CBCS CIVIL I to IV Year 160416 & 160417

SCHEME OF INSTRUCTION & EXAMINATION

B.E. I - SEMESTER

(Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering, and Electronics & Instrumentation Engineering)

S. No	Course Code	Course Title	Scheme of Instructions (Contact Hrs/Wk)			Scheme of Examination			Credits
			L	T	Pr/Drg	CIE	SEE	Duration in Hrs	
Theory Courses									
1.	BS 101 MT	Engineering Mathematics I	3	1	0	30	70	3	3
2.	BS 102 PH	Engineering Physics I	3	0	0	30	70	3	3
3.	BS 103 CH	Engineering Chemistry I	3	0	0	30	70	3	3
4.	ES 104 CE	Engineering Mechanics I	3	1	0	30	70	3	3
5.	ES 105 CS	Computer Programming and Problem Solving	3	0	0	30	70	3	3
6.	MC 106 EG	Engineering English	3	0	0	30	70	3	3
Practical / Laboratory Courses									
7.	BS 151 PH	Engineering Physics Lab I	0	0	2	25	50	3	1
8.	BS 152 CH	Engineering Chemistry Lab I	0	0	2	25	50	3	1
9.	ES 153 CE	Engineering Graphics I	0	0	2 x 2	50	50	3	2
10.	ES 154 CS	Computer Programming Lab	0	0	2	25	50	3	1
11.	ES 155 ME	Engineering Workshop I	0	0	2	25	50	3	1
12.	MC 156 EG	Engineering English Lab	0	0	2	25	50	3	1
		Total	**18**	**2**	**14**	**355**	**720**		**25**

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences PE: Professional Elective
OE: Open Elective CIE: Continuous Internal Evaluation SEE: Semester End Examination(Univ.Exam)

L: Lectures T: Tutorials

Note: 1) Each contact hour is a Clock Hour

2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. II - SEMESTER
(CIVIL ENGINEERING)

S. No	Course Code	Course Title	Scheme of Instructions (Contact Hrs/Wk)			Scheme of Examination			Credits
			L	T	Pr/Drg	CIE	SEE	Duration in Hrs	
Theory Courses									
1.	BS 201 MT	Engineering Mathematics II	3	1	0	30	70	3	3
2.	BS 202 PH	Engineering Physics II	3	0	0	30	70	3	3
3.	BS 203 CH	Engineering Chemistry II	3	0	0	30	70	3	3
4.	HS 204 EG	Business Communication and Presentation Skills	3	0	0	30	70	3	3
5.	ES 205 CE	Engineering Mechanics-II	3	1	0	30	70	3	3
Practical / Laboratory Courses									
6.	BS 251 PH	Engineering Physics Lab II	0	0	2	25	50	3	1
7.	BS 252 CH	Engineering Chemistry Lab II	0	0	2	25	50	3	1
8.	ES 930 CS	Computer Skills Lab	0	0	2	25	50	3	1
9.	HS 253 EG	Communication Skills Lab	0	0	2	25	50	3	1
10.	ES 254 CE	Engineering Graphics-II	0	0	2x2	50	50	3	2
11.	PC 255 CE	Building Drwaing	0	0	2x2	50	50	3	2
		Total	15	2	16	350	650		23

BS: Basic Sciences
PC: Professional Course
OE: Open Elective
ES: Engineering Sciences
HS: Humanities and Sciences
CIE: Continuous Internal Evaluation
MC: Mandatory Course
PE: Professional Elective
SEE: Semester End Examination (Univ.Exam)

L: Lectures T: Tutorials

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

II Year CIVIL 1604-16; 1604-17 all Branches

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

and

Syllabi

B.E. III-Semester & IV-Semester

of

Four Year Degree Programme

In

Civil Engineering

(With effect from the academic year 2017 – 2018)
(As approved in the faculty meeting held on 26 July 2017)

Issued by
Dean, Faculty of Engineering
Osmania University, Hyderabad
July 2017

SCHEME OF INSTRUCTION & EXAMINATION
B.E. III – Semester
(CIVIL ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/ Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	BS 301 MT	Engineering Mathematics-III	3	1	-	4	30	70	3	3
2	ES321EE/ME	Electrical and Mechanical Technology	3	-	-	3	30	70	3	3
3	PC301CE	Engineering Geology	3	-	-	3	30	70	3	3
4	PC302CE	Strength of Materials - I	3	1	-	4	30	70	3	3
5	PC303CE	Fluid Mechanics-I	3	1	-	4	30	70	3	3
6	PC304CE	Building Materials and Construction	3	-	-	3	30	70	3	3
7	PC305CE	Surveying-I	3	-	-	3	30	70	3	3
Practical / Laboratory Courses										
8	PC 351 CE	Engineering Geology Lab	-	-	2	2	25	50	3	1
9	PC 352 CE	Surveying-I Lab	-	-	2	2	25	50	3	1
		Total	**21**	**03**	**4**	**28**	**260**	**590**		**23**

Engineering Service Courses offered to other Departments

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/ Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1.	ES321CE	Mechanics of Materials (for ME,PE &AE)	3	1	-	4	30	70	3	3
2.	MC916CE	Environmental Sciences (for CSE,EEE,EIE,ME& PE)	3	-	-	3	30	70	3	3
Practical /Laboratory Courses										
3.	ES361CE	Mechanics of Materials Lab (for ME & PE)	-	-	2	2	25	50	3	1

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences
L: Lectures T: Tutorials Pr : Practicals Drg: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.
3) Students admitted into B.E./B.Tech. courses under lateral entry scheme (through ECET) from the academic year 2017-18 should undergo the following bridge course subjects at III Semester (CBCS).
(1) ES 154 CS Computer Programming Lab (2) MC 156 EG Engineering English Lab

SCHEME OF INSTRUCTION & EXAMINATION
B.E. IV – Semester
(CIVIL ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/ Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	BS423MT	Numerical Methods	3	1	-	4	30	70	3	3
2	PC401CE	Strength of Materials-II	3	1	-	4	30	70	3	3
3	PC402CE	Fluid Mechanics-II	3	1	-	4	30	70	3	3
4	PC403CE	Surveying-II	3	1	-	4	30	70	3	3
5	PC404CE	Hydrology and Water Management	3	-	-	3	30	70	3	3
6	MC916CE	Environmental Sciences	3	-	-	3	30	70	3	3
7	HS401BM	Managerial Economics and Accountancy	3	-	-	3	30	70	3	3
Practical / Laboratory Courses										
8	PC451CE	Material Testing Lab	-	-	2	2	25	50	3	1
9	PC452CE	Fluid Mechanics-I lab	-	-	2	2	25	50	3	1
10	PC453CE	Surveying-II Lab	-	-	2	2	25	50	3	1
		Total	**21**	**4**	**06**	**31**	**285**	**640**		**24**

Engineering Service Courses Offered to other Departments

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/ Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1.	MC916CE	Environmental Sciences (for ECE & AE)	3	-	-	3	30	70	3	3

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences
L: Lectures T: Tutorials Pr : Practicals Drg: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

III Year CIVIL 1604-16 ; 1604-17

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

and

Syllabi

B.E. V and VI Semester

of

Four Year Degree Programme

in

CIVIL ENGINEERING

(With effect from the Academic Year 2018 - 2019)
(As approved in the Faculty Meeting held on 26 June 2018)

Issued by
Dean, Faculty of Engineering
Osmania University, Hyderabad – 500 007
2018

SCHEME OF INSTRUCTION & EXAMINATION
B.E. V - Semester
(CIVIL ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	**PC 501 CE**	Reinforced Cement Concrete	3	1	-	4	30	70	3	3
2	**PC 502 CE**	Theory of Structures – I	3	1	-	4	30	70	3	3
3	**PC 503 CE**	Concrete Technology	3	-	-	3	30	70	3	3
4	**PC 504 CE**	Hydraulic Machines	3	-	-	3	30	70	3	3
5	**PC 505 CE**	Transportation Engg. – I	3	-	-	3	30	70	3	3
6	**PC 506 CE**	Environmental Engineering	3	-	-	3	30	70	3	3
7	**PC 507 CE**	Water Resource Engg. – I	3	-	-	3	30	70	3	3
8	**PE-I**	Professional Elective – I	3	-	-	3	30	70	3	3
Practical/Laboratory Courses										
9	**PC 551 CE**	Fluid Mechanics Lab – II	-	-	2	2	25	50	3	1
10	**PC 552 CE**	Transportation Engineering Lab	-	-	2	2	25	50	3	1
11	**PC 553 CE**	Environmental Engineering Lab	-	-	2	2	25	50	3	1
			24	**02**	**06**	**32**	**315**	**710**		**27**

Professional Elective – I		
S. No.	Course Code	Course Title
1	**PE 501 CE**	Advanced Concrete Technology
2	**PE 502 CE**	Hydropower Engineering
3	**PE 503 CE**	Infrastructure Engineering
4	**PE 504 CE**	Soft Computing Skills in CE

PC: Professional Course **PE**: Professional Elective
L: Lecture **T**: Tutorial **P**: Practical **D**: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note:

1. Each contact hour is a Clock Hour
2. The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VI - Semester
(CIVIL ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	**PC 601 CE**	Steel Structures	3	1	-	4	30	70	3	3
2	**PC 602 CE**	Structural Engineering Design & Detailing – I (Concrete)	3	1	-	4	30	70	3	3
3	**PC 603 CE**	Theory of Structures – II	3	1	-	4	30	70	3	3
4	**PC 604 CE**	Water Resource Engineering II	3	-	-	3	30	70	3	3
5	**PC 605 CE**	Soil Mechanics	3	-	-	3	30	70	3	3
6	**PC 606 CE**	Transportation Engineering – II	3	-	-	3	30	70	3	3
7	**PE-II**	Professional Elective – II	3	-	-	3	30	70	3	3
8	**OE-I**	Open Elective – I	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
9	**PC 651 CE**	Soil Mechanics Lab	-	-	2	2	25	50	3	1
10	**PC 652 CE**	Concrete Technology Lab	-	-	2	2	25	50	3	1
11	**PW 661 CE**	Survey Camp	-	-	-	-	-	50	3	2
Total			**24**	**03**	**04**	**31**	**290**	**710**	**-**	**28**

PC: Professional Course **PE**: Professional Elective **OE**: Open Elective **PW**: Project Work
L: Lecture **T**: Tutorial **P**: Practical **D**: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note -1:

1. Each contact hour is a Clock Hour
2. The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

Note-2:

* The students have to undergo a Summer Internship of four weeks duration after VI semester and credits will be awarded in VII semester after evaluation.

** Subject is not offered to the students of Civil Engineering Department

Open Elective-I:

S.No	Course Code	Course Title
1	OE601CE	Disaster Management**
2	OE602CE	Geo Spatial Techniques**
3	OE601CS	Operating Systems
4	OE602CS	OOP using Java
5	OE601IT	Database Systems
6	OE601EC	Principles of Embedded Systems
7	OE602EC	Digital System Design using HDL Verilog
8	OE601EE	Reliability Engineering
9	OE602EE	Basics of Power Electronics
10	OE601ME	Industrial Robotics
11	OE602ME	Material Handling
12	OE632AE	Automotive Safety & Ergonomics

Professional Elective – II

S.No.	Course Code	Course Title
1	PE 601 CE	Earthquake Resistant Design of Buildings
2	PE 602 CE	Wastewater Treatment
3	PE 603 CE	Ground Improvement Techniques
4	PE 604 CE	Watershed Management

IV Year CIVIL 1604-16; 1604-17

CBCS

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

(CBCS Curriculum for the Academic Year 2019-2020)

and

Syllabi

B.E. VII and VIII Semester

of

Four Year Degree Programme

In

Civil Engineering

(With effect from the academic year 2019– 2020)

(As approved in the faculty meeting held on 25-06-2019)

Issued by

Dean, Faculty of Engineering

Osmania University, Hyderabad – 500 007

2019

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VII - Semester
(CIVIL ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	**PC 701 CE**	Str. Engg. Design and Drawing – II (Steel)	3	1	-	4	30	70	3	3
2	**PC 702 CE**	Estimation Costing & Specifications	3	1	-	4	30	70	3	3
3	**PC 703 CE**	Finite Element Techniques	3	-	-	3	30	70	3	3
4	**PC 704 CE**	Prestressed Concrete	3	-	-	3	30	70	3	3
5	**PC 705 CE**	Foundation Engineering	3	-	-	3	30	70	3	3
6		Open Elective – II	3	-	-	3	30	70	3	3
7		Open Elective – III	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
8	**PC 751 CE**	Computer Application Lab	-	-	2	2	25	50	3	1
9	**PW 761 CE**	Project Work – I	-	-	4	4	50	-	-	2
10	**SI 762 CE**	Summer Internship	-	-	-	-	50	-	-	2
			21	**02**	**06**	**29**	**335**	**540**		**26**

Open Elective – II			**Open Elective – III**		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	**OE 771 CE****	Green Building Technologies	1	**OE 781 CE****	Road Safety Engineering
2	**OE 772 CS**	Data Science Using R Programming	2	**OE 782 IT**	Software Engineering
3	**OE 773 EC**	Fundamentals of IoT	3	**OE 783 EC**	Principles of Electronic Communications
4	**OE 774 EE**	Non-Conventional Energy Sources	4	**OE 784 EE**	Illumination and Electric Traction systems
5	**OE 775 ME**	Entrepreneurship	5	**OE 785 ME**	Mechatronics

PC: Professional Course PE: Professional Elective
L: Lectures T: Tutorials P: Practical D: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

Note-2: * The students have to undergo a Summer Internship of four weeks' duration after VI semester and credits will be awarded in VII semester after evaluation.
** Subject is not offered to the students of Civil Engineering Department.

SCHEME OF INSTRUCTION& EXAMINATION
B.E. VIII - SEMESTER
(CIVIL ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	**PC 801 CE**	Construction Management & Technology	3	-	-	3	30	70	3	3
2		Professional Elective – III	3	-	-	3	30	70	3	3
3		Professional Elective – IV	3	-	-	3	30	70	3	3
4		Professional Elective – V	3	-	-	3	30	70	3	3
5	**MC 901 EG**	Gender Sensitization	3	-	-	3	30	70	3	-
Practical/ Laboratory Courses										
6	**PW 961 CE**	Project Work – II	-	-	16	16	50	100	-	8
7		Mandatory Course	-	-	3	3	50	-	3	-
			15	**-**	**19**	**34**	**250**	**450**		**20**

Professional Elective – III		
S. No.	Course Code	Course Title
1	**PE 821 CE**	Retrofitting and Rehabilitation of Structures
2	**PE 822 CE**	Computer Aided Analysis and Design
3	**PE 823 CE**	Applied Hydrology
4	**PE 824 CE**	Introduction to Climate Change

Professional Elective – IV		
S. No.	Course Code	Course Title
1	**PE 831 CE**	Structural Dynamics
2	**PE 832 CE**	Design with Geosynthetics
3	**PE 833 CE**	Groundwater Management
4	**PE 834 CE**	Intelligent Transportation Systems

Professional Elective – V		
1	**PE 841 CE**	Prefabrication Engineering
2	**PE 842 CE**	Principles of Green Building Practices
3	**PE 843 CE**	Advanced Reinforced Concrete Design
4	**PE 844 CE**	Traffic Engineering & Infrastructure Design

Mandatory Course		
1	**MC 951 SP**	Yoga Practice
2	**MC 952 SP**	NSS
3	**MC 953 SP**	Sports

PC: Professional Course PE: Professional Elective
L: Lectures T: Tutorials P: Practical D: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

CBCS CSE I to IV Year 1604-16,17

SCHEME OF INSTRUCTION & EXAMINATION

B.E. I - SEMESTER

(Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering, and Electronics & Instrumentation Engineering)

S. No	Course Code	Course Title	Scheme of Instructions (Contact Hrs/Wk)			Scheme of Examination			Credits
			L	T	Pr/Drg	CIE	SEE	Duration in Hrs	
Theory Courses									
1.	BS 101 MT	Engineering Mathematics I	3	1	0	30	70	3	3
2.	BS 102 PH	Engineering Physics I	3	0	0	30	70	3	3
3.	BS 103 CH	Engineering Chemistry I	3	0	0	30	70	3	3
4.	ES 104 CE	Engineering Mechanics I	3	1	0	30	70	3	3
5.	ES 105 CS	Computer Programming and Problem Solving	3	0	0	30	70	3	3
6.	MC 106 EG	Engineering English	3	0	0	30	70	3	3
Practical / Laboratory Courses									
7.	BS 151 PH	Engineering Physics Lab I	0	0	2	25	50	3	1
8.	BS 152 CH	Engineering Chemistry Lab I	0	0	2	25	50	3	1
9.	ES 153 CE	Engineering Graphics I	0	0	2 x 2	50	50	3	2
10.	ES 154 CS	Computer Programming Lab	0	0	2	25	50	3	1
11.	ES 155 ME	Engineering Workshop I	0	0	2	25	50	3	1
12.	MC 156 EG	Engineering English Lab	0	0	2	25	50	3	1
		Total	**18**	**2**	**14**	**355**	**720**		**25**

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences PE: Professional Elective
OE: Open Elective CIE: Continuous Internal Evaluation SEE: Semester End Examination(Univ.Exam)

L: Lectures T: Tutorials

Note: 1) Each contact hour is a Clock Hour

2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. II - SEMESTER
(COMPUTER SCIENCE & ENGINEERING)

S. No	Course Code	Course Title	Scheme of Instructions (Contact Hrs/Wk)			Scheme of Examination			Credits
			L	T	Pr/Drg	CIE	SEE	Duration in Hrs	
Theory Courses									
1.	BS 201 MT	Engineering Mathematics II	3	1	0	30	70	3	3
2.	BS 202 PH	Engineering Physics II	3	0	0	30	70	3	3
3.	BS 203 CH	Engineering Chemistry II	3	0	0	30	70	3	3
4.	HS 204 EG	Business Communication and Presentation Skills	3	0	0	30	70	3	3
5.	PC 205 CS	Object Oriented Programming using C++	3	1	0	30	70	3	3
6.	ES 950 EE	Basic Electrical Engg.	3	0	0	30	70	3	3
Practical / Laboratory Courses									
7.	BS 251 PH	Engineering Physics Lab II	0	0	2	25	50	3	1
8.	BS 252 CH	Engineering Chemistry Lab II	0	0	2	25	50	3	1
9.	ES 930 CS	Computer Skills Lab	0	0	2	25	50	3	1
10.	HS 253 EG	Communication Skills Lab	0	0	2	25	50	3	1
11.	PC 254 CS	C++ Programming Lab	0	0	2	25	50	3	1
		Total	18	2	10	305	670		23

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences PE: Professional Elective
OE: Open Elective CIE: Continuous Internal Evaluation SEE: Semester End Examination (Univ.Exam)

L: Lectures T: Tutorials

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

II Year CSE 1604-16; 1604-17

CBCS

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

and

Syllabi

B.E. III-Semester & IV-Semester

of

Four Year Degree Programme

In

COMPUTER SCIENCE AND ENGINEERING

(With effect from the academic year 2017 – 2018)
(As approved in faculty meeting held on 26 July 2017)

Issued by
Dean, Faculty of Engineering

Osmania University, Hyderabad

SCHEME OF INSTRUCTION & EXAMINATION
B.E. III - SEMESTER
(COMPUTER SCIENCE AND ENGINEERING)

S. No	Course Code	Course Title	Scheme of Instruction				Scheme of examination			Credits
			L	T	Pr/Drg	Contact Hrs / wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	BS 301 MT	Engineering Mathematics-III	3	1	-	4	30	70	3	3
2	ES 934 EC	Basic Electronics	3	-	-	3	30	70	3	3
3	PC 301 CS	Data Structures	3	1	-	4	30	70	3	3
4	PC 302 CS	Discrete Mathematics	3	1	-	4	30	70	3	3
5	PC 303 CS	Logic and Switching Theory	3	1	-	4	30	70	3	3
6	MC 916 CE	Environmental Sciences	3	-	-	3	30	70	3	3
Practical / Laboratory Courses										
7	ES 361 EE	Electrical Engineering Lab	-	-	2	2	25	50	3	1
8	ES 955 EC	Basic Electronics Lab	-	-	2	2	25	50	3	1
9	PC 351 CS	Data Structures Lab	-	-	2 x 2	4	25	50	3	2
Total			**18**	**4**	**8**	**30**	**255**	**570**		**22**

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences
L: Lectures T: Tutorials Pr : Practicals Drg: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ.Exam)

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.
3) Students admitted into B.E./B.Tech. courses under lateral entry scheme (through ECET) from the academic year 2017-18 should undergo the following bridge course subjects at III Semester (CBCS).
(1) ES 154 CS Computer Programming Lab
(2) MC 156 EG Engineering English Lab

SCHEME OF INSTRUCTION & EXAMINATION
B.E. IV - SEMESTER
(COMPUTER SCIENCE AND ENGINEERING)

S. No	Course Code	Course Title	Scheme of Instruction				Scheme of examination			Credits
			L	T	Pr/Drg	Contact Hrs / wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	BS 421 MT	Mathematics And Statistics	3	1	-	4	30	70	3	3
2	ES 422 EC	Signals And System Analysis	3	-	-	3	30	70	3	3
3	PC 401CS	Computer Organization	3	1	-	4	30	70	3	3
4	PC 402 CS	Object Oriented Programming Using Java	3	1	-	4	30	70	3	3
5	PC 403 CS	Programming Languages	3	1	-	4	30	70	3	3
6	PC 404 CS	Microprocessors And Interfacing	3	1	-	4	30	70	3	3
Practical / Laboratory Courses										
7	PC 451 CS	Java Programming Lab	-	-	2	2	25	50	3	1
8	PC 452 CS	Microprocessors	-	-	2	2	25	50	3	1
9	PC 454 CS	Mini Project	-	-	2x2	4	25	50	3	2
10	MC 453 HS	Society Outreach Program	-	-	2	2	50	--	3	2 units
Total			**18**	**5**	**10**	**33**	**305**	**570**		**22**

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences
L: Lectures T: Tutorials Pr : Practicals Drg: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

III Year CSE 1604-16; 1604-17

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

and

Syllabi

B.E. V and VI Semesters

of

Four Year Degree Programme

in

COMPUTER SCIENCE AND ENGINEERING

(With effect from the Academic Year 2018 – 2019)
(As approved in the Faculty Meeting held on 26th June 2018)

Issued by
Dean, Faculty of Engineering
Osmania University, Hyderabad - 500 007
2018

SCHEME OF INSTRUCTION & EXAMINATION
B.E. V - Semester
(COMPUTER SCIENCE & ENGINEERING)

S.No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Course										
1.	PC501CS	Database Management Systems	3	-	-	3	30	70	3	3
2.	PC502CS	Data Communications	3	-	-	3	30	70	3	3
3.	PC503CS	Automata, Languages & Computation	3	1	-	4	30	70	3	3
4.	PC504CS	Operating Systems	3	-	-	3	30	70	3	3
5.	PC505CS	Computer Graphics	3	1	-	4	30	70	3	3
6.	HS901 MB	Managerial Economics and Accountancy	3	-	-	3	30	70	3	3
7.	PE –I	Professional Elective-I	3	-	-	3	30	70	3	3
8	MC901EG	Gender Sensitization	3	-	-	3	30	70	3	0
Practical/ Laboratory Course										
9.	PC551CS	Database Management Systems Lab	-	-	2	2	25	50	3	1
10.	PC552CS	Operating Systems Lab	-	-	2	2	25	50	3	1
11.	PC553CS	Computer Graphics Lab	-	-	2	2	25	50	3	1
		Total	**24**	**02**	**06**	**32**	**315**	**710**	-	**24**

Professional Elective – I		
S. No.	**Course Code**	**Course Title**
1	PE501 CS	Advanced Computer Architecture
2	PE502 CS	Artificial Intelligence
3	PE503 CS	Simulation and Modeling

PC: Professional Course **PE**: Professional Elective
HS: Humanities and social science **MC**: Mandatory Course
L: Lecture **T**: Tutorial **P**: Practical **D**: Drawing
CIE: Continuous Internal Evaluation, **SEE**: Semester End Examination (Univ. Exam)

Note:
1. Each contact hour is a Clock Hour
2. The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VI - Semester
(COMPUTER SCIENCE & ENGINEERING)

S. No	Course code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Course										
1	PC601CS	Design and Analysis of Algorithms	3	1	-	4	30	70	3	3
2	PC602CS	Software Engineering	3	1	-	4	30	70	3	3
3	PC603CS	Web Programming	3	1	-	4	30	70	3	3
4	PC604CS	Computer Networks & Programming	3	1	-	4	30	70	3	3
5	PE-II	Professional Elective-II	3	1	-	4	30	70	3	3
6	OE	Open Elective-I	3	-	-	3	30	70	3	3
Practical/ Laboratory Course										
7.	PC651CS	Software Engineering Lab	-	-	2	2	25	50	3	1
8.	PC652CS	Web Programming Lab	-	-	2	2	25	50	3	1
9.	PC653CS	Computer Networks &Programming Lab	-	-	2	2	25	50	3	1
10.	MC	Mandatory Course	-	-	3	3	50	-	3	0
11.	SI671CS	Summer Internship*	-	-	-	-	-	-	-	-
Total			**18**	**05**	**09**	**32**	**305**	**570**		**21**

PC: Professional Course **PE**: Professional Elective **MC**: Mandatory Course
OE: Open Elective **SI**: Summer Internship
L: Lecture **T**: Tutorial **P**: Practical **D**: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note-1:

1. Each contact hour is a Clock Hour
2. The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

Note-2:

*The students have to undergo a Summer Internship of four weeks duration after VI semester and credits will be awarded in VII semester after evaluation.

** Subject is not offered to the students of CSE and IT Department.

Open Elective-I:		
S.No	**Course Code**	**Course Title**
1	OE601CE	Disaster Management
2	OE602CE	Geo Spatial Techniques
3	OE601CS	Operating Systems**
4	OE602CS	OOP using Java**
5	OE601IT	Database Systems**
6	OE601EC	Principles of Embedded Systems
7	OE602EC	Digital System Design using HDL Verilog
8	OE601EE	Reliability Engineering
9	OE602EE	Basics of Power Electronics
10	OE601ME	Industrial Robotics
11	OE602ME	Material Handling
12	OE632AE	Automotive Safety & Ergonomics

Professional Elective – II		
S.No	**Course Code**	**Course Title**
1	PE 601CS	Graph Theory and Its Applications
2	PE 602CS	Advanced Computer Graphics
3	PE 603CS	Advanced Databases

Mandatory Course		
S.No	**Course Code**	**Course Title**
1	MC951SP	Yoga Practice
2	MC952SP	National Service Scheme
3	MC953SP	Sports

IV Year CSE 1604-16; 1604-17

CBCS

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

(CBCS Curriculum for the Academic Year 2019-2020)

and

Syllabi

B.E. VII and VIII Semester

of

Four Year Degree Programme

In

Computer Science and Engineering

(With effect from the academic year 2019– 2020)

(As approved in the faculty meeting held on 25-06-2019)

Issued by

Dean, Faculty of Engineering

Osmania University, Hyderabad – 500 007

2019

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VII - Semester
(COMPUTER SCIENCE AND ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	**PC 701 CS**	Compiler Construction	3	1	-	4	30	70	3	3
2	**PC 702 CS**	Distributed Systems	3	1	-	4	30	70	3	3
3	**PC 703 CS**	Information Security	3	1	-	4	30	70	3	3
4	**PC 704 CS**	Data Mining	3	1	-	4	30	70	3	3
5		Open Elective – II	3	-	-	3	30	70	3	3
6		Open Elective – III	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
7	**PC 751 CS**	Compiler Construction Lab	-	-	2	2	25	50	-	1
8	**PC 752 CS**	Distributed Systems Lab	-	-	2	2	25	50	-	1
9	**PC 753 CS**	Data Mining Lab	-	-	2	2	25	50	-	1
10	**PW 761 CS**	Project Work – I	-	-	4	4	50	-	-	2
11	**SI 762 CS**	Summer Internship	-	-	-	-	50	-	-	2
			18	**04**	**10**	**32**	**355**	**570**		**25**

Open Elective – II			**Open Elective – III**		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	**OE 771 CE**	Green Building Technologies	1	**OE 781 CE**	Road Safety Engineering
2	**OE 772 CS****	Data Science Using R Programming	2	**OE 782 IT****	Software Engineering
3	**OE 773 EC**	Fundamentals of IoT	3	**OE 783 EC**	Principles of Electronic Communications
4	**OE 774 EE**	Non-Conventional Energy Sources	4	**OE 784 EE**	Illumination and Electric Traction systems
5	**OE 775 ME**	Entrepreneurship	5	**OE 785 ME**	Mechatronics

PC: Professional Course PE: Professional Elective
L: Lectures T: Tutorials P: Practical D: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

Note-2: * The students have to undergo a Summer Internship of four weeks' duration after VI semester and credits will be awarded in VII semester after evaluation.
** Subject is not offered to the students of CSE and IT Departments.

SCHEME OF INSTRUCTION& EXAMINATION
B.E. VIII - SEMESTER
(COMPUTER SCIENCE AND ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1		Professional Elective – III	3	-	-	3	30	70	3	3
2		Professional Elective – IV	3	-	-	3	30	70	3	3
3		Professional Elective – V	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
4	**PW 961 CS**	Project Work – II	-	-	16	16	50	100	-	8
			09	**-**	**16**	**25**	**140**	**310**		**17**

Professional Elective – III		
S. No.	Course Code	Course Title
1	**PE 821 CS**	Mobile Computing
2	**PE 822 CS**	Image Processing
3	**PE 823 CS**	Software Quality and Testing
4	**PE 824 CS**	Web Services and Architecture
5	**PE 825 CS**	Computational Intelligence

Professional Elective – IV		
S. No.	Course Code	Course Title
1	**PE 831 CS**	Embedded Systems
2	**PE 832 CS**	Information Retrieval Systems
3	**PE 833 CS**	Machine Learning
4	**PE 834 CS**	Natural Language Processing
5	**PE 835 CS**	Data Science using R Programming

Professional Elective – V		
1	**PE 841 CS**	Multicore and GPU Programming
2	**PE 842 CS**	Cloud Computing
3	**PE 843 CS**	Human Computer Interaction

PC: Professional Course PE: Professional Elective
L: Lectures T: Tutorials P: Practical D: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

CBCS ECE I to IV Year 1604-16; 17

SCHEME OF INSTRUCTION & EXAMINATION

B.E. I - SEMESTER

(Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering, and Electronics & Instrumentation Engineering)

S. No	Course Code	Course Title	Scheme of Instructions (Contact Hrs/Wk)			Scheme of Examination			Credits
			L	T	Pr/Drg	CIE	SEE	Duration in Hrs	
Theory Courses									
1.	BS 101 MT	Engineering Mathematics I	3	1	0	30	70	3	3
2.	BS 102 PH	Engineering Physics I	3	0	0	30	70	3	3
3.	BS 103 CH	Engineering Chemistry I	3	0	0	30	70	3	3
4.	ES 104 CE	Engineering Mechanics I	3	1	0	30	70	3	3
5.	ES 105 CS	Computer Programming and Problem Solving	3	0	0	30	70	3	3
6.	MC 106 EG	Engineering English	3	0	0	30	70	3	3
Practical / Laboratory Courses									
7.	BS 151 PH	Engineering Physics Lab I	0	0	2	25	50	3	1
8.	BS 152 CH	Engineering Chemistry Lab I	0	0	2	25	50	3	1
9.	ES 153 CE	Engineering Graphics I	0	0	2 x 2	50	50	3	2
10.	ES 154 CS	Computer Programming Lab	0	0	2	25	50	3	1
11.	ES 155 ME	Engineering Workshop I	0	0	2	25	50	3	1
12.	MC 156 EG	Engineering English Lab	0	0	2	25	50	3	1
		Total	18	2	14	355	720		25

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences PE: Professional Elective
OE: Open Elective CIE: Continuous Internal Evaluation SEE: Semester End Examination(Univ.Exam)

L: Lectures T: Tutorials

Note: 1) Each contact hour is a Clock Hour

2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

CBCS.

1604-16; 1604-17 ECE 2016-17

First Year
II Sem

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

and

Syllabi

B.E. II Semester

of

Four Year Degree Programme

in

Electronics & Communication Engineering

(With effect from the academic year 2016-17)

(As approved in Faculty Meeting held on 18 June 2016)

Issued by

Dean, Faculty of Engineering

Osmania University, Hyderabad

July 2016

SCHEME OF INSTRUCTION & EXAMINATION
B.E. II - SEMESTER
(ELECTRONICS & COMMUNICATION ENGINEERING)

S. No	Course Code	Course Title	Scheme of Instructions (Contact Hrs/Wk)			Scheme of Examination			Credits
			L	T	Pr/Drg	CIE	SEE	Duration in Hrs	
Theory Courses									
1.	BS 201 MT	Engineering Mathematics II	3	1	0	30	70	3	3
2.	BS 202 PH	Engineering Physics II	3	0	0	30	70	3	3
3.	BS 203 CH	Engineering Chemistry II	3	0	0	30	70	3	3
4.	HS 204 EG	Business Communication and Presentation Skills	3	0	0	30	70	3	3
5.	PC 205 EC	Basic Circuit Analysis	3	1	0	30	70	3	3
6.	ES 949 EE	Electrical Technology	3	0	0	30	70	3	3
Practical / Laboratory Courses									
7.	BS 251 PH	Engineering Physics Lab II	0	0	2	25	50	3	1
8.	BS 252 CH	Engineering Chemistry Lab II	0	0	2	25	50	3	1
9.	ES 930 CS	Computer Skills Lab	0	0	2	25	50	3	1
10.	HS 254 EG	Communication Skills Lab	0	0	2	25	50	3	1
11.	PC 945 EC	Electronic Workshop Lab	0	0	2	25	50	3	1
		Total	18	2	10	305	670		23

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences PE: Professional Elective
OE: Open Elective CIE: Continuous Internal Evaluation SEE: Semester End Examination (Univ.Exam)

L: Lectures T: Tutorials

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

II Year ECE 1604-16; 1604-17

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

and

Syllabi

B.E. III-Semester & IV-Semester

of

Four Year Degree Programme

In

Electronics & Communication Engineering

(With effect from the academic year 2017 – 2018)

(As approved in faculty meeting held on 26 July 2017)

Issued by

Dean, Faculty of Engineering

Osmania University, Hyderabad

July 2017

SCHEME OF INSTRUCTION & EXAMINATION
B.E. III – Semester
(ELECTRONICS AND COMMUNICATION ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/ Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1.	BS 301MT	Engineering Mathematics - III	3	1	-	4	30	70	3	3
2.	ES 965ME	Elements of Mechanical Engineering	3	-	-	3	30	70	3	3
3.	PC 302 EC	Electronic Devices	3	1	-	4	30	70	3	3
4.	PC 303 EC	Switching Theory and Logic Design	3	1	-	4	30	70	3	3
5.	PC 304 EC	Signal Analysis and Transform Techniques	3	1	-	4	30	70	3	3
6.	PC 305 EC	Network Analysis and Synthesis	3	1	-	4	30	70	3	3
Practical / Laboratory Courses										
7.	ES 361 EE	Electrical Engg. Lab	-	-	2	2	25	50	3	1
8.	PC 351 EC	Electronic Devices and Logic Design Lab	-	-	2	2	25	50	3	1
			18	**5**	**4**	**27**	**230**	**520**		**20**

Engineering Service Courses offered to other Departments

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/ Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1.	ES 322EC	Electronic Engineering –II (For EEE & EIE)	3	-	-	3	30	70	3	3
2.	ES 934EC	Basic Electronics (For CSE)	3	-	-	3	30	70	3	3
Practical /Laboratory Courses										
3.	ES 362EC	Electronic Engineering Lab (For EEE & EIE)	-	-	2	2	25	50	3	1
4.	ES 955EC	Basic Electronics Lab (For CSE)	-	-	2	2	25	50	3	1

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences
L: Lectures T: Tutorials Pr : Practicals Drg: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.
3) Students admitted into B.E./B.Tech. courses under lateral entry scheme (through ECET) from the academic year 2017-18 should undergo the following bridge course subjects at III Semester (CBCS).
(1) ES 154 CS Computer Programming Lab
(2) MC 156 EG Engineering English Lab

SCHEME OF INSTRUCTION & EXAMINATION
B.E. IV – Semester
(ELECTRONICS AND COMMUNICATION ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/ Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1.	BS 405 MT	Applied Mathematics	3	1	-	4	30	70	3	3
2.	PC 401 EC	Analog Electronic Circuits	3	1	-	4	30	70	3	3
3.	PC 402 EC	Pulse, Digital and Integrated Circuits	3	1	-	4	30	70	3	3
4.	PC 403 EC	Probability Theory and Stochastic Process	3	1	-	4	30	70	3	3
5.	PC 404 EC	Electromagnetic Theory and Transmission Lines	3	1	-	4	30	70	3	3
6.	MC 916CE	Environmental Sciences	3	-	-	3	30	70	3	3
Practical / Laboratory Courses										
7.	PC 451 EC	Analog Electronic Circuits Lab	-	-	2	2	25	50	3	1
8.	PC 452 EC	Pulse, Digital and Integrated Circuits Lab	-	-	2	2	25	50	3	1
			18	**05**	**04**	**27**	**230**	**520**		**20**

Engineering Service Courses Offered to other Departments

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/ Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1.	ES934EC	Basic Electronics (For ME & PE)	3	-	-	3	30	70	3	3
2.	ES422EC	Signals & System Analysis (For CSE)	3	-	-	3	30	70	3	3
Practical / Laboratory Courses										
3.	ES955EC	Basic Electronics Lab (For ME & PE)	-	-	2	2	25	50	3	1

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences
L: Lectures T: Tutorials Pr : Practicals Drg: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

III Year ECE 1604-16; 1604-17

CBCS.

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

and

Syllabi

B.E. V and VI Semesters

of

Four Year Degree Programme

in

ELECTRONICS & COMMUNICATION ENGINEERING

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Issued by

Dean, Faculty of Engineering

Osmania University, Hyderabad – 500 007

2018

SCHEME OF INSTRUCTION & EXAMINATION
B.E. V- Semester
(ELECTRONICS AND COMMUNICATION ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Course										
1	**PC501EC**	Linear ICs and Applications	3	1	-	4	30	70	3	3
2	**PC502EC**	Analog Communication	3	-	-	3	30	70	3	3
3	**PC503EC**	Digital Signal Processing	3	1	-	4	30	70	3	3
4	**PC504EC**	Automatic Control Systems	3	1	-	4	30	70	3	3
5	**PC505EC**	Computer Organization & Architecture	3	1	-	4	30	70	3	3
6	**PC506EC**	Digital System Design with Verilog HDL	3	-	-	3	30	70	3	3
7	**MC901EG**	Gender Sensitization	3	-	-	3	30	70	3	0
Practical/Laboratory Course										
8	**PC551EC**	IC Applications lab	-	-	2	2	25	50	3	1
9	**PC552EC**	Systems and Signal Processing Lab	-	-	2	2	25	50	3	1
10	**PC553EC**	Industrial Visit	-	-	-	-	G	-	-	-
Total			**21**	**4**	**4**	**29**	**260**	**590**		**20**

PC: Professional Course **MC**: Mandatory Course
L: Lecture **T**: Tutorial **P**: Practical **D**: Drawing **G**: Grade (E/VG/G/S/U)
CIE: Continuous Internal Evaluation **SEE**: Semester End Examination (Univ. Exam)

Note:

1. Each contact hour is a Clock Hour
2. The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VI - Semester
(ELECTRONICS AND COMMUNICATION ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	**PC601EC**	Digital Communication	3	1	-	4	30	70	3	3
2	**PC602EC**	Antennas and wave propagation	3	1	-	4	30	70	3	3
3	**PC603EC**	Microprocessor and Microcontroller	3	1	-	4	30	70	3	3
4	**HS901MB**	Managerial Economics & Accountancy	3	-	-	3	30	70	3	3
5	**PE – I**	Professional Elective-I	3	-	-	3	30	70	3	3
6	**OE – I**	Open Elective-I	3	-	-	3	30	70	3	3
Practical/Laboratory Courses										
7	**PC651EC**	Communication Lab	-	-	2	2	25	50	3	1
8	**PC652EC**	Microprocessor and Microcontroller Lab	-	-	2	2	25	50	3	1
9	**MC**	Mandatory Course	-	-	3	3	50	-	3	0
10	**SI 671EC**	Summer Internship*	-	-	-	-	50	-	-	-
Total			**18**	**3**	**7**	**28**	**330**	**520**	**-**	**20**

PC: Professional Course **PE**: Professional Elective **OE**: Open Elective
MC: Mandatory Course **SI**: Summer Internship **HS**: Humanities and Social Sciences
L: Lecture **T**: Tutorial **P**: Practical **D**: Drawing
CIE: Continuous Internal Evaluation **SEE**: Semester End Examination (Univ. Exam)

Note-1:

1. Each contact hour is a Clock Hour
2. The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

Note-2:

*The students have to undergo a Summer Internship of four weeks duration after VI semester and credits will be awarded in VII semester after evaluation.

** Subject is not offered to the students of Electronics and Communication Engineering Department.

Open Elective-I:

S.No	Course Code	Course Title
1	OE601CE	Disaster Management
2	OE602CE	GeoSpatial Techniques
3	OE601CS	Operating Systems
4	OE602CS	OOP using Java
5	OE601IT	Database Systems
6	OE601EC	Principles of Embedded Systems**
7	OE602EC	Digital System Design using HDL Verilog **
8	OE601EE	Reliability Engineering
9	OE602EE	Basics of Power Electronics
10	OE601ME	Industrial Robotics
11	OE602ME	Material Handling
12	OE632AE	Automotive Safety & Ergonomics

Professional Elective – I

S.No.	Course Code	Course Title
1	PE671EC	Digital Image Processing
2	PE672EC	Data Communication and computer networking
3	PE673EC	Optical Communication
4	PE674EC	Digital TV Engineering

Mandatory Course

S.No.	Course Code	Course Title
1	MC951SP	Yoga Practice
2	MC952SP	National Service Scheme
3	MC953SP	Sports

IV Year ECE 1604-16; 1604-17
CBCS

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

(CBCS Curriculum for the Academic Year 2019-2020)

and

Syllabi

B.E. VII and VIII Semester

of

Four Year Degree Programme

In

Electronics and Communication Engineering

(With effect from the academic year 2019– 2020)

(As approved in the faculty meeting held on 25-06-2019)

Issued by

Dean, Faculty of Engineering

Osmania University, Hyderabad – 500 007

2019

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VII - Semester
(ELECTRONICS AND COMMUNICATION ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	**PC 701 EC**	Embedded System	3	-	-	3	30	70	3	3
2	**PC 702 EC**	VLSI Design	3	-	-	3	30	70	3	3
3	**PC 703 EC**	Microwave Techniques	3	-	-	3	30	70	3	3
4	**ES 707 ME**	Industrial Administration and Financial Management	3	-	-	3	30	70	3	3
5		Professional Elective – II	3	-	-	3	30	70	3	3
6		Open Elective – II	3	-	-	3	30	70	3	3
7		Open Elective – III	3	-	-	3	30	70	3	3
8	**MC 771 EG**	Human Values and Professional Ethics	2	-	-	2	30	70	3	-
Practical/ Laboratory Courses										
9	**PC 751 EC**	Microwave Lab	-	-	2	2	25	50	3	1
10	**PC 752 EC**	Electronic Design & Automation Lab	-	-	2	2	25	50	3	1
11	**PW 761 EC**	Project Work – I	-	-	4	4	50	-	-	2
12	**SI 762 EC**	Summer Internship	-	-	-	-	50	-	-	2
			23	**-**	**08**	**31**	**390**	**660**		**27**

Professional Elective – II

S. No.	Course Code	Course Title
1	**PE 721 EC**	Mobile and Cellular Communications
2	**PE 722 EC**	Speech Signal Processing
3	**PE 723 EC**	Electronic Measurements and Instrumentation
4	**PE 724 EC**	Digital Signal Processor Architectures

Open Elective – II

S. No.	Course Code	Course Title
1	**OE 771 CE**	Green Building Technologies
2	**OE 772 CS**	Data Science Using R Programming
3	**OE 773 EC****	Fundamentals of IoT
4	**OE 774 EE**	Non-Conventional Energy Sources
5	**OE 775 ME**	Entrepreneurship

Open Elective – III

S. No.	Course Code	Course Title
1	**OE 781 CE**	Road Safety Engineering
2	**OE 782 IT**	Software Engineering
3	**OE 783 EC****	Principles of Electronic Communications
4	**OE 784 EE**	Illumination and Electric Traction systems
5	**OE 785 ME**	Mechatronics

PC: Professional Course
PE: Professional Elective
L: Lectures T: Tutorials
P: Practical D: Drawing

CIE: Continuous Internal Evaluation

SEE: Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

Note-2: * The students have to undergo a Summer Internship of four weeks' duration after VI semester and credits will be awarded in VII semester after evaluation.
** Subject is not offered to the students of ECE Department.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VIII - SEMESTER
(ELECTRONICS AND COMMUNICATION ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1		Professional Elective – III	3	-	-	3	30	70	3	3
2		Professional Elective – IV	3	-	-	3	30	70	3	3
3		Professional Elective – V	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
5	**PW961 EC**	Project Work – II	-	-	16	16	50	100	-	8
			09	-	**16**	**25**	**140**	**310**		**17**

Professional Elective – II		
S. No.	Course Code	Course Title
1	**PE 821 EC**	Field Programmable Gate Arrays
2	**PE 822 EC**	Internet of Things
3	**PE 823 EC**	Neural Networks
4	**PE 824 EC**	Satellite Communications

Professional Elective – III		
S. No.	Course Code	Course Title
1	**PE 831 EC**	Wireless Sensor Networks
2	**PE 832 EC**	Global Navigational Satellite Systems
3	**PE 833 EC**	System Verilog
4	**PE 834 EC**	Multirate Signal Processing

Professional Elective – IV		
1	**PE 841 EC**	Real Time Operating Systems
2	**PE 842 EC**	Fuzzy Logic And Applications
3	**PE 843 EC**	Radar Systems
4	**PE 844 EC**	Digital Fault Tolerant Systems

PC: Professional Course PE: Professional Elective
L: Lectures T: Tutorials P: Practical D: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

CBCS EEE I to IV 1604-16;17

SCHEME OF INSTRUCTION & EXAMINATION

B.E. I - SEMESTER

(Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering, and Electronics & Instrumentation Engineering)

S. No	Course Code	Course Title	Scheme of Instructions (Contact Hrs/Wk)			Scheme of Examination			Credits
			L	T	Pr/Drg	CIE	SEE	Duration in Hrs	
Theory Courses									
1.	BS 101 MT	Engineering Mathematics I	3	1	0	30	70	3	3
2.	BS 102 PH	Engineering Physics I	3	0	0	30	70	3	3
3.	BS 103 CH	Engineering Chemistry I	3	0	0	30	70	3	3
4.	ES 104 CE	Engineering Mechanics I	3	1	0	30	70	3	3
5.	ES 105 CS	Computer Programming and Problem Solving	3	0	0	30	70	3	3
6.	MC 106 EG	Engineering English	3	0	0	30	70	3	3
Practical / Laboratory Courses									
7.	BS 151 PH	Engineering Physics Lab I	0	0	2	25	50	3	1
8.	BS 152 CH	Engineering Chemistry Lab I	0	0	2	25	50	3	1
9.	ES 153 CE	Engineering Graphics I	0	0	2 x 2	50	50	3	2
10.	ES 154 CS	Computer Programming Lab	0	0	2	25	50	3	1
11.	ES 155 ME	Engineering Workshop I	0	0	2	25	50	3	1
12.	MC 156 EG	Engineering English Lab	0	0	2	25	50	3	1
		Total	18	2	14	355	720		25

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences PE: Professional Elective
OE: Open Elective CIE: Continuous Internal Evaluation SEE: Semester End Examination(Univ.Exam)

L: Lectures T: Tutorials

Note: 1) Each contact hour is a Clock Hour

2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. II - SEMESTER
(ELECTRICAL & ELECTRONICS ENGINEERING)

S. No	Course Code	Course Title	Scheme of Instructions (Contact Hrs/Wk)			Scheme of Examination			Credits
			L	T	Pr/Drg	CIE	SEE	Duration in Hrs	
Theory Courses									
1.	BS 201 MT	Engineering Mathematics II	3	1	0	30	70	3	3
2.	BS 202 PH	Engineering Physics II	3	0	0	30	70	3	3
3.	BS 203 CH	Engineering Chemistry II	3	0	0	30	70	3	3
4.	HS 204 EG	Business Communication and Presentation Skills	3	0	0	30	70	3	3
5.	ES 965 ME	Elements of Mechanical Engineering	3	0	0	30	70	3	3
6.	ES 933 EC	Electronic Engineering-I	3	0	0	30	70	3	3
Practical / Laboratory Courses									
7.	BS 251 PH	Engineering Physics Lab II	0	0	2	25	50	3	1
8.	BS 252 CH	Engineering Chemistry Lab II	0	0	2	25	50	3	1
9.	ES 930 CS	Computer Skills Lab	0	0	2	25	50	3	1
10.	HS 253 EG	Communication Skills Lab	0	0	2	25	50	3	1
11.	ES 255 ME	Engineering Workshop-II	0	0	2	25	50	3	1
		Total	18	1	10	305	670		23

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences PE: Professional Elective
OE: Open Elective CIE: Continuous Internal Evaluation SEE: Semester End Examination (Univ.Exam)

L: Lectures T: Tutorials

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

II Year EEE 1604-16; 1604-17

CBCS

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

and

Syllabi

B.E. III-Semester & IV-Semester

of

Four Year Degree Programme

In

Electrical & Electronics Engineering

(With effect from the academic year 2017 – 2018)
(As approved in Faculty Meeting held on 26 June 2017)

Issued by
Dean, Faculty of Engineering
Osmania University, Hyderabad
July 2017

SCHEME OF INSTRUCTION & EXAMINATION
B.E. III – Semester
(ELECTRICAL AND ELECTRONICS ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/ Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1.	BS301MT	Engineering Mathematics – III	3	1	-	4	30	70	3	3
2.	ES322EC	Electronic Engineering-II	3	-	-	3	30	70	3	3
3.	ES323ME	Prime Movers & Pumps	3	-	-	3	30	70	3	3
4.	PC301EE	Electrical Circuits – I	3	1	-	4	30	70	3	3
5.	PC302EE	Electromagnetic Fields	3	1	-	4	30	70	3	3
6.	PC303EE	Digital Electronics & Logic Design	3	-	-	3	30	70	3	3
7.	MC916CE	Environmental Sciences	3	-	-	3	30	70	3	3
Practical / Laboratory Courses										
8.	ES361ME	Mechanical Engineering Lab.	-	-	2	2	25	50	3	1
9.	ES 362 EC	Electronic Engineering Lab	-	-	2	2	25	50	3	1
			21	**3**	**4**	**28**	**260**	**590**		**23**

Engineering Service Courses offered to other Departments

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/ Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1.	ES321EE	Part - A Electrical Technology (For Civil Engg)	2	-	-	2	15	35	2	2
2.	ES323EE	Automotive Electrical and Electronics Engineering (Automobile Engg.)	3	-	-	3	30	70	3	3
Practical /Laboratory Courses										
3.	ES361EE	Electrical Engineering Lab (For ECE and CSE)	-	-	2	2	25	50	3	1
4.	ES362EE	Electrical Wiring and Microprocessor Lab (AE)	-	-	2	2	25	50	3	1

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences
L: Lectures T: Tutorials Pr : Practicals Drg: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.
3) Students admitted into B.E./B.Tech. courses under lateral entry scheme (through ECET) from the academic year 2017-18 should undergo the following bridge course subjects at III Semester (CBCS).
(1) ES 154 CS Computer Programming Lab
(2) MC 156 EG Engineering English Lab

SCHEME OF INSTRUCTION & EXAMINATION
B.E. IV – Semester
(ELECTRICAL AND ELECTRONICS ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/ Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1.	BS401MT	Engineering Mathematics-IV	3	1	-	4	30	70	3	3
2.	PC401EE	Electrical Circuits - II	3	1	-	4	30	70	3	3
3.	PC402EE	Electrical Machines-I	3	1	-	4	30	70	3	3
4.	PC403EE	Power Systems-I	3	-	-	3	30	70	3	3
5.	PC404EE	Power Electronics	3	1	-	4	30	70	3	3
6.	PC405EE	Linear Integrated Circuits	3	-	-	3	30	70	3	3
7.	HS401BM	Managerial Economics & Accountancy	3	-	-	3	30	70	3	3
Practical / Laboratory Courses										
8.	PC451EE	Digital Electronics and Integrated Circuits Lab	-	-	2	2	25	50	3	1
9.	PC452EE	Computer Aided Electrical Drawing Lab.	-	-	2	2	25	50	3	1
			21	**04**	**04**	**29**	**260**	**590**		**23**

Engineering Service Courses Offered to other Departments

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/ Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1.	ES422EE	Electrical Circuits & Machines (For ME & PE)	3	-	-	3	30	70	3	3
Practical / Laboratory Courses										
2.	ES461EE	Electrical Circuits & Machines Lab (For ME & PE)	-	-	2	2	25	50	3	1

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences
L: Lectures T: Tutorials Pr : Practicals Drg: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

III Year EEE 1604-16; 1604-17

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

and

Syllabi

B.E. V and VI Semesters

of

Four Year Degree Programme

in

ELECTRICAL & ELECTRONICS ENGINEERING

(With effect from the Academic Year 2018 – 2019)
(As approved in the Faculty Meeting held on 26th June 2018)

Issued by
Dean, Faculty of Engineering
Osmania University, Hyderabad
July 2018

SCHEME OF INSTRUCTION & EXAMINATION
B.E. V – Semester
(ELECTRICAL AND ELECTRONICS ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Course										
1.	PC501EE	Power Systems-II	3	-	-	3	30	70	3	3
2.	PC502EE	Electrical Machines-II	3	-	-	3	30	70	3	3
3.	PC503EE	Electrical Measurements and Instrumentation	3	1	-	4	30	70	3	3
4.	PC504EE	Linear Control Systems	3	1	-	4	30	70	3	3
5.	PC505EE	Digital Signal Processing and Applications	3	1	-	4	30	70	3	3
6.	PE-1	Professional Elective-I	3	-	-	3	30	70	3	3
7	MC901EG	Gender Sensitization	3	-	-	3	30	70	3	0
Practical / Laboratory Course										
8.	PC551EE	Electrical Machines Lab-1	-	-	2	2	25	50	3	1
9.	PC552EE	Power Electronics Lab	-	-	2	2	25	50	3	1
10.	PC553EE	Circuits & Measurements Lab	-	-	2	2	25	50	3	1
		Total	**21**	**3**	**6**	**30**	**285**	**640**		**21**

Professional Elective-1

PE501EE	Programmable Logic controllers
PE502EE	Electronic Instrumentation
PE503EE	FACTS Devices

PC: Professional Course **PE**: Professional Elective **MC**: Mandatory Course
L: Lecture **T**: Tutorial **P**: Practical **D**: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note:
1. Each contact hour is a Clock Hour
2. The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete his experiment

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VI – Semester
(ELECTRICAL AND ELECTRONICS ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1.	PC601EE	Electrical Machines-III	3	1	-	4	30	70	3	3
2.	PC602EE	Microprocessors and Microcontrollers	3	1	-	4	30	70	3	3
3.	PC603EE	Switchgear and Protection	3	-	-	3	30	70	3	3
4.	PC604EE	Renewable Energy Technologies	3	-	-	3	30	70	3	3
5.	PE-II	Professional Elective-II	3	-	-	3	30	70	3	3
6.	OE-I	Open Elective-I	3	-	-	3	30	70	3	3
Practical / Laboratory Courses										
7.	PC651EE	Electrical Machines lab-II	-	-	2	2	25	50	3	1
8.	PC652EE	Digital signal Processing Lab	-	-	2	2	25	50	3	1
9	PC653EE	Control systems lab	-	-	2	2	25	50	3	1
10	MC	Mandatory Course	-	-	3	3	50	-	3	0
11	SI	Summer Internship*								
Total			**18**	**2**	**9**	**29**	**305**	**570**		**21**

PC: Professional Course **PE**: Professional Elective **MC**: Mandatory Course **OE**: Open Elective **HS**: Humanities and Social Sciences **SI**: Summer Internship
L: Lectures **T**: Tutorial **P**: Practical D: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note -1:

1. Each contact hour is a Clock Hour
2. The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete his experiment

Note-2:

* The students have to undergo a Summer Internship of four weeks duration after VI semester and credits will be awarded in VII semester after evaluation.

** Subject is not offered to the students of Electrical and Electronics Engineering and Electronics & Instrumentation Engineering Departments.

Open Elective-I:		
S.No	**Course Code**	**Course Title**
1	OE601CE	Disaster Management
2	OE602CE	GeoSpatial Techniques
3	OE601CS	Operating Systems
4	OE602CS	OOP using Java
5	OE601IT	Database Systems
6	OE601EC	Principles of Embedded Systems
7	OE602EC	Digital System Design using HDL Verilog
8	OE601EE	Reliability Engineering**
9	OE602EE	Basics of Power Electronics**
10	OE601ME	Industrial Robotics
11	OE602ME	Material Handling
12	OE632AE	Automotive Safety & Ergonomics

Professional Elective – II		
S.No	**Course Code**	**Course Title**
1	PE601EE	AI Techniques
2	PE602EE	Electric Distribution System
3	PE603EE	Digital Control systems

Mandatory Course		
S.No	**Course Code**	**Course Title**
1	MC951SP	Yoga Practice
2	MC952SP	National Service Scheme
3	MC953SP	Sports

IV year EEE 1604-16; 1604-17
CBCS

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

(CBCS Curriculum for the Academic Year 2019-2020)

and

Syllabi

B.E. VII and VIII Semester

of

Four Year Degree Programme

In

Electrical and Electronics Engineering

(With effect from the academic year 2019– 2020)
(As approved in the faculty meeting held on 25-06-2019)

Issued by

Dean, Faculty of Engineering

Osmania University, Hyderabad – 500 007

2019

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VII - Semester
(ELECTRICAL AND ELECTRONICS ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	**PC 701 EE**	Power System Operation and Control	3	1	-	4	30	70	3	3
2	**PC 702 EE**	Electric Drives and Static Control	3	1	-	4	30	70	3	3
3	**PC 703 EE**	Electrical Machine Design	3	1	-	4	30	70	3	3
4		Open Elective – II	3	-	-	3	30	70	3	3
5		Open Elective – III	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
6	**PC 751 EE**	Electrical Simulation Lab	-	-	2	2	25	50	3	1
7	**PC 752 EE**	Microprocessor and Microcontrollers Lab	-	-	2	2	25	50	3	1
8	**PW 761 EE**	Project Work – I	-	-	4	4	50	-	-	2
9	**PW 762 EE**	Summer Internship	-	-	-	-	50	-	-	2
			15	**03**	**08**	**26**	**300**	**450**		**21**

Open Elective – II			**Open Elective – III**		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	**OE 771 CE**	Green Building Technologies	1	**OE 781 CE**	Road Safety Engineering
2	**OE 772 CS**	Data Science Using R Programming	2	**OE 782 IT**	Software Engineering
3	**OE 773 EC**	Fundamentals of IoT	3	**OE 783 EC**	Principles of Electronic Communications
4	**OE 774 EE****	Non-Conventional Energy Sources	4	**OE 784 EE****	Illumination and Electric Traction systems
5	**OE 775 ME**	Entrepreneurship	5	**OE 785 ME**	Mechatronics

PC: Professional Course PE: Professional Elective
L: Lectures T: Tutorials P: Practical D: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

Note-2: * The students have to undergo a Summer Internship of four weeks' duration after VI semester and credits will be awarded in VII semester after evaluation.
** Subject is not offered to the students of EEE and EIE Department.

SCHEME OF INSTRUCTION& EXAMINATION
B.E. VIII - SEMESTER
(ELECTRICAL AND ELECTRONICS ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	**PC 801 EE**	Utilization of Electrical Energy	3	-	-	3	30	70	3	3
2		Professional Elective – III	3	-	-	3	30	70	3	3
3		Professional Elective – IV	3	-	-	3	30	70	3	3
4		Professional Elective – V	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
5	**PC 851 EE**	Power Systems Lab	-	-	2	2	25	50	3	1
6	**PW 961 EE**	Project Work – II	-	-	16	16	50	100	-	8
			12	**-**	**18**	**30**	**195**	**430**		**21**

Professional Elective – III		
S. No.	Course Code	Course Title
1	**PE 821 EE**	Power System Reliability
2	**PE 822 EE**	Electric Vehicle and Hybrid Electric Vehicle
3	**PE 823 EE**	Machine Modelling Analysis
4	**PE 824 EE**	High Voltage DC Transmission

Professional Elective – IV		
S. No.	Course Code	Course Title
1	**PE 831 EE**	Advanced Control Systems
2	**PE 832 EE**	Electrical Estimation Costing & Safety
3	**PE 833 EE**	Advanced Power Electronics
4	**PE 834 EE**	Power Quality

Professional Elective – V		
1	**PE 841 EE**	Smart Grid Technologies
2	**PE 842 EE**	Energy Management Systems and SCADA
3	**PE 843 EE**	Special Electrical Machines
4	**PE 844 EE**	Power Electronics Applications to Renewable Energy
5	**PE 845 EE**	Electrical Substation Design and Equipment

PC: Professional Course PE: Professional Elective
L: Lectures T: Tutorials P: Practical D: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

CBCS EIE I to IV 1604-16; 17

SCHEME OF INSTRUCTION & EXAMINATION

B.E. I - SEMESTER

(Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering, and Electronics & Instrumentation Engineering)

S. No	Course Code	Course Title	Scheme of Instructions (Contact Hrs/Wk)			Scheme of Examination			Credits
			L	T	Pr/Drg	CIE	SEE	Duration in Hrs	
Theory Courses									
1.	BS 101 MT	Engineering Mathematics I	3	1	0	30	70	3	3
2.	BS 102 PH	Engineering Physics I	3	0	0	30	70	3	3
3.	BS 103 CH	Engineering Chemistry I	3	0	0	30	70	3	3
4.	ES 104 CE	Engineering Mechanics I	3	1	0	30	70	3	3
5.	ES 105 CS	Computer Programming and Problem Solving	3	0	0	30	70	3	3
6.	MC 106 EG	Engineering English	3	0	0	30	70	3	3
Practical / Laboratory Courses									
7.	BS 151 PH	Engineering Physics Lab I	0	0	2	25	50	3	1
8.	BS 152 CH	Engineering Chemistry Lab I	0	0	2	25	50	3	1
9.	ES 153 CE	Engineering Graphics I	0	0	2 x 2	50	50	3	2
10.	ES 154 CS	Computer Programming Lab	0	0	2	25	50	3	1
11.	ES 155 ME	Engineering Workshop I	0	0	2	25	50	3	1
12.	MC 156 EG	Engineering English Lab	0	0	2	25	50	3	1
		Total	**18**	**2**	**14**	**355**	**720**		**25**

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences PE: Professional Elective
OE: Open Elective CIE: Continuous Internal Evaluation SEE: Semester End Examination(Univ.Exam)

L: Lectures T: Tutorials

Note: 1) Each contact hour is a Clock Hour

2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. II - SEMESTER
(ELECTRONICS & INSTRUMENTATION ENGINEERING)

S. No	Course Code	Course Title	Scheme of Instructions (Contact Hrs/Wk)			Scheme of Examination			Credits
			L	T	Pr/Drg	CIE	SEE	Duration in Hrs	
Theory Courses									
1.	BS 201 MT	Engineering Mathematics II	3	1	0	30	70	3	3
2.	BS 202 PH	Engineering Physics II	3	0	0	30	70	3	3
3.	BS 203 CH	Engineering Chemistry II	3	0	0	30	70	3	3
4.	HS 204 EG	Business Communication and Presentation Skills	3	0	0	30	70	3	3
5.	ES 965 ME	Elements of Mechanical Engineering	3	0	0	30	70	3	3
6.	ES 933 EC	Electronic Engineering-I	3	0	0	30	70	3	3
Practical / Laboratory Courses									
7.	BS 251 PH	Engineering Physics Lab II	0	0	2	25	50	3	1
8.	BS 252 CH	Engineering Chemistry Lab II	0	0	2	25	50	3	1
9.	ES 930 CS	Computer Skills Lab	0	0	2	25	50	3	1
10.	HS 253 EG	Communication Skills Lab	0	0	2	25	50	3	1
11.	ES 255 ME	Engineering Workshop-II	0	0	2	25	50	3	1
		Total	18	1	10	305	670		23

BS: Basic Sciences
PC: Professional Course
OE: Open Elective
ES: Engineering Sciences
HS: Humanities and Sciences
CIE: Continuous Internal Evaluation
MC: Mandatory Course
PE: Professional Elective
SEE: Semester End Examination (Univ.Exam)

L: Lectures T: Tutorials

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

II Year EIE 1604-16; 1604-17

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

and

Syllabi

B.E. III-Semester & IV-Semester

of

Four Year Degree Programme

In

Electronics & Instrumentation Engineering

(With effect from the academic year 2017 – 2018)

(As approved in Faculty Meeting held on 26 June 2017)

Issued by

Dean, Faculty of Engineering

Osmania University, Hyderabad

July 2017

SCHEME OF INSTRUCTION & EXAMINATION
B.E. III – Semester
(ELECTRONICS AND INSTRUMENTATION ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/ Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1.	BS301MT	Engineering Mathematics - III	3	1	-	4	30	70	3	3
2.	ES322EC	Electronic Engineering-II	3	-	-	3	30	70	3	3
3.	ES323ME	Prime Movers & Pumps	3	-	-	3	30	70	3	3
4.	PC302EE	Electromagnetic Fields	3	1	-	4	30	70	3	3
5.	PC303EE	Digital Electronics & Logic Design	3	-	-	3	30	70	3	3
6.	PC304EE	Network Theory	3	1	-	4	30	70	3	3
7.	MC916CE	Environmental Sciences	3	-	-	3	30	70	3	3
Practical /Laboratory Courses										
8.	ES361ME	Mechanical Engineering Lab	-	-	2	2	25	50	3	1
9.	ES362EC	Electronic Engineering Lab.	-	-	2	2	25	50	3	1
			21	**3**	**4**	**28**	**260**	**590**		**23**

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences
L: Lectures T: Tutorials Pr : Practicals Drg: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.
3) Students admitted into B.E./B.Tech. courses under lateral entry scheme (through ECET) from the academic year 2017-18 should undergo the following bridge course subjects at III Semester (CBCS).
(1) ES 154 CS Computer Programming Lab
(2) MC 156 EG Engineering English Lab

SCHEME OF INSTRUCTION & EXAMINATION
B.E. IV – Semester
(ELECTRONICS AND INSTRUMENTATION ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/ Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
	Theory Courses									
1.	BS401MT	Engineering Mathematics - IV	3	1	-	4	30	70	3	3
2.	PC404EE	Power Electronics	3	1	-	4	30	70	3	3
3.	PC405EE	Linear Integrated Circuits	3	-	-	3	30	70	3	3
4.	PC406EE	Transducer Engineering	3		-	3	30	70	3	3
5.	PC407EE	Electrical Machines	3	1	-	4	30	70	3	3
6.	PC408EE	Signal and Systems	3	1	-	4	30	70	3	3
7.	HS401BM	Managerial Economics & Accountancy	3	-	-	3	30	70	3	3
	Practical /Laboratory Courses									
8.	PC451EE	Digital Electronics and Integrated Circuits Lab	-	-	2	2	25	50	3	1
9.	PC453EE	Computer Aided Instrumentation Drawing Lab.	-	-	2	2	25	50	3	1
			21	**04**	**04**	**29**	**260**	**260**		**23**

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences
L: Lectures T: Tutorials Pr : Practicals Drg: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

III Year EIE 1604-16; 1604-17

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

and

Syllabi

B.E. V & VI Semesters

Of

Four Year Degree Programme

in

ELECTRONICS & INSTRUMENTATION ENGINEERING

(With effect from the Academic Year 2018 – 2019)
(As approved in the Faculty Meeting held on 26th June 2018)

Issued by
Dean, Faculty of Engineering
Osmania University, Hyderabad
July 2018

SCHEME OF INSTRUCTION & EXAMINATION
B.E. V - Semester
(ELECTRONICS AND INSTRUMENTATION ENGINEERING)

S.No	Course Code	Course Title	Scheme of Instruction			Contact Hrs/Wk	Scheme of Examination			Credits
			L	T	P/D		CIE	SEE	Duration in Hrs	
Theory Courses										
1	PC503EE	Electrical Measurements and Instrumentation	3	1	-	4	30	70	3	3
2	PC504EE	Linear Control Systems	3	1	-	4	30	70	3	3
3	PC505EE	Digital Signal Processing and Applications	3	1	-	4	30	70	3	3
4	PC506EE	Power Plant Instrumentation	3	-	-	3	30	70	3	3
5	PC507EE	Instrumentation Systems	3	-	-	3	30	70	3	3
6	PE-I	Professional Elective-I	3	-	-	3	30	70	3	3
7	MC901EG	Gender Sensitization	3	-	-	3	30	70	3	0
Practical /Laboratory Courses										
8	PC552EE	Power Electronics Lab	-	-	2	2	25	50	3	1
9	PC554EE	Transducer Lab	-	-	2	2	25	50	3	1
10	PC555EE	Circuits and Measurement Lab	-	-	2	2	25	50	3	1
Total			**21**	**03**	**06**	**30**	**285**	**640**	-	**21**

Professional Elective-I

S. No.	Course Code	Course Title
1	PE504EE	Building Automation Systems
2	PE505EE	Principle of Communication Engineering
3	PE506EE	Advanced Sensors

PC: Professional Course **PE**: Professional Elective **MC**: Mandatory Course
L: Lecture **T**: Tutorial **P**: Practical **D**: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note:
1. Each contact hour is a Clock Hour
2. The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VI – Semester
(ELECTRONICS AND INSTRUMENTATION ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
	Theory Courses									
1	PC602EE	Microcontroller & Microprocessor	3	1	-	4	30	70	3	3
2.	PC605EE	Biomedical Instrumentation	3	-	-	3	30	70	3	3
3.	PC606EE	Process Control	3	-	-	3	30	70	3	3
4.	PC607EE	Electronics Instrumentation Systems	3	-	-	3	30	70	3	3
5	PE-II	Professional Elective-I	3	-	-	3	30	70	3	3
6.	OE-I	Open Elective-I	3	-	-	3	30	70	3	3
Practical /Laboratory Courses										
7	PC651EE	Electrical Machine Lab	-	-	2	2	25	50	3	1
8	PC652EE	Digital Signal Processing Lab	-	-	2	2	25	50	3	1
9	PC653EE	Control System Lab	-	-	2	2	25	50	3	1
10	MC	Mandatory Course	-	-	3	3	50	-	-	0
11	SI 671EE	Summer Internship**	-	-	-	-	-	-	-	-
Total			**18**	**01**	**09**	**28**	**305**	**570**		**21**

PC: Professional Course **PE**: Professional Elective **MC**: Mandatory Course
SI: Summer Internship
L: Lecture **T**: Tutorial **P**: Practical **D**: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note 1:

1. Each contact hour is a Clock Hour
2. The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

Note 2:

* The students have to undergo a Summer Internship of four weeks duration after VI semester and credits will be awarded in VII semester after evaluation.

** Subject not offered to the students of Electronics and Instrumentation Engineering Department.

Open Elective-I:

S.No	Course Code	Course Title
1	OE601CE	Disaster Management
2	OE602CE	Geo Spatial Techniques
3	OE601CS	Operating Systems
4	OE602CS	OOP using Java
5	OE601IT	Database Systems
6	OE601EC	Principles of Embedded Systems
7	OE602EC	Digital System Design using HDL Verilog
8	OE601EE	Reliability Engineering**
9	OE602EE	Basics of Power Electronics**
10	OE601ME	Industrial Robotics
11	OE602ME	Material Handling
12	OE632AE	Automotive Safety & Ergonomics

Professional Elective – II

S.No.	Course Code	Course Title
1	PE604EE	Instrumentation in Aerospace and Navigation
2	PE605EE	Piping and Instrumentation Diagrams
3	PE606EE	Instrumentation and Control in Petrochemical industry

Mandatory Course

S.No.	Course Code	Course Title
1	MC951SP	Yoga Practice
2	MC952SP	National Service Scheme
3	MC953SP	Sports

IV Year EIE 1604-16; 1604-17

CBCS

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

(CBCS Curriculum for the Academic Year 2019-2020)

and

Syllabi

B.E. VII and VIII Semester

of

Four Year Degree Programme

In

Electronics and Instrumentation Engineering

(With effect from the academic year 2019– 2020)

(As approved in the faculty meeting held on 25-06-2019)

Issued by

Dean, Faculty of Engineering

Osmania University, Hyderabad – 500 007

2019

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VII - Semester
(ELECTRONICS AND INSTRUMENTATION ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	**PC 711 EE**	Opto-Electronic Instrumentation	3	-	-	3	30	70	3	3
2	**PC 712 EE**	Virtual Instrumentation	3	-	-	3	30	70	3	3
3	**PC 713 EE**	Analytical Instrumentation	3	-	-	3	30	70	3	3
4		Open Elective – II	3	-	-	3	30	70	3	3
5		Open Elective – III	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
6	**PC 752 EE**	Microprocessor and Microcontrollers Lab	-	-	2	2	25	50	3	1
7	**PC 753 EE**	Instrumentation Simulation Lab	-	-	2	2	25	50	3	1
8	**PW 761 EE**	Summer Internship	-	-	4	4	50	-	-	2
9	**SI 762 EE**	Project Work – I	-	-	-	-	50	-	-	2
			15	**-**	**08**	**23**	**300**	**450**		**21**

Open Elective – II			**Open Elective – III**		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	**OE 771 CE**	Green Building Technologies	1	**OE 781 CE**	Road Safety Engineering
2	**OE 772 CS**	Data Science Using R Programming	2	**OE 782 IT**	Software Engineering
3	**OE 773 EC**	Fundamentals of IoT	3	**OE 783 EC**	Principles of Electronic Communications
4	**OE 774 EE****	Non-Conventional Energy Sources	4	**OE 784 EE****	Illumination and Electric Traction systems
5	**OE 775 ME**	Entrepreneurship	5	**OE 785 ME**	Mechatronics

PC: Professional Course PE: Professional Elective
L: Lectures T: Tutorials P: Practical D: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

Note-2: * The students have to undergo a Summer Internship of four weeks' duration after VI semester and credits will be awarded in VII semester after evaluation.
** Subject is not offered to the students of EEE and EIE Department.

SCHEME OF INSTRUCTION& EXAMINATION
B.E. VIII - SEMESTER
(ELECTRONICS AND INSTRUMENTATION ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	**PC 802 EE**	Advance Programmable Logic Controller	3	-	-	3	30	70	3	3
2		Professional Elective – III	3	-	-	3	30	70	3	3
3		Professional Elective – IV	3	-	-	3	30	70	3	3
4		Professional Elective – V	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
5	**PC 852 EE**	Process Instrumentation Lab	-	-	2	2	25	50	3	1
6	**PW 961 EE**	Project Work – II	-	-	16	16	50	100	-	8
			12	**-**	**18**	**30**	**195**	**430**		**21**

Professional Elective – III		
S. No.	Course Code	Course Title
1	**PE 825 EE**	Digital Control Systems
2	**PE 826 EE**	Automation in Process Control
3	**PE 827 EE**	Hydraulic & Pneumatics
4	**PE 828 EE**	Software Design tools for Sensing & Control

Professional Elective – IV		
S. No.	Course Code	Course Title
1	**PE 834 EE**	Power Quality
2	**PE 835 EE**	Advance Digital Signal Processing
3	**PE 836 EE**	Biomedical Signal Processing
4	**PE 837 EE**	Power plant design and safety management

Professional Elective – V		
1	**PE 842 EE**	Energy Management Systems and SCADA
2	**PE 846 EE**	Neural Networks and Fuzzy Logic
3	**PE 847 EE**	Instrumentation for Agricultural and Food Processing Industries
4	**PE 848 EE**	Digital Image Processing

PC: Professional Course PE: Professional Elective
L: Lectures T: Tutorials P: Practical D: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

CBCS IT I to IV 1604-16; 1604-17

SCHEME OF INSTRUCTION & EXAMINATION

B.E. I - SEMESTER

(Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering, and Electronics & Instrumentation Engineering)

S. No	Course Code	Course Title	Scheme of Instructions (Contact Hrs/Wk)			Scheme of Examination			Credits
			L	T	Pr/Drg	CIE	SEE	Duration in Hrs	
Theory Courses									
1.	BS 101 MT	Engineering Mathematics I	3	1	0	30	70	3	3
2.	BS 102 PH	Engineering Physics I	3	0	0	30	70	3	3
3.	BS 103 CH	Engineering Chemistry I	3	0	0	30	70	3	3
4.	ES 104 CE	Engineering Mechanics I	3	1	0	30	70	3	3
5.	ES 105 CS	Computer Programming and Problem Solving	3	0	0	30	70	3	3
6.	MC 106 EG	Engineering English	3	0	0	30	70	3	3
Practical / Laboratory Courses									
7.	BS 151 PH	Engineering Physics Lab I	0	0	2	25	50	3	1
8.	BS 152 CH	Engineering Chemistry Lab I	0	0	2	25	50	3	1
9.	ES 153 CE	Engineering Graphics I	0	0	2 x 2	50	50	3	2
10.	ES 154 CS	Computer Programming Lab	0	0	2	25	50	3	1
11.	ES 155 ME	Engineering Workshop I	0	0	2	25	50	3	1
12.	MC 156 EG	Engineering English Lab	0	0	2	25	50	3	1
		Total	**18**	**2**	**14**	**355**	**720**		**25**

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences PE: Professional Elective
OE: Open Elective CIE: Continuous Internal Evaluation SEE: Semester End Examination(Univ.Exam)

L: Lectures T: Tutorials

Note: 1) Each contact hour is a Clock Hour

2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. II - SEMESTER
(COMPUTER SCIENCE & ENGINEERING)

S. No	Course Code	Course Title	Scheme of Instructions (Contact Hrs/Wk)			Scheme of Examination			Credits
			L	T	Pr/Drg	CIE	SEE	Duration in Hrs	
Theory Courses									
1.	BS 201 MT	Engineering Mathematics II	3	1	0	30	70	3	3
2.	BS 202 PH	Engineering Physics II	3	0	0	30	70	3	3
3.	BS 203 CH	Engineering Chemistry II	3	0	0	30	70	3	3
4.	HS 204 EG	Business Communication and Presentation Skills	3	0	0	30	70	3	3
5.	PC 205 CS	Object Oriented Programming using C++	3	1	0	30	70	3	3
6.	ES 950 EE	Basic Electrical Engg.	3	0	0	30	70	3	3
Practical / Laboratory Courses									
7.	BS 251 PH	Engineering Physics Lab II	0	0	2	25	50	3	1
8.	BS 252 CH	Engineering Chemistry Lab II	0	0	2	25	50	3	1
9.	ES 930 CS	Computer Skills Lab	0	0	2	25	50	3	1
10.	HS 253 EG	Communication Skills Lab	0	0	2	25	50	3	1
11.	PC 254 CS	C++ Programming Lab	0	0	2	25	50	3	1
		Total	18	2	10	305	670		23

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences PE: Professional Elective
OE: Open Elective CIE: Continuous Internal Evaluation SEE: Semester End Examination (Univ.Exam)

L: Lectures T: Tutorials

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

II Year IT 1604-16, 1604-16
CBCS

SCHEME OF INSTRUCTION

BE (INFORMATION TECHNOLOGY)

Proposed scheme with effect from the academic year 2017-2018

Semester - III

S.No	Course Code	Course	Scheme of Instruction			Scheme of Examination			Credit
			Hours Per Week			Contact	Maximum Marks		
			L	T	P	Hrs/Wk	CIE	SEE	
THEORY									
1	PC 301 IT	Discrete Mathematics	3	1	0	4	30	70	3
2	PC 302 IT	**Microelectronics**	3	1	0	4	30	70	3
3	PC 303 IT	Digital Electronics & Logic Design	3	1	0	4	30	70	3
4	PC 304 IT	**Data Structures**	3	1	0	4	30	70	3
5	PC 305 IT	**Probability and Random Processes**	3	1	0	4	30	70	3
6	MC 322 HS	Environmental Studies	3	0	0	3	30	70	3
PRACTICALS									
7	PC 331 IT	**Data Structures Lab**	0	0	4	2	25	50	2
8	PC 332 IT	**Basic Electronics Lab**	0	0	2	2	25	50	1
9	PW333 IT	Mini Project – I	0	0	4	2	25	50	1
TOTAL			18	5	6	29	255	570	22

Dean,
Faculty of Informatics,
Osmania University

With effect from the academic year 2017-2018

SCHEME OF INSTRUCTION

BE (INFORMATION TECHNOLOGY)

Proposed scheme with effect from the academic year 2017-2018

Semester – IV

S.No	Course Code	Course	Scheme of Instruction			Scheme of Examination			Credits
			Periods Per week			Contact	Maximum Marks		
			L	T	P	Hrs/Wk	CIE	SEE	
		THEORY							
1	PC 401 EC	Signals and Systems	3	1	0	4	30	70	3
2	PC 402 IT	Computer Organisation & Microprocessor	3	1	0	4	30	70	3
3	PC 403 IT	**Scripting Languages**	3	1	0	4	30	70	3
4	PC 404 IT	OOPS USING JAVA	3	1	0	4	30	70	3
5	PC 405 IT	Data Communications	3	1	0	4	30	70	3
6	MC411BM	**Managerial Economics and Accountancy**	3	0	0	3	30	70	3
		PRACTICALS							
7	PC 431 IT	Microprocessor Lab	0	0	2	2	25	50	1
8	PC 432 IT	**JAVA Lab**	0	0	4	2	25	50	2
9	PW 433 IT	Mini Project - II	0	0	4	2	25	50	2
TOTAL			18	5	6	29	255	570	23

Dean,
Faculty of Informatics
Osmania University

III Year IT · 1604-16 ; 1604-17

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

and

Syllabi

B.E. V and VI Semesters

of

Four Year Degree Programme

in

INFORMATION TECHNOLOGY

(With effect from the academic year 2018 - 2019)
As approved in the faculty meeting held on 26th July 2018

Issued by
Dean, Faculty of Engineering
Osmania University, Hyderabad - 500 007
2018

SCHEME OF INSTRUCTION & EXAMINATION
B.E. V - Semester
(INFORMATION TECHNOLOGY)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	D/P	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Course										
1.	PC 501 IT	Software Engineering	3	1	-	4	30	70	3	3
2.	PC 502 IT	Database Systems	3	1	-	4	30	70	3	3
3.	PC 503 IT	Operating Systems	3	1	-	4	30	70	3	3
4.	PC 504 IT	Automata Theory	3	1	-	4	30	70	3	3
5.	PC 505 IT	Computer Networks	3	1	-	4	30	70	3	3
6.	PE-I	Professional Elective - I	3	-	-	3	30	70	3	3
7.	MC 901 EG	Gender Sensitization	3	-	-	3	30	70	3	0
Practical/Laboratory Course										
8.	PC531 IT	Computer Networks and Operating Systems Lab	-	-	2	2	25	50	3	1
9.	PC532 IT	Database Systems Lab	-	-	2	2	25	50	3	1
10..	PW533 IT	Mini Project – III	-	-	2	2	25	50	3	1
Total			**21**	**05**	**06**	**32**	**285**	**640**	**-**	**21**

Profession Elective - I	
Course Code	**Course Title**
PE 511 IT	Artificial Intelligence
PE 512 IT	Computer Graphics
PE 513 IT	Multimedia Technologies

PC: Professional Course **PE**: Professional Elective **MC**: Mandatory Course
PW: Project Work
L: Lecture T: Tutorial **P**: Practical **D**: Drawing
CIE: Continuous Internal Evaluation, **SEE**: Semester End Examination (Univ. Exam)

Note:

1. Each contact hour is a Clock Hour
2. The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VI - Semester
(INFORMATION TECHNOLOGY)

S. No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	D/P	Contact Hrs/Wk	CIE	SEE	Duration in Hrs/Wk	
Theory Course										
1.	PC 601 IT	Web Application Development	3	1	-	4	30	70	3	3
2.	PC 602 IT	Compiler Construction	3	1	-	4	30	70	3	3
3.	PC 603 IT	Embedded System	3	1	-	4	30	70	3	3
4.	PC 604 IT	Design and Analysis of Algorithms	3	1	-	4	30	70	3	3
5.	PE -II	Professional Elective -II	3	-	-	3	30	70	3	3
6.	OE - 1	Open Elective -1	3	-	-	3	30	70	3	3
Practical/Laboratory Course										
7.	PC631 IT	Embedded System Lab	-	-	2	2	25	50	3	1
8.	PC632 IT	Web Application Development Lab	-	-	2	2	25	50	3	1
9.	PW633 IT	Mini Project – IV	-	-	2	2	25	50	3	1
10.	MC	Mandatory Course	-	-	3	3	50	-	-	0
11.	SI 671 IT	Summer Internship*	-	-	-	-	-	-	-	-
Total			**18**	**4**	**9**	**29**	**305**	**570**	**-**	**21**

PC: Professional Course **PE:** Professional Elective **MC**: Mandatory Course
OE: Open Elective **PW**: Project Work **SI**: Summer Internship
L: Lecture **T**: Tutorial **P**: Practical **D**: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note-1:

1. Each contact hour is a Clock Hour
2. The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

Note-2:

* The students have to undergo a Summer Internship of four weeks duration after VI semester and credits will be awarded in VII semester after evaluation.

** Subject is not offered to the students of CSE and IT Department.

Open Elective-I:

S.No	Course Code	Course Title
1	OE601CE	Disaster Management
2	OE602CE	Geo Spatial Techniques
3	OE601CS	Operating Systems**
4	OE602CS	OOP using Java**
5	OE601IT	Database Systems**
6	OE601EC	Principles of Embedded Systems
7	OE602EC	Digital System Design using HDL Verilog
8	OE601EE	Reliability Engineering
9	OE602EE	Basics of Power Electronics
10	OE601ME	Industrial Robotics
11	OE602ME	Material Handling
12	OE632AE	Automotive Safety & Ergonomics

Professional Elective – II

S.No.	Course Code	Course Title
1	PE 611 IT	Data Mining
2	PE 612 IT	Software Quality & Testing
3	PE 613 IT	Internet of Things
4	PE 614 IT	Image Processing

Mandatory Course

S.No.	Course Code	Course Title
1	MC951SP	Yoga Practice
2	MC952SP	National Service Scheme
3	MC953SP	Sports

IV Year IT 1604-16; 1604-17

CBCS

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

(CBCS Curriculum for the Academic Year 2019-2020)

and

Syllabi

B.E. VII and VIII Semester

of

Four Year Degree Programme

In

Information Technology

(With effect from the academic year 2019– 2020)

(As approved in the faculty meeting held on 25-06-2019)

Issued by

Dean, Faculty of Engineering

Osmania University, Hyderabad – 500 007

2019

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VII - Semester
(INFORMATION TECHNOLOGY)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	**PC 701 IT**	VLSI Design	3	1	-	4	30	70	3	3
2	**PC 702 IT**	Big Data Analytics	3	1	-	4	30	70	3	3
3	**PC 703 IT**	Wireless Mobile Communication	3	1	-	4	30	70	3	3
4	**PC 704 IT**	Network Security and Cryptography	3	1	-	4	30	70	3	3
5		Open Elective – II	3	-	-	3	30	70	3	3
6		Open Elective – III	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
7	**PC 751 IT**	VLSI Design Lab	-	-	2	2	25	50	3	1
8	**PC 752 IT**	Big Data Analytics Lab	-	-	2	2	25	50	3	1
9	**PW 761 IT**	Project Work – I	-	-	4	4	50	-	-	2
10	**SI 762 IT**	Summer Internship	-	-	-	-	50	-	-	2
			18	**04**	**08**	**30**	**330**	**520**		**24**

Open Elective – II			**Open Elective – III**		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	**OE 771 CE**	Green Building Technologies	1	**OE 781 CE**	Road Safety Engineering
2	**OE 772 CS****	Data Science Using R Programming	2	**OE 782 IT****	Software Engineering
3	**OE 773 EC**	Fundamentals of IoT	3	**OE 783 EC**	Principles of Electronic Communications
4	**OE 774 EE**	Non-Conventional Energy Sources	4	**OE 784 EE**	Illumination and Electric Traction systems
5	**OE 775 ME**	Entrepreneurship	5	**OE 785 ME**	Mechatronics

PC: Professional Course PE: Professional Elective
L: Lectures T: Tutorials P: Practical D: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

Note-2: * The students have to undergo a Summer Internship of four weeks' duration after VI semester and credits will be awarded in VII semester after evaluation.
** Subject is not offered to the students of CSE and IT Departments.

SCHEME OF INSTRUCTION& EXAMINATION
B.E. VIII - SEMESTER
(INFORMATION TECHNOLOGY)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1		Professional Elective – III	3	-	-	3	30	70	3	3
2		Professional Elective – IV	3	-	-	3	30	70	3	3
3		Professional Elective – V	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
4	**PW961 IT**	Project Work – II	-	-	16	16	50	100	-	8
			09	**-**	**16**	**25**	**140**	**310**		**17**

Professional Elective – III		
S. No.	Course Code	Course Title
1	**PE 821 IT**	Distributed Systems
2	**PE 824 CS**	Web Services and Architecture
3	**PE 833 CS**	Machine Learning
4	**PE 835 CS**	Data Science Using R Programming

Professional Elective – IV		
S. No.	Course Code	Course Title
1	**PE 825 CS**	Computational Intelligence
2	**PE 832 IT**	Adhoc and Sensor Networks
3	**PE 834 CS**	Natural Language Processing
4	**PE 834 IT**	Information Storage and Management

Professional Elective – V		
1	**PE 832 CS**	Information Retrieval System
2	**PE 841 IT**	Advanced Database Management systems
3	**PE 842 IT**	Cloud Computing
4	**PE 843 CS**	Human Computer Interaction

PC: Professional Course PE: Professional Elective
L: Lectures T: Tutorials P: Practical D: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

CBCS Mech. I to IV 1604-16; 16.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. I - SEMESTER
(MECHANICAL ENGINEERING, PRODUCTION ENGINEERING, & AUTOMOBILE ENGINEERING)

S. No	Course Code	Course Title	Scheme of Instructions (Contact Hrs/Wk)			Scheme of Examination			Credits
			L	T	Pr/Drg	CIE	SEE	Duration in Hrs	
Theory Courses									
1.	BS 101 MT	Engineering Mathematics I	3	1	0	30	70	3	3
2.	BS 102 PH	Engineering Physics I	3	0	0	30	70	3	3
3.	BS 103 CH	Engineering Chemistry I	3	0	0	30	70	3	3
4.	ES 104 CE	Engineering Mechanics I	3	1	0	30	70	3	3
5.	ES 105 CS	Computer Programming and Problem Solving	3	0	0	30	70	3	3
6.	MC 106 EG	Engineering English	3	0	0	30	70	3	3
Practical / Laboratory Courses									
7.	BS 151 PH	Engineering Physics Lab I	0	0	2	25	50	3	1
8.	BS 152 CH	Engineering Chemistry Lab I	0	0	2	25	50	3	1
9.	ES 157 ME	Engineering Drawing I	0	0	2 x 2	50	50	3	2
10.	ES 154 CS	Computer Programming Lab	0	0	2	25	50	3	1
11.	ES 155 ME	Engineering Workshop I	0	0	2	25	50	3	1
12.	MC 156 EG	Engineering English Lab	0	0	2	25	50	3	1
		Total	**18**	**2**	**14**	**355**	**720**		**25**

BS: Basic Sciences
PC: Professional Course
OE: Open Elective
ES: Engineering Sciences
HS: Humanities and Sciences
CIE: Continuous Internal Evaluation
MC: Mandatory Course
PE: Professional Elective
SEE: Semester End Examination(Univ.Exam)

L: Lectures T: Tutorials

Note: 1) Each contact hour is a Clock Hour

2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. II - SEMESTER
(MECHANICAL ENGINEERING, PRODUCTION ENGINEERING, & AUTOMOBILE ENGINEERING)

S. No	Course Code	Course Title	Scheme of Instructions (Contact Hrs/Wk)			Scheme of Examination			Credits
			L	T	Pr/Drg	CIE	SEE	Duration in Hrs	
Theory Courses									
1.	BS 201 MT	Engineering Mathematics II	3	1	0	30	70	3	3
2.	BS 202 PH	Engineering Physics II	3	0	0	30	70	3	3
3.	BS 203 CH	Engineering Chemistry II	3	0	0	30	70	3	3
4.	HS 204 EG	Business Communication and Presentation Skills	3	0	0	30	70	3	3
5.	ES 205 CE	Engineering Mechanics-II	3	1	0	30	70	3	3
Practical / Laboratory Courses									
6.	BS 251 PH	Engineering Physics Lab II	0	0	2	25	50	3	1
7.	BS 252 CH	Engineering Chemistry Lab II	0	0	2	25	50	3	1
8.	ES 930 CS	Computer Skills Lab	0	0	2	25	50	3	1
9.	HS 253 EG	Communication Skills Lab	0	0	2	25	50	3	1
10.	ES 254 ME	Engineering Graphics-II	0	0	2x2	50	50	3	2
11.	ES 255 ME	Engineering Workshop-II	0	0	2	25	50	3	1
		Total	15	2	14	325	650		22

BS: Basic Sciences
PC: Professional Course
OE: Open Elective
ES: Engineering Sciences
HS: Humanities and Sciences
CIE: Continuous Internal Evaluation
MC: Mandatory Course
PE: Professional Elective
SEE: Semester End Examination (Univ.Exam)

L: Lectures T: Tutorials

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

II Year Mech. 1604-16; 1604-17

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

and

Syllabi

B.E. III-Semester & IV-Semester

of

Four Year Degree Programme

In

Mechanical Engineering

(With effect from the academic year 2017 – 2018)
(As approved in Faculty Meeting held on 26 July 2017)

Issued by
Dean, Faculty of Engineering
Osmania University, Hyderabad
July 2017

SCHEME OF INSTRUCTION & EXAMINATION

B.E. III - Semester

(MECHANICAL ENGINEERING)

S. No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/ Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1.	BS301MT	Engineering Mathematics-III	3	1	-	4	30	70	3	3
2.	ES321CE	Mechanics of Materials	3	1	-	4	30	70	3	3
3.	PC301ME	Engineering Thermodynamics	4	-	-	4	30	70	3	4
4.	PC302ME	Metallurgy & Material Science	4	-	-	4	30	70	3	4
5.	PC303ME	Fluid Mechanics	4	-	-	4	30	70	3	4
6.	MC916CE	Environmental Sciences	3	-	-	3	30	70	3	3
Practical/Laboratory Courses										
7.	ES361CE	Mechanics of Materials Lab.	-	-	2	2	25	50	3	1
8.	PC351ME	Machine Drawing	-	-	2	2	25	50	3	1
9.	PC352ME	Metallurgy Lab.	-	-	2	2	25	50	3	1
Total			**21**	**2**	**6**	**29**	**255**	**570**		**24**

Engineering Service Courses offered to other Departments

S. No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/ Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1.	ES321ME	Part-B: Mechanical Technology (for CE)	2	-	-	2	15	35	2	2
2.	ES323ME	Prime Movers & Pumps (for EEE & EIE)	3	-	-	3	30	70	3	3
3.	ES965ME	Elements of Mechanical Engineering (for ECE)	3	-	-	3	30	70	3	3
Practical/Laboratory Courses										
4.	ES361ME	Mechanical Engg. Lab. (for EEE & EIE)	-	-	2	2	25	50	3	1

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course

PC: Professional Course HS: Humanities and Sciences

L: Lectures T: Tutorials Pr : Practicals Drg: Drawing

CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour

2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

3) Students admitted into B.E./B.Tech. courses under lateral entry scheme (through ECET) from the academic year 2017-18 should undergo the following bridge course subjects at III Semester (CBCS).

(1) ES 154 CS Computer Programming Lab

(2) MC 156 EG Engineering English Lab

SCHEME OF INSTRUCTION & EXAMINATION
B.E. IV - Semester
(MECHANICAL ENGINEERING)

S. No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/ Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1.	BS401MT	Engineering Mathematics-IV	3	1	-	4	30	70	3	3
2.	ES422EE	Electrical Circuits & Machines	3	-	-	3	30	70	3	3
3.	ES934EC	Basic Electronics	3	-	-	3	30	70	3	3
4.	PC401ME	Applied Thermodynamics	4	-	-	4	30	70	3	4
5.	PC402ME	Kinematics of Machines	4	1	-	5	30	70	3	4
6.	PC403ME	Design of Machine Elements	4	-	-	4	30	70	3	4
Practical/Laboratory Courses										
7.	ES461EE	Electrical Circuits & Machines Lab.	-	-	2	2	25	50	3	1
8.	ES955EC	Basic Electronics Lab.	-	-	2	2	25	50	3	1
9.	PC451ME	Applied Thermodynamics Lab.	-	-	2	2	25	50	3	1
Total			**21**	**2**	**6**	**29**	**255**	**570**		**24**

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences
L: Lectures T: Tutorials Pr : Practicals Drg: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

III Year Mech. 1604-16; 1604-17

FACULTY OF ENGINEERING
Scheme of Instruction & Examination

and

Syllabi

B.E. V and VI Semesters

of

Four Year Degree Programme

in

MECHANICAL ENGINEERING

(With effect from the Academic Year 2018– 2019)
(As approved in the Faculty Meeting held on 26th June 2018)

Issued by
Dean, Faculty of Engineering
Osmania University, Hyderabad 500 007
2018

SCHEME OF INSTRUCTION & EXAMINATION
B.E. V - Semester
(MECHANICAL ENGINEERING)

S.No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hr/Wk	CIE	SEE	Duration in Hours	
Theory Courses										
1.	PC501ME	Dynamics of Machines	4	–	–	4	30	70	3	4
2.	PC502ME	Manufacturing Processes	3	–	–	3	30	70	3	3
3.	PC503ME	Machine Design	4	–	–	4	30	70	3	4
4.	PC504ME	Heat Transfer	3	1	–	4	30	70	3	3
5.	PC505ME	Operations Research	3	–	–	3	30	70	3	3
6.	PC506ME	CAD/CAM	3	–	–	3	30	70	3	3
7.	MC901EG	Gender Sensitization	3	–	–	3	30	70	3	0
Practical / Laboratory Courses										
8.	PC551ME	Computer Aided Production Drawing & CAM Lab	–	–	2	2	25	50	3	1
9	PC552ME	Manufacturing Processes Lab	–	–	2	2	25	50	3	1
10	PC553ME	Dynamics Lab	–	–	2	2	25	50	3	1
Total			**23**	**1**	**6**	**30**	**285**	**640**		**23**

PC: Professional Course **MC**: Mandatory Course
L: Lecture **T**: Tutorial **P**: Practical **D**: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note:
1. Each contact hour is a Clock Hour
2. The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VI - Semester
(MECHANICAL ENGINEERING)

S.No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hr/Wk	CIE	SEE	Duration in Hours	
Theory Courses										
1.	PC601ME	Metal Cutting & Machine Tools	3	-	-	3	30	70	3	3
2.	PC602ME	Refrigeration & Air Conditioning	4	-	-	4	30	70	3	4
3.	PC603ME	Hydraulic Machinery & Systems	4	-	-	4	30	70	3	4
4.	PC604ME	Metrology & Instrumentation	3	-	-	3	30	70	3	3
5.	PC605ME	Automobile Engineering	3	-	-	3	30	70	3	3
6.	PE – I	Professional Elective–I	3	-	-	3	30	70	3	3
7.	OE – I	Open Elective – I	3	-	-	3	30	70	3	3
Practical / Laboratory Courses										
7.	PC651ME	Metrology & Machine Tools Lab			2	2	25	50	3	1
8.	PC652ME	Hydraulic Machinery Lab			2	2	25	50	3	1
9.	MC	Mandatory Course	-	-	3	3	50	-	3	0
10.	SI 671ME	Summer Internship*								
Total			**23**		**7**	**30**	**310**	**590**		**25**

PE: Professional Elective **MC**: Mandatory Course **OE**: Open Elective **SI**: Summer Internship
L: Lecture **T**: Tutorial **P**: Practical D: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note -1:

1. Each contact hour is a Clock Hour
2. The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

Note-2:

* The students have to undergo a Summer Internship of four weeks duration after VI semester and credits will be awarded in VII semester after evaluation.

** Subject is not offered to the students of Mechanical Engineering, Production Engineering and Automobile Engineering Department.

Open Elective-I:

S.No	Course Code	Course Title
1	OE601CE	Disaster Management
2	OE602CE	Geo Spatial Techniques
3	OE601CS	Operating Systems
4	OE602CS	OOP using Java
5	OE601IT	Database Systems
6	OE601EC	Principles of Embedded Systems
7	OE602EC	Digital System Design using Verilog HDL
8	OE601EE	Reliability Engineering
9	OE602EE	Basics of Power Electronics
10	OE601ME	Industrial Robotics**
11	OE602ME	Material Handling**
12	OE632AE	Automotive Safety & Ergonomics**

Professional Elective – I

S.No	Course Code	Course Title
1	PE601ME	Non-Conventional Energy Sources
2	PE602ME	Modern Machining and Forming Methods

Mandatory Course

S.No	Course Code	Course Title
1	MC951SP	Yoga Practice
2	MC952SP	National Service Scheme
3	MC953SP	Sports

IV Year Mech. 1604-16; 1604-17

CBCS.

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

(CBCS Curriculum for the Academic Year 2019-2020)

and

Syllabi

B.E. VII and VIII Semester

of

Four Year Degree Programme

In

Mechanical Engineering

(With effect from the academic year 2019– 2020)

(As approved in the faculty meeting held on 25-06-2019)

Issued by

Dean, Faculty of Engineering

Osmania University, Hyderabad – 500 007

2019

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VII - Semester
(MECHANICAL ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	**PC 701 ME**	Thermal Turbo Machines	3	1	-	4	30	70	3	3
2	**PC 702 ME**	Finite Element Analysis	3	1	-	4	30	70	3	3
3	**PC 703 ME**	Industrial Engineering	3	-	-	3	30	70	3	3
4	**PC 704 ME**	Production And Operations Management	3	-	-	3	30	70	3	3
5	**HS 901 MB**	Managerial Economics and Accountancy	3	-	-	3	30	70	3	3
6		Open Elective-II								
7		Open Elective-III	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
8	**PC 751 ME**	Thermal Engineering Lab	-	-	2	2	25	50	3	1
9	**PC 752 ME**	CAE Lab	-	-	2	2	25	50	3	1
10	**PW 761 ME**	Project Work – I	-	-	4	4	50	-	-	2
11	**SI 762 ME**	Summer Internship	-	-	-	-	50	-	-	2
			21	**02**	**08**	**31**	**360**	**590**		**27**

Open Elective – II			**Open Elective – III**		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	**OE 771 CE**	Green Building Technologies	1	**OE 781 CE**	Road Safety Engineering
2	**OE 772 CS**	Data Science Using R Programming	2	**OE 782 IT**	Software Engineering
3	**OE 773 EC**	Fundamentals of IoT	3	**OE 783 EC**	Principles of Electronic Communications
4	**OE 774 EE**	Non-Conventional Energy Sources	4	**OE 784 EE**	Illumination and Electric Traction systems
5	**OE 775 ME****	Entrepreneurship	5	**OE 785 ME****	Mechatronics

PC: Professional Course PE: Professional Elective
L: Lectures T: Tutorials P: Practical D: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

Note-2: * The students have to undergo a Summer Internship of four weeks' duration after VI semester and credits will be awarded in VII semester after evaluation.
** Subject is not offered to the students of Mechanical Engineering Department.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VIII - SEMESTER
(MECHANICAL ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1		Professional Elective – II	3	-	-	3	30	70	3	3
2		Professional Elective – III	3	-	-	3	30	70	3	3
3		Professional Elective – IV	3	-	-	3	30	70	3	3
4		Professional Elective – V	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
5	**PW 961 ME**	Project Work – II	-	-	16	16	50	100	-	8
			12	-	**16**	**28**	**170**	**380**		**20**

Professional Elective – II			**Professional Elective – III**		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	**PE 821 ME**	Design of Solar Energy System	1	**PE 826 ME**	Power Plant Engineering
2	**PE 822 ME**	Mechanical Vibrations	2	**PE 827 ME**	Robotic Engineering
3	**PE 823 ME**	Composite Materials	3	**PE 828 ME**	Tool Design
4	**PE 824 ME**	Non-Destructive Testing	4	**PE 829 ME**	Product Design And Process Planning
Professional Elective – IV			**Professional Elective – V**		
1	**PE 831 ME**	Intellectual Property Rights	1	**PE 841 ME**	Energy Conservation and Management
2	**PE 832 ME**	Additive Manufacturing Technology	2	**PE 842 ME**	Advanced Propulsion and Space Science
3	**PE 833 ME**	Machine Tool Engineering and Design	3	**PE 843 ME**	Waste Heat Recovery and Co-Generation
4	**PE 834 ME**	Entrepreneurship Development	4	**PE 844 ME**	Aerodynamic Design of Thermal Turbines

PC: Professional Course PE: Professional Elective
L: Lectures T: Tutorials P: Practical D: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

CBCS Prodn. I to IV 1604-16;17

SCHEME OF INSTRUCTION & EXAMINATION
B.E. I - SEMESTER
(MECHANICAL ENGINEERING, PRODUCTION ENGINEERING, & AUTOMOBILE ENGINEERING)

S. No	Course Code	Course Title	Scheme of Instructions (Contact Hrs/Wk)			Scheme of Examination			Credits
			L	T	Pr/Drg	CIE	SEE	Duration in Hrs	
Theory Courses									
1.	BS 101 MT	Engineering Mathematics I	3	1	0	30	70	3	3
2.	BS 102 PH	Engineering Physics I	3	0	0	30	70	3	3
3.	BS 103 CH	Engineering Chemistry I	3	0	0	30	70	3	3
4.	ES 104 CE	Engineering Mechanics I	3	1	0	30	70	3	3
5.	ES 105 CS	Computer Programming and Problem Solving	3	0	0	30	70	3	3
6.	MC 106 EG	Engineering English	3	0	0	30	70	3	3
Practical / Laboratory Courses									
7.	BS 151 PH	Engineering Physics Lab I	0	0	2	25	50	3	1
8.	BS 152 CH	Engineering Chemistry Lab I	0	0	2	25	50	3	1
9.	ES 157 ME	Engineering Drawing I	0	0	2 x 2	50	50	3	2
10.	ES 154 CS	Computer Programming Lab	0	0	2	25	50	3	1
11.	ES 155 ME	Engineering Workshop I	0	0	2	25	50	3	1
12.	MC 156 EG	Engineering English Lab	0	0	2	25	50	3	1
		Total	**18**	**2**	**14**	**355**	**720**		**25**

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences PE: Professional Elective
OE: Open Elective CIE: Continuous Internal Evaluation SEE: Semester End Examination(Univ.Exam)

L: Lectures T: Tutorials
Note: 1) Each contact hour is a Clock Hour

2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. II - SEMESTER
(MECHANICAL ENGINEERING, PRODUCTION ENGINEERING, & AUTOMOBILE ENGINEERING)

S. No	Course Code	Course Title	Scheme of Instructions (Contact Hrs/Wk)			Scheme of Examination			Credits
			L	T	Pr/Drg	CIE	SEE	Duration in Hrs	
Theory Courses									
1.	BS 201 MT	Engineering Mathematics II	3	1	0	30	70	3	3
2.	BS 202 PH	Engineering Physics II	3	0	0	30	70	3	3
3.	BS 203 CH	Engineering Chemistry II	3	0	0	30	70	3	3
4.	HS 204 EG	Business Communication and Presentation Skills	3	0	0	30	70	3	3
5.	ES 205 CE	Engineering Mechanics-II	3	1	0	30	70	3	3
Practical / Laboratory Courses									
6.	BS 251 PH	Engineering Physics Lab II	0	0	2	25	50	3	1
7.	BS 252 CH	Engineering Chemistry Lab II	0	0	2	25	50	3	1
8.	ES 930 CS	Computer Skills Lab	0	0	2	25	50	3	1
9.	HS 253 EG	Communication Skills Lab	0	0	2	25	50	3	1
10.	ES 254 ME	Engineering Graphics-II	0	0	2x2	50	50	3	2
11.	ES 255 ME	Engineering Workshop-II	0	0	2	25	50	3	1
		Total	15	2	14	325	650		22

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences PE: Professional Elective
OE: Open Elective CIE: Continuous Internal Evaluation SEE: Semester End Examination (Univ.Exam)

L: Lectures T: Tutorials

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

II Year Production 1604-16; 1604-17

CBCS

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

and

Syllabi

B.E. III-Semester & IV-Semester

of

Four Year Degree Programme

In

Production Engineering

(With effect from the academic year 2017 – 2018)
(As approved in faculty meeting held on 26 July 2017)

Issued by
Dean, Faculty of Engineering
Osmania University, Hyderabad
July 2017

SCHEME OF INSTRUCTION & EXAMINATION

B.E. III - Semester

(PRODUCTION ENGINEERING)

S. No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/ Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1.	BS301MT	Engineering Mathematics-III	3	1	-	4	30	70	3	3
2.	ES321CE	Mechanics of Materials	3	1	-	4	30	70	3	3
3.	PC301ME	Engineering Thermodynamics	4	-	-	4	30	70	3	4
4.	PC302ME	Metallurgy & Material Science	4	-	-	4	30	70	3	4
5.	PC303ME	Fluid Mechanics	4	-	-	4	30	70	3	4
6.	MC916CE	Environmental Sciences	3	-	-	3	30	70	3	3
Practical/Laboratory Courses										
7.	ES361CE	Mechanics of Materials Lab.	-	-	2	2	25	50	3	1
8.	PC351ME	Machine Drawing	-	-	2	2	25	50	3	1
9.	PC352ME	Metallurgy Lab.	-	-	2	2	25	50	3	1
Total			**21**	**2**	**6**	**29**	**255**	**570**		**24**

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences
L: Lectures T: Tutorials Pr : Practicals Drg: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.
3) Students admitted into B.E./B.Tech. courses under lateral entry scheme (through ECET) from the academic year 2017-18 should undergo the following bridge course subjects at III Semester (CBCS).
(1) ES 154 CS Computer Programming Lab
(2) MC 156 EG Engineering English Lab

SCHEME OF INSTRUCTION & EXAMINATION
B.E. IV - Semester
(PRODUCTION ENGINEERING)

S. No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/Drg	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1.	BS401MT	Engineering Mathematics-IV	3	1	-	4	30	70	3	3
2.	ES422EE	Electrical Circuits & Machines	3	-	-	3	30	70	3	3
3.	ES934EC	Basic Electronics	3	-	-	3	30	70	3	3
4.	PC401MP	Applied Thermodynamics & Heat Transfer	4	-	-	4	30	70	3	4
5.	PC402ME	Kinematics of Machines	4	1	-	5	30	70	3	4
6.	PC403ME	Design of Machine Elements	4	-	-	4	30	70	3	4
Practical/Laboratory Courses										
7.	ES461EE	Electrical Circuits & Machines Lab.	-	-	2	2	25	50	3	1
8.	ES955EC	Basic Electronics Lab.	-	-	2	2	25	50	3	1
9.	PC453MP	Applied Thermodynamics & Heat Transfer Lab.	-	-	2	2	25	50	3	1
Total			**21**	**2**	**6**	**29**	**255**	**570**		**24**

BS: Basic Sciences ES: Engineering Sciences MC: Mandatory Course
PC: Professional Course HS: Humanities and Sciences
L: Lectures T: Tutorials Pr : Practicals Drg: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

III Year Prodn. 1604-16; 1604-17

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

and

Syllabi

B.E. V and VI Semesters

of

Four Year Degree Programme

in

PRODUCTION ENGINEERING

(With effect from the Academic Year 2018 – 2019)
(As approved in the Faculty Meeting held on 26th June 2018)

Issued by
Dean, Faculty of Engineering
Osmania University, Hyderabad 500 007
2018

SCHEME OF INSTRUCTION & EXAMINATION
B.E. V - Semester
(PRODUCTION ENGINEERING)

S.No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1.	PC501MP	Metal Forming Technology	3	-	-	3	30	70	3	3
2.	PC502MP	Machine Tool Engineering	4	-	-	4	30	70	3	4
3.	PC501ME	Dynamics of Machines	4	-	-	4	30	70	3	4
4.	PC503ME	Machine Design	4	-	-	4	30	70	3	4
5.	PC505ME	Operations Research	3	-	-	3	30	70	3	3
6.	PC506ME	CAD/CAM	3	-	-	3	30	70	3	3
7.	MC901EG	Gender Sensitization	3	-	-	3	30	70	3	0
Practical/Laboratory Courses										
8.	PC551MP	Metal Forming Technology Lab	-	-	2	2	25	50	3	1
9.	PC552MP	Computer aided Production Drawing Lab	-	-	2	2	25	50	3	1
10.	PC553ME	Dynamics Lab	-	-	2	2	25	50	3	1
Total			**24**	**-**	**6**	**30**	**285**	**640**		**24**

PC: Professional Course **MC**: Mandatory Course
L: Lecture **T**: Tutorial **P**: Practical **D**: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note:

1. Each contact hour is a Clock Hour
2. The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete his experiment

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VI – Semester
(PRODUCTION ENGINEERING)

S.No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hr/Wk	CIE	SEE	Duration in Hours	
Theory Course										
1.	PC601MP	Metal Casting & Welding	3	-	-	3	30	70	3	3
2.	PE602ME	Modern Machining and Forming Methods	4	-	-	4	30	70	3	4
3.	PC602ME	Refrigeration and Air conditioning	4	-	-	4	30	70	3	4
4.	PC604ME	Metrology and Instrumentation	3	-	-	3	30	70	3	3
5.	PE – I	Professional Elective-I	3	-	-	3	30	70	3	3
6.	OE – I	Open Elective-I	3	-	-	3	30	70	3	3
Practical / Laboratory Course										
7.	PC651MP	Metal Casting & Welding Lab	-	-	2	2	25	50	3	1
8.	PC651ME	Metrology and Machine Tools Lab	-	-	2	2	25	50	3	1
9.	MC	Mandatory Course	-	-	3	3	50	-	3	0
10.	SI 671PE	Summer Internship*								
Total			**20**	**0**	**7**	**27**	**280**	**520**		**22**

PC: Professional Course **PE**: Professional Elective **OE**: Open Elective
MC: Mandatory Course **SI**: Summer Internship
L: Lecture **T**: Tutorial **P**: Practical **D**: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note -1:

1. Each contact hour is a Clock Hour
2. The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete his experiment

Note-2:

* The students have to undergo a Summer Internship of four weeks duration after VI semester and credits will be awarded in VII semester after evaluation.

** Subject is not offered to the students of Automobile, Mechanical and Production Engineering Department.

Open Elective-I:

S.No	Course Code	Course Title
1	OE601CE	Disaster Management
2	OE602CE	Geo Spatial Techniques
3	OE601CS	Operating Systems
4	OE602CS	OOP using Java
5	OE601IT	Database Systems
6	OE601EC	Principles of Embedded Systems
7	OE602EC	Digital System Design using HDL Verilog
8	OE601EE	Reliability Engineering
9	OE602EE	Basics of Power Electronics
10	OE601ME	Industrial Robotics**
11	OE602ME	Material Handling**
12	OE632AE	Automotive Safety & Ergonomics**

Professional Elective – I

S.No	Course Code	Course Title
1	PE611MP	Flexible Manufacturing System
2	PE612ME	Control Systems Theory

Mandatory Course

S.No	Course Code	Course Title
1	MC951SP	Yoga Practice
2	MC952SP	National Service Scheme
3	MC953SP	Sports

IV Year Prodn. 1604-16; 1604-17

CBCS.

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

(CBCS Curriculum for the Academic Year 2019-2020)

and

Syllabi

B.E. VII and VIII Semester

of

Four Year Degree Programme

In

Production Engineering

(With effect from the academic year 2019– 2020)

(As approved in the faculty meeting held on 25-06-2019)

Issued by

Dean, Faculty of Engineering

Osmania University, Hyderabad – 500 007

2019

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VII - Semester
(PRODUCTION ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	**PC 701 MP**	Tool Design	3	1	-	4	30	70	3	3
2	**PC 702 ME**	Finite Element Analysis	3	1	-	4	30	70	3	3
3	**PC 703 ME**	Industrial Engineering	3	-	-	3	30	70	3	3
4	**PC 704 ME**	Production And Operations Management	3	-	-	3	30	70	3	3
5	**HS 901 MB**	Managerial Economics and Accountancy	3	-	-	3	30	70	3	3
6		Open Elective-II								
7		Open Elective-III	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
8	**PC 751 MP**	CAME Lab	-	-	2	2	25	50	3	1
9	**PC 752 ME**	CAE Lab	-	-	2	2	25	50	3	1
10	**PW 761 MP**	Project Work – I	-	-	4	4	50	-	-	2
11	**SI 762 MP**	Summer Internship	`	-	-	-	50	-	-	2
			21	**02**	**08**	**31**	**360**	**590**		**27**

Open Elective – II			**Open Elective – III**		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	**OE 771 CE**	Green Building Technologies	1	**OE 781 CE**	Road Safety Engineering
2	**OE 772 CS**	Data Science Using R Programming	2	**OE 782 IT**	Software Engineering
3	**OE 773 EC**	Fundamentals of IoT	3	**OE 783 EC**	Principles of Electronic Communications
4	**OE 774 EE**	Non-Conventional Energy Sources	4	**OE 784 EE**	Illumination and Electric Traction systems
5	**OE 775 ME****	Entrepreneurship	5	**OE 785 ME****	Mechatronics

PC: Professional Course PE: Professional Elective
L: Lectures T: Tutorials P: Practical D: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

Note-2: * The students have to undergo a Summer Internship of four weeks' duration after VI semester and credits will be awarded in VII semester after evaluation.
** Subject is not offered to the students of Mechanical Engineering Department.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VIII - SEMESTER
(PRODUCTION ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1		Professional Elective – II	3	-	-	3	30	70	3	3
2		Professional Elective – III	3	-	-	3	30	70	3	3
3		Professional Elective – IV	3	-	-	3	30	70	3	3
4		Professional Elective – V	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
5	**PW 961 MP**	Project Work – II	-	-	16	16	50	100	-	8
			12	**-**	**16**	**28**	**170**	**380**		**20**

Professional Elective – II			**Professional Elective – III**		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	**PE 821 ME**	Design of Solar Energy System	1	**PE 822 ME**	Mechanical Vibrations
2	**PE 822 MP**	Total Quality Management	2	**PE 826 MP**	Rapid Prototyping Technologies
3	**PE 823 ME**	Composite Materials	3	**PE 827 ME**	Robotic Engineering
4	**PE 824 ME**	Non-Destructive Testing	4	**PE 829 ME**	Product Design And Process Planning
Professional Elective – IV			**Professional Elective – V**		
1	**PE 831 ME**	Intellectual Property Rights	1	**PE 841 ME**	Energy Conservation and Management
2	**PE 832 MP**	Plastic Engineering and Technology	2	**PE 842 ME**	Advanced Propulsion and Space Science
3	**PE 833 ME**	Machine Tool Engineering and Design	3	**PE 843 ME**	Waste Heat Recovery and Co-Generation
4	**PE 834 ME**	Entrepreneurship Development	4	**PE 844 ME**	Aerodynamic Design of Thermal Turbines

PC: Professional Course PE: Professional Elective
L: Lectures T: Tutorials P: Practical D: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

CIVIL

1604-15.

Non-CBCS

All four year scheme

5. A candidate after he/she been declared successful in the whole examination shall be given certificate setting forth the year of examination, the subjects in which he/she was examined and, the division in which he/she was placed.
6. No candidate shall be allowed to put in attendance for or appear at Examinations for different degrees and different faculties at one and the same time.
7. Students who have appeared once at any examination of the Course, need not put in fresh attendance, if they want to reappear at the corresponding Examinations, notwithstanding the fact that new subjects may have been introduced by the University. They will however, have to appear at the examinations according to the scheme of Examination and Syllabus in force.

PART IX - TRANSITORY REGULATIONS

1. Whenever, course or scheme of instruction is changed in a particular year, two more examinations immediately following thereafter, shall be conducted according to the old syllabus/regulations. Candidates not appearing at the examinations or failing in them shall take the examination subsequently according to the changed syllabus/ regulations.

* * * *

WITH EFFECT FROM THE ACADEMIC YEAR 2014 - 2015

SCHEME OF INSTRUCTION & EXAMINATION

B.E. I - YEAR (FULL TIME)

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	EG 101	English	3	-	3	75	25
2.	MT 101	Mathematics - I	3	-	3	75	25
3.	MT 102	Mathematics - II	3	-	3	75	25
4.	PH 101	Engineering Physics	3	-	3	75	25
5.	CH 101	Engineering Chemistry	3	-	3	75	25
6.	CS 101	Programming in C & C++	3	-	3	75	25
7.	CE 101	Engineering Mechanics	4	-	3	75	25
8.	CE 102	Engineering Graphics	-	6	3	100	50
		PRACTICALS					
1.	PH 132	Physics Lab	-	3	3	50	25
2.	CH 132	Chemistry Lab	-	3	3	50	25
3.	ME 131	Workshop Practice	-	3	3	50	25
4.	CS 131	Programming Lab	-	3	3	50	25
5.	EG 131	English Language Lab	-	2	3	50	25
		TOTAL	**22**	**20**	-	**875**	**350**

P/4 Non-CBCS

WITH EFFECT FROM THE ACADEMIC YEAR 2015 – 2016

SCHEME OF INSTRUCTION & EXAMINATION

B.E. II YEAR

CIVIL ENGINEERING

SEMESTER-I

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration in Hours	Maximum Marks	
			L	D/P/T		Univ. Exam	Sessionals
		THEORY					
1	MT 201	Mathematics-III	4	-	3	75	25
2.	CE 201	Building Planning and Drawing	-	6	3	75	25
3.	CE 202	Engineering Materials & Construction	4	-	3	75	25
4.	CE 203	Engineering Geology	4	-	3	75	25
5.	CE 204	Strength of Materials-I	4	2	3	75	25
6.	CE 205	Surveying -I	4	-	3	75	25
		PRACTICALS					
1.	CE 231	Engineering Geology Laboratory	-	3	3	50	25
2.	CE 232	Surveying -I Lab.	-	3	3	50	25
3.	CE 233	Computer Aided Civil Engineering Drafting Lab.	-	2	-	50	25
		TOTAL	20	16	-	600	225

WITH EFFECT FROM THE ACADEMIC YEAR 2015 - 2016

SCHEME OF INSTRUCTION & EXAMINATION

B.E. II YEAR
CIVIL ENGINEERING

SEMESTER - II

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	CE 251	Strength of Materials-II	4	2	3	75	25
2.	CE 252	Surveying-II	4	-	3	75	25
3.	CE 253	FluidMechanics-I	4	-	3	75	25
4.	CE 222	Environmental Studies**	4	-	3	75	25
5.	EE 271	Electrical and Mechanical Technology					
		Part-A Electrical Technology	3	-	1.5	38 +	12 +
	ME 271	**Part-B** Mechanical Technology	3	-	1.5	37	13
		PRACTICALS					
1.	CE 281	Strength of Materials-Lab.	-	3	3	50	25
2.	CE 282	Surveying-II Lab.	-	3	3	50	25
3.	CE 283	Fluid Mechanics-Lab	-	3	3	50	25
4.	CE 284	Surveying Camp	-	-	-	-	50*
		TOTAL	22	11	-	525	200

* The sessional marks of Surveying Camp (50) will be included in the B.E. III year I Semester memorandum of marks.

** Syllabus given in curriculum of Semester I.

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15-16

With effect from the academic year 2016 - 2017

SCHEME OF INSTRUCTION & EXAMINATION

B.E III YEAR

(CIVIL ENGINEERING)

SEMESTER – I

Sl. No.	Course Code	Course Title	Scheme of Instructions		Scheme of Examination		
			Periods per Week		Duration in Hours	Maximum Marks	
			L	T/D/P		Sessionals	University Exams
1.	CE 301	Reinforced Cement Concrete	4	2	3	25	75
2.	CE 302	Fluid Mechanics-II	4	-	3	25	75
3.	CE 303	Theory of Structures-I	4	2	3	25	75
4.	CE 304	Building Technology and Services	3	2	3	25	75
5.	CE 305	Transportation Engineering	4	-	3	25	75
6.	CM 371	Managerial Economics & Accountancy	4	-	3	25	75
7.	CE 331	Hydraulics and Hydraulic Machinery Lab.	-	3	3	25	50
8.	CE 332	Transportation Engineering Lab.	-	3	3	25	50
9.	CE 333	Surveying Camp**	-	-	-	50*	-
		Total	**23**	**12**		**250**	**550**

L-Lecture, T-Tutorials, D-Drawing, P-Practicals

*Notes: *Only Sessional Marks*

**Survey Camp -To be conducted before commencement of B.E.III-Year class work (i.e. during summer vacation)

Non-CBCS

With effect from the academic year 2016 - 2017

SCHEME OF INSTRUCTION & EXAMINATION

B.E III YEAR

(CIVIL ENGINEERING)

Semester-II

Sl. No.	Course Code	Course Title	Scheme of Instructions		Scheme of Examination		
			Periods per Week			Maximum Marks	
			L	T/D/P	Duration in Hours	Sessionals	University Exams
1.	CE 351	Soil Mechanics	4	-	3	25	75
2.	CE 352	Steel Structures	4	2	3	25	75
3.	CE 353	Theory of Structures-II	4	2	3	25	75
4.	CE 354	Structural Engg. Design & Detailing-I(RCC)	3	2	3	25	75
5.	CE 355	Water Resources Engineering -I	4	-	3	25	75
6.	CE 356	Environmental Engineering	4	-	3	25	75
7.	CE 381	Soil Mechanics Lab.	-	3	3	25	50
8.	CE 382	Environmental Engineering Lab.	-	3	3	25	50
9.	CE 383	Industrial Visit/Study	-	-	-	Gr*	-
		Total	**23**	**12**		**200**	**550**

L-Lecture, T-Tutorials, D-Drawing, P-Practicals

* ***Excellent/ Very Good / Good / Satisfactory/ Unsatisfactory.***

Non CBCS

WITH EFFECT FROM THE ACADEMIC YEAR 2017 – 2018

SCHEME OF INSTRUCTION & EXAMINATION

B. E. IVYEAR

CIVIL ENGINEERING

SEMESTER-I

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration in Hours	Maximum Marks	
			L	D/P/T		Univ. Exam	Sessicnals
		THEORY					
1.	CE 401	Structural Engineering Design and Detailing – II (Steel)	4	2	3	75	25
2.	CE 402	Construction Management & Administration	4	-	3	75	25
3.	CE 403	Foundation Engineering	4	-	3	75	25
4.	CE 404	Water Resources Engineering -II	4	-	3	75	25
5.	CE 405	Concrete Technology	4	-	3	75	25
6.		ELECTIVE-I	4	-	3	75	25
		PRACT1CALS					
7.	CE 431	Concrete Laboratory	-	3	3	50	25
8.	CE 432	Computer Applications Laboratory	-	3	3	50	25
9.	CE 433	Project Seminar	-	2	-	-	25
		TOTAL	**24**	**10**	**-**	**550**	**225**
		TOTAL		**34**			**775**

ELECTIVE-I

CE 406 Finite Element Methods

CE 407 Surface & Ground Water Management

CE 408 Pre-Stressed Concrete

CE 409 Geospatial Systems

ME 404 Operations Research

ME 411 Entrepreneurship

SCHEME OF INSTRUCTION & EXAMINATION

B. E. IVYEAR

CIVIL ENGINEERING

SEMESTER-II

SI. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration in Hours	Maximum Marks	
			L	D/P/T		Univ. Exam	Sessionals
		THEORY					
1.	CE 451	Estimating & Specifications	2	3	3	75	25
2.	CE 452	Disaster Mitigation and Management	4	-	3	75	25
3.		ELECTIVE-II	4	-	3	75	25
4.		ELECTIVE-III	4	-	3	75	25
		PRACT1CALS					
5.	CE 481	Seminar	-	3	-	-	25
6.	CE 482	Project	-	6	Viva	Gr*	50
		Total	**14**	**12**	**-**	**300**	**175**
		TOTAL		**26**			**475**

**Excellent/Very Good/Satisfactory/Unsatisfactory (E/VG/G/S/US)*

ELECTIVE-II

CE 453 Health Monitoring & Retrofitting of Structures
CE 454 Ground Improvement Techniques
CE 455 Advanced Environmental Engineering
CE 456 Advanced Reinforced Concrete Design
CE 457 Advanced Transportation Engineering

ELECTIVE-III

CE 458 Ground Water Hydrology
CE 459 Elements of Earthquake Engineering
CE 460 Infrastructure Engineering
CS 403 Information Security
LA 454 Intellectual Property Rights

CSE - I Year, Year wise.

1604-15 — All Four Years. Scheme

Non CBCS.

Faculty of Engineering
Scheme of Instruction and Syllabi
of

BE I[st] YEAR

OF

FOUR YEAR DEGREE COURSE

(Common to all Branches)

(With effect from the Academic Year 2014-2015)

September, 2014
Osmania University
Hyderabad - 500 007.

CSE I Year - Year wise

1604-15 - w.e.f. 2014-15

5. A candidate after he/she been declared successful in the whole examination shall be given certificate setting forth the year of examination, the subjects in which he/she was examined and, the division in which he/she was placed.
6. No candidate shall be allowed to put in attendance for or appear at Examinations for different degrees and different faculties at one and the same time.
7. Students who have appeared once at any examination of the Course, need not put in fresh attendance, if they want to reappear at the corresponding Examinations, notwithstanding the fact that new subjects may have been introduced by the University. They will however, have to appear at the examinations according to the scheme of Examination and Syllabus in force.

PART IX - TRANSITORY REGULATIONS

1. Whenever, course or scheme of instruction is changed in a particular year, two more examinations immediately following thereafter, shall be conducted according to the old syllabus/regulations. Candidates not appearing at the examinations or failing in them shall take the examination subsequently according to the changed syllabus/ regulations.

* * * *

WITH EFFECT FROM THE ACADEMIC YEAR 2014 - 2015

SCHEME OF INSTRUCTION & EXAMINATION

B.E. I - YEAR (FULL TIME)

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	EG 101	English	3	-	3	75	25
2.	MT 101	Mathematics - I	3	-	3	75	25
3.	MT 102	Mathematics - II	3	-	3	75	25
4.	PH 101	Engineering Physics	3	-	3	75	25
5.	CH 101	Engineering Chemistry	3	-	3	75	25
6.	CS 101	Programming in C & C++	3	-	3	75	25
7.	CE 101	Engineering Mechanics	4	-	3	75	25
8.	CE 102	Engineering Graphics	-	6	3	100	50
		PRACTICALS					
1.	PH 132	Physics Lab	-	3	3	50	25
2.	CH 132	Chemistry Lab	-	3	3	50	25
3.	ME 131	Workshop Practice	-	3	3	50	25
4.	CS 131	Programming Lab	-	3	3	50	25
5.	EG 131	English Language Lab	-	2	3	50	25
		TOTAL	**22**	**20**	**-**	**875**	**350**

SCHEME OF INSTRUCTION & EXAMINATION
B.E. II YEAR
COMPUTER SCIENCE & ENGINEERING

SEMESTER - I

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	MT 201	Mathematics-III	4	-	3	75	25
2.	CS 201	Data Structures using C++	4	-	3	75	25
3.	CS 202	Discrete Structures	4	-	3	75	25
4.	CS 203	Logic and Switching Theory	4	-	3	75	25
5.	CS 204	Computer Architecture	4	-	3	75	25
6.	EC 222	Basic Electronics	4	-	3	75	25
		PRACTICALS					
1.	CS 231	Data Structures Lab using C++	-	3	3	50	25
2.	EC 242	Basic Electronics Lab	-	3	3	50	25
		TOTAL	**24**	**6**	**24**	**550**	**200**

MT 201

MATHEMATICS-III
(Common to all Branches)

Instruction	4	Periods per week
Duration of University Examination	3	Hours
University Examination	75	Marks
Sessional	25	Marks

UNIT-I

Partial differential Equations : Formation of partial-differential equation of first order-Lagrange's solution, Standard types-Charpit's method of solution-partial differential equations of higher order, Monge's method.

UNIT-II

Fourier Series : Expansion of a function in Fourier series for a given range-odd and even functions of Fourier series-change of interval-Applications of Fourier series-square wave forms-saw tooth wave form and modified square saw tooth wave form-half range sine and cosine expansions-complex Fourier series.

UNIT-III

Applications of Partial differential equations : Solution of wave equation, hear equation and Laplace's equation by the method of separation of variables and their use in problems of vibrating string, one dimensional unsteady heat flow and two dimensional steady state hear flow.

UNIT-IV

Numerical methods : Solutions of Algebraic and Transcendental equations - Bisection method, Regula-Falsi method and Newton-Raphson's method-Solution of Linear system of equations, Gauss elimination method, Gauss Seidel iterative method, ill conditioned equations and refinement of solutions, Interpolation, Newton's divided difference interpolation-Numerical differentiation, Solution of differential equations by Euler's method, modified Euler's method and Runge-Kutta Method of 4th order.

M.J.C.E.T

With effect from Academic Year 2015-2016

SCHEME OF INSTRUCTION & EXAMINATION

B.E. II YEAR (COMPUTER SCIENCE & ENGINEERING)

SEMESTER - II

S. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration in Hours	Maximum Marks	
			L/T	D/P		Univ. Exam	Sessionals
	THEORY						
1	MT 251	Mathematics-IV	4	-	3	75	25
2	CS 251	Object Oriented Programming Using Java	4	-	3	75	25
3	CS 252	Microprocessors & Interfacing	4	-	3	75	25
4	CS 253	Principles of Programming Languages	4	-	3	75	25
5	EE 221	Electrical Circuits and Machines	4	-	3	75	25
6	CE 222	Environmental Studies	4	-	3	75	25
	PRACTICALS						
1	CS 281	JAVA Lab	-	3	3	50	25
2	CS 282	Microprocessors Lab	-	3	3	50	25
		TOTAL	**24**	**6**	**24**	**550**	**200**

Date: 30-03-2016

WITH EFFECT FROM THE ACADEMIC YEAR 2016 - 2017

SCHEME OF INSTRUCTION & EXAMINATION

B.E. IIIrd YEAR
(COMPUTER SCIENCE & ENGINEERING)

SEMESTER - I

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration	Maximum Marks	
			L	D/P	In Hours	Univ. Exam	Sessionals
		THEORY					
1.	CS 301	Database Management Systems	4	-	3	75	25
2.	CS 302	Operating Systems	4	-	3	75	25
3.	CS 303	Automata, Languages and Computation	4	-	3	75	25
4.	CS 304	Software Engineering	4	-	3	75	25
5.	CM 371	Managerial Economics and Accountancy	4	-	3	75	25
6.	CS 306	Data Communications	4	-	3	75	25
		PRACTICALS					
1.	CS 331	DBMS Lab	-	3	3	50	25
2.	CS 332	OS Lab	-	3	3	50	25
3.	CS 333	Mini Project	-	3	-	-	25
		Total	**24**	**9**	**24**	**550**	**225**

WITH EFFECT FROM THE ACADEMIC YEAR 2016 - 2017

SCHEME OF INSTRUCTION & EXAMINATION

B.E. IIIrd YEAR
(COMPUTER SCIENCE & ENGINEERING)

SEMESTER - II

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration	Maximum Marks	
			L	D/P	In Hours	Univ. Exam	Sessional
		THEORY					
1.	CS 351	Web Programming & Services	4	-	3	75	25
2.	CS 352	Compiler Construction	4	-	3	75	25
3.	CS 356	Design and Analysis Of Algorithms	4	-	3	75	25
4.	CS 354	Object Oriented System Development	4	-	3	75	25
5.	CS 355	Computer Networks	4	-	3	75	25
		PRACTICALS					
1.	CS 381	WPS & CN Lab	-	3	3	50	25
2.	CS 382	OOSD Lab	-	3	3	50	25
3.	CS 383	Compiler Construction Lab	-	3	3	50	25
4.	CS 384	Mini Project	-	3	-	-	25
		Total	**20**	**12**	**24**	**525**	**225**

SCHEME OF INSTRUCTION & EXAMINATION

B.E. IV - YEAR
(COMPUTER SCIENCE & ENGINEERING)

SEMESTER - I

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction: Periods per week L	Scheme of Instruction: Periods per week D/P	Scheme of Examination: Duration In Hours	Scheme of Examination: Maximum Marks: Univ. Exam	Scheme of Examination: Maximum Marks: Sessionals
		THEORY					
1	CS 401	Distributed Systems	4	-	3	75	25
2	CS 402	Artificial Intelligence	4	-	3	75	25
3	CS 403	Information Security	4	-	3	75	25
4	CS 404	Principles & Applications of Embedded Systems	4	-	3	75	25
5		ELECTIVE-I	4	-	3	75	25
		PRACTICALS					
1	CS 431	Distributed Systems Lab.	-	3	3	50	25
2	CS 432	Embedded Systems Lab.	-	3	3	50	25
3	CS 433	Project Seminar	-	3	3	-	25
		Total	**20**	**9**	—	**475**	**200**

ELECTIVE-I

CS 411 Software Project Management
CS 412 Computer Graphics
CS 413 Image Processing
CS 414 Adhoc and Sensor Networks
CS 415 Soft Computing
CS 416 Mobile Computing
CS 417 Real Time Systems

CS 401

DISTRIBUTED SYSTEMS

Instruction	4 Periods per week
Duration of University Examination	3 Hours
University Examination	75 Marks
Sessional	25 Marks

UNIT-I

Characterization of Distributed Systems

Introduction, Examples of distributed systems, Resource sharing and the web, Challenges.

System Models

Introduction, Architectural models, Fundamental models.

Operating System Support

The operating system layer, Protection, Processes and threads, Communication and invocation, Operating system architecture.

UNIT-II

Interprocess communication: Introduction, The API for the internet protocols, External data representation and marshalling.

Client Server communication: Group Communication, Case study: Interprocess communication in UNIX.

Distributed objects and Remote Invocation: Introduction, Communication between distributed objects, Remote procedure call, Events and notifications, Case study: Java RMI.

Name Services : Introduction, Name services and the Domain Name System, Directory services, Case study of the X.500 Directory Service.

UNIT-III

Time and Global States

Introduction, Clocks , Events and process states, Synchronizing physical clocks, Logical clocks, Global states, Distributed debugging.

Coordination and Agreement

Introduction, distributed mutual exclusion, Election, Multicast communication, Consensus and related problems.

M.J.C.E.T

CS 433

PROJECT SEMINAR

Instruction 3 Periods per week
Sessional 25 Marks

The department can initiate the project allotment procedure at the end of III year 2nd semester and finalize it in the first two weeks of IV year Ist semester.

First 4 weeks of IV year Ist semester will be spent on special lectures by faculty members, research scholars, postgraduate students of the department and invited lecturers by engineers from industries and R&D institutions. The objective of these preliminary talks will be to expose the students to real life practical problems and methodology to solve the technical problems.

Seminar schedule will be prepared by the coordinator for all the students from 5th week to the last week of the seminar which should be strictly adhered to.

Each student will be required to :

1. Submit a one page synopsis before the seminar for display on notice board.
2. Give a 20 minute presentation followed by 10 minutes discussion.
3. Submit a technical write-up on the tal.

Atleast two teachers will be associated with the Project Seminar to evaluate students for the award of sessional marks which will be on the basis of performance in all the 3 items stated above.

The seminar presentation should include the following components of the project :

- Problem definition and specification.
- Literature survey, familiarity with research journals.
- Broad knowledge of available techniques to solve a particular problem.
- Planning of the work, preparation of bar (activity) charts
- Presentation - oral and written.

Note : Three periods of contact load will be assigned to each project guide.

SCHEME OF INSTRUCTION & EXAMINATION

B.E. IV - YEAR
(COMPUTER SCIENCE & ENGINEERING)

SEMESTER - II

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction: Periods per week L	Scheme of Instruction: Periods per week D/P	Scheme of Examination: Duration In Hours	Scheme of Examination: Maximum Marks: Univ. Exam	Scheme of Examination: Maximum Marks: Sessionals
		THEORY					
1	CS 451	Data Mining	4	-	3	75	25
2		ELECTIVE –II	4	-	3	75	25
3		ELECTIVE-III	4	-	3	75	25
		PRACTICALS					
1	CS 481	Data Mining lab	-	3	3	50	25
2	CS 482	Seminar	-	3	-	-	25
3	CS 483	Project	-	6	Viva Voce	Gr*	50
		Total	**12**	**12**	—	**275**	**175**

**Excellent/Very Good/ Good/Satisfactory/Unsatisfactory*

ELECTIVE-II

CS 461 Simulation & Modeling
ME 404 Operations Research
CS 463 Software Quality and Testing
CS 464 Information Storage and Management
CS 465 Human Computer Interaction
CS 466 Software Reuse Techniques
ME 411 Entrepreneurship

ELECTIVE-III

CS 471 Information Retrieval Systems
CS 472 Semantic Web
LA 454 Intellectual Property Rights
CS 474 Advanced Databases
CS 475 Multimedia Systems
CS 476 Cloud Computing
CE 452 Disaster Mitigation and Management

M.J.C.E.T.

ECE Non-CBCS 1604-15

All four years Scheme

WITH EFFECT FROM THE ACADEMIC YEAR 2014 - 2015

SCHEME OF INSTRUCTION & EXAMINATION
B.E. I - YEAR (FULL TIME)

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessi-onals
		THEORY					
1.	EG 101	English	3	-	3	75	25
2.	MT 101	Mathematics - I	3	-	3	75	25
3.	MT 102	Mathematics - II	3	-	3	75	25
4.	PH 101	Engineering Physics	3	-	3	75	25
5.	CH 101	Engineering Chemistry	3	-	3	75	25
6.	CS 101	Programming in C & C++	3	-	3	75	25
7.	CE 101	Engineering Mechanics	3	-	3	75	25
8.	CE 102	Engineering Graphics	3	6	3	100	25
		PRACTICALS					
1.	PH 132	Physics Lab.	-	3	3	50	25
2.	CH 132	Chemistry Lab	-	3	3	50	25
3.	ME 131	Workshop Practice	-	3	3	50	25
4.	CS 131	Programming Lab	-	3	3	50	25
5.	EG 131	English Language Lab	-	2	3	50	25
		TOTAL	**21**	**20**	**-**	**875**	**350**

ECE Non CBCS 1604-15

WITH EFFECT FROM THE ACADEMIC YEAR 2015-2016

SCHEME OF INSTRUCTION AND EXAMINATION
BE II YEAR
(ELECTRONCIS AND COMMUNICATION ENGINEERING)

SEMESTER – I

S.No.	Code No.	Subject	Scheme of Instruction		Scheme of Examination		
					Duration in Hours	Max. Marks	
		THEORY	L/T	D/P		Univ. Exams	Sessionals
1	MAT 202	Applied Mathematics	4	-	3	75	25
2	EC 201	Basic Circuit Analysis	4	-	3	75	25
3	EC 202	Electromagnetic Theory	4	-	3	75	25
4	EC 203	Electronic Devices	4	-	3	75	25
5	ME 221	Elements of Mechanical Engineering	4	-	3	75	25
6	EE 222	Electrical Technology	4	-	3	75	25
		PRACTICALS					
1	EC 231	Electronic Devices Lab	-	3	3	50	25
2	EC 232	Electronic Workshop and Simulation Lab	-	3	3	50	25
		TOTAL	**24**	**6**		**550**	**200**

SCHEME OF INSTRUCTION AND EXAMINATION
BE II YEAR
(SERVICE COURSES OFFERED TO OTHER DEPARTMENTS)

SEMESTER – I

S.No.	Code No.	Subject	Scheme of Instruction		Scheme of Examination		
					Duration in Hours	Max. Marks	
		THEORY	L/T	D/P		Univ. Exams	Sessionals
1	EC 221	Electronics Engineering – I (for EEE and EIE)	4	-	3	75	25
2	EC 222	Basic Electronics (for CSE)	4	-	3	75	25
		PRACTICALS					
1	EC 241	Electronics Engineering - I Lab (for EEE and EIE)	-	3	3	50	25
2	EC 242	Basic Electronics Lab (for CSE)	-	3	3	50	25
		TOTAL	**8**	**6**		**250**	**100**

SCHEME OF INSTRUCTION AND EXAMINATION
BE II YEAR
(ELECTRONCIS AND COMMUNICATION ENGINEERING)

SEMESTER – II

S.No.	Code No.	Subject	Scheme of Instruction		Scheme of Examination		
					Duration in Hours	Max. Marks	
		THEORY	L/T	D/P		Univ. Exams	Sessionals
1	EC 251	Analog Electronic Circuits	4	-	3	75	25
2	EC 252	Networks and Transmission Lines	4	-	3	75	25
3	EC 253	Probability Theory and Stochastic Processes	4	-	3	75	25
4	EC 254	Signal Analysis and Transform Techniques	4	-	3	75	25
5	EC 255	Switching Theory and Logic Design	4	-	3	75	25
6	CE 222	Environmental Studies	4	-	3	75	25
		PRACTICALS					
1	EC 281	Analog Electronic Circuits Lab	-	3	3	50	25
2	EE 292	Electrical Technology Lab	-	3	3	50	25
		TOTAL	**24**	**6**		**550**	**200**

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

and

Syllabi

B.E III Year

of

Four Year Degree Programme

in

Electronics and Communication Engineering

(With effect from the academic year 2016-17)

(As approved in Faculty Meeting held on 18 June 2016)

Issued by

Dean, Faculty of Engineering

Osmania University, Hyderabad

Scanned by CamScanner

With effect from Academic Year 2016-17

SCHEME OF INSTRUCTION AND EXAMINATION

BE III YEAR

(Electronics and Communication Engineering)

SEMESTER – I

Sl. No.	Course Code	Course Title	Scheme of Instructions		Scheme of Examination		
			Periods per Week		Duration in Hours	Maximum Marks	
			L	T/D/P		Sessionals	University Exams
1.	EC 301	Linear ICs and Application	4	-	3	25	75
2.	EC 302	Pulse and Digital Circuits	4	-	3	25	75
3.	EC 303	Analog Communication	4	-	3	25	75
4.	EC 304	Automatic Control Systems	4	-	3	25	75
5.	EC 305	Computer Organization and Architecture	4	-	3	25	75
6.	EC 306	Digital System Design with VERILOG HDL	4	-	3	25	75
7.	EC 331	Pulse, Digital and Integrated Circuits Lab.	-	3	3	25	50
8.	EC 332	VERILOG HDL Lab.	-	3	3	25	50
		TOTAL	**24**	**6**	**-**	**200**	**550**

L-Lecture, T-Tutorials, D-Drawing, P-Practicals

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SCHEME OF INSTRUCTION AND EXAMINATION

BE III YEAR

(Electronics and Communication Engineering)

SEMESTER – II

Sl. No.	Course Code	Course Title	Scheme of Instructions		Scheme of Examination		
			Periods per Week		Duration in Hours	Maximum Marks	
			L	T/D/P		Sessionals	University Exams
1.	EC 351	Digital Communication	4	-	3	25	75
2.	EC 352	Digital Signal Processing	4	-	3	25	75
3.	EC 353	Antenna and Wave Propagation	4	-	3	25	75
4.	EC 354	Microprocessor and Microcontroller	4	-	3	25	75
5.	CM 371	Managerial Economics and Accountancy	4	-	3	25	75
6.	EC 381	Communication Lab.	-	3	3	25	50
7.	EC 382	Systems and Signal Processing Lab.	-	3	3	25	50
8.	EC 383	MPMC Lab.	-	3	3	25	50
9.	EC 384	Industrial Visit/Study	-	-	-	Grade	-
		TOTAL	**20**	**9**	**-**	**200**	**525**

L-Lecture, T-Tutorials, D-Drawing, P-Practicals

**EXCELLENT/VERY GOOD/GOOD/SATISFACTORY/UNSATISFACTORY*

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SCHEME OF INSTRUCTION AND EXAMINATION
BE IV YEAR
(Electronics and Communication Engineering)

SEMESTER – I

S.No.	Course Code	Course Title	Scheme of Instruction Periods Per Week		Scheme of Examination		
			L/T	D/P	Duration in Hours	Max. Marks Univ. Exams	Max. Marks Sessionals
1	EC 401	Microwave Engineering	4	-	3	75	25
2	EC 402	VLSI Design	4	-	3	75	25
3	EC 403	Electronic Instrumentation	4	-	3	75	25
4		Elective – I	4	-	3	75	25
5		Elective – II	4	-	3	75	25
6		Industrial Administration and Financial Management	4	-	3	75	25
		PRACTICALS					
1	EC 431	Microwave Lab	-	3	3	50	25
2	EC 432	Embedded C and VLSI Design Lab	-	3	3	50	25
3	EC 433	Project Seminar	-	3	--	--	25
		TOTAL	**24**	**6**		**550**	**225**

	Elective – I		Elective – II
EC 411	Optical Communication	EC 421	Embedded Systems
EC 412	Digital Image Processing	EC 422	Digital Signal Processor & Architecture
EC 413	Multi Rate Signal Processing	EC 423	Optimization Techniques
EC 414	FPGA	EC 424	System Automation and Control
EC 415	Artificial Neural Networks	EC 425	Internet of Things
CS XXX	Information Security	ME XXX	Entrepreneurship

SCHEME OF INSTRUCTION AND EXAMINATION
BE IV YEAR
(ELECTRONCIS AND COMMUNICATION ENGINEERING)

SEMESTER – II

S.No.	Code No.	Subject	Scheme of Instruction		Scheme of Examination		
					Duration in Hours	Max. Marks	
		THEORY	L/T	D/P		Univ. Exams	Sessionals
1	EC 451	Data Communication Computer Networks	4	-	3	75	25
2		Elective – III	4	-	3	75	25
3		Elective – IV	4	-	3	75	25
		PRACTICALS					
1	EC 481	General Seminar	-	3	--	--	25
2	EC 482	Project	-	6	Viva-voce	Grade	50
		TOTAL	**12**	**9**		**225**	**150**

	Elective – III		Elective – IV
EC 461	Real Time Operating System	EC 471	Nano Electronics
EC 462	Coding Theory and Techniques	EC 472	Global Navigational Satellite Systems
EC 463	Design of Fault Tolerant Systems	EC 473	Fuzzy Logic and Applications
EC 464	Radar Systems	EC 474	Wireless Sensor Networks
EC 465	Mobile and Cellular Communication	EC475	EMIC
EC 466	System Verilog	EC 476	Speech Signal Processing
EC 467	Analog VLSI Design	EC 477	Advanced Digital Design
		EC 478	Scripting Language
LA XXX	Intellectual Property Rights	CE XXX	Disaster Mitigation and Management

EEE. All four year Scheme

1604-15

Non-CBCS

5. A candidate after he/she been declared successful in the whole examination shall be given certificate setting forth the year of examination, the subjects in which he/she was examined and, the division in which he/she was placed.
6. No candidate shall be allowed to put in attendance for or appear at Examinations for different degrees and different faculties at one and the same time.
7. Students who have appeared once at any examination of the Course, need not put in fresh attendance, if they want to reappear at the corresponding Examinations, notwithstanding the fact that new subjects may have been introduced by the University. They will however, have to appear at the examinations according to the scheme of Examination and Syllabus in force.

PART IX - TRANSITORY REGULATIONS

1. Whenever, course or scheme of instruction is changed in a particular year, two more examinations immediately following thereafter, shall be conducted according to the old syllabus/regulations. Candidates not appearing at the examinations or failing in them shall take the examination subsequently according to the changed syllabus/ regulations.

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SCHEME OF INSTRUCTION & EXAMINATION

B.E. I - YEAR (FULL TIME)

SEMESTER - I

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	EG 101	English	3	-	3	75	25
2.	MT 101	Mathematics - I	3	-	3	75	25
3.	MT 102	Mathematics - II	3	-	3	75	25
4.	PH 101	Engineering Physics	3	-	3	75	25
5.	CH 101	Engineering Chemistry	3	-	3	75	25
6.	CS 101	Programming in C & C++	3	-	3	75	25
7.	CE 101	Engineering Mechanics	3	-	3	75	25
8.	CE 102	Engineering Graphics	-	6	3	100	50
		PRACTICALS					
1.	PH 132	Physics Lab	-	3	3	50	25
2.	CH 132	Chemistry Lab	-	3	3	50	25
3.	ME 131	Workshop Practice	-	3	3	50	25
4.	CS 131	Programming Lab	-	3	3	50	25
5.	EG 131	English Language Lab	-	2	3	50	25
		TOTAL	**21**	**20**	**-**	**875**	**350**

M.J.C.E.T.

SCHEME OF INSTRUCTION & EXAMINATION

B.E. II YEAR ELECTRICAL & ELECTRONICS ENGINEERING

SEMESTER - I

Sl.No.	Syllabus Ref. No.	Subject	Scheme of Instruction		Scheme of Examination		
			Periods per Week		Duration in Hrs	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	MT 201	Mathematics - III	4	-	3	75	25
2.	EE 201	Electrical Circuits - I	4	-	3	75	25
3.	CE 222	Environmental Studies	4	-	3	75	25
4.	EE 204	Electrical Measurements and Instrumentation	4	-	3	75	25
5.	EC 221	Electronic Engg. - I	4	-	3	75	25
6.	ME 223	Principles of Mechanical Engineering	4	-	3	75	25
		PRACTICALS					
1.	EC 241	Electronic Engg. Lab. - I	-	3	3	50	25
2.	EE 242	Circuits and Measurements Lab	-	3	3	50	25
		Total	**24**	**6**	**-**	**550**	**200**

WITH EFFECT FROM THE ACADEMIC YEAR 2015-2016

SCHEME OF INSTRUCTION & EXAMINATION

B.E. II YEAR ELECTRICAL & ELECTRONICS ENGINEERING

SEMESTER - II

Sl. No.	Syllabus Ref. No.	Subject	Scheme of Instruction		Scheme of Examination		
			Periods per Week		Duration in Hrs	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	EE 251	Electrical Circuits - II	4	-	3	75	25
2.	CE 223	Solid Mechanics	4	-	3	75	25
3.	EE 253	Power Systems - I	4	-	3	75	25
4.	EC 271	Electronic Engineering - II	4	-	3	75	25
5.	EE 252	Electromagnetic Fields	4	-	3	75	25
6.	EE 254	Electrical Machines - I	4	-	3	75	25
		PRACTICALS					
1.	EC 291	Electronic Engg. Lab - II	-	3	3	50	25
2.	ME 291	Mechanical Technology Lab	-	3	3	50	25
		Total	**24**	**6**	**-**	**550**	**200**

SCHEME OF INSTRUCTION AND EXAMINATION
B.E III YEAR
Electrical and Electronics Engineering

SEMESTER-I

Sl. No	Course Code	Course Title	Scheme of Instruction		Scheme of Examination		
			Periods per Week		Duration in Hours	Maximum Marks	
			L/T	D/P		Sessionals	University Exam
1.	EE 301	Power Systems – II	4	-	3	25	75
2.	EE 302	Electrical Machinery – II	4/1	-	3	25	75
3.	EE 303	Power Electronics	4/1	-	3	25	75
4.	EE 304	Digital Electronics and Logic Design	4	-	3	25	75
5.	EE 305	Linear Integrated Circuits	4	-	3	25	75
6.	EE 306	Linear Control Systems	4/1	-	3	25	75
7.	EE 331	Electrical Machines Lab-I	-	3	3	25	50
8.	EE 332	Control Systems Lab	-	3	3	25	50
		Total	**24/3**	**6**	**-**	**200**	**550**

SCHEME OF INSTRUCTION AND EXAMINATION
B.E III YEAR
Electrical and Electronics Engineering

SEMESTER-II

Sl. No	Course Code	Course Title	Scheme of Instruction		Scheme of Examination		
			Periods per Week		Duration in Hours	Maximum Marks	
			L/T	D/P		Sessionals	University Exam
1.	EE 351	Digital Signal Processing	4	-	3	25	75
2.	EE 352	Electrical Machinery – III	4/1	-	3	25	75
3.	EE 353	Switchgear and Protection	4	-	3	25	75
4.	EE 354	Microprocessors and Microcontrollers	4	-	3	25	75
5.	CM 371	Managerial Economics and Accountancy	4	-	3	25	75
6.	EE 381	Electrical Machines Lab-II	-	3	3	25	50
7.	EE 382	Power Electronics Lab	-	3	3	25	50
8.	EE 383	Integrated Circuits Lab	-	3	3	25	50
9.	EE 384	Industrial Visit	-	-	-	-	*Grade
		Total	**20/1**	**9**	**-**	**200**	**525**

*Excellent /Very Good/Good /Satisfactory /Unsatisfactory
Minimum two visits to the Industries.

SCHEME OF INSTRUCTION & EXAMINATION

B.E. IV - YEAR
(ELECTRICAL & ELECTRONICS ENGINEERING)

SEMESTER - I

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	EE 401	Power System Operation and Control.	4	-	3	75	25
2.	EE 402	Electric Drives and Static Control.	4	-	3	75	25
3.	EE 403	Electrical Machine Design.	4	-	3	75	25
4.		ELECTIVE - I	4	-	3	75	25
		PRACTICALS					
1.	EE 431	Electrical Simulation Lab.	-	3	3	50	25
2.	EE 432	Microprocessors and Microcontrollers Lab	-	3	3	50	25
3.	EE 433	Power Systems Lab	-	3	3	50	25
4.	EE 434	Project Seminar	-	3	3	-	25
		Total	**16**	**12**	**24**	**450**	**200**

ELECTIVE – I

EE 411 High Voltage DC Transmission
EE 412 High Voltage Engg.
EE 413 Power Quality
EE 414 Nuclear Energy
ME 411 Entrepreneurship
CS 403 Information Security
CS 467 Embedded Systems

EE 401

POWER SYSTEM OPERATION AND CONTROL

Instruction	4 Periods per week
Duration of University Examination	3 Hours
University Examination	75 Marks
Sessional	25 Marks

UNIT-I

Load Flow Studies: Formulation of Y bus for a system, modeling of tap changing and phase shifting transformer, Formulation of load flow problem, Solution of load flow by Gauss-Seidel, Newton-Raphson, Decoupled and Fast Decoupled methods, comparison of different load flow methods.

UNIT-II

Economic Operation of Power System: Input-Output curves, Heat rates and incremental cost curves, Equal Incremental cost criterion neglecting transmission losses with and without generator limits, B_{mn} coefficients, Economic operation including transmission losses.

UNIT-III

Load Frequency Control: Governor Characteristics, Regulation of two generators, coherency, concept of control area, Incremental power balance of a control area, Single area control, Flat frequency control, Flat tie-line frequency control, Tie-line bias control, Advantages of pool operation, Development of model for two-area control.

UNIT-IV

Power System Stability: Definitions of Steady state stability and Transient stability, Steady state stability of a synchronous machine connected to infinite bus, calculation of steady state stability limit, synchronous machine models with and without saliency, Equal area criterion, Application of equal area criterion, Swing equation, Step by step solution of Swing equation, factors effecting transient stability, Auto Reclosures, mathematical formulation of voltage stability problem.

M.J.C.E.T.

WITH EFFECT FROM THE ACADEMIC YEAR 2013 - 2014

SCHEME OF INSTRUCTION & EXAMINATION

B.E. IV - YEAR
(ELECTRICAL & ELECTRONICS ENGINEERING)

SEMESTER - II

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	EE 451	Utilization	4	-	3	75	25
2.		ELECTIVE – II	4	-	3	75	25
3.		ELECTIVE - III	4	-	3	75	25
4.	ME 472	Industrial Administration and Financial Management	4	-	3	75	25
		PRACTICALS					
1.	EE 481	Digital Signal Processing Lab	-	3	3	50	25
2.	EE 482	Project	-	6	Viva Voce	Gr*	50
3.	EE 483	Seminar	-	3	3	-	25
		Total	**16**	**12**	**18**	**350**	**200**

NOTE: * Excellent / Very Good / Good / Satisfactory / Unsatisfactory

ELECTIVE-II

EE 461 Electrical Power Distribution Engineering.
EE 462 Advanced Control Systems
EE 463 Optimization Methods
EC 402 VLSI Design
LA 454 Intellectual Property Rights
CE 452 Disaster Mitigation and Management

ELECTIVE-III

EE 471 Renewable Energy Sources
EE 472 Transducers
EE 473 Power System Reliability
EE 452 Electronic Instrumentation Systems
CS 413 Image Processing
CS 415 Soft Computing

M.J.C.E.T

E/E All four year scheme

1604-15

Non-CBCS

5. A candidate after he/she been declared successful in the whole examination shall be given certificate setting forth the year of examination, the subjects in which he/she was examined and, the division in which he/she was placed.
6. No candidate shall be allowed to put in attendance for or appear at Examinations for different degrees and different faculties at one and the same time.
7. Students who have appeared once at any examination of the Course, need not put in fresh attendance, if they want to reappear at the corresponding Examinations, notwithstanding the fact that new subjects may have been introduced by the University. They will however, have to appear at the examinations according to the scheme of Examination and Syllabus in force.

PART IX - TRANSITORY REGULATIONS

1. Whenever, course or scheme of instruction is changed in a particular year, two more examinations immediately following thereafter, shall be conducted according to the old syllabus/regulations. Candidates not appearing at the examinations or failing in them shall take the examination subsequently according to the changed syllabus/ regulations.

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SCHEME OF INSTRUCTION & EXAMINATION

B.E. I - YEAR (FULL TIME)

SEMESTER - I

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	EG 101	English	3	-	3	75	25
2.	MT 101	Mathematics - I	3	-	3	75	25
3.	MT 102	Mathematics - II	3	-	3	75	25
4.	PH 101	Engineering Physics	3	-	3	75	25
5.	CH 101	Engineering Chemistry	3	-	3	75	25
6.	CS 101	Programming in C & C++	3	-	3	75	25
7.	CE 101	Engineering Mechanics	3	-	3	75	25
8.	CE 102	Engineering Graphics	-	6	3	100	50
		PRACTICALS					
1.	PH 132	Physics Lab	-	3	3	50	25
2.	CH 132	Chemistry Lab	-	3	3	50	25
3.	ME 131	Workshop Practice	-	3	3	50	25
4.	CS 131	Programming Lab	-	3	3	50	25
5.	EG 131	English Language Lab	-	2	3	50	25
		TOTAL	**21**	**20**	**-**	**875**	**350**

M.J.C.E.T.

4 - 2 Sem missing.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. II YEAR ELECTRONICS AND INSTRUMENTATION ENGINEERING

SEMESTER – I

Sl. No.	Syllabus Ref. No.	Subject	Scheme of Instruction		Scheme of Examination		
			Periods per Week		Duration in Hrs	Maximum Marks	
			L/T	D/P		Univ. Exam	Sessionals
		THEORY					
1.	MT 201UE	Mathematics - III	4	-	3	75	25
2.	CE 222	Environmental Studies	4	-	3	75	25
3.	EE 203	Network Theory	4	-	3	75	25
4.	EE 204	Electrical Measurements and Instrumentation	4	-	3	75	25
5.	EC 221	Electronic Engg. - I	4	-	3	75	25
6.	ME 272	Elements of Production Techniques	4	-	3	75	25
		PRACTICALS					
1.	EE 242	Circuits and Measurements Lab	-	3	3	50	25
2.	EC 241	Electronic Engg – I Lab	-	3	3	50	25
		Total	**24**	**6**	**-**	**550**	**200**

WITH EFFECT FROM THE ACADEMIC YEAR 2015-2016

SCHEME OF INSTRUCTION & EXAMINATION

B.E. II YEAR ELECTRICAL & ELECTRONICS ENGINEERING

SEMESTER - II

SI. No.	Syllabus Ref. No.	Subject	Scheme of Instruction		Scheme of Examination		
			Periods per Week		Duration in Hrs	Maximum Marks	
			L/T	D/P		Univ. Exam	Sessionals
		THEORY					
1.	CE 223	Solid Mechanics	4	-	3	75	25
2.	EE 252	Electromagnetic Fields	4	-	3	75	25
3.	EE 256	Electrical Machines	4	-	3	75	25
4.	EE 257	Transducer Engineering	4	-	3	75	25
5.	ME 272	Thermodynamics and Fluid Mechanics	4	-	3	75	25
6.	EC 271	Electronic Engineering – II	4	-	3	75	25
		PRACTICALS					
1.	ME 291	Mechanical Technology Lab	-	3	3	50	25
2.	EC 291	Electronic Engg – II Lab	-	3	3	50	25
		Total	**24**	**6**	**-**	**550**	**200**

With effect from 2016-17

SCHEME OF INSTRUCTION AND EXAMINATION
B.E III/IV
Electronic and Instrumentation Engineering

SEMESTER-I

Sl. No	Course Code	Course Title	Scheme of Instruction		Scheme of Examination		
			Periods per Week		Duration in Hours	Maximum Marks	
			L/T	D/P		Sessionals	University Exam
1.	EE 303	Power Electronics	4	-	3	25	75
2.	EE 304	Digital Electronics and Logic Design	4	-	3	25	75
3.	EE 305	Linear Integrated Circuits	4	-	3	25	75
4.	EE 306	Linear Control Systems	4	-	3	25	75
5.	EE 311	Instrumentation Systems	4	-	3	25	75
6.	EE 312	Signal and Systems	4	-	3	25	75
7.	EE 382	Transducers Lab	-	3	3	25	50
8.	EE 383	Integrated Circuits Lab		3	3	25	50
		Total	**24**	**6**		**200**	**550**

SCHEME OF INSTRUCTION AND EXAMINATION
B.E. III YEAR
Electronics and Instrumentation Engineering

SEMESTER-II

Sl. No	Course Code	Course Title	Scheme of Instruction		Scheme of Examination		
			Periods per Week		Duration in Hours	Maximum Marks	
			L/T	D/P		Sessionals	University Exam
1.	EE 351	Digital Signal Processing	4	-	3	25	75
2.	EE 354	Microprocessors and Microcontrollers	4	-	3	25	75
3.	EE 356	Power Plant Instrumentation	4	-	3	25	75
4.	EE 357	Process Control	4	-	3	25	75
5.	EE 358	Biomedical Instrumentation	4	-	3	25	75
6.	CM 371	Managerial Economics and Accountancy	4	-	3	25	75
7.	EE 382	Power Electronics Lab	-	3	3	25	50
8.	EE 332	Control System Lab	-	3	3	25	50
9.	EE 384	Industrial Visit	-	-	-	*Grade	-
		Total	**24**	**6**		**175**	**550**

*Excellent /Very Good/Good /Satisfactory /Unsatisfactory

SCHEME OF INSTRUCTION & EXAMINATION

B.E. IV - YEAR
(ELECTRONICS & INSTRUMENTATION ENGINEERING)

SEMESTER - I

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	EE 404	Opto-Electronics Instrumentation	4	-	3	75	25
2.	EE 405	Virtual Instrumentation	4	-	3	75	25
3.	EE 406	Analytical Instrumentation	4	-	3	75	25
4.		ELECTIVE – I	4	-	3	75	25
		PRACTICAL					
1.	EE 435	Instrumentation Simulation Lab	-	3	3	50	25
2.	EE 436	Process Instrumentation Lab	-	3	3	50	25
3.	EE 432	Microprocessors and Microcontrollers Lab	-	3	3	50	25
4.	EE 433	Project Seminar	-	3	3	-	25
		Total	**16**	**12**	**24**	**450**	**200**

Elective – I

EE 415 Automation in Process Control
EE 416 Digital Control System
CS 421 Operating System Concepts
CS 467 Embedded Systems
ME 411 Entrepreneurship
CS 403 Information Security

EE 404

OPTO-ELECTRONICS INSTRUMENTATION

Instruction	4 Periods per week
Duration of University Examination	3 Hours
University Examination	75 Marks
Sessional	25 Marks

UNIT-I

Laser Fundamentals: Mechanisms, Properties of Laser Generation, Optical Feedback. Classification of LASERS: Solid, Liquid, Gas Lasers and their Respective Energy Level Diagrams. Construction of Dye, Nd-YAG, Argon and Carbon dioxide lasers, Characteristics of stabilization, Q-switching and mode locking.

UNIT-II

Laser Instruments: Laser Interferometers, laser strain gauges, Pulse echo technique, Beam modulation telemetry. Laser welding, Laser machining and Laser spectroscopy .Line shape function, lasing threshold, Application of lasers in Engineering and Medicine, Safety with lasers.

UNIT-III

Optical Fiber Fundamentals: Introduction to optical fibers, Fundamentals of Transmission Theory ,Fiber Fabrication and Manufacturing techniques, Fiber Splicing, Connectors and Jointing Technique, Electro-optic, Mechano-optic And Acousto-optic modulation techniques, Losses in Optical fibers.

UNIT-IV

Fiber Optic Instrumentation: Classification And Principle of Fiber optic sensors, Optical Time Domain Reflectometer. Multimode passive and active fiber sensors, phase modulated sensors. Measurement of Current, Voltage, Pressure, Temperature, Displacement, Acceleration, Fluid level using optical fibers.

M.I.E.T

IT — All four year scheme

1604-15
Non CBCS

5. A candidate after he/she been declared successful in the whole examination shall be given certificate setting forth the year of examination, the subjects in which he/she was examined and, the division in which he/she was placed.
6. No candidate shall be allowed to put in attendance for or appear at Examinations for different degrees and different faculties at one and the same time.
7. Students who have appeared once at any examination of the Course, need not put in fresh attendance, if they want to reappear at the corresponding Examinations, notwithstanding the fact that new subjects may have been introduced by the University. They will however, have to appear at the examinations according to the scheme of Examination and Syllabus in force.

PART IX - TRANSITORY REGULATIONS

1. Whenever, course or scheme of instruction is changed in a particular year, two more examinations immediately following thereafter, shall be conducted according to the old syllabus/regulations. Candidates not appearing at the examinations or failing in them shall take the examination subsequently according to the changed syllabus/ regulations.

* * * *

WITH EFFECT FROM THE ACADEMIC YEAR 2014 - 2015

SCHEME OF INSTRUCTION & EXAMINATION

B.E. I - YEAR (FULL TIME)

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	EG 101	English	3	-	3	75	25
2.	MT 101	Mathematics - I	3	-	3	75	25
3.	MT 102	Mathematics - II	3	-	3	75	25
4.	PH 101	Engineering Physics	3	-	3	75	25
5.	CH 101	Engineering Chemistry	3	-	3	75	25
6.	CS 101	Programming in C & C++	3	-	3	75	25
7.	CE 101	Engineering Mechanics	4	-	3	75	25
8.	CE 102	Engineering Graphics	-	6	3	100	50
		PRACTICALS					
1.	PH 132	Physics Lab	-	3	3	50	25
2.	CH 132	Chemistry Lab	-	3	3	50	25
3.	ME 131	Workshop Practice	-	3	3	50	25
4.	CS 131	Programming Lab	-	3	3	50	25
5.	EG 131	English Language Lab	-	2	3	50	25
		TOTAL	**22**	**20**	-	**875**	**350**

WITH EFFECT FROM THE ACADEMIC YEAR 2015-2016

SCHEME OF INSTRUCTION AND EXAMINATION

B.E. II-YEAR (REGULAR)

INFORMATION TECHNOLOGY

SEMESTER-I

Sl.No.	Syllabus Ref.No.	Subject	Scheme of Instruction		Scheme of Examination		
			Periods Per Week		Duration in Hrs	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1	BIT 201	Discrete Mathematics	4	-	3	75	25
2	BIT 202	Micro Electronics	4	-	3	75	25
3	BIT 203	Digital Electronics & Logic Design	4	-	3	75	25
4	BIT 204	Data Structures	4	-	3	75	25
5	EE 221	Electrical Circuits & Machines	4	-	3	75	25
6	CE 222	Environmental Studies	4	-	3	75	25
		PRACTICALS					
1	BIT 231	Basic Electronics Laboratory	-	3	3	50	25
2	BIT 232	Data Structures Laboratory	-	3	3	50	25
3	BIT 233	Mini Project - I	-	3	-	-	25
		Total	24	9	-	550	225

WITH EFFECT FROM THE ACADEMIC YEAR 2015-2016

SCHEME OF INSTRUCTION AND EXAMINATION

B.E. II-YEAR (REGULAR)

INFORMATION TECHNOLOGY

SEMESTER-II

Sl.No.	Syllabus Ref.No.	Subject	Scheme of Instruction		Scheme of Examination		
			Periods Per Week		Duration in Hrs	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1	BIT 251	Probability & Random Processes	4	-	3	75	25
2	BIT 252	Signals and Systems	4	-	3	75	25
3	BIT 253	Web Technologies	4	-	3	75	25
4	BIT 254	Computer Organization & Microprocessors	4	-	3	75	25
5	BIT 255	OOP Using JAVA	4	-	3	75	25
6	BIT 256	Data Communications	4	-	3	75	25
		PRACTICALS					
1	BIT 281	Microprocessors Lab	-	3	3	50	25
2	BIT 282	JAVA Programming	-	3	3	50	25
3	BIT 283	Mini Project - II (Web Technology based)	-	3	-	-	25
		Total	24	9	-	550	225

WITH EFFECT FROM THE ACADEMIC YEAR 2016-2017

SCHEME OF INSTRUCTION AND EXAMINATION

B.E. III-YEAR (REGULAR)

INFORMATION TECHNOLOGY

SEMESTER-I

Sl. No.	Syllabus Ref. No.	Subject	Scheme of Instruction		Scheme of Examination		
			Periods Per week		Duration in Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
THEORY							
1.	CM 371	Managerial Economics & Accountancy	4	-	3	75	25
2.	BIT 301	Design and Analysis of Algorithms	4	-	3	75	25
3.	BIT 302	Software Engineering	4	-	3	75	25
4.	BIT 303	Database Management Systems	4	-	3	75	25
5.	BIT 304	Operating Systems	4	-	3	75	25
6.	BIT 305	Theory of Computation	4	-	3	75	25
PRACTICALS							
1.	BIT 331	Operating Systems Lab	-	3	3	50	25
2.	BIT 332	DBMS Lab	-	3	3	50	25
3.	BIT 333	Mini Project – III	-	3	-	-	25
		Total	24	9	---	550	225

WITH EFFECT FROM THE ACADEMIC YEAR 2016-2017

SCHEME OF INSTRUCTION AND EXAMINATION

B.E. III-YEAR (REGULAR)

INFORMATION TECHNOLOGY

SEMESTER-II

Sl. No.	Syllabus Ref. No.	Subject	Scheme of Instruction		Scheme of Examination		
			Periods Per week		Duration in Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	BIT 351	Computer Networks	4	-	3	75	25
2.	BIT 352	Compiler Construction	4	-	3	75	25
3.	BIT 353	Object Oriented Systems Development	4	-	3	75	25
4.	BIT 354	Artificial Intelligence	4	-	3	75	25
5.	BIT 355	Data Warehousing and Data Mining	4	-	3	75	25
6.		ELECTIVE – I	4	-	3	75	25
		PRACTICALS					
1.	BIT 381	Compiler Construction/Data Mining Lab	-	3	3	50	25
2.	BIT 382	Network Programming Lab	-	3	3	50	25
3.	BIT 383	Mini Project (Based on Object Oriented Systems Development Concepts) – IV	-	3	-	-	25
		Total		9	24	550	225

ELECTIVE-I

BIT 356	Computer Graphics
BIT 357	Digital Signal Processing
BIT 358	Software Testing
BIT 359	Natural Language Processing

With Effect from the Academic Year 2017 - 2018

SCHEME OF INSTRUCTION

BE (INFORMATION TECHNOLOGY)

Proposed scheme with effect from the academic year 2017-2018

IV/IV-SEMESTER-I

S.No.	Syllabus Ref.No.	Subject	Scheme of Instruction Periods Per Week *		Scheme of Examination Duration in Hrs	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1	BIT 401	VLSI Design	4	-	3	75	25
2	BIT 402	**Middleware Technologies**	4	-	3	75	25
3	BIT 403	Information Security	4	-	3	75	25
4		Elective-II	4	-	3	75	25
5		Elective-III	4	-	3	75	25
		PRACTICALS					
1	BIT 431	VLSI Design Lab	-	3	3	50	25
2	BIT 432	Middleware Technologies	-	3	3	50	25
3	BIT 433	Project Seminar	-	3	-	-	25
		Total	**20**	**9**	**-**	**475**	**200**

ELECTIVE - II

BIT 404 Wireless and Mobile Communications
BIT 405 Ad - Hoc and Sensor Networks
BIT 406 Distributed Systems
LA 473 Intellectual Property Rights

ELECTIVE - III

BIT 408 Digital Image Processing
BIT 409 Grid Computing
BIT 410 CPLD & FPGA Architectures
BIT 411 Software Reuse Techniques
BIT 412 Semantic Web

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Osmania University.

With Effect from the Academic Year 2017 - 2018

SCHEME OF INSTRUCTION

BE (INFORMATION TECHNOLOGY)

Proposed scheme with effect from the academic year 2017-2018

IV/IV - **SEMESTER-II**

Sl.No.	Syllabus Ref.No.	Subject	Scheme of Instruction Periods Per Week		Scheme of Examination		
			L	D/P	Duration in Hrs	Maximum Marks	
						Univ. Exam	Sessionals
		THEORY					
1	BIT 451	Embedded Systems	4	-	3	75	25
2		Elective-IV	4	-	3	75	25
3		Elective-V	4	-	3	75	25
		PRACTICALS					
4	BIT 481	Embedded Systems Lab	-	3	3	50	25
5	BIT 482	Seminar	-	3	-	-	25
6	BIT 483	Main Project	-	6	Viva Voce	Grade*	50
		Total	12	12	-	275	175

ELECTIVE IV

BIT 452 Information Retrieval Systems
BIT 453 Information Storage and Management
BIT 454 Simulation and Modeling
BIT 455 Advanced Computer Architecture
BIT 456 Natural Language Processing

ELECTIVES: V

BIT 457 Soft Computing
BIT 458 Human Computer Interaction
BIT 459 Software Project Management
BIT 460 Cloud Computing
ME 411 Entrepreneurship
BIT 461 Disaster Management

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Osmania University

Mechanical

SCHEME OF INSTRUCTION & EXAMINATION

B.E. I - YEAR (FULL TIME)

SEMESTER - I

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	EG 101	English	3	-	3	75	25
2.	MT 101	Mathematics - I	3	-	3	75	25
3.	MT 102	Mathematics - II	3	-	3	75	25
4.	PH 101	Engineering Physics	3	-	3	75	25
5.	CH 101	Engineering Chemistry	3	-	3	75	25
6.	CS 101	Programming in C & C++	3	-	3	75	25
7.	CE 101	Engineering Mechanics	3	-	3	75	25
8.	CE 102	Engineering Graphics	-	6	3	100	50
		PRACTICALS					
1.	PH 132	Physics Lab	-	3	3	50	25
2.	CH 132	Chemistry Lab	-	3	3	50	25
3.	ME 131	Workshop Practice	-	3	3	50	25
4.	CS 131	Programming Lab	-	3	3	50	25
5.	EG 131	English Language Lab	-	2	3	50	25
		TOTAL	**21**	**20**	-	**875**	**350**

Non-CBCS All four year Scheme

EG 101 UE

ENGLISH (THEORY)

Instruction	3 Periods per week
Duration of University Examination	3 Hours
University Examination	75 Marks
Sessional	25 Marks

UNIT-I

Effective Communication : Role and importance of communication; Features of human communiction; Process of communication; Types of communication: Verbal - formal versus informal communication, one way versus two-way communication; Non-verbal communication; Barriers to communication; Importance of listening in effective communication.

UNIT-II

Oral communication: Importance of oral communication; Seminar skills; Speech-making: Types of speeches; Situational dialogues; Speaking strategies; Interpersonal Communication, Models of interpersonal development - Johari Window; Styles of communication, persuasion techniques; Team work.

UNIT-III

Written Communication : Paragraph writing; Report writing; Types of reports, Writing technical reports and scientific papers; Communication through letters; official and personal letters, letters of complaint, letters of enquiry and responses, resume writing; cover letters, memos, circulars, notices, minutes of meeting, writing a statement of purpose, e-mail etiquette.

UNIT-IV

Remedial English : Common errors, words often confused, tense and aspect, articles, prepositions, connectives and correlative conjuncts, voice, concord, direct and indirect speech, question tags, punctuation, homonyms, homophones, synonyms, antonyms, one-word substitutes; Idiomatic usage.

UNIT-V

Reading comprehension, readinhg strategies.

The following four lessons are prescribed :

10. Public Speaking : Advantages of public speaking, essentials of an effective speech, rehearsal techniques, planning and delivering a speech.
11. Role play : Use of dialogues in a variety of situations and settings.
12. Effective use of a dictionary and thesaurus : Advantages of using a dictionary and thesaurus.

Suggested Reading :

1. E. Suresh Kumar et al, *English for Success (with CD),* Cambridge University Press India Pvt. Ltd. 2010.
2. T. Balasubramanian, *A Textbook of English Phonetics for Indian Students,* Macmillian, 2008.
3. Edgar Thorpe, *Winnings at Interviews,* Pearson Education, 2006.
4. Hari Mohan Prasad, *How to prepare for Group Discussions and Interviews,* Tata McGraw Hill, 2006.
5. J. Sethi et al, *A Practical Course in English Pronunciation (with CD),* Prentice Hall India, 2005.

WITH EFFECT FROM THE ACADEMIC YEAR 2011 - 2012

SCHEME OF INSTRUCTION & EXAMINATION
B.E. II YEAR
(MECHANICAL & PRODUCTION ENGINEERING)

SEMESTER - I

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	MT 201	Mathematics-III	4	-	3	75	25
2.	ME 201	Metallurgy and Material Science	4	-	3	75	25
3.	ME 202	Machine Drawing	-	6	3	75	25
4.	CE 221	Mechanics of Materials	4	-	3	75	25
5.	CE 222	Environmental Studies	4	-	3	75	25
6.	CM 221	Managerial Economics & Accountancy	4	-	3	75	25
		PRACTICALS					
1.	ME 231	Metallurgy Lab	-	3	3	50	25
2.	ME 232	Computer Drafting Lab	-	2	--	--	25
3.	CE 241	Mechanics of Materials Lab	-	3	3	50	25
		TOTAL	**20**	**14**	**-**	**550**	**225**

Hydraulic Turbines : Classification - working principle - Francis, Kaplan, Pelton Wheels, Work done, power output, efficiency, specific speed, Unit quantities, Draft Tube, Performance characteristic curves.

UNIT-V

Pumps : Working principles and construction details of Centrifugal and reciprocating pumps, Effect of friction, acceleration head, work done, power required with and without air vessels, Problems faced in pumps, precaution, cavitation, primary velocity triangles of centrifugal pumps.

Suggested Reading :

1. R.K. Rajput, *Thermal Engineering*, Laxmi Publications, 2005.
2. Thomas Bevan *Theory of Machines*, CBS Publishers, 1995.
3. Yadav, *Steam and Gas Turbines*, Central Publishing House Ltd., 2004.
4. S. Ramamrutham, *Hydraulic Machines*, Dhanpat Rai and Sons, 2004.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. II YEAR
(MECHANICAL & PRODUCTION ENGINEERING)

SEMESTER - II

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
	251	**THEORY**					
1.	MT ~~201~~	Mathematics-IV	4	-	3	75	25
2.	ME 251	Kinematics of Machines	3	2	3	75	25
3.	EE 221	Electrical Circuits & Machines	4	-	3	75	25
4.	ME 253	Thermodynamics	4	-	3	75	25
5.	EC 272	Basic Electronics	4	-	3	75	25
6.	CE 271	Fluid Dynamics	4	-	3	75	25
		PRACTICALS					
1.	EE 291	Electrical Circuits & Machines Lab	-	3	3	50	25
2.	EC 292	Basic Electronics Lab	-	3	3	50	25
		TOTAL	**23**	**8**	-	**550**	**200**

ME 291

MECHANICAL TECHNOLOGY LAB
(For EEE & IE)

Instruction	3	Periods per week
Duration of University Examination	3	Hours
University Examination	50	Marks
Sessional	25	Marks

1. Performance test on multi-cylinder petrol or diesel engine
2. Measurement of discharge by Venturi meter
3. Measurement of velocity by Pitot tube
4. Measurement of discharge by Orifice meter / Rotameter
5. Determination of Flash and Fire points of lubricants
6. Determination of Thermal conductivity of a composite wall
7. Determination of Heat transfer coefficient under Natural convection
9. Determination of volumetric efficiency of multi stage reciprocating air Compressor
10. Study of construction details of a Gear box (for EEE only)
11. Performance of (a) Francis, (b) Kaplan and (c) Pelton wheel Turbines
12. Performance and characteristics of (a) Reciprocating and (b) Centrifugal Pumps.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. IIIrd YEAR
(MECHANICAL ENGINEERING)

SEMESTER-I

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction: Periods per week L	Scheme of Instruction: Periods per week D/P	Scheme of Examination: Duration In Hours	Scheme of Examination: Maximum Marks: Univ. Exam	Scheme of Examination: Maximum Marks: Sessionals
		THEORY					
1.	ME 301	Applied Thermodynamics	4	-	3	75	25
2.	ME 302	Dynamics of Machines	4	-	3	75	25
3.	ME 303	Design of Machine Elements	4	-	3	75	25
4.	ME 304	Hydraulic Machinery & Systems	4	-	3	75	25
5.	ME 305	Manufacturing Processes	4	-	3	75	25
		PRACTICALS					
1.	ME 331	Thermodynamics Lab.	-	3	3	50	25
2.	ME 332	Hydraulic Machinery & Systems Lab.	-	3	3	50	25
3.	ME 333	Manufacturing Processes Lab.	-	3	3	50	25
		Total	**20**	**9**	**--**	**525**	**200**

SCHEME OF INSTRUCTION & EXAMINATION

B.E. IIIrd YEAR
(MECHANICAL ENGINEERING)

SEMESTER - II

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	ME 351	Machine Design	4	-	3	75	25
2.	ME 352	Metal Cutting & Machine Tool	4	-	3	75	25
3.	ME 353	CAD / CAM	4	-	3	75	25
4.	ME 354	Heat Transfer	4	-	3	75	25
5.	ME 355	Control Systems Theory	4	-	3	75	25
6.	ME 356	Refrigeration & Air Conditioning	4	-	3	75	25
		PRACTICALS					
1.	ME 381	Metal Cutting & Machine Lab.	-	3	3	50	25
2.	ME 382	CAD / CAM Lab	-	3	3	50	25
3.	ME 383	Industrial Visit / Study	-	-	-	-	*Gr
		Total	**24**	**6**	**--**	**550**	**200**

** Excellent / Very Good / Good / Satisfactory / Unsatisfactory*

ME 351

MACHINE DESIGN

Instruction	4	Periods per week
Duration of University Examination	3	Hours
University Examination	75	Marks
Sessional	25	Marks

UNIT-I

Mechanical Springs: Types of springs and materials used. Design of helical springs on stress, deflection and energy considerations. Design for fluctuating loads. Concentric springs. Leaf Springs: Stresses and Deflection. Principles of Limit design. Nipping of Leaf springs.

UNIT-II

Gears: Types of gears and materials used. Standards for gear specifications. Design of Spur, Helical, Bevel and Worm Gears - Strength and Wear considerations. Types of failure of gear tooth and preventive measures.

UNIT-III

Bearings: Materials used for Bearings. Classification of Bearings. Viscosity of Lubricants. Theory of Hydrostatic and Hydrodynamic lubrication. Design of sliding contact bearings - for axial and thrust loads.

Rolling Contact Bearings: Different types of rolling element bearings and their constructional details. Static and Dynamic load carrying capacity, Load-life relationship. Design for cyclic loads.

UNIT-IV

I.C. Engine Parts : Design of piston, connecting rod and crank shafts (single throw and overhang). Design of Flywheels for I.C. Engines and presses.

UNIT-V

Theory of bending: Theory of bending of members with initial curvature - rectangular, circular and Trapezoidal sections. Design of crane Hooks, Machine flames and C-clamps.

ME 382

CAD / CAM LAB

Instruction	3	Periods per week
Duration of University Examination	3	Hours
University Examination	50	Marks
Sessional	25	Marks

1. Practice in the use of some of the packages like: Pro-E / Solid works / MDT / Inventor / C ATIA etc., for Geometric modeling of simple parts (sketching).
2. Part modeling and Assembly of simple parts using any of the above packages.
3. Static Analysis of Plane Truss and 2D beam for different type of loads using ANSYS / NASTRAN / ADINA etc.,
4. Static analysis of Plate with a hole to determine the SCF and Deformations and Stresses.
5. Static Analysis of connecting rod, pressure vessels.
6. Dynamic analysis: Modal Analysis of cantilever Beam and Hannonic analysis of Shaft.
7. Steady state heat transfer Analysis Cross section of chimney and Transient heat transfer analysis of solidification of casting.
8. Facing and turning, step turning, taper turning, contouring on CNC lathe.
9. Pocketing and contouring on CNC milling machine.
10. Simulation and development of NC code using any CAM software.
11. Programming for integration of various CNC machines, robots and material handling systems

ME 383

INDUSTRIAL VISIT / STUDY

At least 3 days in a semester	3 x 8 = 24 hours
Sessional	Grade*

A minimum of two industrial visits will be arranged by department and students have to attend the visits and prepare a data report of their visits to the industries and submit to the department. Students are required to present a seminar based on their report which is evaluated by Head of Department and two senior faculty to award the grade.

**Excellent/Very Good/Good/Satisfactory/Unsatisfactory*

SCHEME OF INSTRUCTION & EXAMINATION

B.E. IV - YEAR
(MECHANICAL ENGINEERING)

SEMESTER - I

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction: Periods per week L	Scheme of Instruction: Periods per week D/P	Scheme of Examination: Duration In Hours	Scheme of Examination: Maximum Marks: Univ. Exam	Scheme of Examination: Maximum Marks: Sessionals
		THEORY					
1.	ME 401	Thermal Turbo Machines	4	1	3	75	25
2.	ME 402	Metrology & Instrumentation	4	-	3	75	25
3.	ME 403	Finite Element Analysis	4	1	3	75	25
4.	ME 404	Operations Research	4	-	3	75	25
5.		ELECTIVE – I	4	-	3	75	25
		PRACTICALS					
1.	ME 431	Thermal Engineering Lab	-	3	3	50	25
2.	ME 432	Metrology & Instrumentation Lab	-	3	3	50	25
3.	ME 433	CAE Lab	-	3	3	50	25
4.	ME 434	Project Seminar	-	3	-	-	25
		Total	**20**	**14**	-	**525**	**225**

ELECTIVE – I

ME 406 Neural Networks	ME 412 Computational Fluid Flows
ME 407 Automobile Engineering	ME 413 Design for Manufacture
ME 408 Non Conventional Energy Sources	ME 452 Composite Materials
ME 409 Tool Design	CE 452 Disaster Mitigation and Management
ME 411 Entrepreneurship	

SERVICE COURSE: ME 472 Industrial Administration and Financial Management (Service course to ECE)

Unit-V

Cost accounting: Elements of cost. Various costs. Types of overheads. Break even analysis and its applications. Depreciation. Methods of calculating depreciation fund. Nature of Financial management. Time value of money. Techniques of capital budgeting and methods.

Cost of capital. Financial leverage.

Suggested Reading:

1. Pandey I.M. *Elements of Financial Management,* Vikas Publ. House, New Delhi, 1994.
2. KhannaO.P., *Industrial Engineering and Management*, Dhanapat Rai & Sons.
3. Everrete E. Adama & Ronald J. Ebert, *Production & Operations Management*, Prentice Hall of India, 5th Edition, 2005.
4. S.N. Chary, *Production and Operations Management,* Tata McGraw Hill, 3rd Edition, 2006.
5. Paneer Selvam, *Production and Operations Management,* Pearson Education, 2007.

WITH EFFECT FROM THE ACADEMIC YEAR 2012 - 2013

SCHEME OF INSTRUCTION & EXAMINATION

B.E. IV - YEAR

(MECHANICAL ENGINEERING)

SEMESTER - II

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	ME 450	Production Drawing	-	6	3	75	25
2.	ME 461	Production and Operations Management	4	-	3	75	25
3.		ELECTIVE – II	4	-	3	75	25
4.		ELECTIVE – III	4	-	3	75	25
		PRACTICALS					
1.	ME 481	Seminar	-	3	-	-	25
2.	ME 482	Project	-	6	Viva Voce	Gr*	50
		Total	**12**	**15**	-	**300**	**175**

ELECTIVE-II

EC 441 Microprocessor Applications
ME 453 Artificial Intelligence and Expert Systems
ME 454 Machine Tool Design
ME 455 Manufacturing Systems and Simulations
ME 456 Mechatronics
LA 454 Intellectual Property Rights
ME 462 Nano Materials &Technology
ME 463 Power Plant Engineering
CS 403 Information Security

SCHEME OF INSTRUCTION & EXAMINATION

B.E. I - YEAR (FULL TIME)

SEMESTER - I

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	EG 101	English	3	-	3	75	25
2.	MT 101	Mathematics - I	3	-	3	75	25
3.	MT 102	Mathematics - II	3	-	3	75	25
4.	PH 101	Engineering Physics	3	-	3	75	25
5.	CH 101	Engineering Chemistry	3	-	3	75	25
6.	CS 101	Programming in C & C++	3	-	3	75	25
7.	CE 101	Engineering Mechanics	3	-	3	75	25
8.	CE 102	Engineering Graphics	-	6	3	100	50
		PRACTICALS					
1.	PH 132	Physics Lab	-	3	3	50	25
2.	CH 132	Chemistry Lab	-	3	3	50	25
3.	ME 131	Workshop Practice	-	3	3	50	25
4.	CS 131	Programming Lab	-	3	3	50	25
5.	EG 131	English Language Lab	-	2	3	50	25
		TOTAL	**21**	**20**	-	**875**	**350**

Productions' Non-CBCS all four year Scheme

EG 101 UE

ENGLISH (THEORY)

Instruction	3 Periods per week
Duration of University Examination	3 Hours
University Examination	75 Marks
Sessional	25 Marks

UNIT-I

Effective Communication : Role and importance of communication; Features of human communiction; Process of communication; Types of communication: Verbal - formal versus informal communication, one way versus two-way communication; Non-verbal communication; Barriers to communication; Importance of listening in effective communication.

UNIT-II

Oral communication: Importance of oral communication; Seminar skills; Speech-making: Types of speeches; Situational dialogues; Speaking strategies; Interpersonal Communication, Models of interpersonal development - Johari Window; Styles of communication, persuasion techniques; Team work.

UNIT-III

Written Communication : Paragraph writing; Report writing; Types of reports, Writing technical reports and scientific papers; Communication through letters; official and personal letters, letters of complaint, letters of enquiry and responses, resume writing; cover letters, memos, circulars, notices, minutes of meeting, writing a statement of purpose, e-mail etiquette.

UNIT-IV

Remedial English : Common errors, words often confused, tense and aspect, articles, prepositions, connectives and correlative conjuncts, voice, concord, direct and indirect speech, question tags, punctuation, homonyms, homophones, synonyms, antonyms, one-word substitutes; Idiomatic usage.

UNIT-V

Reading comprehension, readinhg strategies.

The following four lessons are prescribed :

10. Public Speaking : Advantages of public speaking, essentials of an effective speech, rehearsal techniques, planning and delivering a speech.
11. Role play : Use of dialogues in a variety of situations and settings.
12. Effective use of a dictionary and thesaurus : Advantages of using a dictionary and thesaurus.

Suggested Reading :

1. E. Suresh Kumar et al, *English for Success (with CD),* Cambridge University Press India Pvt. Ltd. 2010.
2. T. Balasubramanian, *A Textbook of English Phonetics for Indian Students,* Macmillian, 2008.
3. Edgar Thorpe, *Winnings at Interviews,* Pearson Education, 2006.
4. Hari Mohan Prasad, *How to prepare for Group Discussions and Interviews,* Tata McGraw Hill, 2006.
5. J. Sethi et al, *A Practical Course in English Pronunciation (with CD),* Prentice Hall India, 2005.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. II YEAR
(MECHANICAL & PRODUCTION ENGINEERING)

SEMESTER - I

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	MT 201	Mathematics-III	4	-	3	75	25
2.	ME 201	Metallurgy and Material Science	4	-	3	75	25
3.	ME 202	Machine Drawing	-	6	3	75	25
4.	CE 221	Mechanics of Materials	4	-	3	75	25
5.	CE 222	Environmental Studies	4	-	3	75	25
6.	CM 221	Managerial Economics & Accountancy	4	-	3	75	25
		PRACTICALS					
1.	ME 231	Metallurgy Lab	-	3	3	50	25
2.	ME 232	Computer Drafting Lab	-	2	--	--	25
3.	CE 241	Mechanics of Materials Lab	-	3	3	50	25
		TOTAL	**20**	**14**	**-**	**550**	**225**

SCHEME OF INSTRUCTION & EXAMINATION
B.E. II YEAR
SERVICE COURSE OFFER TO OTHER DEPARTMENTS

SEMESTER - I

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	ME 221	Elements of Mechanical Engineering (For ECE)	4	-	3	75	25
2.	ME 222	Elements of Production Techniques (For IE)	4	-	3	75	25
3.	ME 223	Principles of Mechanical Engineering (For EEE)	4	-	3	75	25

MT 201

MATHEMATICS-III
(Common to all Branches)

Instruction	4	Periods per week
Duration of University Examination	3	Hours
University Examination	75	Marks
Sessional	25	Marks

UNIT-I

Partial differential Equations : Formation of partial-differential equation of first order-Lagrange's solution, Standard types-Charpit's method of solution-partial differential equations of higher order, Monge's method.

UNIT-II

Fourier Series : Expansion of a function in Fourier series for a given range-odd and even functions of Fourier series-change of interval-Applications of Fourier series-square wave forms-saw tooth wave form and modified square saw tooth wave form-half range sine and cosine expansions-complex Fourier series.

UNIT-III

Applications of Partial differential equations : Solution of wave equation, hear equation and Laplace's equation by the method of separation of variables and their use in problems of vibrating string, one dimensional unsteady heat flow and two dimensional steady state hear flow.

UNIT-IV

Numerical methods : Solutions of Algebraic and Transcendental equations - Bisection method, Regula-Falsi method and Newton-Raphson's method-Solution of Linear system of equations, Gauss elimination method, Gauss Seidel iterative method, ill conditioned equations and refinement of solutions, Interpolation, Newton's divided difference interpolation-Numerical differentiation, Solution of differential equations by Euler's method, modified Euler's method and Runge-Kutta Method of 4th order.

Hydraulic Turbines : Classification - working principle - Francis, Kaplan, Pelton Wheels, Work done, power output, efficiency, specific speed, Unit quantities, Draft Tube, Performance characteristic curves.

UNIT-V

Pumps : Working principles and construction details of Centrifugal and reciprocating pumps, Effect of friction, acceleration head, work done, power required with and without air vessels, Problems faced in pumps, precaution, cavitation, primary velocity triangles of centrifugal pumps.

Suggested Reading :

1. R.K. Rajput, *Thermal Engineering*, Laxmi Publications, 2005.
2. Thomas Bevan *Theory of Machines*, CBS Publishers, 1995.
3. Yadav, *Steam and Gas Turbines*, Central Publishing House Ltd., 2004.
4. S. Ramamrutham, *Hydraulic Machines*, Dhanpat Rai and Sons, 2004.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. II YEAR
(MECHANICAL & PRODUCTION ENGINEERING)

SEMESTER - II

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	MT 201	Mathematics-IV	4	-	3	75	25
2.	ME 251	Kinematics of Machines	3	2	3	75	25
3.	EE 221	Electrical Circuits & Machines	4	-	3	75	25
4.	ME 253	Thermodynamics	4	-	3	75	25
5.	EC 272	Basic Electronics	4	-	3	75	25
6.	CE 271	Fluid Dynamics	4	-	3	75	25
		PRACTICALS					
1.	EE 291	Electrical Circuits & Machines Lab	-	3	3	50	25
2.	EC 292	Basic Electronics Lab	-	3	3	50	25
		TOTAL	**23**	**8**	**-**	**550**	**200**

SCHEME OF INSTRUCTION & EXAMINATION
B.E. II YEAR
SERVICE COURSE OFFER TO OTHER DEPARTMENTS

SEMESTER - II

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	ME 271	Part B- Mechanical Technology (For CE)	3	-	1.5	37	13
2.	ME 272	Thermodynamics & Fluid Mechanics (For IE)	4	-	3	75	25
		PRACTICALS					
1.	ME 291	Mechanical Technology Lab (For IE & EEE)	-	3	3	50	25

MT 251

MATHEMATICS-IV
(CSE, ECE, EEE, Mech. & Production)

Instruction	4 Periods per week
Duration of University Examination	3 Hours
University Examination	75 Marks
Sessional	25 Marks

UNIT-I

Functions of Complex variables : Limit and Continuity of function-Analytic function-Cauchy-Reimann equations - Cartesion and Polar form and Harmonic functions-complex integration - Cauchy's theorem-Derivative of Analytic functions-Cauchy's integral formula and it's applications.

UNIT-II

Taylor's and Laurent's Series Expansions-Zeroes and Singularities-Residues-Residue theorem-Evaluation of real Integrals using Residue theorem-Conformal Mapping-Bilinear transformation.

UNIT-III

Statistics : Random Variables - distributions - density functions-conditional distributions-Baye's theorem-mathematical expectation-expected values-moments and Moment generating functions - Characteristic function.

UNIT-IV

Distributions : Normal-Gamma - Poisson and Chi-distributions - Tests of Significance - Chi-Square - F and t-tests.

UNIT-V

Curve fitting by method of least squares : Correlation and Regression - lines of regression fitting of cures by the method of least squares (straight line, parabola, exponential curves).

Suggested Reading:

1. R.K. Jain & S.R.K. Iyengar, *Advanced Engineering Mathematics*, Narosa Publications - 2008.
2. B.S. Grewal, *Higher Engineering Mathematics*, Khanna Publications, 40th Edition, 2008.
3. N. Bali, M.Goyal, C.Watkins, *Advanced Engineering Mathematics*, 7th Edition, 2009 Laxmi Publications.
4. M. Venkata Krishna, *Probability and Statistics*, B.S. Publications, 2010.
5. H.K. Dass, *Advanced Engineering Mathematics*, S.Chand & Co. Pvt. Ltd., 2010.

ME 291

MECHANICAL TECHNOLOGY LAB

(For EEE & IE)

Instruction	3 Periods per week
Duration of University Examination	3 Hours
University Examination	50 Marks
Sessional	25 Marks

1. Performance test on multi-cylinder petrol or diesel engine
2. Measurement of discharge by Venturi meter
3. Measurement of velocity by Pitot tube
4. Measurement of discharge by Orifice meter / Rotameter
5. Determination of Flash and Fire points of lubricants
6. Determination of Thermal conductivity of a composite wall
7. Determination of Heat transfer coefficient under Natural convection
9. Determination of volumetric efficiency of multi stage reciprocating air Compressor
10. Study of construction details of a Gear box (for EEE only)
11. Performance of (a) Francis, (b) Kaplan and (c) Pelton wheel Turbines
12. Performance and characteristics of (a) Reciprocating and (b) Centrifugal Pumps.

SCHEME OF INSTRUCTION & EXAMINATION

B.E. IIIrd YEAR

(PRODUCTION ENGINEERING)

SEMESTER - I

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction: Periods per week L	Scheme of Instruction: Periods per week D/P	Scheme of Examination: Duration In Hours	Scheme of Examination: Maximum Marks: Univ. Exam	Scheme of Examination: Maximum Marks: Sessionals
		THEORY					
1.	MP 301	Applied Thermodynamics & Heat Transfer	4	-	3	75	25
2.	ME 302	Dyanmics of Machines	4	-	3	75	25
3.	ME 303	Design of Machine Elements	4	-	3	75	25
4.	MP 303	Machine Tool Engineering	4	-	3	75	25
5.	MP 304	Metal Forming Technology	4	-	3	75	25
		PRACTICALS					
1.	MP 331	Applied Thermodynamics & Heat Transfer Lab.	-	3	3	50	25
2.	MP 332	Machine Tool Engineering Lab.	-	3	3	50	25
3.	MP 333	Metal Forming Technology Lab	-	3	3	50	25
		Total	20	9	--	525	200

MP 333

METAL FORMING TECHNOLOGY LAB

Instruction	3 Periods per week
Duration of University Examination	3 Hours
University Examination	50 Marks
Sessional	25 Marks

1. Evaluation of True-Stress and Tue - Strain characteristics of Ferrous and Non Ferrous metals in a tensile test.
2. Studying the normal anisotropy characteristics of materials.
3. Evaluation of formability of sheet metals in Erichsen Cupping test.
4. Study of simple dies and performing blanking and piercing operations using, mechanical presses and measurement of forces in the operation and comparing with the theoretical loads.
5. Study of compound die and production of a typical component on the same.
6. Study of progressive die and production of a typical component on the same.
7. Study of combination die and production of a cup on the same.
8. Drawing operation to produce cup in a hydraulic press and measurement of load during the operation and comparing with the theoretical loads.
9. Demonstration of wire drawing operation.
10. Demonstration of extrusion of lead material.
11. Forging practice.
12. Sheet metal's die operations for bending.
13. Computer simulation of typical forming operations.
14. Spinning/flow forming exercises.

SCHEME OF INSTRUCTION & EXAMINATION

B.E. IIIrd YEAR
(PRODUCTION ENGINEERING)

SEMESTER - II

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	MP 351	Turbo Machinery	4	-	3	75	25
2.	ME 351	Machine Design	4	-	3	75	25
3.	MP 352	Metal Casting & Welding	4	-	3	75	25
4.	MP 353	CAD / FEM	4	-	3	75	25
5.	ME 353	Refrigeration & Air Conditioning	4	-	3	75	25
		PRACTICALS					
1.	MP 381	Fluid Machinery Lab.	-	3	3	50	25
2.	MP 382	CAD / FEM Lab.	-	3	3	50	25
3.	MP 383	Metal Casting & Welding Lab.	-	3	3	50	25
4.	MP 384	Industrial Visit / Study	-	-	-	-	*Gr
		Total	20	9	--	525	200

**Excellent/Very Good/Good/Satisfactory/Unsatisfactory*

MP 383

METAL CASTING AND WELDING LAB

Instruction	3 Periods per week
Duration of University Examination	3 Hours
University Examination	50 Marks
Sessional	25 Marks

Foundry:

1. Study of foundry equipment and sand reclamation.
2. Testing of greensand properties.
3. Greensand mould making process with complete sprues, gates risers designs.
4. Melting and casting aluminium metal.
5. Making of a shell using shell moulding machine.
6. Study of defects in castings.

Welding:

7. Making of lap joint by resistance welding process and its strength evaluation
8. Study of different types flames in gas welding process.
9. Study of bead geometry in arc welding process.
10. Determination of weld characteristics using DC and AC power sources.
11. Study of butt joint strength evaluation by GMAW process.
12. Welding of aluminium with GTAW process.

ME 383

INDUSTRIAL VISIT / STUDY

At least 3 days in a semester	3 x 8 = 24 hours
Sessional	Grade*

A minimum of two industrial visits will be arranged by department and students have to attend the visits and prepare a data report of their visits to the industries and submit to the department. Students are required to present a seminar based on their report which is evaluated by Head of Department and two senior faculty to award the grade.

**Excellent/Very Good/Good/Satisfactory/Unsatisfactory*

SCHEME OF INSTRUCTION & EXAMINATION

B.E. IV - YEAR
(PRODUCTION ENGINEERING)

SEMESTER - I

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction: Periods per week L	Scheme of Instruction: Periods per week D/P	Scheme of Examination: Duration In Hours	Scheme of Examination: Maximum Marks Univ. Exam	Scheme of Examination: Maximum Marks Sessionals
		THEORY					
1.	MP 401	Production drawing Practice	1	3	3	75	25
2.	ME 402	Metrology & Instrumentation	4	-	3	75	25
3.	ME 404	Operations Research	4	-	3	75	25
4.	ME 355	Control System theory	4	-	3	75	25
5.		ELECTIVE -I	4	-	3	75	25
		PRACTICALS					
1.	MP 431	Manufacturing Engineering Lab.	-	3	3	50	25
2.	ME 432	Metrology & Instrumentation Lab	-	3	3	50	25
3.	MP 433	Computer Aided Production Drawing Lab	-	3	3	50	25
3.	ME 434	Project Seminar	-	3	-	-	25
		Total	**17**	**15**	-	**525**	**225**

ELECTIVE – I

ME 403 Finite Element Analysis
ME 406 Neural Networks
ME 407 Automobile Engineering
ME 411 Entrepreneurship
ME 412 Computational Fluid Flows
ME 413 Design for Manufacture
ME 452 Composite Materials
ME 467 Total Quality Management
CE 452 Disaster Mitigation and Management

WITH EFFECT FROM THE ACADEMIC YEAR 2013-2014

SCHEME OF INSTRUCTION & EXAMINATION

B.E. IV - YEAR

(PRODUCTION ENGINEERING)

SEMESTER - II

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per week		Duration In Hours	Maximum Marks	
			L	D/P		Univ. Exam	Sessionals
		THEORY					
1.	ME 409	Tool Design	4	-	3	75	25
2.	ME 461	Production and Operations Management.	4	-	3	75	25
3.		ELECTIVE – II	4	-	3	75	25
4.		ELECTIVE – III	4	-	3	75	25
		PRACTICALS					
1.	ME 481	Seminar	-	3	-	-	25
2.	ME 482	Project*	-	6	Viva Voce	Gr*	50
		Total	**16**	**9**	-	**300**	**175**

**Excellent / Very Good / Good / Satisfactory / Unsatisfactory.*

ELECTIVE-II

EC 441 Microprocessor Applications
ME453 Artificial Intelligence and Expert Systems
ME454 Machine Tool Design
ME455 Manufacturing Systems and Simulations
ME456 Mechatronics
LA 454 Intellectual Property Rights
ME462 Nano Materials &Technology
ME463 Power Plant Engineering
CS 403 Information Security

ELECTIVE –III

ME457 Robotics
ME458 Product Design and Process Planning
ME459 Modern Machining and Forming Methods
ME460 Plastics Engineering & Technology
CS 452 Computer Graphics
CS 408 Internet Programming
ME465 Rapid Prototyping Technologies
ME466 Material Handling
ME468 Non-Destructive Testing

DEPARTMENT OF CIVIL ENGINEERING

Scheme of Instruction
and
Syllabi

M.E. (CIVIL)

(Full Time / Part Time)

Specialisation in

STRUCTURAL ENGINEERING

(With effect from (2005-2006)

UNIVERSITY COLLEGE OF ENGINEERING
(Autonomous)
Osmania University
Hyderabad - 500 007, A.P.

M.E. CIVIL ENGINEERING

Subjects for

Specialization : Structural Engineering

with effect from the academic year 2005-2006

S. No	Ref. No	SUBJECTS	Periods per Week		Duration in Hrs.	Marks	
			L/T	D/P		Univ. Exam	Sessionals
		CORE SUBJECTS					
1	CES 561	Theory of Elasticity	3	-	3	80	20
2	CES 562	Structural Analysis	3	-	3	80	20
3	CES 573	Theory of Plates	3	-	3	80	20
4	CES 564	Structural Design	3	-	3	80	20
5	CES 574	Finite Element Methods	3	-	3	80	20
6	CES 575	Structural Dynamics	3	-	3	80	20
		ELECTIVE SUBJECTS	3	-	3	80	20
7	MAT 501	Mathematics	3	-	3	80	20
8	CES 574	Theory of Shells & Folded Plates	3	-	3	80	20
9	CES 572	Neural, Fuzzy & Expert Systems	3	-	3	80	20
10	CES 576	Experimental Stress Analysis	3	-	3	80	20
11	CES 577	Tall Buildings	3	-	3	80	20
12	CES 578	Structural Optimization	3	-	3	80	20
13	CES 579	Advanced Steel Design	3	-	3	80	20
14	CES 581	Pre Stressed Concrete	3	-	3	80	20
15	CES 582	Advanced Concrete Technology	3	-	3	80	20
16	CES 583	Geographical Information Systems	3	-	3	80	20
17	CES 584	Bridge Engineering	3	-	3	80	20
18	CES 587	Advanced Reinforced Concrete Design	3	-	3	80	20
19	CEG 536	Rock Mechanics	3	-	3	80	20
		DEPARTMENTAL REQUIREMENTS					
20	CES 566	Structural Engineering Lab – I	-	3	-	-	50
21	CES 586	Structural Engineering Lab – II	-	3	-	-	50
22	CES 568	Seminar – I	-	3	-	-	50
23	CES 569	Seminar – II	-	3	-	-	50
24	CES 570	Project Seminar + Dissertation		6	-	-	100
25		Dissertation	-	6	-		
						#Viva Voce	Grade*

Minimum of two seminar presentations before final viva required and a comprehensive viva at the end of third semester.

* Excellent / Very Good / Good / Satisfactory / Unsatisfactory.

Note: M.E. dissertation synopsis requires to be approved within four weeks of registration.

SCHEME OF INSTRUCTION & EXAMINATION
M.Tech – I Year (COMPUTER SCIENCE AND ENGINEERING)
With Effect from Academic Year 2014-15

SEMESTER-I

S.No	Syllabus Ref.No	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per Week		Duration in Hours	Maximum Marks	
			L/T	D/P		Univ. Exam	Sessionals
		THEORY					
1		Core-I	3	-	3	80	20
2		Core-II	3	-	3	80	20
3		Core-III	3	-	3	80	20
4		Core-IV	3	-	3	80	20
5		Elective-I	3	-	3	80	20
6		Elective-II	3	-	3	80	20
		PRACTICALS					
1	CS 531	Software Lab – I (Advanced Algorithms & OOSE)	-	3	3	--	50
2	CS 532	Seminar - I	-	3	3	--	50
		TOTAL	18	6	-	480	220

Core Subjects:

CS 501: Advanced Algorithms

CS 502: Advanced Operating Systems

CS 503: Artificial Intelligence

CS 504: Object Oriented Software Engineering

CS 551: Distributed Computing

CS 552: Advanced Databases

Elective – I & II:

CS 511: Mobile Computing

CS 512: Real Time Systems

CS 513: Advanced Computer Graphics

CS 514: Soft Computing

CS 515: Parallel Computer Architecture

CS 516: Multimedia Technologies

CS 517: Embedded Systems

CS 518: Data Mining

CS 519: Performance Evaluation of Computer Systems

		THEORY					
1		Core-V	3	-	3	80	20
2		Core -VI	3	-	3	80	20
3		Elective-III	3	-	3	80	20
4		Elective-IV	3	-	3	80	20
5		Elective-V	3	-	3	80	20
6		Elective-VI	3	-	3	80	20
		PRACTICALS					
1	CS 581	Software Lab – II (Distributed Computing & Advanced Databases)	-	3	3	--	50
2	CS 582	Seminar - II	-	3	3	--	50
		TOTAL	18	6	-	480	220

Elective – III & IV:

CS 561: Network Security
CS 562: Machine Learning
CS 563: Grid Computing
CS 564: Information Retrieval Systems
CS 565: Natural Language Processing
CS 566: Software Quality and Testing
CS 567: Software Engineering for RTS
CS 568: Cloud Computing
CS 569: Web Engineering
CS 570: Semantic Web

Elective – V & VI:

CS 571: Neural Networks
CS 572: Parallel Algorithms
CS 573: Simulation and Modeling
CS 574: Software Project Management
CS 575: Image Processing
CS 576: Software Reuse Techniques
CS 577: Reliability & Fault Tolerance
CS 578: Web Mining
CS 579: Human Computer Interaction

SCHEME OF INSTRUCTION & EXAMINATION
M.Tech – II Year (COMPUTER SCIENCE & ENGINEERING)
With Effect from Academic Year 2014-15

SEMESTER-III

S.No	Syllabus Ref.No	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per Week		Duration in Hours	Maximum Marks	
			L/T	D/P		Univ. Exam	Sessionals
1	CS	Dissertation + Project Seminar	-	6	-	-	100*

* 50 Marks to be given by the guide.

* 50 Marks to be given by viva committee which includes Head, Guide & an Examiner.

SCHEME OF INSTRUCTION & EXAMINATION
M.Tech – II Year (COMPUTER SCIENCE & ENGINEERING)
With Effect from Academic Year 2014-15

SEMESTER-IV

S.No	Syllabus Ref.No	SUBJECT	Scheme of Instruction		Scheme of Examination		
			Periods per Week		Duration in Hours	Maximum Marks	
			L/T	D/P		Univ. Exam	Sessionals
1	CS	Dissertation	-	6	-	*Grade	-

* Grade – Excellent / Very Good/ Good / Satisfactory/Unsatisfactory

DEPARTMENT OF ELECTRICAL ENGINEERING

Scheme and Syllabi

of

M.E. (ELECTRICAL)

(Full-Time and Part-Time)

Industrial Drives and Control

Power Systems

Power Electronic Systems

July 2012

Osmania University
Hyderabad – 500 007

Scheme of Instruction & Examination

M.E. (Electrical), Four-Semester Course (Full-time) 2012–2013

S.No.	Subject	Periods per Week		Univ. Exam Duration (Hrs)	Max. Marks	
		L/T	D/P		Univ. Exam	Sess-ional
Semester I						
1.	Core	3		3	80	20
2.	Core	3		3	80	20
3.	Core / Elective	3		3	80	20
4.	Core / Elective	3		3	80	20
5.	Core / Elective	3		3	80	20
6.	Elective	3		3	80	20
7.	Lab I	-	3	-	-	50
8.	Seminar I	-	3	-	-	50
	Total	18	6		480	**220**
Semester II						
1.	Core	3		3	80	20
2.	Core	3		3	80	20
3.	Core / Elective	3		3	80	20
4.	Core / Elective	3		3	80	20
5.	Core / Elective	3		3	80	20
6.	Elective	3		3	80	20
7.	Lab II	-	3	-	-	50
8.	Seminar II	-	3	-	-	50
	Total	18	6		480	**220**
Semester III						
1.	Dissertation + Project Seminar*	-	6	-	-	100**
Semester IV						
1.	Dissertation	-	6	Viva-Voce	Grade ***	-

Note: Six Core subjects, Six Elective subjects, Two Laboratory courses and Two Seminars should be completed by the end of Semester II.

* One Project Seminar presentation.

** To be awarded by Viva Committee with Guide and two internal faculty.

*** Excellent / Very Good / Good / Satisfactory / Unsatisfactory.

DEPARTMENT OF MECHANICAL ENGINEERING

Scheme of Instruction and Syllabi
of

M.E. (Mechanical)

Specialization :

CAD/CAM

Full time / Part time

2012 - 2013

UNIVERSITY COLLEGE OF ENGINEERING
(Autonomous)
Osmania University
Hyderabad – 500 007, A.P., INDIA

Scheme of Instruction & Examination

M.E. (Mechanical Engineering) 4 Semesters (Full Time)

Sl. No	Subject	Periods per week		Duration (Hrs)	Max. Marks	
		L/T	D/P		Univ. Exam	Sessional
			Semester - I			
1.	Core	3	--	3	80	20
2.	Core	3	--	3	80	20
3.	Core / Elective	3	--	3	80	20
4.	Core / Elective	3	--	3	80	20
5.	Core / Elective	3	--	3	80	20
6.	Elective	3	--	3	80	20
7.	Laboratory - I	--	3	--	--	50
8.	Seminar - I	--	3	--	--	50
	Total	**18**	**6**		**480**	**220**
			Semester - II			
1.	Core	3	--	3	80	20
2.	Core	3	--	3	80	20
3.	Core / Elective	3	--	3	80	20
4.	Core / Elective	3	--	3	80	20
5.	Core / Elective	3	--	3	80	20
6.	Elective	3	--	3	80	20
7.	Laboratory - II	--	3	--	--	50
8.	Seminar - II	--	3	--	--	50
	Total	**18**	**6**		**480**	**220**
			Semester - III			
1.	Project Seminar*	--	6	--	--	100**
			Semester - IV			
1.	Dissertation	--	--	--	Viva - Voce (Grade ***)	--

Note: Six core subjects, Six elective subjects, Two Laboratory Courses and Two Seminars should normally be completed by the end of semester II.

* Project seminar presentation on the topic of Dissertation only

** 50 marks awarded by the project guide and 50 marks by the internal committee.

*** Excellent/Very Good/Good/Satisfactory/Unsatisfactory

AICTE - M.C. First Year - 1604-18

Group A - CSE, IT, ME, PE

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

and

Syllabi

B.E. I and II Semesters

of

Four Year Degree Programme

in

B.E. (Common to All Branches)

(With effect from the Academic Year 2018– 2019)

(As approved in the Faculty Meeting held on 26th June 2018)

Issued by

Dean, Faculty of Engineering

Osmania University, Hyderabad

2018

SCHEME OF INSTRUCTION & EXAMINATION

B.E. (All Branches) I - Semester

(Group - A) CSE, IT, ME, PE

S. No.	Course Code	Course Title	Scheme of Instructions				Scheme of Examination			Credits
			L	T	P/D	Contact Hours/Week	CIE	SEE	Duration in Hours	
Theory Course										
1	BS101MT	Mathematics-I	3	1	-	4	30	70	3	4
2	BS101PH	Physics	3	1	-	4	30	70	3	4
3	ES101EE	Basic Electrical Engineering	3	1	-	4	30	70	3	4
Practical / Laboratory Course										
4	BS151PH	Physics Lab	-	-	3	3	25	50	3	1.5
5	ES152EE	Basic Electrical Engineering Lab	-	-	2	2	25	50	3	1
6	ES153CE	Engineering Graphics & Design	1	-	4	5	50	50	3	3
Total			**10**	**03**	**09**	**22**	**190**	**360**		**17.5**

BS: Basic Science **ES:** Engineering Science
L: Lecture **T**: Tutorial **P**: Practical **D**: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: Each contact hour is a Clock Hour.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. (All Branches) II - Semester
(Group - A) CSE, IT, ME, PE

S. No.	Course Code	Course Title	Scheme of Instructions				Scheme of Examination			Credits
			L	T	P / D	Contact Hours/Week	CIE	SEE	Duration in Hours	
Theory Course										
1	HS101EG	English	2	-	-	2	30	70	3	2
2	BS102MT	Mathematics-II	3	1	-	4	30	70	3	4
3	BS104CH	Chemistry	3	1	-	4	30	70	3	4
4	ES102CS	Programming for Problem Solving	3	-	-	3	30	70	3	3
Practical / Laboratory Course										
5	HS151EG	English Lab			2		25	50	3	1
6	BS154CH	Chemistry Lab			3	3	25	50	3	1.5
7	ES152CS	Programming for Problem Solving			4	4	25	50	3	2
8	ES154ME	Workshop/ Manufacturing Process	1	-	4	5	50	50	3	3
		Total	**12**	**02**	**11**	**25**	**245**	**480**		**20.5**

HS: Humanities and Social Sciences **BS**: Basic Science **ES:** Engineering Science
L: Lectures **T**: Tutorials **P**: Practical **D**: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note:
1. Each contact hour is a Clock Hour
2. The students have to undergo a Summer Internship of 1 week duration after II-Semester.

AICTE – M.C. First Year – 1604-18-

Group B – CIVIL, ECE, EEE, EIE

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

and

Syllabi

B.E. I and II Semesters

of

Four Year Degree Programme

in

B.E. (Common to All Branches)

(With effect from the Academic Year 2018– 2019)

(As approved in the Faculty Meeting held on 26th June 2018)

Issued by

Dean, Faculty of Engineering

Osmania University, Hyderabad

2018

SCHEME OF INSTRUCTION & EXAMINATION

B.E. (All Branches) I - Semester

(Group - B) CIVIL, ECE, EEE, EIE.

S. No.	Course Code	Course Title	Scheme of Instructions				Scheme of Examination			Credits
			L	T	P / D	Contact Hours/Week	CIE	SEE	Duration in Hours	
Theory Course										
1	HS101EG	English	2	-	-	2	30	70	3	2
2	BS102MT	Mathematics-II	3	1	-	4	30	70	3	4
3	BS104CH	Chemistry	3	1	-	4	30	70	3	4
4	ES102CS	Programming for Problem Solving	3	-	-	3	30	70	3	3
Practical / Laboratory Course										
5	HS151EG	English Lab			2		25	50	3	1
6	BS154CH	Chemistry Lab			3	3	25	50	3	1.5
7	ES152CS	Programming for Problem Solving			4	4	25	50	3	2
8	ES154ME	Workshop/ Manufacturing Process	1	-	4	5	50	50	3	3
		Total	**12**	**02**	**11**	**25**	**245**	**480**		**20.5**

HS: Humanities and Social Sciences **BS**: Basic Science **ES**: Engineering Science
L: Lectures **T**: Tutorials **P**: Practical **D**: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note:

1. Each contact hour is a Clock Hour
2. The students have to undergo a Summer Internship of 1 week duration after II-Semester.

SCHEME OF INSTRUCTION & EXAMINATION

B.E. (All Branches) II- Semester

(Group - ~~A~~ B) CIVIL, ECE, EEE, EIE

S. No.	Course Code	Course Title	Scheme of Instructions				Scheme of Examination			Credits
			L	T	P/D	Contact Hours/Week	CIE	SEE	Duration in Hours	
Theory Course										
1	BS101MT	Mathematics-I	3	1	-	4	30	70	3	4
2	BS101PH	Physics	3	1	-	4	30	70	3	4
3	ES101EE	Basic Electrical Engineering	3	1	-	4	30	70	3	4
Practical / Laboratory Course										
4	BS151PH	Physics Lab	-	-	3	3	25	50	3	1.5
5	ES152EE	Basic Electrical Engineering Lab	-	-	2	2	25	50	3	1
6	ES153CE	Engineering Graphics & Design	1	-	4	5	50	50	3	3
Total			**10**	**03**	**09**	**22**	**190**	**360**		**17.5**

BS: Basic Science **ES:** Engineering Science
L: Lecture **T**: Tutorial **P**: Practical **D**: Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note: Each contact hour is a Clock Hour.

AICTE - M.C. II Year Mech. 1604-18

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

(AICTE Model Curriculum for the Academic Year 2019-2020)

and

Syllabi

B.E. III and IV Semester

of

Four Year Degree Programme

in

Mechanical Engineering

(With effect from the academic year 2019– 2020)

(As approved in the faculty meeting held on 25-06-2019)

Issued by

Dean, Faculty of Engineering

Osmania University, Hyderabad – 500 007

2019

SCHEME OF INSTRUCTION & EXAMINATION
B.E. (Mechanical Engineering) III – SEMESTER

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	MC111PO	Indian Constitution	2	-	-	2	30	70	3	-
2	HS201EG	Effective Technical Communication in English	3	-	-	3	30	70	3	3
3	HS202CM	Finance and Accounting	3	-	-	3	30	70	3	3
4	BS205MT	Mathematics-III	3	-	-	3	30	70	3	3
5	ES211CE	Engineering Mechanics	2	1	-	3	30	70	3	3
6	ES214EC	Basic Electronics	2	-	-	2	30	70	3	2
7	PC221ME	Metallurgy and Material Science	3	-	-	3	30	70	3	3
8	PC222ME	Thermodynamics	3	1	-	4	30	70	3	4
Practical/ Laboratory Courses										
9	PC251ME	Metallurgy and Material Testing Lab	-	-	2	2	25	50	3	1
10	PC252ME	Machine Drawing and Modelling Lab	-	-	2	2	25	50	3	1
			21	**02**	**04**	**27**	**290**	**660**		**23**

HS: Humanities and Social Sciences BS: Basic Science ES: Engineering Science
MC: Mandatory Course PC: Professional Core
L: Lecture T: Tutorial P: Practical D: Drawing
CIE: Continuous Internal Evaluation SEE: Semester End Evaluation (Univ. Exam)

Note:

1. Each contact hour is a clock hour
2. The duration of the practical class is two hours, however it can be extended wherever necessary, to enable the student to complete the experiment.
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SCHEME OF INSTRUCTION & EXAMINATION
B.E. (Mechanical Engineering) IV – SEMESTER

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	MC112CE	Environmental Science	2	-	-	2	30	70	3	-
2	MC113PY	Essence of Indian Traditional Knowledge	2	-	-	2	30	70	3	-
3	HS213MP	Industrial Psychology	3	-	-	3	30	70	3	3
4	BS206BZ	Biology for Engineers	3	-	-	3	30	70	3	3
5	ES213ME	Energy Sciences and Engineering	2	-	-	2	30	70	3	2
6	PC231ME	Mechanics of Materials	3	-	-	3	30	70	3	3
7	PC232ME	Applied Thermodynamics	3	-	-	3	30	70	3	3
8	PC233ME	Kinematics of Machinery	3	-	-	3	30	70	3	3
9	PC234ME	Manufacturing Processes	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
10	PC261ME	Thermal Engineering Lab – I	-	-	2	2	25	50	3	1
11	PC262ME	Manufacturing Processes Lab	-	-	2	2	25	50	3	1
			24	**-**	**04**	**28**	**320**	**730**		**22**

HS: Humanities and Social Sciences BS: Basic Science ES: Engineering Science
MC: Mandatory Course PC: Professional Core
L: Lecture T: Tutorial P: Practical D: Drawing
CIE: Continuous Internal Evaluation SEE: Semester End Evaluation (Univ. Exam)

Note:

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AICTE – M.C. II year Prodn. 1604-18

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

(AICTE Model Curriculum for the Academic Year 2019-2020)

and

Syllabi

B.E. III and IV Semester

of

Four Year Degree Programme

in

Production Engineering

(With effect from the academic year 2019– 2020)

(As approved in the faculty meeting held on 25-06-2019)

Issued by

Dean, Faculty of Engineering

Osmania University, Hyderabad – 500 007

2019

SCHEME OF INSTRUCTION & EXAMINATION
B.E. (Production Engineering) III – SEMESTER

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	MC111PO	Indian Constitution	2	-	-	2	30	70	3	-
2	HS201EG	Effective Technical Communication in English	3	-	-	3	30	70	3	3
3	HS202CM	Finance and Accounting	3	-	-	3	30	70	3	3
4	BS205MT	Mathematics-III	3	-	-	3	30	70	3	3
5	ES211CE	Engineering Mechanics	2	1	-	3	30	70	3	3
6	ES214EC	Basic Electronics	2	-	-	2	30	70	3	2
7	PC221ME	Metallurgy and Material Science	3	-	-	3	30	70	3	3
8	PC222ME	Thermodynamics	3	1	-	4	30	70	3	4
Practical/ Laboratory Courses										
9	PC251ME	Metallurgy and Material Testing Lab	-	-	2	2	25	50	3	1
10	PC252ME	Machine Drawing and Modelling Lab	-	-	2	2	25	50	3	1
			21	**02**	**04**	**27**	**290**	**660**		**23**

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SCHEME OF INSTRUCTION & EXAMINATION
B.E. (Production Engineering) IV – SEMESTER

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	MC112CE	Environmental Science	2	-	-	2	30	70	3	-
2	MC113PY	Essence of Indian Traditional Knowledge	2	-	-	2	30	70	3	-
3	HS203MP	Industrial Psychology	3	-	-	3	30	70	3	3
4	BS206BZ	Biology for Engineers	3	-	-	3	30	70	3	3
5	ES213ME	Energy Sciences and Engineering	2	-	-	2	30	70	3	2
6	PC231ME	Mechanics of Materials	3	-	-	3	30	70	3	3
7	PC233ME	Kinematics of Machinery	3	-	-	3	30	70	3	3
8	PC234ME	Manufacturing Processes	3	-	-	3	30	70	3	3
9	PC235ME	Applied Thermodynamics and Heat Transfer	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
10	PC262ME	Manufacturing Processes Lab	-	-	2	2	25	50	3	1
11	PC263ME	Applied Thermodynamics and Heat Transfer Lab	-	-	2	2	25	50	3	1
			24	**-**	**04**	**28**	**320**	**730**		**22**

HS: Humanities and Social Sciences BS: Basic Science ES: Engineering Science
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AICTE-M.C. II Year ECE 1604-18

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

(AICTE Model Curriculum for the Academic Year 2019-2020)

and

Syllabi

B.E. III and IV Semester

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Four Year Degree Programme

in

Electronics and Communication Engineering

(With effect from the academic year 2019– 2020)

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Issued by

Dean, Faculty of Engineering

Osmania University, Hyderabad – 500 007

2019

SCHEME OF INSTRUCTION & EXAMINATION
B.E. (Electronics and Communication Engineering) III – SEMESTER

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	MC111PO	Indian Constitution	2	-	-	2	30	70	3	-
2	HS201EG	Effective Technical Communication in English	3	-	-	3	30	70	3	3
3	HS202CM	Finance and Accounting	3	-	-	3	30	70	3	3
4	BS205MT	Mathematics – III	3	-	-	3	30	70	3	3
5	ES212ME	Elements of Mechanical Engineering	3	-	-	3	30	70	3	3
6	ES216EC	Digital Electronics	3	-	-	3	30	70	3	3
7	PC221EC	Electronic Devices	3	-	-	3	30	70	3	3
8	PC222EC	Network Theory	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
9	PC251EC	Electronic Devices Lab	-	-	2	2	25	50	2	1
10	PC252EC	Electronic Workshop	-	-	2	2	25	50	2	1
			23	**-**	**04**	**27**	**290**	**660**		**23**

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SCHEME OF INSTRUCTION & EXAMINATION
B.E. (Electronics and Communication Engineering) IV – SEMESTER

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	MC112CE	Environmental Science	2	-	-	2	30	70	3	-
2	MC113PY	Essence of Indian Traditional Knowledge	2	-	-	2	30	70	3	-
3	HS213MP	Industrial Psychology	3	-	-	3	30	70	3	3
4	BS206BZ	Biology for Engineers	3	-	-	3	30	70	3	3
5	ES215EC	Signals and Systems	3	-	-	3	30	70	3	3
6	PC231EC	Analog Electronic Circuits	3	-	-	3	30	70	3	3
7	PC232EC	Electromagnetic Theory and Transmission Lines	3	-	-	3	30	70	3	3
8	PC233EC	Pulse and Linear Integrated Circuits	3	-	-	3	30	70	3	3
9	PC234EC	Computer Organisation and Architecture	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
10	PC261EC	Analog Electronic Circuits Lab	-	-	2	2	25	50	3	1
11	PC262EC	Pulse and Linear Integrated Circuits Lab	-	-	2	2	25	50	3	1
			25	**-**	**04**	**29**	**320**	**730**		**23**

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AICTE MC II year EIE 1604-18

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

(AICTE Model Curriculum for the Academic Year 2019-2020)

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Syllabi

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Dean, Faculty of Engineering

Osmania University, Hyderabad – 500 007

2019

SCHEME OF INSTRUCTION & EXAMINATION
B.E. (Electronics and Instrumentation Engineering) III – SEMESTER

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	MC112CE	Environmental Science	2	-	-	2	30	70	3	-
2	MC113PY	Essence of Indian Traditional Knowledge	2	-	-	2	30	70	3	-
3	HS203MP	Industrial Psychology	3	-	-	3	30	70	3	3
4	BS206BZ	Biology for Engineers	3	-	-	3	30	70	3	3
5	ES211CE	Engineering Mechanics	2	1	-	3	30	70	3	3
6	ES213ME	Energy Sciences and Engineering	2	-	-	2	30	70	3	2
7	PC222EE	Electromagnetic Fields	3	-	-	3	30	70	3	3
8	PC223EE	Network Theory	3	-	-	3	30	70	3	3
9	PC223EC	Analog Electronics	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
10	PC253EE	Computer Aided Instrumentation Drawing Lab	-	-	2	2	25	50	3	1
11	PC253EC	Analog Electronics Lab	-	-	2	2	25	50	3	1
		Total	**23**	**01**	**04**	**28**	**320**	**730**		**22**

HS: Humanities and Social Sciences BS: Basic Science ES: Engineering Science
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SCHEME OF INSTRUCTION & EXAMINATION
B.E. (Electronics and Instrumentation Engineering) IV – SEMESTER

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	MC111PO	Indian Constitution	2	-	-	2	30	70	3	-
2	HS201EG	Effective Technical Communication in English	3	-	-	3	30	70	3	3
3	HS202CM	Finance and Accounting	3	-	-	3	30	70	3	3
4	BS205MT	Mathematics – III	3	-	-	3	30	70	3	3
5	ES212ME	Elements of Mechanical Engineering	3	-	-	3	30	70	3	3
6	PC232EE	Digital Electronics and Logic Design	3	-	-	3	30	70	3	3
7	PC233EE	Power Electronics	3	-	-	3	30	70	3	3
8	PC234EE	Transducers Engineering	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
9	PC262EE	Digital Electronics and Logic Design Lab	-	-	2	2	25	50	3	1
10	PC263EE	Transducers Engineering Lab	-	-	2	2	25	50	3	1
			23	**-**	**04**	**27**	**290**	**660**		**23**

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AICTE - MC · II Year EEE 1604-18.

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

(AICTE Model Curriculum for the Academic Year 2019-2020)

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Syllabi

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Osmania University, Hyderabad – 500 007

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SCHEME OF INSTRUCTION & EXAMINATION
B.E. (Electrical and Electronics Engineering) III – SEMESTER

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	MC112CE	Environmental Science	2	-	-	2	30	70	3	-
2	MC113PY	Essence of Indian Traditional Knowledge	2	-	-	2	30	70	3	-
3	HS203MP	Industrial Psychology	3	-	-	3	30	70	3	3
4	BS206BZ	Biology for Engineers	3	-	-	3	30	70	3	3
5	ES211CE	Engineering Mechanics	2	1	-	3	30	70	3	3
6	ES213ME	Energy Sciences and Engineering	2	-	-	2	30	70	3	2
7	PC221EE	Electrical Circuit Analysis	3	-	-	3	30	70	3	3
8	PC222EE	Electromagnetic Fields	3	-	-	3	30	70	3	3
9	PC223EC	Analog Electronics	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
10	PC252EE	Computer Aided Electrical Drawing Lab	-	-	2	2	25	50	3	1
11	PC253EC	Analog Electronics Lab	-	-	2	2	25	50	3	1
			23	**01**	**04**	**28**	**320**	**730**		**22**

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SCHEME OF INSTRUCTION & EXAMINATION
B.E. (Electrical and Electronics Engineering) IV – SEMESTER

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	MC111PO	Indian Constitution	2	-	-	2	30	70	3	-
2	HS201EG	Effective Technical Communication in English	3	-	-	3	30	70	3	3
3	HS202CM	Finance and Accounting	3	-	-	3	30	70	3	3
4	BS205MT	Mathematics – III	3	-	-	3	30	70	3	3
5	ES212ME	Elements of Mechanical Engineering	3	-	-	3	30	70	3	3
6	PC231EE	Electrical Machines – I	3	-	-	3	30	70	3	3
7	PC232EE	Digital Electronics and Logic Design	3	-	-	3	30	70	3	3
8	PC233EE	Power Electronics	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
9	PC261EE	Electrical Machines Lab – I	-	-	2	2	25	50	3	1
10	PC262EE	Digital Electronics and Logic Design Lab	-	-	2	2	25	50	3	1
			23	**-**	**04**	**27**	**290**	**730**		**23**

HS: Humanities and Social Sciences BS: Basic Science ES: Engineering Science
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AICTE - M.C. II year I.T. 1604-18

FACULTY OF ENGINEERING

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in

Information Technology

(With effect from the academic year 2019– 2020)

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Osmania University, Hyderabad – 500 007

2019

SCHEME OF INSTRUCTION & EXAMINATION
B.E. (Information Technology) III – SEMESTER

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	MC111PO	Indian Constitution	2	-	-	2	30	70	3	-
2	HS201EG	Effective Technical Communication in English	3	-	-	3	30	70	3	3
3	HS202CM	Finance and Accounting	3	-	-	3	30	70	3	3
4	BS205MT	Mathematics III	3	-	-	3	30	70	3	3
5	ES214EC	Basic Electronics	2	-	-	2	30	70	3	2
6	ES216EC	Digital Electronics	3	-	-	3	30	70	3	3
6	PC221IT	Data Structures	3	-	-	3	30	70	3	3
7	PC222IT	Mathematical Foundations of Information Technology	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
8	ES251EC	Basic Electronics Lab	-	-	2	2	25	50	3	1
9	PC252IT	Data Structures Lab	-	-	2	2	25	50	3	1
10	PC253IT	IT Workshop Lab	-	-	2	2	25	50	3	1
			22	**-**	**06**	**28**	**285**	**640**		**23**

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SCHEME OF INSTRUCTION & EXAMINATION
B.E. (Information Technology) IV – SEMESTER

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	MC112CE	Environmental Sciences	2	-	-	2	30	70	3	-
2	MC113PY	Essence of Indian Traditional Knowledge	2	-	-	2	30	70	3	-
3	HS204ME	Operations Research	3	-	-	3	30	70	3	3
4	BS206BZ	Biology for Engineers	3	-	-	3	30	70	3	3
5	ES215EC	Signals and Systems	2	-	-	2	30	70	3	2
6	PC231IT	JAVA Programming	3	-	-	3	30	70	3	3
7	PC232IT	Database Systems	3	-	-	3	30	70	3	3
8	PC233IT	Computer Organization and Microprocessor	3	-	-	3	30	70	3	3
9	PC234IT	Data Communications	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
10	PC261IT	Microprocessor Lab	-	-	2	2	25	50	3	1
11	PC262IT	JAVA Programming Lab	-	-	2	2	25	50	3	1
12	PC263IT	Database Systems Lab	-	-	2	2	25	50	3	1
			24	**-**	**06**	**30**	**345**	**780**		**23**

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4. For those of the students admitted BE (All Branches) during the academic year 2018-2019 the Mandatory Courses were not offered during the I-semester or II –Semester may be compulsorily offered in either in III-semester or IV-semester **for the academic year 2019-2020 only**.

AICTE - M.C. II year CSE - 1604-18

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

(AICTE Model Curriculum for the Academic Year 2019-2020)

and

Syllabi

B.E. III and IV Semester

of

Four Year Degree Programme

in

Computer Science and Engineering

(With effect from the academic year 2019–2020)
(As approved in the faculty meeting held on 25-06-2019)

Issued by

Dean, Faculty of Engineering

Osmania University, Hyderabad – 500 007

2019

SCHEME OF INSTRUCTION & EXAMINATION
B.E. (Computer Science and Engineering) III – SEMESTER

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	MC112CE	Environmental Science	2	-	-	2	30	70	3	-
2	MC113PY	Essence of Indian Traditional Knowledge	2	-	-	2	30	70	3	-
3	HS204ME	Operations Research	3	-	-	3	30	70	3	3
4	BS206BZ	Biology for Engineers	3	-	-	3	30	70	3	3
5	ES214EC	Basic Electronics	2	-	-	2	30	70	3	2
6	ES216EC	Digital Electronics	3	-	-	3	30	70	3	3
7	PC221CS	Data Structures and Algorithms	3	-	-	3	30	70	3	3
8	PC222CS	Discrete Mathematics	3	-	-	3	30	70	3	3
9	PC223CS	Programming Languages	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
10	ES251EC	Basic Electronics Lab	-	-	2	2	25	50	3	1
11	PC252CS	Data Structures and Algorithms Lab	-	-	2	2	25	50	3	1
12	PC253CS	Advanced Computer Skills Lab	-	-	2	2	25	50	3	1
			24	**-**	**06**	**30**	**345**	**780**		**23**

HS: Humanities and Social Sciences BS: Basic Science ES: Engineering Science
MC: Mandatory Course PC: Professional Core
L: Lecture T: Tutorial P: Practical D: Drawing
CIE: Continuous Internal Evaluation SEE: Semester End Evaluation (Univ. Exam)

Note:

1. Each contact hour is a clock hour
2. The duration of the practical class is two hours, however it can be extended wherever necessary, to enable the student to complete the experiment.

3. All Mentioned **Mandatory Course** should be offered BE (All Branches) either in I-semester or II – Semester only **from the academic year 2019-2020.**
4. For those of the students admitted BE (All Branches) during the academic year 2018-2019 the Mandatory Courses were not offered during the I-semester or II –Semester may be compulsorily offered in either in III-semester or IV-semester **for the academic year 2019-2020 only.**

SCHEME OF INSTRUCTION & EXAMINATION
B.E. (Computer Science and Engineering) IV – SEMESTER

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	MC111PO	Indian Constitution	2	-	-	2	30	70	3	-
2	HS201EG	Effective Technical Communication in English	3	-	-	3	30	70	3	3
3	HS202CM	Finance and Accounting	3	-	-	3	30	70	3	3
4	BS205MT	Mathematics – III	3	-	-	3	30	70	3	3
5	ES215EC	Signals and Systems	2	-	-	2	30	70	3	2
6	PC231CS	OOP using JAVA	3	-	-	3	30	70	3	3
7	PC232CS	Computer Organization	3	-	-	3	30	70	3	3
8	PC233CS	Database Management Systems	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
9	PC261CS	Computer Organization Lab	-	-	2	2	25	50	3	1
10	PC262CS	OOP using JAVA Lab	-	-	2	2	25	50	3	1
11	PC263CS	Database Management Systems Lab	-	-	2	2	25	50	3	1
			22	**-**	**06**	**28**	**315**	**710**		**23**

HS: Humanities and Social Sciences BS: Basic Science ES: Engineering Science
MC: Mandatory Course PC: Professional Core
L: Lecture T: Tutorial P: Practical D: Drawing
CIE: Continuous Internal Evaluation SEE: Semester End Evaluation (Univ. Exam)

Note:

1. Each contact hour is a clock hour
2. The duration of the practical class is two hours, however it can be extended wherever necessary, to enable the student to complete the experiment.

3. All Mentioned **Mandatory Course** should be offered BE (All Branches) either in I-semester or II – Semester only **from the academic year 2019-2020.**
4. For those of the students admitted BE (All Branches) during the academic year 2018-2019 the Mandatory Courses were not offered during the I-semester or II –Semester may be compulsorily offered in either in III-semester or IV-semester **for the academic year 2019-2020 only.**

AICTE - M.C . II Year CIVIL - 1604-18

FACULTY OF ENGINEERING

Scheme of Instruction & Examination

(AICTE Model Curriculum for the Academic Year 2019-2020)

and

Syllabi

B.E. III and IV Semester

of

Four Year Degree Programme

in

Civil Engineering

(With effect from the academic year 2019– 2020)

(As approved in the faculty meeting held on 25-06-2019)

Issued by

Dean, Faculty of Engineering

Osmania University, Hyderabad – 500 007

2019

SCHEME OF INSTRUCTION & EXAMINATION
B.E. (Civil Engineering) III – SEMESTER

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	MC112CE	Environmental Science	2	-	-	2	30	70	3	-
2	MC113PY	Essence of Indian Traditional Knowledge	2	-	-	2	30	70	3	-
3	MC204CE	Overview of Civil Engineering*	1	-	-	1	30	-	-	-
4	HS203MP	Industrial Psychology	3	-	-	3	30	70	3	3
5	BS206BZ	Biology for Engineers	3	-	-	3	30	70	3	3
6	ES211CE	Engineering Mechanics	2	1	-	3	30	70	3	3
7	ES213ME	Energy Sciences and Engineering	2	-	-	2	30	70	3	2
8	PC221CE	Solid Mechanics	3	-	-	3	30	70	3	3
9	PC222CE	Engineering Geology	2	-	-	2	30	70	3	2
10	PC223CE	Surveying and Geomatics	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
11	PC251CE	Engineering Geology Lab	-	-	2	2	25	50	3	1
12	PC252CE	Surveying Lab	-	-	2	2	25	50	3	1
			23	**01**	**04**	**28**	**350**	**800**		**21**

HS: Humanities and Social Sciences BS: Basic Science ES: Engineering Science
MC: Mandatory Course PC: Professional Core
L: Lecture T: Tutorial P: Practical D: Drawing
CIE: Continuous Internal Evaluation SEE: Semester End Evaluation (Univ. Exam)

Note:

1. Each contact hour is a clock hour
2. The duration of the practical class is two hours, however it can be extended wherever necessary, to enable the student to complete the experiment.

3. All Mentioned **Mandatory Course** should be offered BE (All Branches) either in I-semester or II – Semester only **from the academic year 2019-2020**.
4. For those of the students admitted BE (All Branches) during the academic year 2018-2019 the Mandatory Courses were not offered during the I-semester or II –Semester may be compulsorily offered in either in III-semester or IV-semester **for the academic year 2019-2020 only**.

* Mandatory Course for Civil Engineering Students only

SCHEME OF INSTRUCTION & EXAMINATION
B.E. (Civil Engineering) IV – SEMESTER

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	MC111PO	Indian Constitution	2	-	-	2	30	70	3	-
2	HS201EG	Effective Technical Communication in English	3	-	-	3	30	70	3	3
3	HS202CM	Finance and Accounting	3	-	-	3	30	70	3	3
4	BS205MT	Mathematics – III	3	-	-	3	30	70	3	3
5	ES212ME	Elements of Mechanical Engineering	3	-	-	3	30	70	3	3
6	PC231CE	Mechanics of Materials and Structures	3	-	-	3	30	70	3	3
7	PC232CE	Fluid Mechanics	3	-	-	3	30	70	3	3
8	PC233CE	Materials: Testing and Evaluation	2	-	-	2	30	70	3	2
Practical/ Laboratory Courses										
9	PC261CE	Solid Mechanics Lab	-	-	2	2	25	50	3	1
10	PC262CE	Materials: Testing and Evaluation Lab	-	-	2	2	25	50	3	1
			22	**-**	**04**	**26**	**290**	**660**		**22**

HS: Humanities and Social Sciences BS: Basic Science ES: Engineering Science
MC: Mandatory Course PC: Professional Core
L: Lecture T: Tutorial P: Practical D: Drawing
CIE: Continuous Internal Evaluation SEE: Semester End Evaluation (Univ. Exam)

Note:

1. Each contact hour is a clock hour
2. The duration of the practical class is two hours, however it can be extended wherever necessary, to enable the student to complete the experiment.
3. All Mentioned **Mandatory Course** should be offered BE (All Branches) either in I-semester or II – Semester only **from the academic year 2019-2020**.
4. For those of the students admitted BE (All Branches) during the academic year 2018-2019 the Mandatory Courses were not offered during the I-semester or II –Semester may be compulsorily offered in either in III-semester or IV-semester **for the academic year 2019-2020 only**.

Faculty of Engineering

DEPARTMENT OF ELECTRICAL ENGINEERING

Scheme and Syllabi

of

M.E. (ELECTRICAL ENGG.)

(Full-Time)

Power Electronic Systems

(With effect from the Academic Year 2015-2016)

August2015

OsmaniaUniversity

Hyderabad - 500 007

SCHEME OF INSTRUCTION & EXAMINATION

M.E. (Electrical) 4 Semesters (Full Time)

S.No.	Course Title	Scheme of Instruction		Contact Hrs/wk	Scheme of Examination		Credits
		L/T	P		CIE	SEE	
Semester - I							
1.	Core	3	--	3	30	70	3
2.	Core	3	--	3	30	70	3
3.	Core / Elective	3	--	3	30	70	3
4.	Core / Elective	3	--	3	30	70	3
5.	Elective	3	--	3	30	70	3
6.	Elective	3	--	3	30	70	3
7.	Laboratory - I	--	3	3	50	--	2
8.	Seminar - I	--	3	3	50	--	2
	Total	**18**	6	**24**	**280**	**420**	**22**
Semester - II							
1.	Core	3	--	3	30	70	3
2.	Core	3	--	3	30	70	3
3.	Core / Elective	3	--	3	30	70	3
4.	Core / Elective	3	--	3	30	70	3
5.	Elective	3	--	3	30	70	3
6.	Elective	3	--	3	30	70	3
7.	Laboratory - II	--	3	3	50	--	2
8.	Seminar - II	--	3	3	50	--	2
	Total	**18**	6	**24**	**280**	**420**	**22**
Semester - III							
1.	(Dissertation + Dissertation Seminar)*	--	4	4	**100****		**8**
Semester – IV							
1.	Dissertation	--	6	6		**200**	**16**

CIE: Continuous Internal Evaluation; SEE: Semester End Evaluation

Note*: Six Core subjects, Six Elective subjects, Two Laboratory Courses and Two Seminars should normally be completed by the end of semester II* One Dissertation seminar presentation.*

*** 50 marks to be awarded by Supervisor and 50 marks to be awarded by viva-voice committeecomprising Supervisor and two internal faculty members*

DEPARTMENT OF MECHANICAL ENGINEERING

Scheme of Instruction and Syllabus of M.E. (Mechanical)

Specialization:

CAD/CAM

Full time / Part time (2015-16)

UNIVERSITY COLLEGE OF ENGINEERING
(Autonomous)
Osmania University
Hyderabad – 500 007, Telangana, INDIA

Scheme of Instruction & Examination

M.E. (Mechanical Engineering) 4 Semesters (Full Time)

Sl. No	Subject	Hours per week		Duration (Hrs)	Max. Marks		Credits
		L/T	D/P		SEE	CIE	
Semester - I							
1.	Core	3	--	3	70	30	3
2.	Core	3	--	3	70	30	3
3.	Core / Elective	3	--	3	70	30	3
4.	Core / Elective	3	--	3	70	30	3
5.	Elective	3	--	3	70	30	3
6.	Elective	3	--	3	70	30	3
7.	Laboratory - I	--	2½	2½	--	50	2
8.	Seminar – I	--	2½	2½	--	50	2
	Total	**18**	**5**	**23**	**420**	**280**	**22**
Semester - II							
1.	Core	3	--	3	70	30	3
2.	Core	3	--	3	70	30	3
3.	Core / Elective	3	--	3	70	30	3
4.	Core / Elective	3	--	3	70	30	3
5.	Elective	3	--	3	70	30	3
6.	Elective	3	--	3	70	30	3
7.	Laboratory - II	--	2½	2½	--	50	2
8.	Seminar - II	--	2½	2½	--	50	2
	Total	**18**	**5**	**23**	**420**	**280**	**22**
Semester - III							
1.	Project+ Seminar*	--	4	4	--	100**	8
Semester – IV							
1.	Dissertation	--	6	6	200		16

Note: Six core subjects, six elective subjects, two laboratory courses and two seminars should normally be completed by the end of semester II.

* *One project seminar presentation.*

** *50 marks to be awarded by guide and 50 marks to be awarded by viva-voice committee comprising Guide and two internal senior faculty members (subject experts)*

DEPARTMENT OF CIVIL ENGINEERING

Scheme of Instruction and Syllabus
of
M.E. (Civil Engineering)

Full time / Part time
(2015-16)

UNIVERSITY COLLEGE OF ENGINEERING
(Autonomous)
Osmania University
Hyderabad – 500 007, TS, INDIA

Scheme of Instruction & Examination

M.E. (Civil Engineering) 4 Semesters (Full Time)

Sl. No	Subject	Periods per Week		Duration (Hrs)	Max. Marks		Credits
		L/T	D/P		SEE	CIE	
Semester - I							
1.	Core	3	--	3	70	30	3
2.	Core	3	--	3	70	30	3
3.	Core / Elective	3	--	3	70	30	3
4.	Core / Elective	3	--	3	70	30	3
5.	Elective	3	--	3	70	30	3
6.	Elective	3	--	3	70	30	3
7.	Laboratory – I	--	2½	2½	--	50	2
8.	Seminar – I	--	2½	2½	--	50	2
	Total	**18**	**5**	**23**	**420**	**280**	**22**
Semester - II							
1.	Core	3	--	3	70	30	3
2.	Core	3	--	3	70	30	3
3.	Core / Elective	3	--	3	70	30	3
4.	Core / Elective	3	--	3	70	30	3
5.	Elective	3	--	3	70	30	3
6.	Elective	3	--	3	70	30	3
7.	Laboratory – II	--	2½	2½	--	50	2
8.	Seminar – II	--	2½	2½	--	50	2
	Total	**18**	**5**	**23**	**420**	**280**	**22**
Semester - III							
1.	Project+ Seminar*	--	4	4	--	**100****	**8**
Semester – IV							
1.	Dissertation	--	6	6	**200**	-	**16**

Note: Six core subjects, six elective subjects, Two Laboratory Courses and Two Seminars should normally be completed by the end of semester II.

* *One project seminar presentation.*

** *50 marks to be awarded by guide and 50 marks to be awarded by viva-voice committee comprising Guide and two internal senior faculty members (subject experts)*

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Scheme of Instruction

and

Syllabi of

M.Tech(Computer Science and Engineering)

2017-2018

UNIVERSITY COLLEGE OF ENGINEERING

(AUTONOMOUS)

OSMANIA UNIVERSITY

HYDERABAD – 500 007, TELANGANA

SCHEME OF INSTRUCTION
M.TECH (COMPUTER SCIENCE AND ENGINEERING)
Proposed from the Academic year 2017-18

SEMESTER - I

S.No	Course Code	Course Title	Scheme of Instruction		Contact Hrs/Wk	Scheme of Examination		Credits
			L/T	P		CIE	SEE	
1.	# Core	Core	3	--	3	30	70	3
2.	# Core	Core	3	--	3	30	70	3
3.	# Core/ *Elective	Core / Elective	3	--	3	30	70	3
4.	# Core/ *Elective	Core / Elective	3	--	3	30	70	3
5.	*Elective	Elective	3	--	3	30	70	3
6.	*Elective	Elective	3	--	3	30	70	3
Departmental Requirements								
7.	CS 5121	Software Lab - I	--	3	3	--	**--**	2
8.	CS 5122	Seminar - I	--	3	3	--	--	2
		Total	**18**	**6**	**24**	**280**	**420**	**22**

SEMESTER - II

S.No	Course Code	Course Title	Scheme of Instruction		Contact Hrs/Wk	Scheme of Examination		Credits
			L/T	P		CIE	SEE	
1.	# Core	Core	3	--	3	30	70	3
2.	# Core	Core	3	--	3	30	70	3
3.	# Core/ *Elective	Core / Elective	3	--	3	30	70	3
4.	# Core/ *Elective	Core / Elective	3	--	3	30	70	3
5.	*Elective	Elective	3	--	3	30	70	3
6.	*Elective	Elective	3	--	3	30	70	3
Departmental Requirements								
7.	CS 5123	Software Lab - II	--	3	3	--	**--**	2
8.	CS 5124	Seminar - II	--	3	3	--	--	2
		Total	**18**	**6**	**24**	**280**	**420**	**22**

SCHEME OF INSTRUCTION
M.TECH (COMPUTER SCIENCE AND ENGINEERING)
Proposed from the Academic year 2017-18

SEMESTER III

S.No	Course Code	Course Title	Scheme of Instruction		Contact Hrs/Wk	Scheme of Examination		Credits
			L/T	P		CIE	SEE	
1.	CS5125	Project Seminar	--	4	4	100**	--	8
		Total	**--**	**4**	**4**	**100**		**8**

***Project Seminar Evaluation:** 50 marks to be awarded by Supervisor and 50 marks to be awarded by Viva-Voce committee comprising Head, Supervisor and an Examiner.*

SEMESTER – IV

S.No	Course Code	Course Title	Scheme of Instruction		Contact Hrs/Wk	Scheme of Examination		Credits
			L/T	P		CIE	SEE	
1.	CS5126	Dissertation	--	6	6	---	200	16
		Total	**--**	**6**	**6**	**---**	**200**	**16**

Note: Six Core subjects, Six Elective subjects, Two Laboratory Courses and Two Seminars must be offered in Semester I and II.

HIERARCHAL ACADEMIC SYSTEM

The hierarchal academic system devised for the implementation of OBE system and to ensure improvement and implementation of pedagogical initiatives is listed below. The teaching-learning process and its assessment is monitored by

i. Programme Coordinator
ii. Module Coordinator
iii. Course Advisor
iv. Course Coordinator

The hierarchy of the faculty with respect to the Outcome Based Education System is presented as a flow chart in figure below. The structure has program coordinator at the top of the hierarchy, with the module coordinator reporting to program coordinator. Each module coordinator is responsible for a particular specialization of stream of subjects and the Course advisor and course coordinator report to the module coordinator. The duties and responsibilities of personnel serving at each level are clearly defined to facilitate smooth implementation.

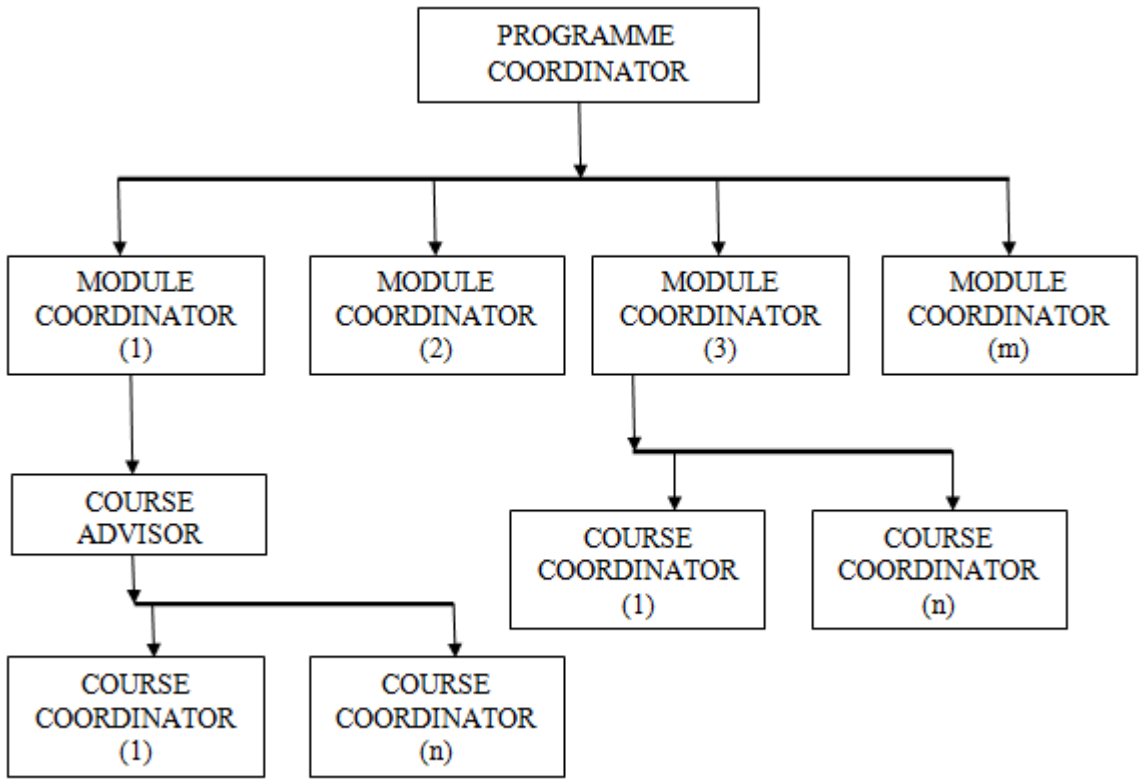


Figure: Academic structure for implementation of OBE

i. DUTIES AND RESPONSIBLITIES OF COURSE COORDINATOR

The course coordinator is responsible for planning, delivering and assessing the outcomes of the courses offered by him/her during the semester/year. Course coordinators are accountable to the Head of the Department for all academic and administrative activities associated with the course.

He/she has to work in coordination with the course advisor and module coordinator for the day to day activities and with the programme coordinator and the HOD for the overall course administration. The course coordinator is expected to maintain academic quality in knowledge, pedagogy and alignment of the learning activities with course outcomes and assessment. The duties and responsibilities of the course coordinator are divided into three phases; prior to start of the semester, during the semester and at the end of the semester.

The responsibility of the course coordinator as documented by NBA manual is to 'Monitor and review the activities related to attainment of course outcomes'. The following activities are proposed a follow up to the broad statement given by NBA.

Prior to Start of the Semester

1. Prepare the teaching schedule, ideally spread over 12-13 weeks of class work. Hence for 4 hours per week of theory course the number of planned classes would be between 48 to52.
2. Prepare the course file consisting of teaching schedule, lecture notes, assignment problems with solutions, old university question papers with solutions for at least three years, internal test question papers with solutions, tutorial sheets with solutions, teaching aids etc.
3. Prepare the Course Handout and submit it to the Module Coordinator/Programme Coordinator. The course handout needs to be signed by the course coordinator, module coordinator, programme coordinator and the Head of the Department.
4. Place the teaching schedule, syllabus (optional), Course Handout on the course coordinators webpage
5. Order textbooks/reference books for the course through the module coordinator who would in turn pass it on to the HOD for further processing

6. Develop valid and reliable methods to evaluate course learning outcomes.
7. Intimate the Module Coordinator, Programme Coordinator and HOD about any specific requirements for the course like field visits, guest lectures, seminars etc. for attainment of Course Outcomes
8. Plan a project/mini project/ R & D project and submit details to the module coordinator

During the course of the Semester

1. Make course outcomes clear to students and use engaging ways to begin the course.
2. Communicate clearly with the students and build on their prior knowledge and experience.
3. Follow the syllabus and teaching schedule so as to ensure that course coverage of all units takes place at the same pace. Substantial deviation from the teaching schedule must be approved by the module coordinator.
4. Maintain and update the electronic archive with intended course material, handouts, assignments, internal test papers, learning aids etc. in a timely fashion.
5. Conduct all the planned activities for attainment of the course outcomes
6. Attend the meetings with the module coordinator and furnish relevant information for review and audit of the course
7. Respond to the course advisor as and when approached for mutual discussions regarding course coverage, syllabus for internal assessments, grading of the test papers etc. in order to ensure uniformity between sections.
8. Be available at the designated location during the availability hours as indicated in the Course Handout

At the end of the Semester

1. Administer student evaluation form after completion of the course
2. Carry out the assessment as per laid down norms and provide the information to the Module coordinator
3. Attend the meeting with the Module Coordinator and submit the ‘course completion report’ in the prescribed format.
4. Carry out annual course review and provide written inputs for Programme Assessment Committee which would meet twice in a year, once after each semester.

ii. DUTIES AND RESPONSIBILITIES OF THE COURSE ADVISOR

Course advisor is designated wherever the same course is offered by different course coordinators to different sections/classes. The following are the envisaged duties of the course advisor:

- **i.** To review the teaching schedule of the coarse coordinators offering the same course
- **ii.** By virtue of being more experienced, to advise the other course coordinators regarding relative importance of the units, problems to be solved and pedagogy to be adopted for effective delivery of the course material.
- **iii.** To review the course coverage prior to the Internal Assessment tests in order to ensure comparable coverage for all sections
- **iv.** To review the grading of internal papers and ensure that evaluation errors (wrong totaling or oversight in evaluation of some answers) are corrected by the course coordinator. Erratic evaluation should be brought to the notice of the programme coordinator and the HOD for necessary action.
- **v.** In case of the First year courses and II year Mathematics III and IV courses, the course advisor should obtain the scheme of evaluation and the key from the module coordinator (Head of the Section) and ensure that fair evaluation is done.

iii. DUTIES AND RESPONSIBILITIES OF MODULE CO-ORDINATORS

Each module has a Module Coordinator who is designated by the Head of the Department and ratified by the Internal Quality Assurance Cell. Module Coordinators are responsible for the delivery of the teaching in individual modules and the accompanying administration.

The number of staff involved in teaching a specific module varies with the number of courses in the module. There may be some modules which contain only one course, in which case the course coordinator would also be the module coordinator. The module coordinator decides how to manage the course coordinators; informally in case of few teachers and by adopting a structured approach in case of several teachers. In each case documentation of the processes followed is mandatory.

Each programme may have typically 5 to 10 modules, headed by a module coordinator who typically is the most experienced teacher in that module. In basic sciences and Humanities the Head of the Section would serve as the module coordinator.

Before the commencement of the semester, the Module Coordinator will:

- Conduct a meeting of all the course coordinators in the module and explain the aims, objectives and expected learning outcomes of the module and each individual course in the module

- Brief the course coordinators on current state of knowledge and research in the area of the module
- Present an assessment of the student capabilities and highlight areas of possible learning difficulties
- Provide appropriate introduction as necessary to the new staff involved in teaching the module
- Review and ratify the teaching schedule, course outcomes, course files, lab manuals and proposed teaching and assessment strategy
- Discuss and approve suitable projects/mini projects in the module and assign them to the module teachers. Every teach should offer at least one project which could be a R & D project, a mini project or a final year project.

On commencement of the Semester, the Module Coordinator will:

- Address the classes and communicate clearly with the students about the relevance of the module, what they can expect from the module and its teachers and what is expected of them.
- Provide the students with a module handout outlining the module, relevance of the courses to the module and the expected application of the knowledge and skills gained through the module.
- Brief the students about the opportunities for employment and higher studies, both in India and abroad, in the areas of the module. Alumni assistance may be taken in this.

During the course of semester the module coordinator will:

- Monitor the coverage of syllabus by the course coordinators

- Obtain an oral feedback from the students to ascertain the strengths and weaknesses of teaching team vis. a vis. appropriateness of the course material and attainment of course outcomes

- Disseminate information about possible mini-projects/projects in the module and roll out details of the projects and the associated guides

- Conduct at least one meeting of the course coordinators during the semester

- Devise and implement suitable strategies to overcome shortcomings in the delivery of the module courses

- Review the assignments and other planned activities for attainment of course outcomes

- Review the internal test papers

On the completion of the semester the module coordinator will:

- Audit the sessional marks of the courses in the module. Get valuation errors corrected by the course coordinator and bring valuation inconsistencies to the notice of the Programme Coordinator and HOD.

- Analyses results of particular course and recommend the program coordinator and HOD to take appropriate action

- Make an assessment of the course outcomes in conjunction with the course coordinators

- Conduct a meeting of the course coordinators after module audit in order to disseminate and discuss the results and to decide upon any necessary action to be taken in response to the results.

Other General Responsibilities

1. Liaise with students, faculty, programme coordinator and Head of the Department to determine priorities and policies
2. Recommends and facilitates workshops, faculty development programs, meetings or conferences to meet the course outcomes
3. Responsible for assessment of the course outcomes

4. Advise library about recommended texts and references for procurement
5. In conjunction with the course coordinators provide annual updates for the module data base
6. Participate in the meetings of the Programme Assessment Committee
7. Module coordinators with over 10 years of experience may be permitted by the HOD to participate in the process of faculty selection in his/her area of specialization
8. When module coordinators send out emails to the students, the message should also copied to the Programme Coordinator and the Head of the Department

iv. DUTIES AND RESPONSIBILITIES OF PROGRAMME COORDINATOR

Every Programme has a designated Programme coordinator, appointed by the Head of the Institution. The Module coordinators report directly to the Programme Coordinator and in some instances the course coordinator may also report to the Programme coordinator.

The primary responsibilities of Programme Coordinator are as follows:

1. Monitor and review the academic activities of the program for all the four years independently through the Module Coordinators.
2. Ensure through module coordinators that the course coordinators prepare the course handouts, assessment plan, assignment sheets, and tutorial sheets well in advance of the semester commencement date.
3. Ensure that the course coordinators upload the mandatory course material on the student resources portal.
4. Schedule program work plan in accordance with specifications of program educational objectives and program outcomes

5. Oversees daily operations and coordinates activities of program with interrelated activities of other programs, departments or staff to ensure optimum efficiency and compliance with appropriate policies, procedures and specifications given by HOD.
6. Interact and maintain liaison with key stake holders, students, faculty,Department Head and employer.
7. Conduct and interpret various surveys required to assess POs and PEOs

Theory Course Assessment Methodology

For every theory courses, the attainment of CO is measured with respect to the following tools:

1. Class Test
2. University Examination
3. Assignment
4. Tutorial / group assignment / quiz etc.

The course coordinator prepares an Assessment plan for all the COs at the beginning of the semester and uploads it on the college web site. A sample of the Assessment plan is presented on the next page.

Attached to the assessment plan is the assessment matrix. During the course of the semester, the course coordinator enters the marks secured by the student under different assessment tools into the assessment matrix. At the end of the semester, the internal marks and the status of CO attainment is obtained from the assessment matrix.

Maximum University Marks	70
CO attainment threshold (40% of 70)	28
Maximum Internal Assessment marks (Scaled down)	30
CO attainment threshold (60% of 30)	18
Maximum University Marks + Maximum Internal Assessment marks	100
CO attainment threshold of University marks + Internal Assessment marks	46

MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY

MECHANICAL ENGINEERING DEPARTMENT

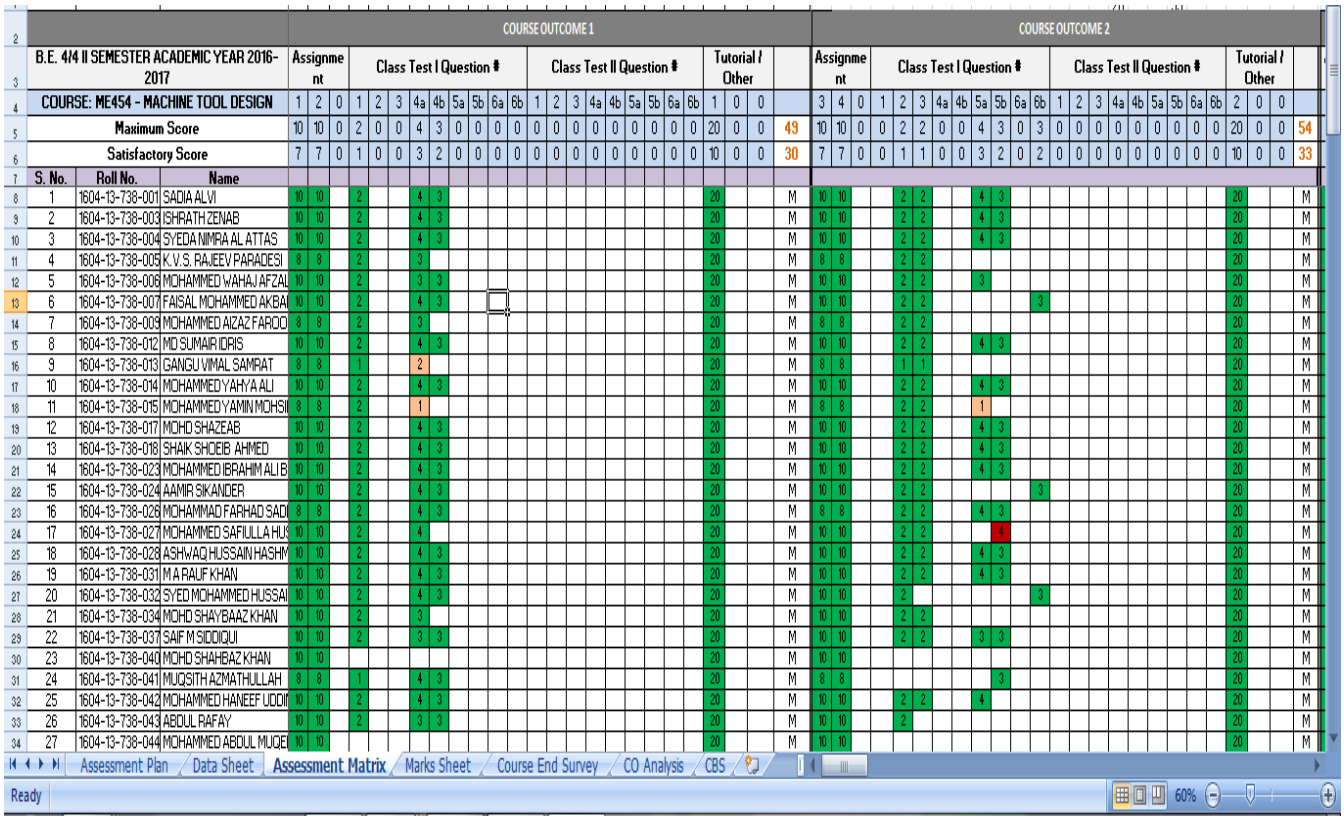
B.E. 4/4 II SEMESTER ACADEMIC YEAR 2016-2017

COURSE OUTCOME ASSESSMENT MATRIX

FACULTY: NBV LAKSHMI KUMARI | **COURSE: ME454 - MACHINE TOOL DESIGN** | **CLASS: 4/4 PRODUCTION**

Course Outcome #	Correlation with Units of Syllabus	Topics in syllabus	Identified Assessment tools	Assignment			Class Test I			Class Test II			Tutorial / CR Problem Solving / Quiz / Minute			Σ Total
				Question Number	Maximum Score	Satisfactory Score	Question Number	Maximum Score	Satisfactory Score	Question Number	Maximum Score	Satisfactory Score	Question Number	Maximum Score	Satisfactory Score	
I	UNIT-I	Classification of machine tools. Mechanisms for converting rotary to linear motion and intermittent motion.. Kinematic structures of machine tools general purpose special purpose, automatic screw cutting machines. Basic features of transfer machines. Numerical control of machine tools. Schematic diagram of NC systems.	CLASS TEST 1,ASSIGNMENT AND QUIZ TEST	1	10	7	1	2	1	1			1	20	10	61
				2	10	7	2			2						
							3			3						
				NOT APPLICABLE			4a	4	3	4a			NOT APPLICABLE			
							4b	3	2	4b						
							5a			5a						
							5b			5b						
							6a			6a						
							6b			6b						
				Total	20	14	Total	9	6	Total	0	0	Total	20	10	
II	UNIT-II	Drives of machine tools; selection of range of speeds and feeds. Speed layout in A.P, G.P and logarithmic progression. Standardization of speeds and feeds. Productivity loss.. Selection of highest and lowest speeds, range ratio. Design of ray diagram and speed spectrum diagram for machine tool gear boxes.. Design of number of teeth and module of gears in gear box design. Rules for the layout of gear box	CLASS TEST 1,ASSIGNMENT AND QUIZ TEST	3	10	7	1			1			2	20	10	61
				4	10	7	2	2	1	2						
							3	2	1	3						
				NOT APPLICABLE			4a			4a			NOT APPLICABLE			
							4b			4b						
							5a	4	3	5a						
							5b	3	2	5b						
							6a			6a						
							6b	3	2	6b						
				Total	20	14	Total	14	9	Total	0	0	Total	20	10	
III	UNIT-III	Spindle units Spindle units of lathe ,drilling ,milling and grinding machines Materials for spindles, Spindle design Effect of clearance of on rigidity of spindles. Hydro-Dynamic and Hydro-Static bearings, Requirements of spindle bearings.	CLASS TEST 2,ASSIGNMENT AND QUIZ TEST	7	10	7	1			1			4	20	10	61
				8	10	7	2			2	2	1				
							3			3						
				NOT APPLICABLE			4a			4a			NOT APPLICABLE			
							4b			4b						
							5a			5a	4	3				
							5b			5b	3	2				
							6a			6a						
							6b			6b						
				Total	20	14	Total	0	0	Total	3	6	Total	20	10	
IV	UNIT-IV	Hydraulic controls Various controls used in machine tools Hydraulic and pneumatic systems used in machine tools Positive displacement Pumps. Power pack, Relief Valves, Flow control Valves,Multi-position valves, Filters ,Accumulators Speed regulation of surface grinding machines Hydro-Copying systems	CLASS TEST 2,ASSIGNMENT AND QUIZ TEST	9	10	7	1			1			5	20	10	61
				10	10	7	2			2						
							3			3	2	1				
				NOT APPLICABLE			4a			4a			NOT APPLICABLE			
							4b			4b						
							5a			5a						
							5b			5b						
							6a			6a	4	3				
							6b			6b	3	2				
				Total	20	14	Total	0	0	Total	3	6	Total	20	10	

Assessment Plan | Data Sheet | Assessment Matrix | Marks Sheet | Course End Survey | CO Analysis | CBS



| B.E. 4/4 II SEMESTER ACADEMIC YEAR 2016-2017 | | | Assignment | | | Class Test I Question # | | | | | | | | | | | | | | | | | | Class Test II Question # | | | | | | | | | | | | | | | | Tutorial / Other | | | | Assignment | | | Class Test I Question # | | | | | | | | | | | | | | | | Class Test II Question # | | | | | | | | | | | | | | | | Tutorial / Other | | | |
|---|---|---

Muffakham Jah College of Engineering and Technology
(SULTAN-UL-ULOOM EDUCATION SOCIETY)

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT

B.E(CSE) I Semester

Year	Course Code	Course Title	sec	Course Coordinator	Course Advisor	Module Coordinator
II	MT 201	Maths III	A	Dr.Abdul Majeed	Dr.Abdul Majeed	Dr.Abdul Majeed
			B	Dr.Abdul Majeed		
	CS201	Data Structure using C++	A	Ms.Farheen Iqbal	Mr..Himayat ullah Sharief	Mr..Himayat ullah Sharief
			B	Mr..Himayat ullah Sharief		
	CS202	Discrete Structure	A	Mr.Salman Ali	Mr.Salman Ali	Ms.Nuzhat Sultana
			B	Mr.Salman Ali		
	CS203	Logic and Switching Theory	A	Mrs.Syeda Ambareen Rana	Mrs.Syeda Ambareen Rana	Mrs.Afreen Sultana
			B	Mrs.Syeda Ambareen Rana		
	CS204	Computer Architecture	A	Ms.Naimunissa Begum	Ms.Naimunissa Begum	Mrs.Afreen Sultana
			B	Ms.Naimunissa Begum		
	EC222	Basic Electronics	A	Mr.Muneer Uddin	Mr.Muneer Uddin	Mr.Muneer Uddin
			B	Ms.Salma Fouzia		
	CS231	Data Structure Lab using C++	A	Ms.Farheen Iqbal/Mr.Salman Ali	Mr..Himayat ullah Sharief	Mr..Himayat ullah Sharief
			B	Mr..Himayat ullah Sharief/Mr.Ghouse Baig		
	EC242	Basic Electronics Lab	A	Mr.Muneer Uddin/Mr.Sabir Hussain	Mr.Muneer Uddin	Mr.Muneer Uddin
			B	Ms.Salma Fouzia/Mr.Muneer Uddin		
III	CS301	Database Management Systems	A	Mr. Zainuddin Naveed	Mr.Mahmood Ali	Mr.Mahmood Ali
			B	Mr.Mahmood Ali		
	CS302	Operating	A	Mrs.K.Sridevi	Mr.Mohd Nazeer	Ms.Gouri Patil

		Systems	B	Mr.Mohd Nazeer		
	CS303	Automata,Languages and Computation	A	Mrs.Nuzhat Sultana	Mrs.Nuzhat Sultana	Mrs.Nuzhat Sultana
			B	Mr.S.Akbar Hashmi		
	CS304	Software Engineering	A	Mr.A.A.Moiz Qyser/ Mr.Khaja Zahoor Uddin Ahmed	Mr.A.A.Moiz Qyser	Mr.A.A.Moiz Qyser
			B			
	CS371	Managerial Economics and Accountancy	A	Part Timer	Part Timer	Part Timer
			B			
	CS305	Design and Analysis of Algorithms	A	Mr. Venkata Subba Reddy	Mr. Venkata Subba Reddy	Mr..Himayat ullah Sharief
			B			
	CS331	Database Management Systems Lab	A	Mr.Mahmood Ali /Mr. Zainuddin Naveed	Mr.Mahmood Ali	Mr.Mahmood Ali
			B			
	CS332	Operating Systems Lab	A	Mr.Mohd Nazeer /Mrs.K.Sridevi	Mr.Mohd Nazeer	Ms.Gouri Patil
			B			
	CS333	Mini Project Lab	A	Mr.Saleem Khan	Mr.S.Akbar Hashmi	Mr .Sharfuddin
			B	Mr.S.Akbar Hashmi		
IV	CS401	Distributed Systems	A	Mr.Ahmed	Mr.Ahmed	Ms.Gouri Patil
			B	Mr.Mir Ahmed Ali		
	CS402	Artificial Intelligence	A	Mr.Mohd. Imran	Mr.Mohd. Imran	Ms.Fahmina Taranum
			B			
	CS403	Information Security	A	Mr.Saleem Khan	Mr.Saleem Khan	Mr.Ahmed
			B	Mr.Ghouse Baig		
	CS404	Principles of Embedded Systems	A	Mr.Syed Mohiuddin	Ms.Gouri Patil	Mrs.Afreen Sultana
			B	Ms.Gouri Patil		
	CS411	Software Project Management	A	Mr.Sharfuddin	Mr.Sharfuddin	Dr.A.A Moiz Qyser
			B			
	CS431	Distributed Systems Lab.	A	Mr.Ahmed /Mr.Akbar Hashmi	Mr.Akbar Hashmi	Ms.Gouri Patil
			B	Mr.Mir Ahmed Ali/Mohd Imran		
	CS432	Embedded Systems Lab	A	Mr.Syed Mohiuddin/ Mr.Saleem Khan	Mr.Syed Mohiuddin	Mrs.Afreen Sultana
			B	Ms.Gouri Patil / Mr. Venkata Subba Reddy		

	CS433	Projects Seminar	A	Ms.Nuzhat Sultana Ms.Afreen Sultana Mrs.Syeda Ambareen Rana	Ms.Afreen Sultana	Dr.A.A Moiz Qyser
			B	Ms.Gouri Patil Ms.Fahmina Taranum Ms.Naimunissa Begum	Ms.Gouri Patil	

M.TECH(CSE)

TABLE FOR COURSE COORDINATOR PRIORITY LISTING OF COURSE COORDINATORS, COURSE ADVISOR AND MODULE COORDINATORS

M.Tech I Sem(CSE)

Course Code	Course Title	Course Coordinator	Course Advisor	Module Coordinator	Remarks
CS501	Advanced Algorithms	Mir Arshad Ali	Mir Arshad Ali	Mr..Himayat ullah Sharief	
CS502	Advanced Operating Systems	Ms.Manjusha Prasad	Ms.Manjusha Prasad	Ms.Gouri Patil	
CS503	Artificial Intelligence	Dr.Udai Kumar	Dr.Udai Kumar	Ms.Fahmina Taranum	
CS504	Object Oriented Software Engineering	Mr.Sharfuddin	Mr.Sharfuddin	Dr.A.A Moiz Qyser	
CS551	Mobile Computing	Ms.Fahmina Taranum	Ms.Fahmina Taranum	Mr.Ahmed	Elective I
CS552	Real Time Systems	Ms.Afreen Sultana	Ms.Afreen Sultana	Ms.Gouri Patil	Elective II
CS531	Advanced Algorithm and OOSE	Mir Arshad Ali/ Mr.Sharfuddin	Mr.Sharfuddin	Dr.A.A Moiz Qyser	Software Lab I
CS532	Seminar I	Dr.Udai Kumar/ Ms.Fahmina Taranum	Dr.Udai Kumar	Dr.A.A Moiz Qyser	

TABLE FOR MODULE COORDINATOR PRIORITY LISTING OF COURSE COORDINATORS, COURSE ADVISORS AND MODULE COORDINATORS

Year	Course Code	Course Title	Section	Course Coordinator	Course Advisor	Module Coordinator	Remarks (Titles)
III (I sem)	CS304	Software Engineering	A	Mr.A.A.Moiz Qyser/ Mr.Khaja Zahoor Uddin Ahmed	Mr.A.A.Moiz Qyser	**Dr.A.A Moiz Qyser**	Software Engineering
			B				
III (IIsem)	CS 354	Object oriented System Design	-	-	-		
	CS 382	OOSD Lab	-	-	-		
IV (I sem)	CS 411	Software Project Management	A	Mr.Sharfuddin	Mr.Sharfuddin		
IV (II sem)	CS463	Software Quality and Testing	-	-	-		
M.Tech I sem	CS504	Object Oriented Software Engineering	-	Mr.Sharfuddin	Mr.Sharfuddin		
II(Isem)	CS202	Discrete Structure	A, B	Mr.Salman Ali	Mr.Salman Ali	**Ms.Nuzhat Sultana**	Language Processing
III (I sem)	CS303	Automata Language and computation	A	Mrs.Nuzhat Sultana	Mrs.Nuzhat Sultana		
			B	Mr.S.Akbar Hashmi			
III (II sem)	CS352	Compiler construction	-	-	-		
	CS383	Compiler construction Lab	-	-	-		
III (I sem)	CS302	Operating Systems	A	Ms.K.Sridevi	Mr.Mohd. Nazeer	**Ms.Gouri Patil**	Advanced Operating Systems
			B	Mr.Mohd.Nazeer			
	CS332	Operating Systems Lab	A	Mr.Mohd Nazeer /Mrs.K.Sridevi	Mr.Mohd. Nazeer		
			B	Mr.Mohd Nazeer /Mrs.K.Sridevi			
IV (I sem)	CS401	Distributed systems	A	Mr.Ahmed	Mr.Ahmed		
			B	Mr.Mir Ahmed Ali			
	CS431	Distributed systems Lab	A	Mr.Ahmed/Mr.Akbar Hashmi	Mr.Akbar Hashmi		
			B	Mr.Ahmed			

				/Mr.Mohd.Imran			
M.Tech Isem	CS 512	Real Time system	-	Ms.Afreen Sultana	Ms.Afreen Sultana		
M.Tech(CSE) I sem	CS 502	Advanced Operating Systems	-	Ms.P.Manjusha	Ms.P.Manjusha		
II (II sem)	CS251	OOPs using Java	-	-	-	**Mr.Syed Mohiuddin**	
	CS381	Java Lab	-	-	-		
III (II sem)	CS351	Web Programming and Services	-	-	-		
	CS381	WPS & CN Lab	-	-	-		
II (I sem)	CS2503	Logic and Switching Theory	A	Mrs.Syeda Ambareen Rana	Mrs.Syeda Ambareen Rana	**Mrs.Afreen Sultana**	System Architecture and Interfacing
			B	-	-		
II (I sem)	CS204	Computer Architecture	A	Mrs.Sridevi Kotari	Ms.Naimonnisa Begum		
			B	Ms.Naimonnisa Begum			
III (II sem)	CS 252	Microprocessor and Interfacing	-	-	-		
	CS282	Microprocessor Lab	-	-	-		
IV (Isem)	CS404	Principles and Application of Embedded Systems	A	Mr.Syed Mohiuddin	Mr.Gouri Patil		
			B	Mr.Gouri Patil			
	CS432	Embedded Systems Lab	A	Mr.Syed Mohiuddin / Mr.Saleem Khan	Mr.Syed Mohiuddin		
			B	Mr.Gouri Patil / Mr.Venkata Subba Reddy			
II (I sem)	CS201	Data Structures using C++	A	Ms.Farheen Iqbal	Mr..Himayat ullah Sharief	**Mr..Himayat ullah Sharief**	Analysis of Data Structures and Algorithms
			B	Mr..Himayat ullah Sharief			
	CS231	Data Structures Lab using C++	A	Ms.Farheen Iqbal/Mr.Salman Ali			

			B	Mr..Himayat ullah Sharief/Mr.Ghouse Baig			
III (I sem)	CS305	Design Algorithm and Analysis	A	Mr.Venkata Subba Reddy	Mr.Venkata Subba Reddy		
			B				
M.Tech I sem	CS 501	Advanced Algorithms	-	Mr.Arshad Ali	Mr.Arshad Ali		
III (I sem)	CS301	DataBase Management Systems	A	Mr.Zainuddin Naveed	Mr.Mahmood Ali	**Mr.Mahmood Ali**	Data Storage and Analysis
			B	Mr.Mahmood Ali			
	CS331	DataBase Management Systems Lab	A	Mr.Mahmood Ali /Mr. Zainuddin Naveed			
			B				
IV (II sem)	CS451	Data Mining	-	-	-		
	CS 481	Data Mining Lab	-	-	-		
IV (II sem)	CS471	Information Retrieval Systems	-	-	-		
III (II sem)	CS253	Data Communication	-	-	-	**Mr.Ahmed**	Data and computer communication
III (II sem)	CS355	Computer Networks	-	-	-		
IV (I sem)	CS403	Information Security	A	Mr.Saleem Khan	Mr.Saleem Khan		
			B	Mr.Ghouse Baig			
Mtech I sem	CS511	Mobile Computing	-	Ms.Fahmina Taranum	Ms.Fahmina Taranum		
III (II sem)	CS353	Principles of Programming Languages				**Ms.Fahmina Taranum**	Semantics Paradigm
B.E IV I sem	CS402	Artificial Intelligence	A, B	Mr.Mohd Imran	Mr.Mohd Imran		
M.Tech I sem	CS503	Artificial Intelligence	-	Mr.Udai Kumar	Mr.Udai Kumar		
III (I Sem)	CS 333	Mini Project	-	-	-	**Mr.Mohd Sharfuddin**	Micro Project
III (II sem)	CS384	Mini Project	A	Mr.Saleem Khan	Mr.Akbar Hashmi		
			B	Mr.Akbar Hashmi			
IV (I Sem)	CS433	Project Seminars	A	Ms.Afreen Sultana/ Ms.Nuzhat sultana/	Ms.Afreen Sultana	**Dr.A.A Moiz Qyser**	

				Ms.Ambreen Rana			
			B	Ms.Gouri Patil/Ms.Fahmina Taranum/Ms.Naimunissa	Ms.Gouri Patil		Projects
IV (II Sem)	CS483	Project	A & B	All Faculty Members	-		
IV (II Sem)	CS 482	Seminars		-	-		
I	CS101	Programming in C and C++	-	Group I Group II Group III	Ms.Manjusha Mr.Ahmed Ali Mr.J.Srinivas	**Mr.J.Srinivas**	Group I(cse+it) II(mech+civil+prod) III(eee+ece+eie)
Service Courses							
II (I sem)	EC222	Basic Electronics	A	Mr.Muneer Uddin	Mr.Muneer Uddin	**Mr.Muneer Uddin**	ECE Dept.
			B	Ms.Salma Fouzia			
	EC242	Basic Electronics Lab	A	Mr.Muneer Uddin/Mr.Sabir Hussain			
			B	Mr.Muneer Uddin/ Ms.Salma Fouzia			
II(I sem)	MT 201	Maths III	A B	Dr.Abdul Majeed	Dr.Abdul Majeed	**Dr.Abdul Majeed**	Maths Dept.
III(I sem)	CM 371	Managerial Economics and Accountancy	-	Part Timer	Part Timer	Part Timer	Management Module

MUFFAKHAM JAH
COLLEGE OF ENGINEERING & TECHNOLOGY

ELECTRICAL ENGINEERING DEPARTMENT

Date: 29/10/2019

NOTICE

B. E. I SEMESTER

The remedial classes for **Basic Electrical Engineering** are arranged for the students as per the schedule given below. The students other than the Roll Nos. given if interested can also attend the same. The remedial classes starts from 02/11/2019 and will continue till the end of semester. The remedial classes will be conducted in the respective class rooms.

S. No.	Branch	Roll No.	No. of students	Faculty	Day Period
1.	ECE – A	09, 30, 31, 34, 37, 42, 43, 44, 45, 49, 54 58, 60	13	Mr. G. Ravi Kiran	Day 4 Thursday 5,6 Period
2.	ECE – B	63, 66, 74, 79, 82, 90, 92, 94 96, 97, 99, 102, 103, 105, 111, 116, 117, 118, 119, 120	20	Mr. K. Md. Rafi	Day 6 Saturday 5,6 Period
3.	Mech. – A	19, 24, 29, 30, 32 34, 35, 36, 37, 42, 44, 46, 47, 51, 53, 60	16	Mr. Md. Jaffar	Day 2 Tuesday 5,6 Period
4.	Mech. – B	64, 66, 75, 78, 85, 88, 91, 95, 97, 102, 104, 108, 111, 116,	14	Dr. Md. Sajid	Day 2 Tuesday 5,6 Period
5.	IT – A	06, 08, 09, 11, 12, 21, 25, 27, 30, 34, 40, 41, 43, 44, 48, 49, 52, 56, 58, 60	20	Mrs. Bibi Maryam	Day 2 Tuesday 5,6 Period
6.	IT – B	66, 67, 73, 76, 78, 79, 80, 82, 95, 99, 102, 103, 104, 110, 111, 114, 115, 117, 118	19	Mr. P. K. Joshi	Day 1 Monday 5,6 Period
7.	Prod.	001 to 046	46	Mr. Arshad Mohammad	Day 1 Monday 5,6 Period

Head, EED

Dean Academics

Advisor-cum-Director

MUFFAKHAM JAH COLLEGE OF ENGINEERING & TECHNOLOGY

REMEDIAL CLASSES TIME TABLE FOR ALL WEAK STUDENTS 2018-19

Class: B.E II-Semester mathematics-II **w.e.f: 1-4-2019**

	1	2	3	4		5	6
	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 01:00		1:45 - 2:45	2:45 - 3:45
DAY 1						ECE-A (AM)	
DAY 2	CIV-A (IA)					MECH-B (SAH)	EIE (VV)
DAY 3	CIV-B (IA)				LUNCH	EEE (V.VIMALA)	MECH-A (SAH)
DAY 4	IT-B(VV) CSE-A(RS) PROD(IA)						IT-A (VV)
DAY 5						CSE-B(SAH) ECE-B(AM)	

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TIME TABLE INCHARGE

ADVISOR-CUM-DIRECTOR

MUFFAKHAM JAH COLLEGE OF ENGINEERING & TECHNOLOGY

B E I year II sem

List of weak students in Mathematics-II

Section	Roll No.s	Total
IT-A	21,32,34,40,51	5
IT-B	74,82,90,99,100,102,113,117	8
EIE	6,12,13,14,25,34,35,37,39,40,42,44,46,50,54,57,58,59	18
MECH-A	3,15,17,18,21,27,30,33,36,37,39,42,47,48,52,58,59	17
MECH-B	67,77,78,82,87,90,93,96,99,101,102,103,105,108,111,112,113,114,115,116,118	21
CSE-A	6,40,52,55,58	5
CSE-B	69,80,90,93,102,106,117,120	8
CIVIL-A	6,16,21,22,24,25,27,28,31,34,36,37,40,41,43,44,45,46,49,50,51,52,56,58,60	25
CIVIL-B	67,68,74,80,83,89,92,94,98,99,101,104,107,109,113,114,115,118,120	19
PROD	1,2,3,4,11,12,13,16,18,19,20,22,24,25,26,27,28,29,30,31,35,36,37,38,40,41,42,43, 44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60	45
EEE	5,12,16,25,26,34,36,42,46,48,50,53,57,58,59,60	16
ECE-A	6,8,36,40,45,47,49,53,55,56,57,60	12
ECE-B	66,82,90,92,95,98,101,103,104,106,107,110,120	13

Head

Basic Sciences & Humanities

MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY

B.E. I SEMESTER

GROUP – A (ECE, IT, MECH AND PROD)

TIME TABLE OF VIDEO SESSIONS W.E.F: 19TH AUGUST 2019 ROOM NO.-5103

Branch / Session	ECE A	ECE B	IT A	IT B	MECH - A	MECH - B	PROD
1	PHYSICS (2:45PM-3:45PM) 19TH AUG	PHYSICS (12:00N-1:00PM) 20TH AUG	PHYSICS (9:00AM-10:00AM) 23RD AUG	PHYSICS (9:00AM-10:00AM) 20TH AUG	PHYSICS (12:00N-1:00PM) 19TH AUG	PHYSICS (9:00AM-10:00AM) 21ST AUG	PHYSICS (2:45PM-3:45PM) 21ST AUG
2	MATHS-I (RS) (2:45PM-3:45PM) 26TH AUG	MATHS-I (RS) (12:00N-1:00PM) 27TH AUG	MATHS-I(HR) (9:00AM-10:00AM) 30TH AUG	MATHS-I(SAH) (9:00AM-10:00AM) 27TH AUG	MATHS-I(SM) (12:00N-1:00PM) 26TH AUG	MATHS-I(VV) (9:00AM-10:00AM) 28TH AUG	MATHS-I(VV) 2:45PM-3:45PM) 28TH AUG
3	BEE (2:45PM-3:45PM) 9TH SEPT	BEE (12:00N-1:00PM) 3RD SEPT	BEE (9:00AM-10:00AM) 6TH SEPT	BEE (9:00AM-10:00AM) 3RD SEPT	BEE (12:00N-1:00PM) 9TH SEPT	BEE (9:00AM-10:00AM) 4TH SEPT	BEE (2:45PM-3:45PM) 4TH SEPT
4	DEPT (2:45PM-3:45PM) 16TH SEPT	DEPT (12:00N-1:00PM) 17TH SEPT	DEPT (9:00AM-10:00AM) 13TH SEPT	DEPT (9:00AM-10:00AM) 17TH SEPT	DEPT (12:00N-1:00PM) 16TH SEPT	DEPT (9:00AM-10:00AM) 11TH SEPT	DEPT (2:45PM-3:45PM) 11TH SEPT
5	PHYSICS (2:45PM-3:45PM) 23RD SEPT	PHYSICS (12:00N-1:00PM) 24TH SEPT	PHYSICS (9:00AM-10:00AM) 20TH SEPT	PHYSICS (9:00AM-10:00AM) 24TH SEPT	PHYSICS (12:00N-1:00PM) 23RD SEPT	PHYSICS (9:00AM-10:00AM) 18TH SEPT	PHYSICS (2:45PM-3:45PM) 18TH SEPT
6	MATHS-I(RS) (2:45PM-3:45PM) 30TH SEPT	MATHS-I(RS) (12:00N-1:00PM) 1ST OCT	MATHS-I(HR) (9:00AM-10:00AM) 27TH SEPT	MATHS-I(SAH) I(9:00AM-10:00AM) 1ST OCT	MATHS-I(SM) (12:00N-1:00PM) 30TH SEPT	MATHS-I(VV) (9:00AM-10:00AM) 25TH SEPT	MATHS-I(VV) (2:45PM-3:45PM) 25TH SEPT
7	BEE (2:45PM-3:45PM) 14TH OCT	BEE (12:00N-1:00PM) 15TH OCT	BEE (9:00AM-10:00AM) 18TH OCT	BEE (9:00AM-10:00AM) 15TH OCT	BEE (12:00N-1:00PM) 14TH OCT	BEE (9:00AM-10:00AM) 16TH OCT	BEE (2:45PM-3:45PM) 16TH OCT

8	**PHYSICS (2:45PM-3:45PM) 21ST OCT**	**PHYSICS (12:00N-1:00PM) 22ND OCT**	**PHYSICS (9:00AM-10:00AM) 25TH OCT**	**PHYSICS (9:00AM-10:00AM) 22ND OCT**	**PHYSICS (12:00N-1:00PM) 21ST OCT**	**PHYSICS (9:00AM-10:00AM) 23RD OCT**	**PHYSICS(2:45PM-3:45PM) 23RD OCT**
9	**MATHS-I(RS) (2:45PM-3:45PM) 28TH OCT**	**MATHS-I(RS) (12:00N-1:00PM) 29TH OCT**	**MATHS-I(HR) (9:00AM-10:00AM) 1ST NOV**	**MATHS-I(SAH) (9:00AM-10:00AM) 29TH OCT**	**MATHS-I(SM) (12:00N-1:00PM) 28TH OCT**	**MATHS-I(VV) (9:00AM-10:00AM) 30TH OCT**	**MATHS-I(VV) (2:45PM-3:45PM) 30TH OCT**
10	**BEE (2:45PM-3:45PM) 4TH NOV**	**BEE (12:00N-1:00PM) 5TH NOV**	**BEE (9:00AM-10:00AM) 8TH NOV**	**BEE (9:00AM-10:00AM) 5TH NOV**	**BEE (12:00N-1:00PM) 4TH NOV**	**BEE (9:00AM-10:00AM) 6TH NOV**	**BEE (2:45PM-3:45PM) 6TH NOV**

Sd/-

Dean Academics

MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY

B.E. I SEMESTER

GROUP – B (CIVIL, CSE, EEE AND EIE)

TIME TABLE OF VIDEO SESSIONS

W.E.F: 19TH AUGUST 2019 **ROOM NO.-5103**

Branch / Session	Civil A	Civil B	CSE A		CSE B		EEE		EIE	
1	CHEMISTRY (9:00AM-10:00AM) 22ND AUG	CHEMISTRY (11:00AM-12:00N) 31ST AUG	CHEMISTRY (1:45PM-2:45PM) 22ND AUG	MATHS-I(IA) (2:45-3:45PM) 22ND AUG	CHEMISTRY (1:45PM-2:45PM) 23RD AUG	MATHS-I (IA) (2:45PM-3:45PM) 23RD AUG	CHEMISTRY (1:45PM-2:45PM) 20TH AUG	MATHS-I(VV) (2:45PM-3:45PM) 20TH AUG	CHEMISTRY (1:45PM-2:45PM) 31ST AUG	MATHS-I(SM) (2:45-3:45PM) 31ST AUG
2	MATHS-I(SAH) (9:00AM-10:00AM) 29TH AUG	MATHS-I(IA) (11:00AM-12:00N) 7TH SEPT	PPS (1:45PM-2:45PM) 29TH AUG	DEPT (2:45-3:45) 29TH AUG PM	PPS (1:45PM-2:45PM) 30TH AUG	DEPT (2:45PM-3:45PM) 30TH AUG	PPS (1:45PM-2:45PM) 27TH AUG	DEPT (2:45PM-3:45PM) 27TH AUG	PPS (1:45PM-2:45PM) 7TH SEPT	DEPT (2:45PM-3:45PM) 7TH SEPT
3	PPS (9:00AM-10:00AM) 5TH SEPT	PPS (11:00AM-12:00N) 21ST SEPT	CHEMISTRY (1:45PM-2:45PM) 5TH SEPT	MATHS-I(IA) (2:45-3:45PM) 5TH SEPT	CHEMISTRY (1:45PM-2:45PM) 6TH SEPT	MATHS-I(IA) (2:45-3:45PM) 6TH SEPT	CHEMISTRY (1:45PM-2:45PM) 3RD SEPT	MATHS-I(VV) (2:45-3:45PM) 3RD SEPT	CHEMISTRY (1:45PM- 2:45PM) 21ST SEPT	MATHS-I(SM) (2:45-3:45PM) 21ST SEPT
4	DEPT (9:00AM-10:00AM) 12TH SEPT	DEPT (11:00AM-12:00N) 19TH OCT	PPS (1:45PM-2:45PM) 12TH SEPT		PPS (1:45PM-2:45PM) 13TH SEPT		PPS (1:45PM-2:45PM) 17TH SEPT		PPS (1:45PM-2:45PM) 19TH OCT	
5	CHEMISTRY (9:00AM-10:00AM) 19TH SEPT	CHEMISTRY (11:00AM-12:00N) 26TH OCT	CHEMISTRY (1:45PM-2:45PM) 19TH SEPT	MATHS-I(IA) (2:45-3:45PM) 19TH SEPT	CHEMISTRY (1:45PM-2:45PM) 20TH SEPT	MATHS-I(IA) (2:45-3:45PM) 20TH SEPT	CHEMISTRY (1:45PM-2:45PM) 24TH SEPT	MATHS-I(VV) (2:45-3:45PM) 24TH SEPT	CHEMISTRY (1:45PM-2:45PM) 26TH OCT	MATHS-I(SM) (2:45-3:45PM) 26TH OCT

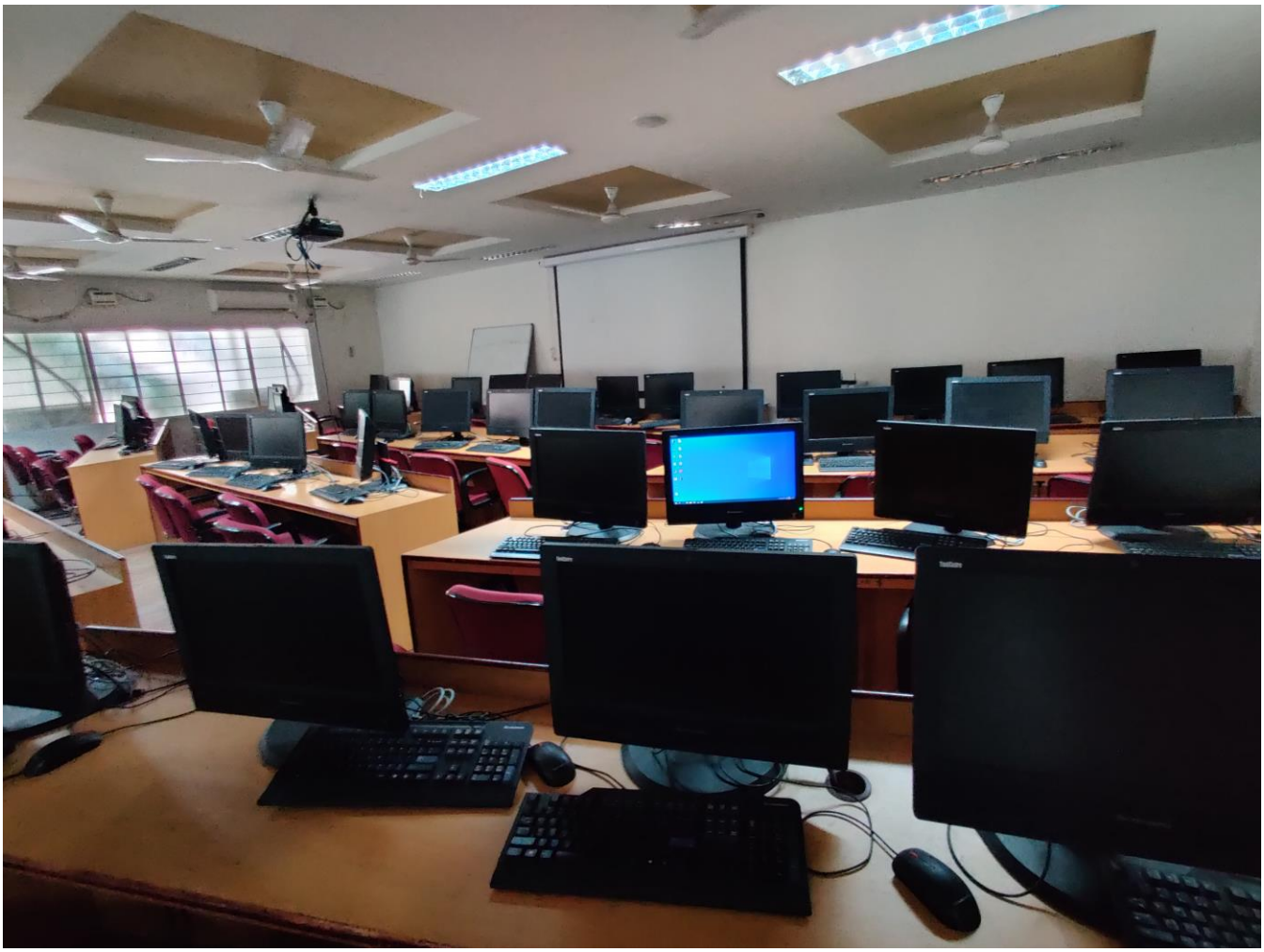
6	**MATHS-I(SAH) (9:00AM-10:00AM) 26TH SEPT**	**MATHS-I(IA) (11:00AM-12:00N) 2ND NOV**	**PPS (1:45PM-2:45PM) 26TH SEPT**		**PPS (1:45PM-2:45PM) 27TH SEPT**		**PPS (1:45PM-2:45PM) 1ST OCT**		**PPS (1:45PM-2:45PM) 2NOV**	
7	**PPS (9:00AM-10:00AM) 17TH OCT**	**PPS (11:00AM-12:00N) 16TH NOV**								
8	**CHEMISTRY (9:00AM-10:00AM) 24TH OCT**	**CHEMISTRY (11:00AM-12:00N) 23RD NOV**								
9	**MATHS-I(SAH) 9:00AM-10:00AM) 31ST OCT**	**MATHS-I (IA) (10:00AM-11:00AM) 7TH DEC**								
10	**PPS (9:00AM-10:00AM) 7TH NOV**	**PPS (12:00N-1:00PM) 7TH DEC**								

Sd/-

Dean Academics

CENTER FOR SMART LEARNING

CENTER FOR INNOVATIVE COMPUTING



ENGINEERING GRAPHICS

INTERNET OF THINGS (IoT) LAB

PCB LAB

STUDENT ACTIVITY CENTER - MECHANICAL DEPARTMENT

STUDENT ACTIVITY CENTER - CIVIL DEPARTMENT

STUDENT ACTIVITY CENTER- ECE DEPARTMENT

Microsoft Technology Associate

JIBRAN ASIF SHAREEF

Has successfully completed the requirements to be recognized as a Microsoft Technology Associate:
Cloud Fundamentals.

Date of achievement: 01/10/2016
Certification number: F558-1956

Satya Nadella
Chief Executive Officer

Microsoft
Technology Associate

Microsoft Technology Associate

JIBRAN ASIF SHAREEF

Has successfully completed the requirements to be recognized as a Microsoft Technology Associate: Cloud Fundamentals.

Date of achievement: 01/10/2016

Certification number: F558-1956

Satya Nadella
Chief Executive Officer

Microsoft
Technology Associate

Microsoft Technology Associate

AARSHAD D DEVANI

Has successfully completed the requirements to be recognized as a Microsoft Technology Associate: Cloud Fundamentals.

Date of achievement: 01/10/2016

Certification number: F558-1996

Satya Nadella
Chief Executive Officer

Microsoft
Technology Associate

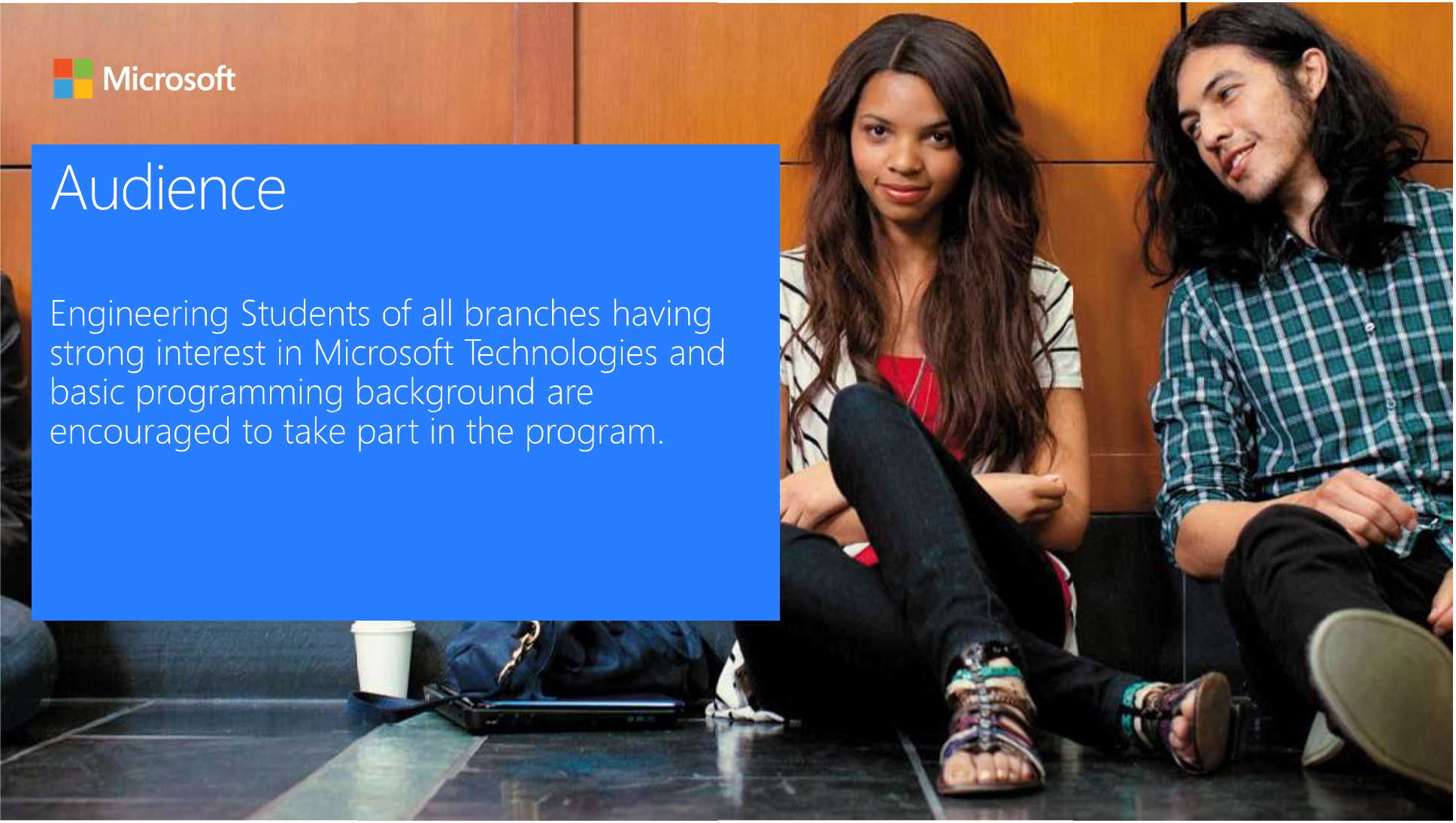
Microsoft

Microsoft Day
&
Training Programs

Helping Students understand about various Microsoft Academic Programs and help with Skill Development and Certification

Agenda

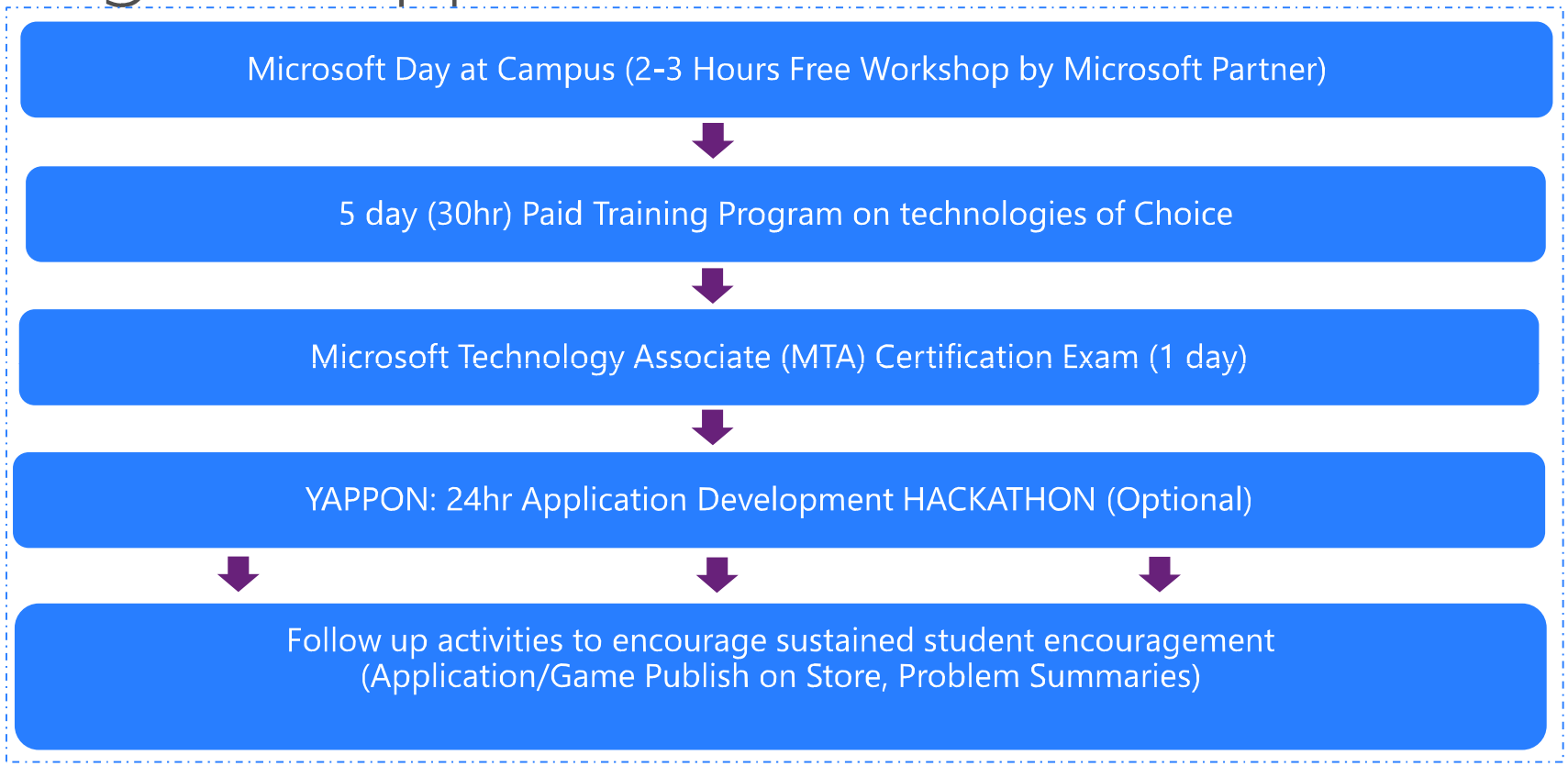
- Introduction to Microsoft Academic Programs and Technology Platforms to Students
- Introduction to various Certification tracks
- Awareness of various cutting edge technologies through hands on training programs.
  - **Mobile Phone and Window 8** Application Development – Mobile (Windows Phone, Android, iOS)
  - **Cloud Computing-** Windows Azure
  - **Big Data Applications** – Apache, Hadoop, Pig, Hive, Microsoft HDInsight
  - **Game Development** – Microsoft XNA, Unity3D, Construct2
  - **Internet of Things** (IOT)
- Introduce to YAPPON-HACKATHON (App development Hackathon) and other Microsoft campaigns to excite and engage students for sustained learning



Audience

Engineering Students of all branches having strong interest in Microsoft Technologies and basic programming background are encouraged to take part in the program.

Program Approach



Training Program Tracks

TRACK 1:
Mobile Application Development
(Windows Phone, iOS, Android)

- Learn and develop Apps for various mobile platforms – Windows Phone, iOS, Android
- The program is suitable for anyone who has basic knowledge about OOPs concepts.
- Covers C#, HTML5, JS to enable Hybrid and Native application development on these platforms.
- Students can develop apps and publish on store to earn
- MTA Certification

TRACK 2:
Cloud Application Development
(Windows Azure)

- Learn basics of Cloud Computing on Microsoft's Windows Azure Platform
- The program is suitable for anyone who has basic knowledge of web programming
- Learn how to configure and use Cloud environment, VMs, Storage, Compute, etc and develop applications on Windows Azure ASP.NET, HTML5
- Students can develop apps and publish on Windows Azure Store
- MTA Certification

Training Program Tracks

TRACK 3:
Big Data Application Development (Apache Hadoop, Pig, Hive, Microsoft HDInsight)

- Learn Big Data framework using Apache Hadoop platform. Solve problems related to huge datasets, one of the most important technology these days
- Students with prior experience in OOPs and Web Programming are preferred.
- Learn Apache Hadoop, Pig, Hive and Microsoft HDInsight to solve problems related to TB size datasets
- Work on research projects or publications to publish your findings
- MTA Certification

TRACK 4:
Game Development (Microsoft XNA, Unity3D, Construct2)

- Learn about the exciting world of Game development for mobile, PC and console platform.
- Students of any year with basic programming experience are eligible
- Learn game development framework such as XNA, Unity3D and Construct2 to develop games for any platform
- Publish games on app stores to earn
- MTA Certification

Program Tracks

TRACK 5:
Internet of Things (IOT)
(ARM platform using Raspberry Pi)

- Learn ARM architecture, the most popular mobile computing platform and develop projects using Raspberry Pi SBC (Single Board Computer) to understand the scale and application of IOT
- Students with basic experience on electronics and programming can participate (ECE, EEE, CSE, IT students of 2nd year and above)
- Develop projects using Raspberry Pi SBC using Embedded C or Python.
- Hands on working prototype as projects

Program Approach

Training Program Details (Applicable to All Tracks)

- Duration – 5 days, 30hr training program + 1 day for certification (as applicable)
- YAPPON Hackathon – 24hr app development hackathon to start on Saturday morning to conclude on Sunday noon.
- Mode of Delivery – Instructor Led, Hands on Lab
- Batch Size – 60 students/ 1 Instructor
- Requirement – Computer Lab with basic AV arrangement
- Certification Exam – Online Exam which will be conducted in Campus Certiport/Prometric Centre
- Students are encourage to bring their own laptops/hardware however in case of non-availability we will conduct the program using College's lab infrastructure

Follow up Activities

Depth Training Programs:
Long term training program leading to depth knowledge and professional certifications (e.g. MCSD, MCSE, etc)

Project Mentorship:
Students can get extended mentorship to finish their apps and publish on store after the program through our trainers and online channels

Competition Mentorship:
Support to interested students to apply and particiapte in various competitions and programs like MICROSOFT IMAGINE CUP

or Diploma or Add-on programs year wise during last five years

Microsoft Training on "MobileApplication Development" Candidates List

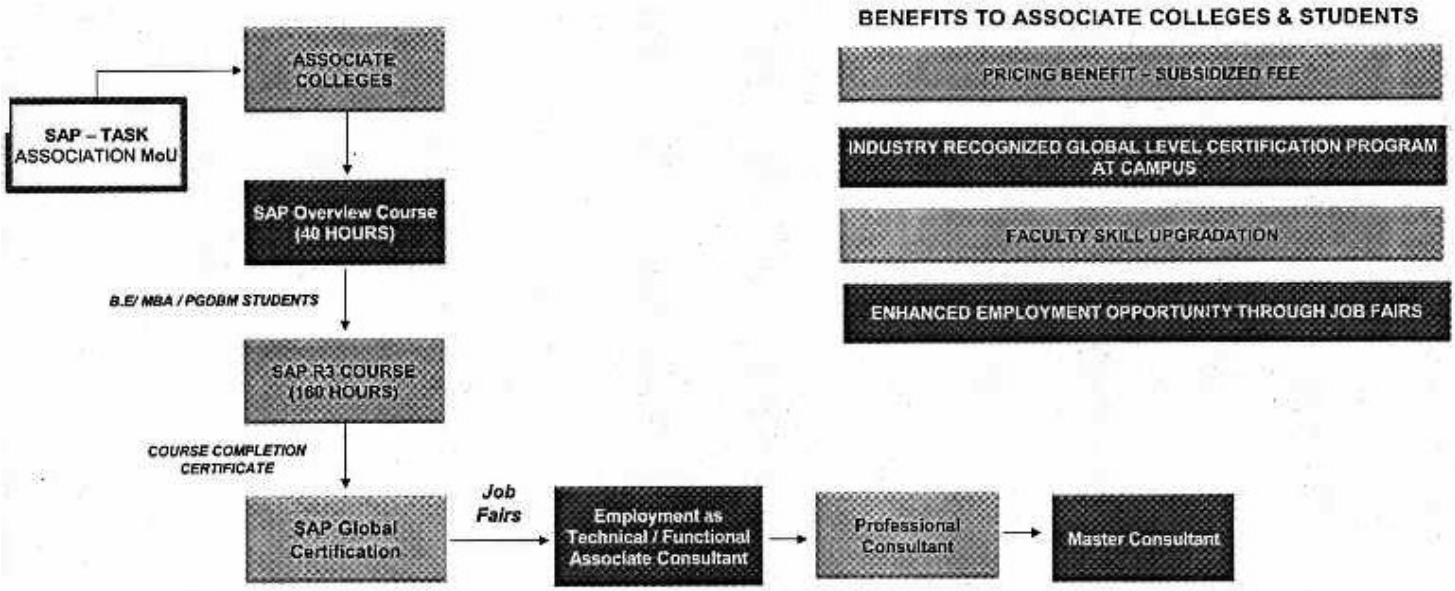
Sl. No.	Roll No. #	Branch	Name	Challan No	Date	Amount
1	1604-13-733-104	CSE	TUBA AHMED	14801	10-05-2015	4000/-
2	1604-12-737-002	IT	SHEFA TABASSUM	14811	24-09-15	4000/-
3	1604-13-737-064	IT	SHAGUFTA NASER KHAN	14813	23-09-15	4000/-
4	1604-13-737-065	IT	AAMINA ARA	14814	23-09-15	4000/-
5	1604-13-737-068	IT	ARIFA TAZEEN	14815	23-09-15	4000/-
6	1604-12-737-022	IT	SUMAYYA BEGUM	14821	24-09-15	4000/-
7	1604-12-733-115	CSE	MOHAMMED ABDUL WASEEM	14827	10-07-2015	4000/-
8	1604-12-733-080	CSE	AYESHA FAROKHI	14828	10-07-2015	4000/-
9	1604-13-737-062	IT	SHAIK SHAHNAAZ	14829	28-09-15	4000/-
10	1604-13-733-100	CSE	SYED AMMAR MUSTAFA	14838	10-03-2015	4000/-
11	1604-13-735-075	ECE	MOHD. RUKHAYA SIDDIQUA	14839	10-03-2015	4000/-
12	1604-13-735-069	ECE	D. Aishwarya	14845	10-06-2015	4000/-
13	1604-12-733-097	CSE	MOHD. OMAR KHALID MIRZA	14854	10-07-2015	4000/-
14	1604-12-734-044	CSE	MD. OMAR	14855	10-07-2015	4000/-
15	1604-12-733-023	CSE	AFREEN SHAHI	14859	10-07-2015	4000/-
16	1604-13-733-102	CSE	SYED MAQSOOD	14862	10-08-2015	4000/-
17	1604-13-733-093	CSE	MOHD. KHAJA RAZIUDDIN	14863	10-08-2015	4000/-
18	1604-12-733-101	CSE	SYED MISBAHUDDIN	14876	15-10-15	4000/-
19	1604-12-733-040	CSE	MOHD. ALI SALAH	14877	14-10-15	4000/-
20	1604-12-733-107	CSE	MOHD. ARBAZ	14880	17-10-15	4000/-
21	1604-13-733-050	CSE	SAYED ABDUL THOUFIQ RAHEEM	14883	30-11-15	4000/-
22	1604-12-733-111	CSE	MD. RIZWAN RIYAZ	14886	23-11-15	4000/-
23	1604-13-737-120	IT	MOHD. AUSAAF ARSHAD	14889	27-11-15	4000/-
24	1604-13-733-061	CSE	KHADIJAH UDDIN	14890	28-11-15	4000/-
25	1604-13-733-013	CSE	AMMARA KAUSAR	14891	28-11-15	4000/-
26	1604-12-735-040	ECE	JIBRAN SHAREEF	14898	30-11-15	4000/-
27	1604-12-733-095	CSE	FARHAN AHMED KHAN	14904	16-02-2016	4000/-
28	1604-13-733-096	CSE	MD. ASIF SOHAIL	14802	05-09-2015	4000/-
29	1604-15-742-022	Mtech CSE	G. M.UZAIRUDDIN WALAJAHI	14906	27-02-2016	4000/-
30	1604-12-737-301	IT	HUSNA BADAR	14806	24-09-2015	4000/-
31	1604-13-735-080	ECE	A.V.H.ROHITHA	14869	07-10-2015	4000/-
32	1604-13-735-067	ECE	SARAH SEMEEN	14848	05-10-2015	4000/-
33						
34	Staff Members	CSE	MIR AHMED ALI			
35		CSE	MD. SHABAZ HUSSAIN			
36		CSE	MOHD. SALEEM KHAN			
37		IT	MD AFROZE			
38		IT	MOHAMMED PASHA			

Microsoft Training on "Mobile Application Development"

Sl. No.	Roll No. #		NAME	08-03-2016		09-03-2016		10-03-2016		11-03-2016		12-03-2016		13-03-2016	
				Forenoon	Afternoon	Forenoon	Afternoon	Forenoon	Afternoon	Forenoon	Afternoon	Forenoon	Afternoon	Forenoon	Afternoon
1	1604-13-733-104		TUBA AHMED												
2	1604-12-737-002	IT	SHEFA TABASSUM												
3	1604-13-737-064	IT	SHAGUFTA NASER KHAN												
4	1604-13-737-065	IT	AAMINA ARA												
5	1604-13-737-068	IT	ARIFA TAZEEN												
6	1604-12-737-022	IT	SUMAYYA BEGUM												
7	1604-12-733-115		MOHAMMED ABDUL WASEEM												
8	1604-12-733-080		AYESHA FAROKHI												
9	1604-13-737-062	IT	SHAIK SHAHNAAZ												
10	1604-13-733-100		SYED AMMAR MUSTAFA												
11	1604-13-735-075		MOHD. RUKHAYA SIDDIQUA												
12	1604-13-735-069		D. AISHWARYA												
13	1604-12-733-097		MOHD. OMAR KHALID MIRZA												
14X	1604-12-733-093		KESHAVA MALPANI												
15	1604-12-733-023		AFREEN SHAHI												
16	1604-13-733-102		SYED MAQSOOD												
17	1604-13-733-093		MOHD. KHAJA RAZIUDDIN												
18	1604-12-733-101		SYED MISBAHUDDIN												
19	1604-12-733-040		MOHD. ALI SALAH												
20	1604-12-733-107		MOHD. ARBAZ												
21	1604-13-733-050		SAYED ABDUL THOUFIQ RAHEEM												
22	1604-12-733-111		MD. RIZWAN RIYAZ												
23	1604-13-737-120	IT	MOHD. AUSAAF ARSHAD												
24	1604-13-733-061		KHADIJAH UDDIN												
25	1604-13-733-013		AMMARA KAUSAR												
26	1604-12-735-040		JIBRAN SHAREEF												
27	1604-12-733-095		FARHAN AHMED KHAN												
28	1604-13-733-096		MD. ASIF SOHAIL												
29	1604-15-742-022		G.M.UZAIRUDDIN WALAJAHI												
30	1604-12-737-301	IT	Husna Badar												
14	1604-12-734-044		Md Omar												
	1604-13-735-080		AVII Rukhsha												

Sl.No.		NAME	08-03-2016		09-03-2016		10-03-2016		11-03-2016		12-03-2016		15-03-2016	
			Forenoon	Afternoon	Forenoon	Afternoon	Forenoon	Afternoon	Forenoon	Afternoon	Forenoon	Afternoon	Forenoon	Afternoon
30	CSE	MIR AHMED ALI												
31	CSE	MD. SHABAZ HUSSAIN												
32	CSE	MOHD. SALEEM KHAN												
33	IT	MD. AFROZE												
34	IT	MOHAMMAD PASHA												
	ECE	SARAH SEMEEN												

Offering to Task Associated Colleges



Commercials

For Engineering Under-graduates & Post Graduates

STREAM	COURSE NAME	DURATION	Number of Students	Fee	
ENGINEERING	SAP Overview Course + SAP ABAP	200 Hours	120	Base Price:	Rs. 12,00,000
	SAP Overview Course + SAP MM	200 Hours		Sales Tax:	Rs. 60,000
				Price inclusive of Taxes:	**Rs. 12,60,000**

Cost per Student (inclusive of all taxes): Rs. 10,500

For MBAs

STREAM	COURSE NAME	DURATION	Number of Students	Fee	
ENGINEERING	SAP Overview Course + SAP ABAP	200 Hours	120	Base Price:	Rs. 12,00,000
	SAP Overview Course + SAP MM	200 Hours		Sales Tax:	Rs. 60,000
				Price inclusive of Taxes:	**Rs. 12,60,000**

Cost per Student (inclusive of all taxes): Rs. 10,500

14-735-075
CSE
(31)

CERTIFICATE

SAP Global Certification

We hereby confirm that

Shreya Alla

is certified as

C_TAW12_731 Development Associate - ABAP with SAP NetWeaver 7.31
(C_TAW12_731)

Certified on: 25.09.2017

Walldorf, 07.10.2017

Michael Kleinemeier
Member of the Executive Board
Digital Business Services

SAP®

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1604-14-733-104 CSE

28

CERTIFICATE

SAP Global Certification

We hereby confirm that

Mohammed Suhail Ahmed

is certified as

C_TAW12_731 Development Associate - ABAP with SAP NetWeaver 7.31
(C_TAW12_731)

Certified on: 25.09.2017

Walldorf, 29.09.2017

Michael Kleinemeier
Member of the Executive Board
Digital Business Services

SAP®

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14-733-97 CSE

23

CERTIFICATE

SAP Global Certification

We hereby confirm that

Mirza Sulaiman Baig

is certified as

C_TAW12_731 Development Associate - ABAP with SAP NetWeaver 7.31
(C_TAW12_731)

Certified on: 25.09.2017

Walldorf, 29.09.2017

Michael Kleinemeier
Member of the Executive Board
Digital Business Services

SAP

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13-737-029 IT

20

CERTIFICATE

SAP Global Certification

We hereby confirm that

Mohammed Abdul Khaled

is certified as

C_TAW12_731 Development Associate - ABAP with SAP NetWeaver 7.31
(C_TAW12_731)

Certified on: 25.09.2017

Walldorf, 29.09.2017

Michael Kleinemeier
Member of the Executive Board
Digital Business Services

SAP®

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1004 13 737-034

17

CERTIFICATE

SAP Global Certification

We hereby confirm that

MOHD ASIF

is certified as

SAP Certified Development Associate - ABAP with SAP NetWeaver 7.31

Certificate ID: 0018368259
Certified on: September 25, 2017

Walldorf, October 24, 2017

Michael Kleinemeier
Member of the Executive Board
Digital Business Service

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1604-73-737-036

2-5 (14)

CERTIFICATE

SAP Global Certification

We hereby confirm that

Mohammed Razzaq

is certified as

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Certified on: 25.09.2017

Walldorf, 30.09.2017

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Certificate ID: 0018368259
Certified on: September 25, 2017

Walldorf, October 24, 2017

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Certified on: 25.09.2017

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Certified on: 25.09.2017

Walldorf, 29.09.2017

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Certified on: 25.09.2017

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Certified on: 25.09.2017

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pH Theory Guide

Hyderabad: Muffakham Jah College Signs MoU With SAP

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By TelanganaToday (https://telanganatoday.com/author/telanganatoday) | Published: 5th Aug 2017 8:32 pm Updated: 5th Aug 2017 8:33 pm

Students from MJCET receiving certificates.

Hyderabad: Bolstering efforts towards rolling out industry-ready students for a tech-savvy world, Muffakham Jah College of Engineering and Technology (MJCET) in collaboration with Telangana Academy of Skill and Knowledge (TASK) entered into an agreement with the authorized training partner of world's largest ERP software company SAP (Systems Applications and Products).

The program rhymes with the government's bid to synergize academia and Industry. As part of the training program, nearly 45 MJCET students were trained for SAP ABAP and SAP MM courses, of which 39 students cleared the intrinsic examination. Mr. G. Bhaskar, Director, Corporate Affairs TSTASK presented the course completion certificates.

The MoU encourages students to take global certification. "Students undertaking the SAP Global Certification will be offered 50% of the certification fee by the college management", announced Secretary, Sultan ul Uloom Education Society Mr. Zafar Javeed.

The MoU was signed between MJCET and IPA Education Pvt. Ltd. which is authorized SAP training partner for SAP India in the presence of Mr. G. Bhaskar, and Mr. Zafar Javeed. Mr. BadriNarayan, Executive Director

Speaking on the occasion MJCET Director Dr. Basheer Ahmed said the training program is aimed "to improve the technical calibre of MJCET students and is part of the college's effforts to provide holistic education to students and making them industry-ready."

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SUPRA 2019

Mechanical & Production Engineering students of Muffakham Jah College of Engineering and Technology, Banjarahills, Hyderabad, designed and fabricated a Formula Racing Vehicle and participated in the National Level Engineering Student Formula Car Racing Competition **SUPRA SAE INDIA 2019** held at Buddh International Circuit – Country's International Formula car racing track in Greater Noida, scheduled from 15th to 20th July 2019.

1. SAE SUPRA-2017:

Mechanical & Production Engineering students of Muffakham Jah College of Engineering and Technology, Banjarahills, Hyderabad, have designed and fabricated a Formula Racing Vehicle and participated in the National Level Engineering Student Formula Car Racing Competition **SUPRA SAE INDIA** held at Buddh International Circuit – Country's first International Formula car racing track, scheduled from 26th June to 1st July 2017 at Greater Noida.

Supra Team MJCET at Buddh International Circuit - F1 racing track Greater Noida

2. GOKARTING (NKRC-2017)

Team **FALCON RACERS** from Mechanical Engineering Department of Muffakham Jah college of Engineering and Technology had participated in **NATIONAL KART RACING CHAMPIONSHIP – 2017,**

India's Biggest Karting Festival held from 29th September to 3rd October, 2017 at R.P.M. circuit, Bhopal, India.

Un-veiling ceremony Gokart vehicle

3. <u>SAE SUPRA-2016:</u>

SAE – Society of Automotive Engineers is one of the largest student organizations in the transport industry. The Formula SAE SUPRA series competitions challenge teams of university under graduate students to conceive, design, fabricate and compete with formula style racing cars. The SUPRA SAE INDIA 2016 event was scheduled from 4th – 9th July, 2016 at **Buddh International Racing Circuit, Noida** which is the first formula car testing track in the country.

4. <u>GOKARTING (ISK-2017):</u>

The **International Series of Karting** event gives a platform for engineering students to Design and fabricate an innovative Go-Kart as per the rule book. The team "FACLON RACERS" of MJCET has participated in a **Gokarting** event held from 21st-24th March, 2017 at Torq03, Bangalore. The team completed all static and dynamic events and completed the final endurance race. The team endured successfully throughout Qualifiers, Quarterfinal, Semi finals and Finals and achieved **All India 8th position among 85 teams** and received **"The Most professional team of ISK 2017 "**award.

SAE (Society of Automotive Engineers) *MJCET chapter:*

The NATRIP Testing Track - NATRIX, Peethampur, Indore - BAJA SAIENDIA event taking place from 16th to 23rd February 2016.

Baja Vehicle 2016 and Baja team at the event in Peethampur, M.P.

- ## GoKart competition:

Team of 25 students of Mechanical and Production Engineering departments under the guidance of Faculty Advisor Dr. A.S. Reddy, Professor, M.E.D. have fabricated a **GoKart** vehicle and participated in the competition named “International Series of Karting (ISK) 2016” held at Lahari Resort in Hyderabad from 8th to 11th March, 2016.

GoKart Vehicle 2016 and MJCET Team at the event

- **EcoKart competition:**

Team of 15 students from Mechanical Engineering Department under the guidance of Faculty Advisor Mr. Suvarna Kumar, Assistant Professor, M.E.D. have fabricated an **EcoKart** Vehicle and participated in the competition held at BML Munjal University, Gurgaon, Haryana from 11th to 13th March 2016. Team Falconz MJCET gained 201 points which make it stand at 15th position.

EcoKart Vehicle 2016 and MJCET Team at the event

***SAE BAJA* – 2015:**

- This year SAE MJCET team have participated in BAJA SAE INDIA 2015 National competition held at ***National Automotive Testing Tracks*** - NATRIX, Pithampur, near **Indore, M.P.**, India, during 19th to 22nd February 2015. Team Stood **5th** in Business Plan Presentation, **9th** in Cost Analysis, **20th** in Design and stood 53rd from 110 teams participating from all over India.

- *SAE Baja 2015 vehicle*

- *Baja team with vehicle at press meet*

<u>QUAD TORC – 2014</u>:

Students of Muffakham Jah College of Engineering and Technology have participated in the National Level Competition **QUAD TORC – 2014** organized by ISNEE (Indian Society of New Era Engineers) from 2nd to 4th August 2014 at SRM University, NCR campus, Meerut, New Delhi.

Team MJCET received **Best Business Plan Award**, The **Best Driver Award**, Overall India **3rd rank** and South India 1st rank in the competition.

Quad Torq Bike 2014

Quad team receiving trophy in New Delhi

Coordinated By : IIT MADRAS

MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY

BANJARA HILLS S.O, KHAIRATABAD, HYDERABAD,
TELANGANA, 500034
HYDERABAD
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SPOC Name - DR. MOUSMI AJAY CHAURASIA

Designation - PROFESSOR,INFORMATION TECHNOLOGY

Partnering since - Sep-2018

College Id - 2185

NPTEL is very happy to be associated with ***MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY*** institute and its students.We are thankful to ***DR. MOUSMI AJAY CHAURASIA*** for being a pillar of support in NPTEL initiatives.

Jan- Apr 2019

CONGRATS! Your college is hereby recognized as an ACTIVE Local Chapter.

Course Run	Present	Gold	Elite	Silver	Successful	Participation	Topper
Jan-Apr 2019 (Jan-Apr-2019.html)	94	5	33	18	32	6	10
Jul-Oct 2018 (Jul-Oct-2018.html)	1	0	1	0	0	0	0

YEAR 2018-19

Airtel Hyderabad Marathon 2k18

Airtel Hyderabad Marathon - 18

Airtel Hyderabad Marathon was conducted on 26th August 2018. Our EWB MJCET chapter students had volunteered themselves to be part of the marathon. There were 110 volunteers who were stationed at two location along the path of the marathon from 3a.m. to provide the necessary help and support to the people participating in the marathon. EWB-MJCET has been volunteering themselves for the success of the event since 3 years and has been winning accolades for the same from the participants and organizers of the marathon. The marathon was coordinated by the faculty advisor and EWB president – Mr. Faseeuddin and the each of the station was headed, controlled and managed by Mr. Saaduddin Ahmed and Mr. Ikramullah.

Plantation drive

Plantation Drive at Government School - 2018

Phase 2 Plantation drive was conducted on 18th March, 2018 in Erramanzil government school as a continuation of the plantation drive in the year 2017. About 20 EWB-MJCET students has volunteered for this event and carried out the activity. The plantation was carried out in such a way that the waste water released from the RO plant should be redirected for the watering purpose of the plants.

YEAR 2017-18

Airtel Hyderabad Marathon 2k17

Airtel Hyderabad Marathon - 17

EWB-MJCET is quite well known name when it comes to volunteering. Our members have been very enthusiastic in all social causes. Airtel has taken a serious account of this and had signed a Memorandum of Understanding (MOU) with EWB-MJCET chapter for a period of 4 yrs. The chapter also holds the title of the best performing volunteering group in Airtel Hyderabad Marathon for 2 years in a row.

EWB-MJCET members volunteered for the Marathon to contribute towards the spirit of running. Around 60 members volunteered for the event and 2 teams of 30 members were allotted on 2 different stations, which were located at Nagarjuna Circle and KBR Park respectively. The volunteers had to report on 4:30AM at the day of the marathon where they were assigned different tasks like cheering the runners, collection of waste, providing the runners with refreshments etc. The marathon was a huge success and received immense media coverage. EWB-MJCET is looking forward to contribute in the organising of the Marathon this year too.

Solar Fan in the Traffic Police Booth

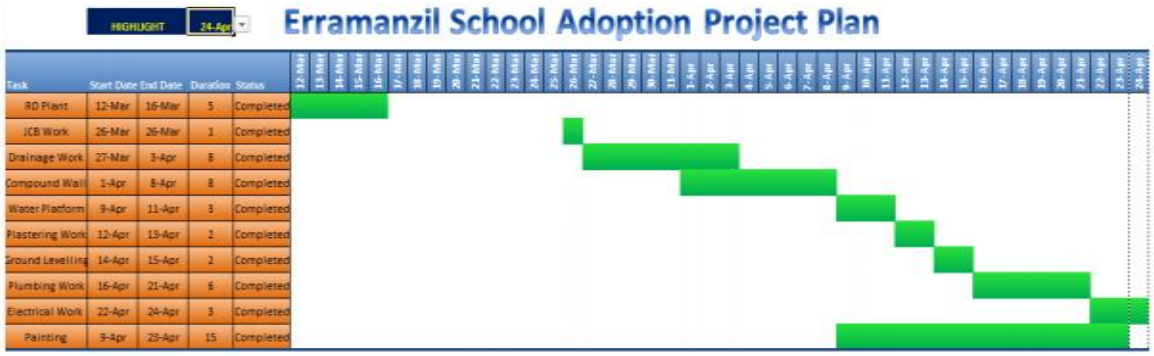
Solar Fan in the Traffic Booth

A Solar Fan with capacitors which can be used in Day and Night Conditions was prepared and fixed on the Traffic Police Booths at the junctions.

School Infrastructure Development and Improvisation project

This Project was a large scale project for the Chapter and required engineering students from all the fields. The project had to be execution in terms of developing the basic amenities and some improvisation in the infrastructure spread over a large area.

The following sub Projects were executed under the School Project: Drip Irrigation, Drainage system, R O plant, play ground development and others



Sewageworks

Black board Paintings

School Infrastructure Development and Improvisation Project

Welding Works

Interaction with school students

Playground Development

Inauguration of school

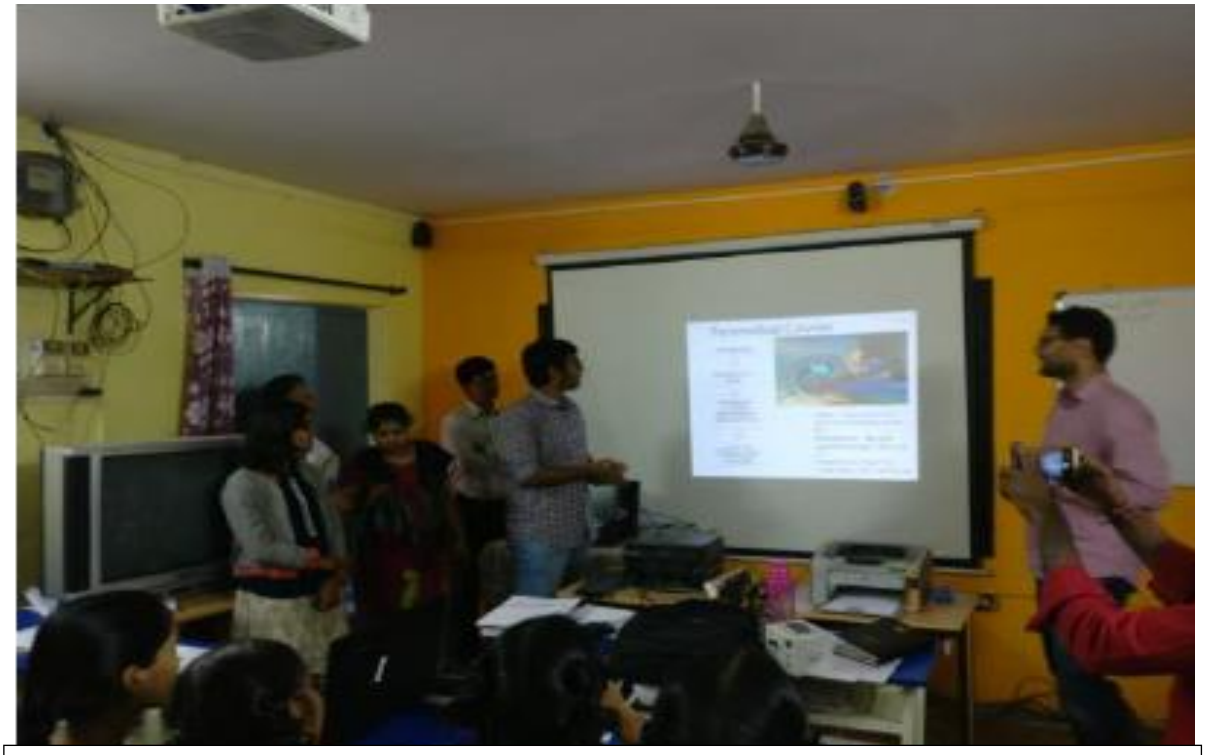
School Infrastructure Development and Improvisation Project

Plantation Drive 2017

Plantation Drive at Government School - 2017

Phase 1 plantation drive was carried out in Erramanzil government school on February 12th, 2017 as a part of Haritha Haram initiative of Telangana government. Around 25 volunteers have participated in the event and have changed the look of the ground as a part of our project- infrastructure development of the school.

Career Counselling for Class 10 Students



Career Counselling

Along with the NIRMAAN- and NGO, EWB students have conducted the career counselling and guidance session for the Erramanzil government high school tenth class students. The activity had different sessions, wherein the students were first taken a feedback as to what their plans are, then they were presented with the various career options they have and finally their aim and goals were fine-tuned as required. The event was carried out on February 10th, 2018 with 12 EWB student volunteers, as the pre-requisite for this activity was telugu speaking capability.

YEAR 2016-17

Conference on “Technologies for Sustainable Ecosystem 2017”

Conference on Technologies for Sustainable Ecosystems-2017

EWB- MJCET student chapter in collaboration with EWB student chapters of the states of Telangana and Andhra Pradesh organized a 2 Day National Conference titled "Technologies for sustainable Ecosystem- TSE 2K17 " on 23rd and 24th March 2017. The venue for the conference was the very own lush green college campus. The objective of the conference was to cater a platform for engineering students to present their work on ecosystem technologies and to provide a platform for possible implementation of the idea for the betterment of the society. Researchers and speakers from various walks of life but dealing with the ecosystem addressed the young engineers of tomorrow during the 2 day conference and the inaugural session had a talk on sustainable technologies and need for maintaining our Ecosystem by Ms Caitlin(a student from University of Connecticut, USA).

Airtel Hyderabad Marathon 2k16

The Airtel Hyderabad Marathon is the second largest city marathon in India. The 2015 Marathon is their 5th edition and is organized by the Hyderabad Runners Society, a nonprofit organization founded in 2007 to encourage active and healthy lifestyle among all age groups in the cities of Hyderabad and Secunderabad.

Airtel Hyderabad Marathon - 16

YEAR 2015-16

Notebook Donation Campaign

The students belonging to various branches of MJ College actively participated in the campaign and collected around 1400 long notebooks, 300 short notebooks stationery items. The school comprises of around 700 students.

The team reached the Safdaria Girls School premises by 9 A.M. The Head Mistress of the school Mrs. Safia Sultana received the IEEE MJCET team with great pleasure.

Notebook Donation Campaign at Govt. School

Star Program- Environment Awareness Program

Star – An Environment Awareness Program at Govt. School

With intent of spreading awareness about environment, IEEE WIE team conducted our most awaited event of the year 2015-16 “STAR” a one week program at Safdaria Girls High School, Humayun Nagar, Mehdipatnam, from 23rd Jan 2016 to 29th Jan 2016.

Tomorrow's leader need to be equipped for tomorrow's challenges, and we must adequately prepare children for the future they will inherit which requires a commitment to providing children with environmental education. with this prospect in mind, the students of classes 1st - 5th were introduced to environmental education since at this level they have a holistic view of environment.

Conference on “Technologies for Sustainable Ecosystem 2016”

Conference on Technologies for Sustainable Ecosystems-2016

EWB MJCET held an conference on “Technologies for Sustainable Ecosytems” in association with various other student chapters of BITS Hyderabad, GitamUniversity,CBIT, GNITC and TKREC.

The conference was divided into various sessions which covered various topics like clean energy systems, ecological engineering, urban sustainability through smart cites and innovations in waste management. It was discussed how the above topics are important to the society and how they could be practically implemented in modern day conditions and situations for the betterment of the society.

Airtel Hyderabad Marathon 2k15

Airtel Hyderabad Marathon - 15

The Airtel Hyderabad Marathon is the second largest city marathon in India. The 2015 Marathon is their 5th edition and is organized by the Hyderabad Runners Society, a non profit organization founded in 2007 to encourage active and healthy lifestyle among all age groups in the cities of Hyderabad and Secunderabad.

Around 60 members volunteered for the event and 2 teams of 30 members were allotted on 2 different stations, which were located at Nagarjuna Circle and KBR park respectively. The volunteers had to report on 4:30AM at the day of the marathon where they were assigned different tasks like cheering the runners, collection of waste, providing the runners with refreshments etc.

YEAR 2014-2015

Burgula village project (phase-1 completed)

Burgula Village Project

Burgula Village, Mahaboobnagar was decided to be developed by EWB- India and Pragathi Welfare Association, and EWB MJCET has lent its part to the development of Burgula Village by volunteering to do the need assessment survey and give research solutions to their problems. EWB- MJCET visited the Burgula Village and performed the need assessment study of 500 houses with a team of ten students in a single day with tremendous efforts. The data collected, interpreted the needs of the village. The data obtained is compiled into a soft copy for future usage. The next phases will be commencing through the intervention of pragathi welfare association.

School project survey

School Surveys Project

By the inspiration imparted by Dr. Ashok Agarwal Sir, EWB MJCET, has taken up initiative to improve the conditions of poor Govt. Schools. There are many schools, in which students lack the basic requirements. EWB- MJCET has taken up this task as a challenge. Though it is cumbersome, we are successful in creating a database of such schools by travelling round the city and with the help of media. The schools which are most in need will be short listed and will be developed in the next phases.

Kasturba (KGNMT) Project

A group picture of EWB MJCET team members at Kasturba Gandhi Memorial Trust

Kasturba National Memorial Trust is a place for dejected and underprivileged women. The conditions prevailing at the trust were very poor. They lacked basic facilities like residential shelter and roofing, bathrooms etc. This project was to build a residential construction to the inmates of kasturba trust. Pratt and Whitney Aerospace, USA, BELCAN, MTC, UTC, Cyient and their allies came forward with a large donation of $120,000 which comes to 68 lakhs(INR). We could successfully build an two storey building equipped with E-Learning Centre, Play ground, Bunker Beds, Water Harvesting System, Solar Water heater. Our students could focus on various aspects starting from the Syllabi for E learning Centre, Designing the play ground area, analysis of water heating requirement and make it a success.

Sanitation survey at Musheerabad and Rasoolpura Schools

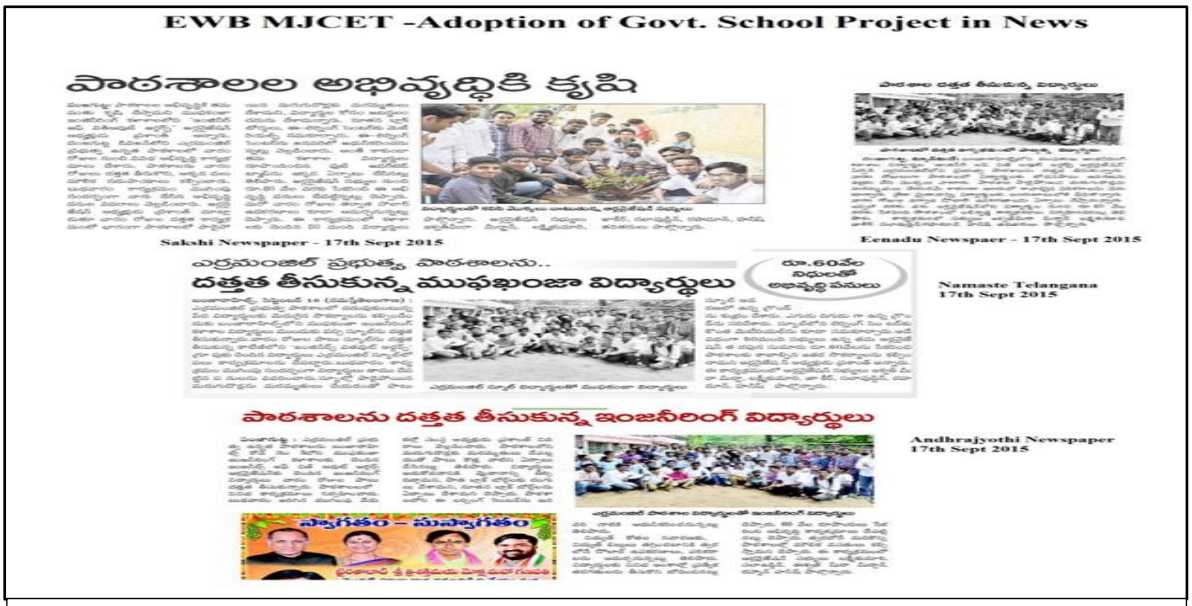
A group picture of EWB MJCET team members at Govt. High Schools Musheerabad for sanitation survey

EWB MJCET members formed two teams and visited the two Govt High Schools at Musheerabad and Rasoolpura in association with BastiVikasManch and performed the need assessment surveys at these schools. We have supported the initiative by providing the construction designs for the installation of pipelines and the construction of new toilets at these schools

Adoption of Government High School

As per the School survey -2 conducted in May 2015, EWB MJCET initiated the adoption of school project at Govt. High School, Erramanzil, Hyderabad which has a strength of about 524 students with majority girls. It did not have proper black boards, drinking water facility and internal roads. We focused to provide water facility, sanitation facilities, and development of playground, plantation, and repair of black boards. 55 Students belonging to EWB-MJCET conducted the survey and found out the problems in the school. Different teams were formed to resolve various problems in school. The team provided clean drinking water, hand wash with foot operated tap, repaired black boards, made an walk way to enter the school, supplied E - learning materials, improved the play area, conducted plantation drive and conducted Swatch Bharath campaign.

A group picture of EWB MJCET team members at Govt. High School Erramanzil for Adoption



A group picture of EWB MJCET team members at Govt. High School Erramanzil for Adoption

Education through paper donation

A group picture of EWB MJCET team members at NachiketaTapovanVidyamandir donating book and papers collected

EWB MJCET has organized an paper collection drive at college and collected about 300 kgs of used books and paper waste. This materials is donated to "NachiketaTapovanVidyamandir" which sells them to ITC ltd. and funds poor students for education.

Clothes Collection Drive

A group picture of EWB MJCET team members at Kasturba Gandhi National Memorial Trust donating the clothes they collected

To extend our hands and buttress the inmates of Kasturba Gandhi National Memorial Trust, Bandlaguda, while working for their development and lending the intellectual services, our project team has contributed to donate them with a few bags of Clothes which are in good condition.

Airtel Hyderabad Marathon 2k14

It is one of the prestigious and biggest marathons of India. EWB MJCET volunteered to organize 8 kilometers of it total run with about 50 volunteers. EWB MJCET volunteers showed ultimate unity and utmost passion to support this run.

Airtel Hyderabad Marathon - 14

HUL Bus Route Mapping:

HUL BUS Route Mapping

Members of our student chapter interned in Hyderabad Urban Lab where the members were asked to ride the city buses and geocode the City bus route locations. This was done to improve the Traffic system by understanding the bus routes in depth and to provide solutions for better traffic management system.

A Report on sustainability development of

School Adoption Project

at

Government High school, Erramanzil, Hyderabad Telangana, India

Executed by

EWB India, EWB MJCET Student Chapter and Nirmaan

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1. EXECUTIVE SUMMARY

Project Name : School Infrastructure Development

Location : Erramanzil, Khairtabad, Hyderabad, Telangana state, India

Problems Observed:

1. Leakage of water from slab

2. Bore well Motor Pump

3. Repairing of R O plant

Project Emphasis: The main focus of the project is to develop the school and provide it with basic amenities such as drinking water, electricity and to carry out various civil works such as construction of a compound wall, proper drainage system, playground development, hand wash facility etc. so that it can improve the quality of the environment of the school which will provide the students an opportunity to pursue better education in a more favorable academic environment.

Stake Holders: School management, EWB INDIA, EWB MJCET

Project Implementation: A comprehensive survey of school's needs and requirement was done and has been completely accomplished by forming of different teams of engineering students of EWB-MJCET

Impact: After successful execution of problems addressed by schools, the students and management can have proper place to conduct classes, have safe and clean drinking water and utilization of ground water for daily uses.

2. Project Background

As we all are aware that unfortunately the infrastructure and overall conditions of government-run schools in our city are not up to the required standard. So, we the students of Engineers without Borders-MJCET, in collaboration with EWB-India and Nirmaan foundation adopted Government high school, Erramanzil, Hyderabad, Telangana, India for developing the school completely in terms of infrastructure, providing better facilities to the occupants, providing career guidance and showing the importance of hygiene for an overall better quality of education.

This School adoption project was initiated by stake holders and was executed completely last year in 2018. As EWB beliefs on sustainability of the projects and works for their further advancement. This year further development of this project was carried out.

Govt. High School, Erramanzil, Hyderabad

It consists of a total of 220 students with overall staff (Teaching and Non-Teaching) comprising of 30 members working under government of Telangana established in late 1990's.

3. Areas Developed:

1. Slab leakage

The school management brought to the notice of EWB the issue of slab leakage. After consulting with Structural engineer a slab of 30 ft X 60 ft of sufficient thickness was calculated which could withstand the expected load. The project was executed by civil engineering students of the chapter. It was ensured that the slab material would be of high quality like Dr.Fixit etc so as to prevent any further leakage from the roof top. The slab was layed under supervision of Final Year Civil Engineering Students. The status of the work now stands completed with no leakage whatsoever.

2. R.O plant

R.O plants are quite cost effective if looked after. The annual maintanence check and repair of the R O plant was done. The 16 amp MCB board was changed to 32 amps. New motherboard panel was also installed.With the new installation the plant now can function smoothly without any hassle.The plant was also thoroughly cleaned and chemical refill was done.

Different test were performed in laboratory to check the quality of water. And as per the report the quality water is safe and clean to drink.

Result were as follow

S.no	Test performed	Results	Safe range	Remark
1.	Hardness	88 mg/L	Soft :61-120 mg/L Moderately hard :121-180 mg/L Hard: more than180 mg/L	Safe
2.	pH	6.1	pH: 6 - 8.5	Safe
3.	Alkalinity	29.5mg/L	20-200mg/L	Safe
4.	Odour	Odour less		

3. Bore well Motor

The school bore well was clogged and nonfunctional. The pump at the school was conventional, nonfunctioning and was beyond repair. A new submersible pump was installed and the choked line was cleaned. The flow rate through the bore well now is decent and can handle the school requirements.

(Annexure-I)

Cost Expended

S.No.	Area of work	Amount expended	Amount in $
1.	Slab Leakage	Rs 58,000/-	$ 843.51/-
2.	R O Plant	Rs 20,000/-	$ 290.87/-
3.	Bore well Motor	Rs 18,000/-	$261.78 /-
	Total	Rs 96,000/-	$ 1396.16/-

Note: currency exchange as a date on 17/07/2019

Entuple Technologies Pvt. Ltd
#2730, "TRIKANNIKA", 80 Feet Road, Opp. C.M.H Hospital
HAL III Stage, Indiranagar, Bangalore - 560 038, India
☎ +91 80 42171597, 080-42028111 +91 80 30723692
Website : www.entuple.com

INVOICE

Entuple Technologies Pvt Ltd #2730, "TRIKANNIKA", 80Feet Road Opp. C.M.H Hospital, HAL 3rd Stage, Indiranagar, Bangalore - 560038 E-Mail :imports@entuple.com	Invoice No. **ENT/INV/14-15/153**	Dated **26-Mar-2015**
		Mode/Terms of Payment **100% Against Delivery**
	Buyer's Order No. **MJ/ECE/2014-2015/CadenceLab/PO/724**	Dated **19-Mar-2015**
Consignee **Director,** Muffakham Jah College of Engineering & Technology No.8-2-249 to 267, Mount Pleasant Road No.3, Banjara Hills Post Box No.14, Hyderabad - 34	Terms of Delivery	
Buyer (if other than consignee) **Director,** Muffakham Jah College of Engineering & Technology No.8-2-249 to 267, Mount Pleasant Road No.3, Banjara Hills Post Box No.14, Hyderabad - 34		

Sl No.	Description of Goods	Quantity	Rate	per	Disc. %	Amount
1	**Renewal-Cadence University Bundle** *Cadence Research Bundle* *No of Users: 10 Users License* *No of Years: 03 Years*	**1 Nos**	10,50,000.00	Nos		**10,50,000.00**
	Output CST @ 5.50%		*5.50*	*%*		**57,750.00**
	Total	**1 Nos**				**₹ 11,07,750.00**

Amount Chargeable (in words) *E. & O.E*
Indian Rupees Eleven Lakh Seven Thousand Seven Hundred Fifty Only

Remarks:
PO No.MJ/ECE/2014-15/CadenceLab/PO/724 Dated 19/03/2015

Company's VAT TIN : **29390884583**
Company's CST No. : **29390884583**
Company's Service Tax No. : **AACCE2927MSD001**
Company's PAN : **AACCE2927M**

Declaration
Cheque or DD to be issued in favour of "Entuple Technologies Pvt Ltd" payable at Bangalore.
Online Payment Details:
SBI HAL Branch, Bangalore
Branch Code: 1114
Current A/c No. 31453985901
IFS Code: SBIN0001114

for Entuple Technologies Pvt Ltd

Authorised Signatory

This is a Computer Generated Invoice

Certified that the Particulars given above are true and correct and the amount indicated represents the price actually charged and there is no additional consideration directly or indirectly from the buyer
All disputes and arbitrations are subject to Bengaluru Jurisdiction

47/829

Certified that the material received is according to our specification, in sound condition, and the quantity is correct.
The stock received has been entered in General Stock Register, Volume 11
on page Nos 47/829
The bill may be passed for Rs. 11,07,750/-
(Rupees Eleven Lakh Seven Thousand Seven Hundred Fifty Only.

Storekeeper | Staff Member | Head of the Department 2/9/15

From : Majo.Manoharan@ingrammicro.com
Sent : 08-13-2019 17:14:18
To : IN.B2BCustomerEDI@ingrammicro.com;
Subject : FW: Open Value Order Confirmation (21-04845-19) (V8632578) {~180143985646975896~}

Attachments :

From: EC VL Unified Notification
Sent: Tuesday, August 13, 2019 5:14:14 PM (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi
To: aamoiz@gmail.com
Cc: nazeer@kttechno.com
Subject: Open Value Order Confirmation (21-04845-19) (V8632578) {~180143985646975896~}

Microsoft Open Value SubscriptionEducation SolutionsOrder Confirmation Notice

2019-08-13

Moiz Khaiser Ahmed Adbul
Muffakham Jah College Of Engineering and Technology
ROAD NO.3, Banjara hills
Hyderabad
TS
500034
India

Dear Moiz Khaiser Ahmed Adbul,

Thank you for submitting your order through your chosen reseller KT Technologies. under your Open Value SubscriptionEducation Solutions Agreement. We are pleased to inform you that Microsoft has received and accepted this order for the software licenses or online services as detailed in the table below.

Please note that this notification is a part of proof of license. To help with your record keeping, we ask that you keep all Microsoft notices received during the term of your agreement. Please refer to your Open Value SubscriptionEducation Solutions Agreement for your payment obligations and details on your evidence of license. Order details are retrievable via Volume Licensing Service Center (VLSC) at https://www.microsoft.com/licensing/servicecenter

Agreement details:

Program:	Open Value SubscriptionEducation Solutions
Customer Name:	Muffakham Jah College Of Engineering and Technology
Reseller:	KT Technologies.
Agreement Number:	V8632578
Start Effective Date:	2018-06-25
End Effective Date:	2021-06-30

Order Details:

Part Number	Product Description	Quantity Ordered	Coverage Period
2UJ-00011	Microsoft®DesktopEducation AllLng License/SoftwareAssurancePack Academic OLV 1License LevelE Enterprise 1Year	180	2019-07-01 - 2020-06-30
77D-00161	Microsoft®VisualStudioProSubMSDN AllLng License/SoftwareAssurancePack Academic OLV 1License LevelE AdditionalProduct 1Year	1	2019-07-01 - 2020-06-30
9EM-00292	Microsoft®WindowsServerSTDCORE AllLng License/SoftwareAssurancePack Academic OLV 16Licenses LevelE AdditionalProduct CoreLic 1Year	1	2019-07-01 - 2020-06-30

If a minus quantity is stated in the Quantity Ordered sections below, this means that we have reduced your previous order by the number of licenses reflected. Please refer to VLSC for the updated summary of all your Licensing Enrollment details.

Volume License Product Keys - To install certain licensed products you will need to use a specific Volume License Product Key (VLK). This VLK is issued to your company for your exclusive use for each specific license purchase. You agree to use your best efforts to keep a secure record of this product key including not disclosing this product key to any unauthorized third party. The VLK(s) for this enrollment can be retrieved from the VLSC at

https://www.microsoft.com/licensing/servicecenter or by calling a customer service representative – full information on this process including worldwide activation center phone number listings can be found at https://licensingapps.microsoft.com/product-activation.

If you have any questions, please contact your reseller who will work with Microsoft on your behalf.

Yours sincerely,
Microsoft Corporation(I) Pvt. Ltd.

Cc: KT Technologies.
Distributor PO number: 21-04845-19

E-Week 2018

Muffakham Jah college of Engineering and Technology was started in the year 1980, at present college B.E. intake is 780 in branches like civil Engineering, Computer Sciences and Engineering , Electronics and Communication Engineering, Electrical and Electronics engineering, Electronic Instrumentation engineering, Information Technology, Mechanical Engineering and Production Engineering. College also offers four M.E. courses.

MJCET is conducting Entrepreneurship week and ADSOPHOS from 10th to 16th February 2018 in collaboration with National Entrepreneurship network(NEN) –Wadhwani Foundation. The theam of the E-Week is be a Job Creator, living your entrepreneurial dream, break barriers, create wealth, change India. E-Week 2018 is the 10th edition. MJCET has been declared champions 4 times and runner up 3 times.

E-Week is being conducted in colleges across 45 cities in India, 5000 events are expected to be conducted.

Following awards will be given in the grand finale to be conducted in Delhi on 24th February 2018:

Ecosystem Awards:

1. Mentor of the Year
2. Romesh Wadhwani Fellowship: Start-up of the Year

Campus Ecosystem Awards:

1. Institute of the Year
2. Educator of the Year
3. E Cell of the Year
4. E Leader of the Year
5. Wadhwani Way Adoption
6. Innovation Award

Special Awards

WF NEN E Week 2018 Stars

E CELL
MJCET
E-CELL MAGAZINE
LIVE YOUR ENTREPRENEURIAL DREAM!

WADHWANI FOUNDATION
E CELL MJCET
NEN
BREAK BARRIERS.
CREATE WEALTH.
CHANGE INDIA.
LIVE YOUR ENTREPRENEURIAL DREAM!
E WEEK 2018
10-16 FEB

E-WEEK 2K16

- **E Week Inauguration Ceremony**

E-cell MJCET kicked off the celebrations of the annual E-week on **February 20**, the whole fun filled week.The inaugural ceremony will be graced by **Mr. K L Kishore (CEO of 100 pins) and Mr. Aneeq Dholakia (Founder of Spaceman and Mammoth).**The whole event is going to be coordinated under the supervision of the E-cell at MJCET,Mr. Syed Ferhatullah Hussainy (Dean MJCET), Dr. Basheer Ahmed (Director MJCET).The whole week has been planned by chief Coordinators Mr. Shaik Masthan and Ms. Sanjana, the General Secretary Mr. Sami UllahJafri, Mr. Mohammed Kashif -Ur- Rahman and PRM Head Mr. Ethemaad Ahmed.

- **E-week Magazine Launch**

  E-Week Magazine Launch was held on 20th February wherein E-leader with the Guest of Honors launched the annual Mag-e-zine. The magazine exhibited the efforts of all NEN, The Wadhwani Foundation and Ecell MJCET in the current and previous years. The whole event was coordinated by Chief coordinators and general secretaries.

MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY

MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY
E-WEEK INDIA 2K16
E-WEEK INDIA 2K16
E-WEEK INDIA 2K16
E-WEEK INDIA 2K16
ITALY

Panel Discussion: We can start a business without worrying about the impact it might have on environment. E-CELL took the initiative to motivate the students to start the business in an eco-friendly manner. Many senior experienced entrepreneurs were invited to make the students aware about the existing policies, its benefits and advantages in starting the business. A panel discussion on eco biz was also held by the E-CELL to make a start for setting up a business which is environment friendly.

- **10000+ Balloons outreach:**

Honoring Street Entrepreneurs: A day out well spent by the active members and leaders of E-CELL were given an opportunity to interact with the street entrepreneurs. The students were given a chance to meet them and get all their queries answered .Students participated with full enthusiasm and were motivated and engrossed in the discussions with different entrepreneurs.

The students were also thankful to the people and appreciated their dedication and hard work in setting up the business.

- Project Expo: This event was to bring the talent out of the students in the campus. This was held in the annual technical fest, Adsophos where students belonging to different streams come and showcase their talents and projects.

E-WEEK 2016
MJCET

- Exercises and Games
- Watch the invisible: The team will be shown a small video clip and they'll be asked questions on it. Questions will be on the things that they least notice.
- Dart it: A dart board with famous entrepreneurs will be made. Team of two, one participant describes one of the entrepreneurs on the board by what knowledge he

has about them and the other one silently guesses it and hits a dart. He gets 3 chances to get the correct answer.

- Win-Win: People are given an actual product, given a base price and ask to sell the product. If they manage to sell with profit, they get to keep it. The person with maximum amount wins.
- Decoders: In this event students will be given 5 sentences but these will be in a secret code. The key to cracking the code will be given to them. They have to decode each word and then rearrange the words to form a meaningful sentence. The more number of the sentences they decode with in the time limit, points will be awarded accordingly.
- Reel the real: People are asked to find the freshest startup story and come present it in a skit form. 4-5 people in a group. The best enacted skit with the best story wins.
- Rs. 50 Exercise: In this exercise, participants are given Rs 50 and they need to use these 50 Rupees and make the profit in a given span of time.

Thriveta – The startup Fest

THRIVETA-The Startups Fest, one of the first and largest Indian startup fest, designed especially to promote just "Student Entrepreneurship" & "Social Entrepreneurship".

The biggest entrepreneurship platform in Hyderabad on 24th& 25th February, 2016 at Muffakham Jah College of Engineering and Technology, Banjara hills organized by Entrepreneurship Cell over a course of 2 days which provides a platform for innovative startups, entrepreneur, investor ,students and young people to meet, talk, get inspired and exchange ideas. The main goal of this forum was to inspire people and equip young people who are in the process of initializing their own startup. THRIVETA’s main motto was to connect students from different fields with founder, entrepreneur, investors, educators and other inspiration mind in startup scene. This fest has many sequences namely, lectures, workshops, panel discussions, pitching ideas and placements.

GHULAM AHMED
HALL

- **Celebrating the Spirit of Entrepreneurship**: E-Cell MJCET celebrated the spirit of Entrepreneurship, a fun event organized for promotion of E-week was one of the most fun filled night by lighting sky with lanterns and bonfire. All the team members gathered and stood united with the aim to build up the spirit of entrepreneurship.

- **Village Trip:**

  The village trip is an outreach event where E-cell MJCET goes to the village where they educate and encourage rural people about entrepreneurship.

  Events like skit, interaction with students and locals, distribution of books, innovative mela (Things made up of waste are set up in the mela), etc.

NEN
INNOVATIVE

Coca-Cola
SAI SURABHI
COOL POINT

KINLEY

Muffakham Jah college of Engineering and Technology was declared E week champion award and NEN Anthem Social Media Champ Award at a function held in Bangalore on 5th March 2016. Muffakham Jah College has won the championship award for the third time successively.

The student coordinators are Mastan Shaik 4th Year ECE student and Ms. Sanjana B. 4th Year ECE student. Mr. Zafar Javeed Hon. Secretary and Dr. Basheer Ahmed appreciated the students on their achievements. Prof. Syed Farhathullah, Dean, is the Faculty Advisor.

National Entrepreneurship Network [NEN], Wadhwani Foundation felicitated institutes which best demonstrated the spirit of E Week, providing extraordinary leadership, while sustaining and growing a strong entrepreneurship ecosystem on their campuses through the year.
The theme of E-Week 2016 *"Innovative Ideas for a Better World"* focused on encouraging educators and students to become 'innovation catalysts' by making deep investments in ideas and innovations that guarantee market success. The st

Campaign which covered 45 cities, 1500 events and 8,00,000 participants, in 245 colleges in south India, the NEN 9th E-Week 2016

E Week Champion Award:Muffakham Jah College of Engineering and Technology, Hyderabad.

NEN Anthem Social Media Champ Award: Muffakham Jah College of Engineering & Technology, Hyderabad

Social Media Champ Award
Muffakham Jah College of Engi

Muffakham Jah College of Engineering and Technology

Information Technology Department

Report on Competitive Exams and Career Counseling Session

30/08/2018

The Information Technology department has conducted placement counseling for all its students as per the following schedule. A presentation regarding career opportunities in the IT domain was given by the Placement coordinator. Students were advised to focus on programming for problem solving thru programming languages like C, C++, Java, Python, and App development. Students were asked to prepare for the campus placement well in advance as the skills that would be tested are Quantitative, Analytical, English and Reasoning which are not dependent on engineering courses.

Further, the relevance of GATE examination and Telangana State PGECET for admission into Postgraduate program at IITs and state level universities was also discussed by Head of Department. The appropriate time frame for taking up Competitive exams like GRE, TOEFL/IELTS, GMAT, IES with cut off scores for getting admission into higher education institutes was provided. In conclusion, the various requirements for pursuing higher education in USA, UK, Australia, Europe and other foreign countries were highlighted.

Sl.No	Class	Date	Time	# of students attended
1	B.E (2/4) Sec A	11/07/2018	1.45 PM to 2.45 PM	61
2	B.E (2/4) Sec B	11/07/2018	2.45 PM to 3.45PM	63
3	B.E (3/4) Sec A	10/07/2018	1.45 PM to 2.45 PM	55
4	B.E (3/4) Sec B	10/07/2018	2.45 PM to 3.45 PM	53
5	B.E (4/4) Sec A	13/07/2018	2.00 PM to 3.00 PM	43
6	B.E (4/4) Sec B	13/07/2018	3.00 PM to 4.00 PM	50
7	B.E (1/4) Sec A	8/8/2018	10.00 AM to 11.00AM	55
8	B.E (1/4) Sec B	8/8/2018	11.00 AM to 12.00PM	57
Total Number of students attending the Counseling Sessions				437

Placements Coordinator, ITD

DEPARTMENT VISION: Fostering a bright technological future by enabling the students to function as leaders in software industry and serve as means of transformation to empower society through ITeS.
DEPARTMENT MISSION: To create an ambience of academic excellence through state of art infrastructure and learner-centric pedagogy leading to employability in multi-disciplinary fields.

Muffakham Jah College of Engineering and Technology

Information Technology Department

Report on Competitive Exams and Career Counseling Session

06/09/2017

The Information Technology department has conducted placement counseling for all its students as per the following schedule. A presentation regarding career opportunities in the IT Industry was given by the Placement coordinator. Students were advised to focus on programming for problem solving thru programming languages like C, C++, Java, Python, and App development. Students were asked to prepare for the campus placement well in advance as the skills that would be tested are Quantitative, Analytical, English and Reasoning which are not dependent on engineering courses.

Further, the relevance of GATE examination and Telangana State PGECET for admission into Postgraduate program at IITs and state level universities was also discussed by Head of Department. The appropriate time frame for taking up Competitive exams like GRE, TOEFL/IELTS, GMAT, IES with cut off scores for getting admission into higher education institutes was provided. In conclusion, the various requirements for pursuing higher education in USA, UK, Australia, Europe and other foreign countries were highlighted. IT Department also organized "Department Campus Recruitment Training" (DCRT) for BE III year students during second semester for enhancing the programming skills by a team of in-house faculty members.

Sl.No	Class	Date	Time	Number of students attended
1	B.E (2/4) Sec A	12/07/2017	11.00 AM to 12.00PM	63
2	B.E (2/4) Sec B	12/07/2017	12.00 PM to 01.00PM	62
3	B.E (3/4) Sec A	13/07/2017	11.00 AM to 12.00PM	55
4	B.E (3/4) Sec B	13/07/2017	12.00 PM to 01.00PM	58
5	B.E (4/4) Sec A	14/07/2017	2.00 PM to 3.00 PM	48
6	B.E (4/4) Sec B	14/07/2017	3.00 PM to 4.00 PM	41
7	B.E (1/4) Sec A	02/08/2017	10.00 AM to 11.00AM	58
8	B.E (1/4) Sec B	02/08/2017	11.00 AM to 12.00PM	59
Total Number of students attending the Counseling Sessions				444

Placements Coordinator, ITD

DEPARTMENT VISION: Fostering a bright technological future by enabling the students to function as leaders in software industry and serve as means of transformation to empower society through ITeS.
DEPARTMENT MISSION: To create an ambience of academic excellence through state of art infrastructure and learner-centric pedagogy leading to employability in multi-disciplinary fields.

Muffakham Jah College of Engineering and Technology

Information Technology Department

Report on Competitive Exams and Career Counseling Session

13/09/2016

The Information Technology department has conducted placement counseling for all its students as per the following schedule. A presentation regarding career opportunities in the IT domain was given by the Placement coordinator. Students were advised to focus on programming for problem solving thru programming languages like C, C++, Java, Python, and App development. Students were asked to prepare for the campus placement well in advance as the skills that would be tested are Quantitative, Analytical, English and Reasoning which are not dependent on engineering courses.

Further, the relevance of GATE examination and Telangana State PGECET for admission into Postgraduate program at IITs and state level universities was also discussed by Head of Department. The appropriate time frame for taking up Competitive exams like GRE, TOEFL/IELTS, GMAT, IES with cut off scores for getting admission into higher education institutes was provided. In conclusion, the various requirements for pursuing higher education in USA, UK, Australia, Europe and other foreign countries were highlighted. IT Department also organized "Department Campus Recruitment Training" (DCRT) for BE III year students during second semester for enhancing the programming skills by a team of in-house faculty members.

Sl.No	Class	Date	Time	# students attended
1	B.E (2/4) Sec A	20/07/2016	10.00 AM to 11.00AM	58
2	B.E (2/4) Sec B	20/07/2016	11.00 AM to 12.00AM	60
3	B.E (3/4) Sec A	22/07/2016	2.00 PM to 3.00 PM	45
4	B.E (3/4) Sec B	22/07/2016	3.00 PM to 4.00 PM	58
5	B.E (4/4) Sec A	23/07/2016	11.00 AM to 12.00PM	49
6	B.E (4/4) Sec B	23/07/2016	12.00 PM to 01.00PM	30
7	B.E (1/4) Sec A	10/08/2016	10.00 AM to 11.00AM	55
8	B.E (1/4) Sec B	10/08/2016	11.00 AM to 12.00PM	56
Total Number of students benefited by counseling				411

Placements Coordinator, ITD

Muffakham Jah College of Engineering and Technology

Information Technology Department

Report on Competitive exams and Career Counseling session

06/10/2015

The Information Technology department has conducted placement counseling for all its students as per the following schedule. A presentation regarding career opportunities in the IT domain was given by the Placement coordinator. Students were advised to focus on programming for problem solving thru programming languages like C, C++, and Java. Students were asked to prepare for the campus placement well in advance as the skills that would be tested are Quantitative, Analytical, English and Reasoning which are not dependent on engineering courses.

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Sl.No	Class	Date	Time	# students attended
1	B.E (2/4) Sec A	29/07/2015	10.00 AM to 11.00AM	55
2	B.E (2/4) Sec B	29/07/2015	11.00 AM to 12.00AM	57
3	B.E (3/4) Sec A	30/07/2015	10.00 AM to 11.00AM	59
4	B.E (3/4) Sec B	30/07/2015	11.00 AM to 12.00AM	51
5	B.E (4/4) Sec A	28/07/2015	10.00 AM to 11.00AM	55
6	B.E (4/4) Sec B	28/07/2015	11.00 AM to 12.00AM	47
7	B.E (1/4) Sec A	12/08/2015	10.00 AM to 11.00AM	56
8	B.E (1/4) Sec B	12/08/2015	11.00 AM to 12.00PM	58
Total Number of students benefited by counseling				438

Placements Coordinator, ITD

Muffakham Jah College of Engineering and Technology

Information Technology Department

Report on Competitive Exams and Career Counseling Session

21/10/2014

The Information Technology department has conducted placement counseling for all its students as per the following schedule. A presentation regarding career opportunities in the IT domain was given by the Placement coordinator. Students were advised to focus on programming for problem solving thru programming languages like C, C++, and Java. Students were asked to prepare for the campus placement well in advance as the skills that would be tested are Quantitative, Analytical, English and Reasoning which are not dependent on engineering courses.

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Sl.No	Class	Date	Time	# students attended
1	B.E (2/4) Sec A	28/7/2014	10.00 AM to 11.00AM	49
2	B.E (2/4) Sec B	28/7/2014	11.00 AM to 12.00AM	54
3	B.E (3/4) Sec A	29/07/2014	10.00 AM to 11.00AM	55
4	B.E (3/4) Sec B	29/07/2014	11.00 AM to 12.00AM	52
5	B.E (4/4) Sec A	30/08/2014	10.00 AM to 11.00AM	40
6	B.E (4/4) Sec B	30/08/2014	11.00 AM to 12.00AM	47
7	B.E (1/4) Sec A	16/09/2014	10.00 AM to 11.00AM	55
8	B.E (1/4) Sec B	16/09/2014	11.00 AM to 12.00PM	54
Total Number of students benefited by counseling				406

Placements Coordinator, ITD

MUFFAKHAM JAH
COLLEGE OF ENGINEERING & TECHNOLOGY

(Established by Sultan-Ul-Uloom Education Society in 1980)
(Affiliated to Osmania University, Hyderabad)
(Approved By The AICTE & Accreditated By NBA)

MEMORANDUM OF UNDERSTANDING

Prometheus Patent Services Pvt Ltd.

and

Muffakham Jah College of Engineering and Technology

Re: **Patent Search, Patent Drafting & Filing.**

THIS MEMORANDUM OF UNDERSTANDING made this 26 day of November 2018 between **Prometheus Patent Services Private Limited** having office at Plot No. 34B, Sai Dwaraka Sinman, 1st Floor, HUDA Heights, Near Lotus Pond, MLA Colony, Road No. 12, Banjara Hills, Hyderabad-500034, Telangana, India, hereinafter referred to as **"PROMETHEUS"** of the ONE PART and **Muffakham Jah College of Engineering and Technology** having office at Rd Number 3, Venkateshwara Hills, Banjara Hills, Hyderabad-500034, Telangana, India., hereinafter referred to as **"MJCET"** of the SECOND PART;

AND WHEREAS the parties hereto are desirous of recording the terms and conditions of their agreement in writing

NOW THIS MEMORANDUM OF UNDERSTANDING WITNESSETH AS UNDER:-

1. PROMETHEUS agreed to provide Patent Search, Patent Drafting and Patent filing services to MJCET.

2. It has been mutually agreed that the Patent search and Patent drafting will be charged at **INR 30,000/-** (including applicable tax) per patent application from 26th November 2018 till next three years.

3. It is further agreed that PROMETHEUS will raise an invoice at the start of the patent search work and MJCET will release 100% of the invoice amount as the payment before initiating the work.

-249, to 267, "Mount Pleasant" Road, No. 3, Banjara Hills, Post Box No. 14, Hyderabad - 500
Phone : 040 - 23280301, 23280305, Fax : 040 - 2335 3428, Website : www.mjcollege.ac.
E-mail : principal@mjcollege.ac.in / director@mjcollege.ac.in

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4. It is further agreed that MJCET will bear the applicable statutory fee and out of pocket expenses at the time of filing. Following are the statutory fee details prescribed by Indian Patent Office, Govt of India as on 26th November, 2018

Particulars	For Natural person(s) (Rs.)	For small entity (Rs.)	For others except small entity (Rs.)
Basic filing fee	1600	4000	8000
Addl. Page fee	160	400	800
Addl. Claim fee	320	800	1600
Early publication fee	2500	6250	12500
Request for examination fee	4000	10000	20000
Preparation of certified copy of priority documents	1000 (upto 30 pages and thereafter, 30 for each extra page)	2500 (upto 30 pages and thereafter, 75 for each extra page)	5000 (upto 30 pages and thereafter, 150 for each extra page)

IN WITNESS WHEREOF the parties hereto have hereunto set and subscribed their respective hands the day and year first hereinabove written.

SIGNED AND DELIVERED by the within-named

Muffakham Jah College of Engineering and Technology Rd Number 3, Venkateshwara Hills, Banjara Hills, Hyderabad-500034, Telangana, India. By: _____ Name: **Dr. Basheer Ahmed** Designation: Advisor-cum-Director / Convener	**Prometheus Patent Services Pvt Ltd,** Plot No. 34B, Sai Dwaraka Sinman, HUDA Heights, Near Lotus Pond, Road No. 12, Banjara Hills, Hyderabad-34, Telangana, India. By: _____ Name: **Y. Naresh Kumar Reddy** Designation: Shareholder & Associate Director

ADVISOR-CUM-DIRECTOR

MUFFAKHAM JAH

PROMETHEUS PATENT SERVICES PVT. LTD. HYD

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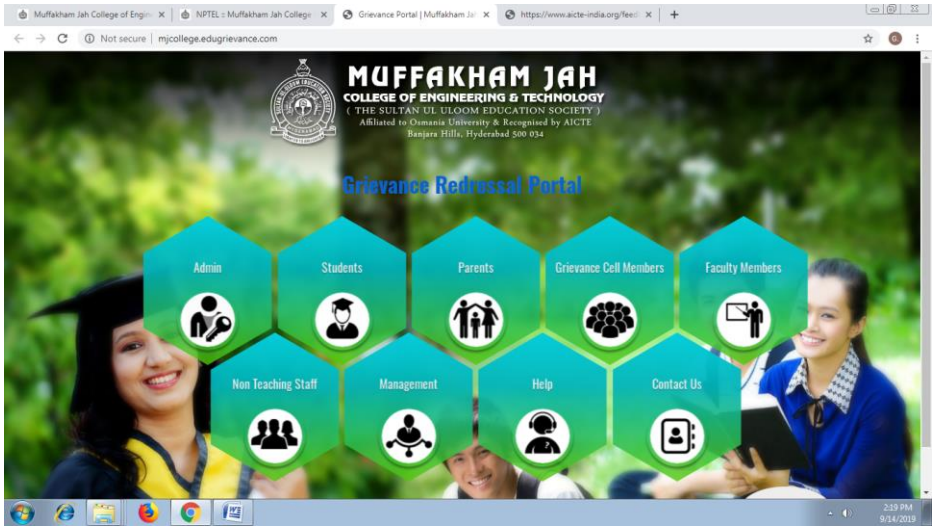
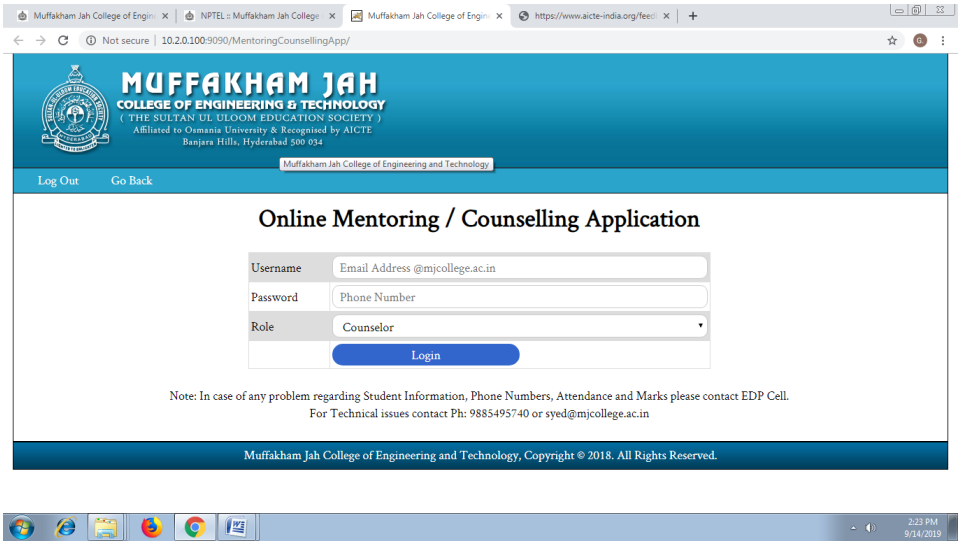
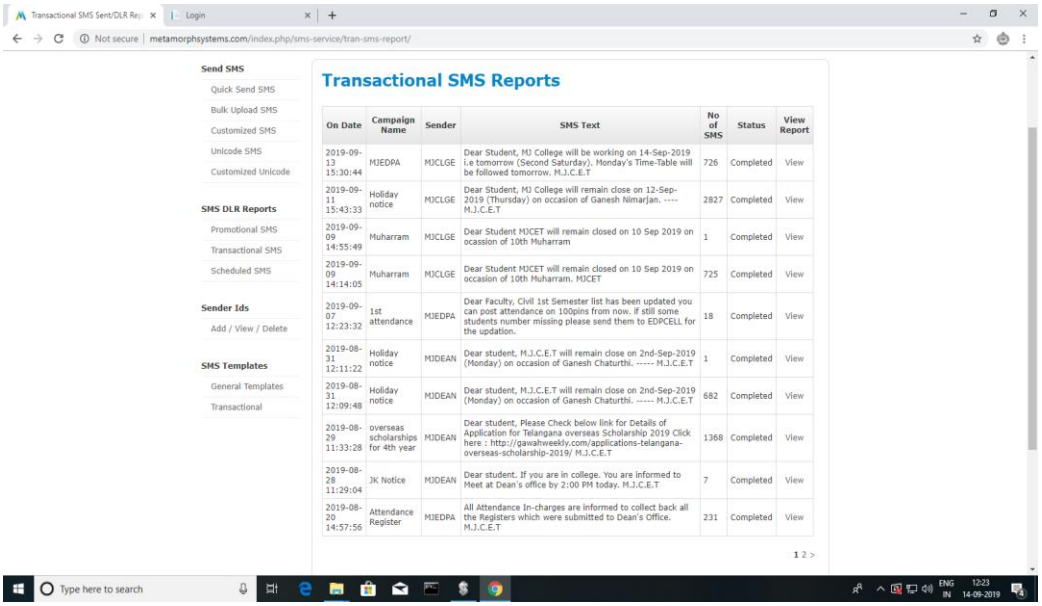


Online Mentoring Portal

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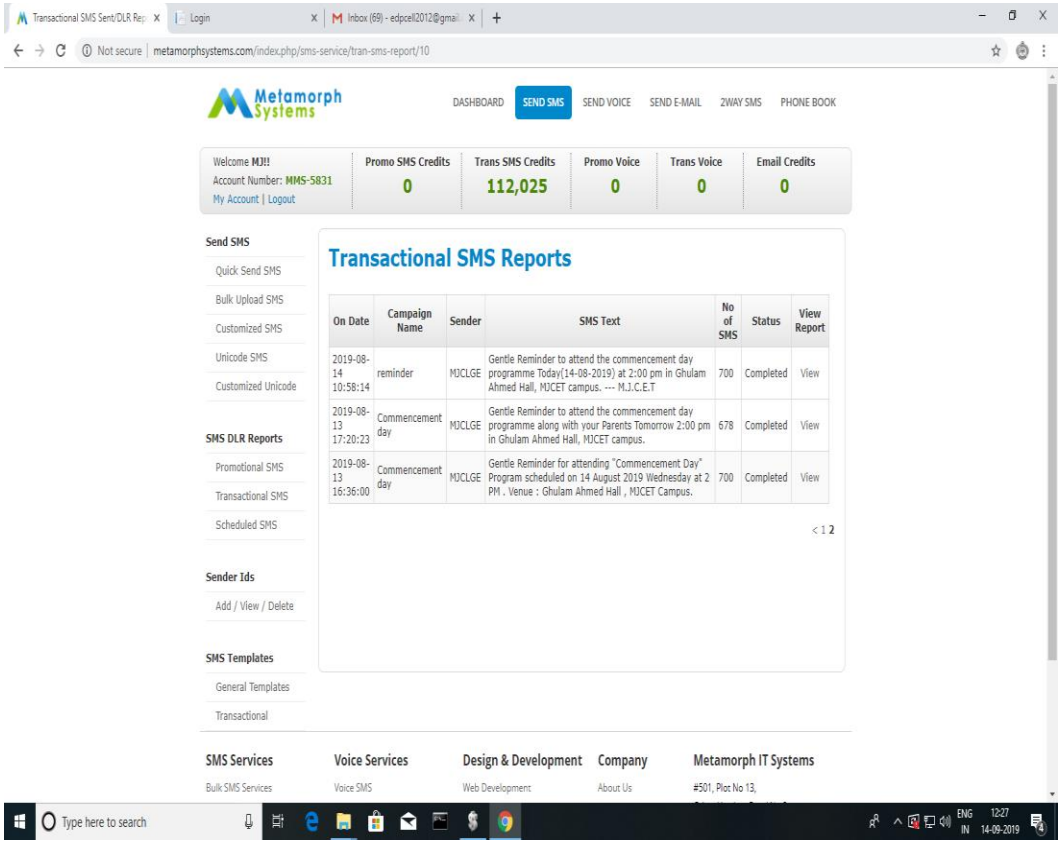
Send SMS
Quick Send SMS
Bulk Upload SMS
Customized SMS
Unicode SMS
Customized Unicode
SMS DLR Reports
Promotional SMS
Transactional SMS
Scheduled SMS
Sender Ids
Add / View / Delete
SMS Templates
General Templates
Transactional
Transactional SMS Reports
On Date | Campaign Name | Sender | SMS Text | No of SMS | Status | View Report
2019-09-13 15:30:44 | MJEDPA | MJCLGE | Dear Student, MJ College will be working on 14-Sep-2019 i.e tomorrow (Second Saturday). Monday's Time-Table will be followed tomorrow. M.J.C.E.T | 726 | Completed | View
2019-09-11 15:43:33 | Holiday notice | MJCLGE | Dear Student, MJ College will remain close on 12-Sep-2019 (Thursday) on occasion of Ganesh Nimarjan. ---- M.J.C.E.T | 2827 | Completed | View
2019-09-09 14:55:49 | Muharram | MJCLGE | Dear Student MJCET will remain closed on 10 Sep 2019 on ocassion of 10th Muharram | 1 | Completed | View
2019-09-09 14:14:05 | Muharram | MJCLGE | Dear Student MJCET will remain closed on 10 Sep 2019 on occasion of 10th Muharram. MJCET | 725 | Completed | View
2019-09-07 12:23:32 | 1st attendance | MJEDPA | Dear Faculty, Civil 1st Semester list has been updated you can post attendance on 100pins from now. if still some students number missing please send them to EDPCELL for the updation. | 18 | Completed | View
2019-08-31 12:11:22 | Holiday notice | MJDEAN | Dear student, M.J.C.E.T will remain close on 2nd-Sep-2019 (Monday) on occasion of Ganesh Chaturthi. ----- M.J.C.E.T | 1 | Completed | View
2019-08-31 12:09:48 | Holiday notice | MJDEAN | Dear student, M.J.C.E.T will remain close on 2nd-Sep-2019 (Monday) on occasion of Ganesh Chaturthi. ----- M.J.C.E.T | 682 | Completed | View
2019-08-29 11:33:28 | overseas scholarships for 4th year | MJDEAN | Dear student, Please Check below link for Details of Application for Telangana overseas Scholarship 2019 Click here : http://gawalhweekly.com/applications-telangana-overseas-scholarship-2019/ M.J.C.E.T | 1368 | Completed | View
2019-08-28 11:29:04 | JK Notice | MJDEAN | Dear student, If you are in college. You are informed to Meet at Dean's office by 2:00 PM today. M.J.C.E.T | 7 | Completed | View
2019-08-20 14:57:56 | Attendance Register | MJEDPA | All Attendance In-charges are informed to collect back all the Registers which were submitted to Dean's Office. M.J.C.E.T | 231 | Completed | View
1 2 >
Type here to search
ENG IN 12:23 14-09-2019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Inbox (69) - edpcell2012@gmail
Not secure | metamorphsystems.com/index.php/sms-service/tran-sms-report/10
Metamorph Systems
DASHBOARD | SEND SMS | SEND VOICE | SEND E-MAIL | 2WAY SMS | PHONE BOOK
Welcome MJ!!
Account Number: MMS-5831
My Account | Logout
Promo SMS Credits 0
Trans SMS Credits 112,025
Promo Voice 0
Trans Voice 0
Email Credits 0
Send SMS
Quick Send SMS
Bulk Upload SMS
Customized SMS
Unicode SMS
Customized Unicode
SMS DLR Reports
Promotional SMS
Transactional SMS
Scheduled SMS
Sender Ids
Add / View / Delete
SMS Templates
General Templates
Transactional
Transactional SMS Reports
On Date | Campaign Name | Sender | SMS Text | No of SMS | Status | View Report
2019-08-14 10:58:14 | reminder | MJCLGE | Gentle Reminder to attend the commencement day programme Today[14-08-2019) at 2:00 pm in Ghulam Ahmed Hall, MJCET campus. --- M.J.C.E.T | 700 | Completed | View
2019-08-13 17:20:23 | Commencement day | MJCLGE | Gentle Reminder to attend the commencement day programme along with your Parents Tomorrow 2:00 pm in Ghulam Ahmed Hall, MJCET campus. | 678 | Completed | View
2019-08-13 16:36:00 | Commencement day | MJCLGE | Gentle Reminder for attending "Commencement Day" Program scheduled on 14 August 2019 Wednesday at 2 PM . Venue : Ghulam Ahmed Hall , MJCET Campus. | 700 | Completed | View
< 1 2
SMS Services
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ENG IN 12:27 14-09-2019

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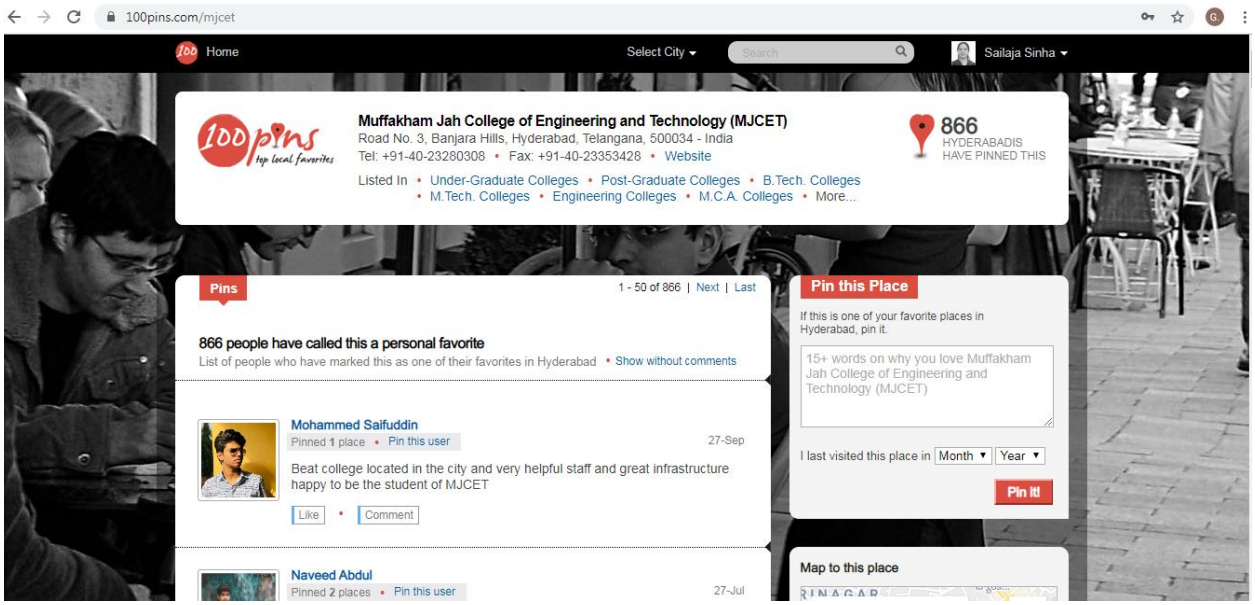


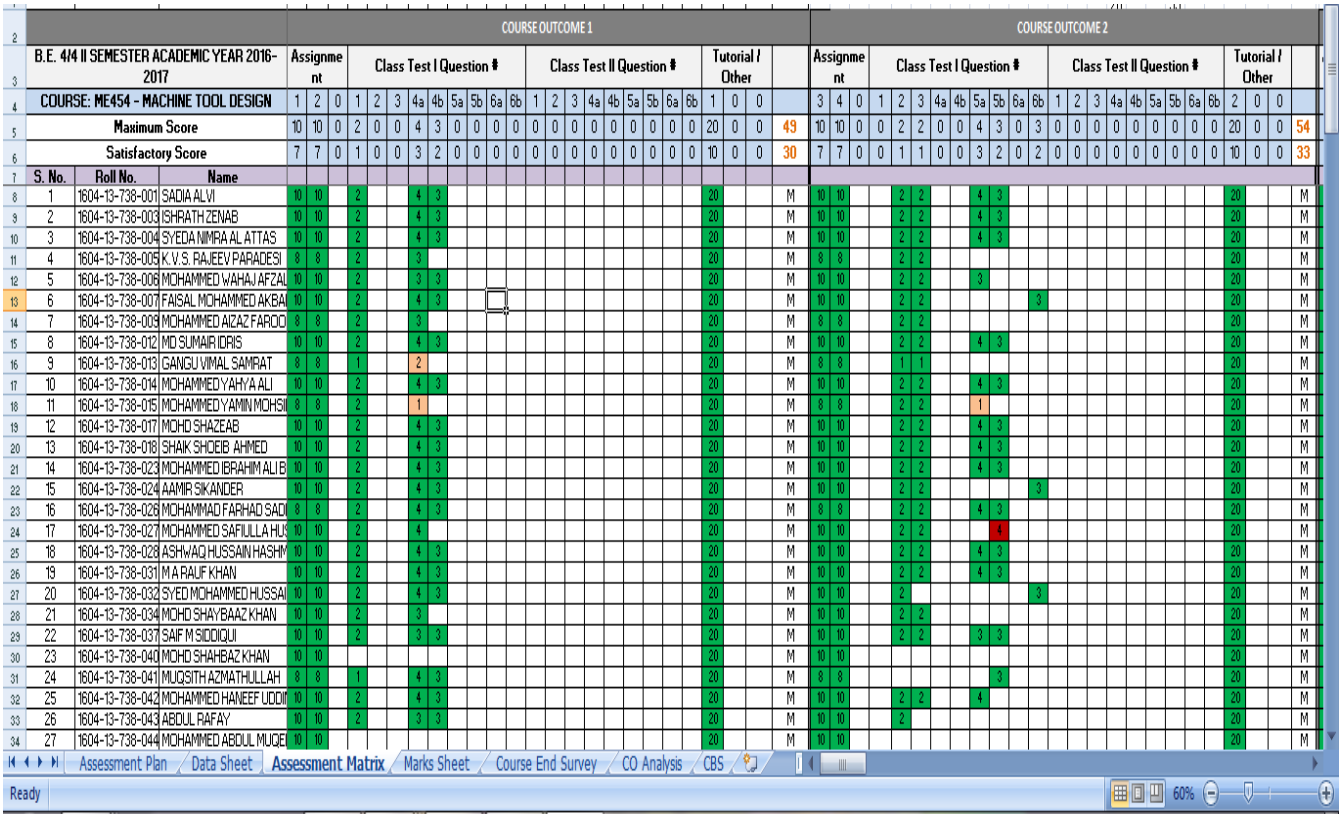
Online Assessment Matrix

MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY
MECHANICAL ENGINEERING DEPARTMENT
B.E. 4/4 II SEMESTER ACADEMIC YEAR 2016-2017
COURSE OUTCOME ASSESSMENT MATRIX

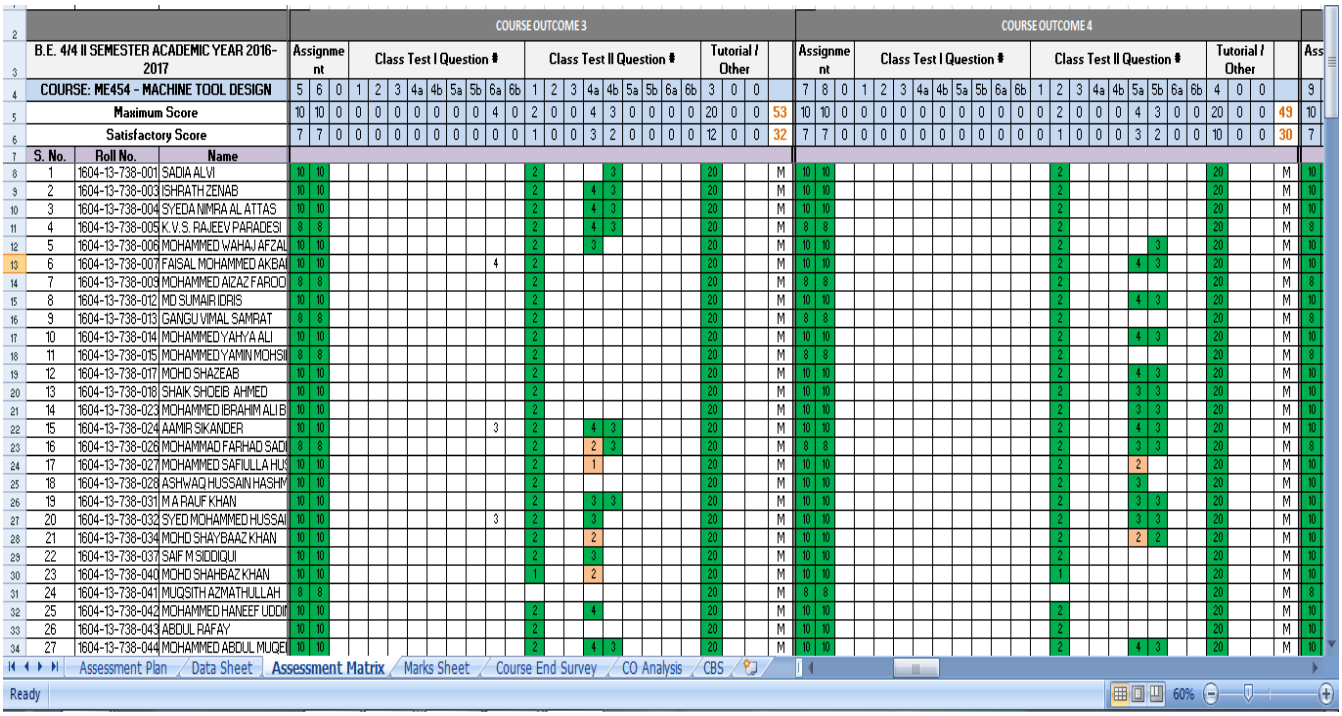
FACULTY: NBV LAKSHMI KUMARI | COURSE: ME454 - MACHINE TOOL DESIGN | CLASS: 4/4 PRODUCTION

Course Outcome #	Correlation with Units of Syllabus	Topics in syllabus	Identified Assessment tools	Assignment			Class Test I			Class Test II			Tutorial / CR Problem Solving / Quiz / Minute			% Total
				Question Number	Maximum Score	Satisfactory Score	Question Number	Maximum Score	Satisfactory Score	Question Number	Maximum Score	Satisfactory Score	Question Number	Maximum Score	Satisfactory Score	
I	UNIT-I	Classification of machine tools. Mechanisms for converting rotary to linear motion and intermittent motion.. Kinematic structures of machine tools general purpose special purpose, automatic screw cutting machines. Basic features of transfer machines. Numerical control of machine tools. Schematic diagram of NC systems.	CLASS TEST 1,ASSIGNMENT AND QUIZ TEST	1	10	7	1	2	1	1			1	20	10	61
				2	10	7	2			2						
							3			3						
							4a	4	3	4a						
							4b	3	2	4b						
				NOT APPLICABLE			5a			5a			NOT APPLICABLE			
							5b			5b						
							6a			6a						
							6b			6b						
				Total	20	14	Total	9	6	Total	0	0	Total	20	10	
II	UNIT-II	Drives of machine tools; selection of range of speeds and feeds. Speed layout in A.P, G.P and logarithmic progression. Standardisation of speeds and feeds. Productivity loss.. Selection of highest and lowest speeds, range ratio. Design of ray diagram and speed spectrum diagram for machine tool gear boxes.. Design of number of teeth and module of gears in gear box design. Rules for the layout of gear box	CLASS TEST 1,ASSIGNMENT AND QUIZ TEST	3	10	7	1			1			2	20	10	61
				4	10	7	2	2	1	2						
							3	2	1	3						
							4a			4a						
							4b			4b						
				NOT APPLICABLE			5a	4	3	5a			NOT APPLICABLE			
							5b	3	2	5b						
							6a			6a						
							6b	3	2	6b						
				Total	20	14	Total	14	9	Total	0	0	Total	20	10	

Assessment Matrix



B.E. 4/4 II SEMESTER ACADEMIC YEAR 2016-2017			COURSE OUTCOME 1																													COURSE OUTCOME 2																									
			Assignment			Class Test I Question #									Class Test II Question #												Tutorial / Other				Assignment			Class Test I Question #									Class Test II Question #												Tutorial / Other			
COURSE: ME454 - MACHINE TOOL DESIGN			1	2	0	1	2	3	4a	4b	5a	5b	6a	6b	1	2	3	4a	4b	5a	5b	6a	6b	1	0	0		3	4	0	1	2	3	4a	4b	5a	5b	6a	6b	1	2	3	4a	4b	5a	5b	6a	6b	2	0	0	
Maximum Score			10	10	0	2	0	0	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	49	10	10	0	0	2	2	0	0	4	3	0	0	3	0	0	0	0	0	0	0	0	0	20	0	0	54
Satisfactory Score			7	7	0	1	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	30	7	7	0	0	1	1	0	0	3	2	0	0	2	0	0	0	0	0	0	0	0	0	10	0	0	33
S. No.	Roll No.	Name																																																					
1	1604-13-738-001	SADIA ALVI	10	10		2			4	3														20			M	10	10			2	2			4	3														20			M
2	1604-13-738-003	ISHRATH ZENAB	10	10		2			4	3														20			M	10	10			2	2			4	3														20			M
3	1604-13-738-004	SYEDA NIMRA AL ATTAS	10	10		2			4	3														20			M	10	10			2	2			4	3														20			M
4	1604-13-738-005	K. V. S. RAJEEV PARADESI	8	8		2			3															20			M	8	8			2	2																	20			M
5	1604-13-738-006	MOHAMMED WAHAJ AFZAL	10	10		2			3	3														20			M	10	10			2	2			3														20			M
6	1604-13-738-007	FAISAL MOHAMMED AKBAI	10	10		2			4	3														20			M	10	10			2	2						3										20			M
7	1604-13-738-009	MOHAMMED AIZAZ FAROO	8	8		2			3															20			M	8	8			2	2																	20			M
8	1604-13-738-012	MD SUMAIR IDRIS	10	10		2			4	3														20			M	10	10			2	2			4	3														20			M
9	1604-13-738-013	GANGU VIMAL SAMRAT	8	8		1			2															20			M	8	8			1	1																	20			M
10	1604-13-738-014	MOHAMMED YAHYA ALI	10	10		2			4	3														20			M	10	10			2	2			4	3														20			M
11	1604-13-738-015	MOHAMMED YAMIN MOHSI	8	8		2			1															20			M	8	8			2	2			1														20			M
12	1604-13-738-017	MOHD SHAZEAB	10	10		2			4	3														20			M	10	10			2	2			4	3														20			M
13	1604-13-738-018	SHAIK SHOEIB AHMED	10	10		2			4	3														20			M	10	10			2	2			4	3														20			M
14	1604-13-738-023	MOHAMMED IBRAHIM ALI B	10	10		2			4	3														20			M	10	10			2	2			4	3														20			M
15	1604-13-738-024	AAMIR SIKANDER	10	10		2			4	3														20			M	10	10			2	2						3										20			M
16	1604-13-738-026	MOHAMMAD FARHAD SADI	8	8		2			4	3														20			M	8	8			2	2			4	3														20			M
17	1604-13-738-027	MOHAMMED SAFIULLA HUS	10	10		2			4															20			M	10	10			2	2				4														20			M
18	1604-13-738-028	ASHWAQ HUSSAIN HASHM	10	10		2			4	3														20			M	10	10			2	2			4	3														20			M
19	1604-13-738-031	M A RAUF KHAN	10	10		2			4	3														20			M	10	10			2	2			4	3														20			M
20	1604-13-738-032	SYED MOHAMMED HUSSAI	10	10		2			4	3														20			M	10	10			2							3										20			M
21	1604-13-738-034	MOHD SHAYBAAZ KHAN	10	10		2			3															20			M	10	10			2	2																	20			M
22	1604-13-738-037	SAIF M SIDDIQUI	10	10		2			3	3														20			M	10	10			2	2			3	3														20			M
23	1604-13-738-040	MOHD SHAHBAZ KHAN	10	10																				20			M	10	10																					20			M
24	1604-13-738-041	MUQSITH AZMATHULLAH	8	8		1			4	3														20			M	8	8										3										20			M
25	1604-13-738-042	MOHAMMED HANEEF UDDI	10	10		2			4	3														20			M	10	10			2	2			4														20			M
26	1604-13-738-043	ABDUL RAFAY	10	10		2			3	3														20			M	10	10			2																	20			M
27	1604-13-738-044	MOHAMMED ABDUL MUQE	10	10																				20			M	10	10																					20			M



B.E. 4/4 II SEMESTER ACADEMIC YEAR 2016-2017			COURSE OUTCOME 3																													COURSE OUTCOME 4																									
			Assignment			Class Test I Question #									Class Test II Question #												Tutorial / Other				Assignment			Class Test I Question #									Class Test II Question #												Tutorial / Other			
COURSE: ME454 - MACHINE TOOL DESIGN			5	6	0	1	2	3	4a	4b	5a	5b	6a	6b	1	2	3	4a	4b	5a	5b	6a	6b	3	0	0		7	8	0	1	2	3	4a	4b	5a	5b	6a	6b	1	2	3	4a	4b	5a	5b	6a	6b	4	0	0	
Maximum Score			10	10	0	0	0	0	0	0	0	0	4	0	2	0	0	4	3	0	0	0	0	20	0	0	53	10	10	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	4	3	0	0	20	0	0	49
Satisfactory Score			7	7	0	0	0	0	0	0	0	0	0	0	1	0	0	3	2	0	0	0	0	12	0	0	32	7	7	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3	2	0	0	10	0	0	30
S. No.	Roll No.	Name																																																			
1	1604-13-738-001	SADIA ALVI	10	10											2				3					20			M	10	10													2									20			M
2	1604-13-738-003	ISHRATH ZENAB	10	10											2			4	3					20			M	10	10													2									20			M
3	1604-13-738-004	SYEDA NIMRA AL ATTAS	10	10											2			4	3					20			M	10	10													2									20			M
4	1604-13-738-005	K. V. S. RAJEEV PARADESI	8	8											2			4	3					20			M	8	8													2									20			M	8
5	1604-13-738-006	MOHAMMED WAHAJ AFZAL	10	10											2			3						20			M	10	10													2							3		20			M	10
6	1604-13-738-007	FAISAL MOHAMMED AKBAI	10	10									4		2									20			M	10	10													2					4	3			20			M	10
7	1604-13-738-009	MOHAMMED AIZAZ FAROO	8	8											2									20			M	8	8													2									20			M	8
8	1604-13-738-012	MD SUMAIR IDRIS	10	10											2									20			M	10	10													2					4	3			20			M	10
9	1604-13-738-013	GANGU VIMAL SAMRAT	8	8											2									20			M	8	8													2									20			M	8
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17	1604-13-738-027	MOHAMMED SAFIULLA HUS	10	10											2			1						20			M	10	10													2									20			M	10
18	1604-13-738-028	ASHWAQ HUSSAIN HASHM	10	10											2									20			M	10	10													2					3				20			M	10
19	1604-13-738-031	M A RAUF KHAN	10	10											2			3	3					20			M	10	10													2					3	3			20			M	10
20	1604-13-738-032	SYED MOHAMMED HUSSAI	10	10									3		2			3						20			M	10	10													2					3	3			20			M	10
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22	1604-13-738-037	SAIF M SIDDIQUI	10	10											2			3						20			M	10	10													2									20			M	10
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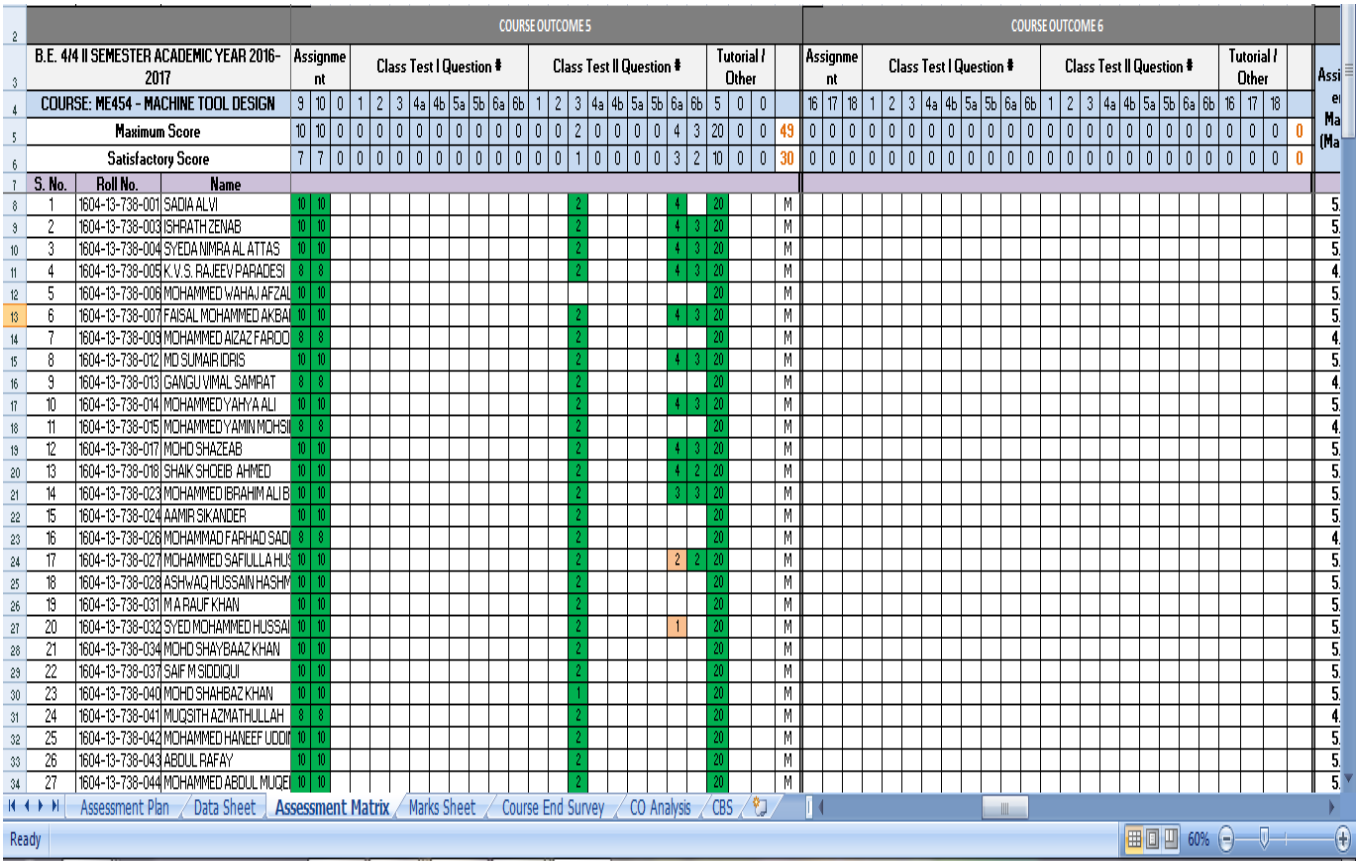
26	1604-13-738-043	ABDUL RAFAY	10	10											2									20			M	10	10													2									20			M	10
27	1604-13-738-044	MOHAMMED ABDUL MUQE	10	10											2			4	3					20			M	10	10													2					4	3			20			M	10



				COURSE OUTCOME 5																								COURSE OUTCOME 6																								
	B.E. 4/4 II SEMESTER ACADEMIC YEAR 2016-2017			Assignment		Class Test I Question #										Class Test II Question #										Tutorial / Other				Assignment		Class Test I Question #										Class Test II Question #										Tutorial / Other				Assi er Ma (Ma
	COURSE: ME454 - MACHINE TOOL DESIGN			9	10	0	1	2	3	4a	4b	5a	5b	6a	6b	1	2	3	4a	4b	5a	5b	6a	6b	5	0	0		16	17	18	1	2	3	4a	4b	5a	5b	6a	6b	1	2	3	4a	4b	5a	5b	6a	6b	16	17	18		
	Maximum Score			10	10	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	4	3	20	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Satisfactory Score			7	7	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3	2	10	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	S. No.	Roll No.	Name																																																			
	1	1604-13-736-001	SADIA ALVI	10	10												2						4		20			M																										
	2	1604-13-736-003	ISHRATH ZENAB	10	10												2						4	3	20			M																										
	3	1604-13-736-004	SYEDA NIMRA AL ATTAS	10	10												2						4	3	20			M																										
	4	1604-13-736-005	K.V.S. RAJEEV PARADESI	8	8												2						4	3	20			M																										
	5	1604-13-736-006	MOHAMMED WAHAJ AFZAL	10	10																				20			M																										
	6	1604-13-736-007	FAISAL MOHAMMED AKBAI	10	10												2						4	3	20			M																										
	7	1604-13-736-009	MOHAMMED AIZAZ FAROO	8	8												2								20			M																										
	8	1604-13-736-012	MD SUMAIR IDRIS	10	10												2						4	3	20			M																										
	9	1604-13-736-013	GANGU VIMAL SAMRAT	8	8												2								20			M																										
	10	1604-13-736-014	MOHAMMED YAHYA ALI	10	10												2						4	3	20			M																										
	11	1604-13-736-015	MOHAMMED YAMIN MOHSII	8	8												2								20			M																										
	12	1604-13-736-017	MOHD SHAZEAB	10	10												2						4	3	20			M																										
	13	1604-13-736-018	SHAIK SHOEIB AHMED	10	10												2						4	2	20			M																										
	14	1604-13-736-023	MOHAMMED IBRAHIM ALI B	10	10												2						3	3	20			M																										
	15	1604-13-736-024	AAMIR SIKANDER	10	10												2								20			M																										
	16	1604-13-736-026	MOHAMMAD FARHAD SADI	8	8												2								20			M																										
	17	1604-13-736-027	MOHAMMED SAFIULLA HUS	10	10												2						2	2	20			M																										
	18	1604-13-736-028	ASHWAQ HUSSAIN HASHM	10	10												2								20			M																										
	19	1604-13-736-031	M A RAUF KHAN	10	10												2								20			M																										
	20	1604-13-736-032	SYED MOHAMMED HUSSAI	10	10												2						1		20			M																										
	21	1604-13-736-034	MOHD SHAYBAAZ KHAN	10	10												2								20			M																										
	22	1604-13-736-037	SAIF M SIDDIQUI	10	10												2								20			M																										
	23	1604-13-736-040	MOHD SHAHBAZ KHAN	10	10												1								20			M																										
	24	1604-13-736-041	MUQSITH AZMATHULLAH	8	8												2								20			M																										
	25	1604-13-736-042	MOHAMMED HANEEF UDDI	10	10												2								20			M																										
	26	1604-13-736-043	ABDUL RAFAY	10	10												2								20			M																										
	27	1604-13-736-044	MOHAMMED ABDUL MUQE	10	10												2								20			M																										

Assessment Plan | Data Sheet | Assessment Matrix | Marks Sheet | Course End Survey | CO Analysis | CBS

Ready

60%

SULTAN-UL-ULOOM EDUCATION SOCIETY

Road No.3, Banjara Hills, Hyderabad-500 034.

476/SUES/2018/ 4027

Date : 6.2.2018

To
Dr. M. Suman Roy
Thro' Principal, Ghulam Ahmed College of Education

We take pleasure in appointing you as "**Counsellor**" for the Students of Campus Institutions in Sultan-ul-Uloom Education Society, on part-time basis, i.e. thrice a week on Monday, Tuesday and Wednesday from 10:00 a.m. to 3:30 p.m., on a consolidated pay of Rs.20,000/- per month for a period of one year under the following terms and conditions:

1. The appointment shall take effect from 2.4.2018.
2. The appointment shall be subject to termination on one month's notice on either side. However, you will not be relieved during the middle of the academic year and you must continuously work for atleast one academic year, subject to the Management being at liberty to accept the resignation *or* terminate your service in the middle of the year.
3. You shall abide by the Service Rules and Regulations as framed by the Society.

You are advised to report to Hony. Secretary, Sultan-ul-Uloom Education Society immediately.

Please sign the duplicate copy of this letter as token of your acceptance of the offer and return it to the Office of Sultan-ul-Uloom Education Society.

HONY. SECRETARY

Copy to :
1) The Heads of Institutions (Campus)
2) P.O., SUES
3) A.O. (Accts.), SUES
4) Society's office

Cc: Principal/Dean/Rest

Cc: Head/Sec I/c

Wednesday

Mr Iyer
Manager

Women Grievance & Redressal Cell

Objectives:

- The Cell will deal with the cases / complaints of sexual harassment and any other type of harassment of the female students, teaching and non-teaching women staff of the college.
- The Cell shall process all the individual complaints and take immediate suitable action.
- The Cell will provide assistance to the Faculty/College for taking preventive steps in the matter of gender discrimination and sexual harassment.
- The head of the institution shall appoint a senior lady faculty as chairperson of the cell.
- The Cell may form / review the guidelines / policy for redressal of the grievance as required from time to time, which may be in accordance with those issued by Supreme Court and Government Agencies.

Composition:

Women Grievance & Reddressal Cell (WGRC) consists of six full time women faculty members and five girl students from across the institution. One of the faculty members is designated as the chairperson of the cell.

Grievance Redressal Procedure:

- Any women employee or female student will have the right to lodge a complaint concerning sexual harassment against a male student or the employee of the institute by writing a letter to chairperson WGRC.
- The complaint will be afforded full confidentiality at this stage.

- After receiving the complaint, the chairperson shall convene the meeting of the cell.
- The chairperson will appoint investigation committee and coordinator will convene the meetings.
- The investigation committee shall then decide the course of action to proceed.
- The complaint will stand dropped if in accordance to the committee the complaint has not been able to establish authenticity of the grievance.
- In case the grievance is found to be genuine, the investigation committee will recommend a suitable redressal for further action by the head of the institution.

CCTV CAMERAS INSTALLATION POINTS IN CAMPUS

I SMART TECHNOLOGIES

We Secure You

Date:01-12-2018

REF: ISP/1223

TO
MJCET
ROAD NO.3, BANJARA HILLS
HYDERABAD-500034

ANNUAL MAINTENANCE CONTRACT

PERIOD OF CONTRACT : One Year

CONFIGURATION/INSTRUMENTS : 16 Port DVRs-3 NOS, 3-TB HDDs

CONTRACT VALUE : **Rs 77,500/- (COMPREHENSIVE)**

(Service Tax @18% Extra)

TERMS AND CONDITIONS : AS ENCLOSED

For I SMART TECHNOLOGIES,

AUTHORISED SIGNATORY (CUSTOMER'S SEAL & SIGNATURE)

TERMS & CONDITIONS

H.No-1-10-1/35, Sai Nagar Colony, Kushaiguda, ECIL, Hyderabad
Ph.:-+91-8121663663, 9885711887

I SMART TECHNOLOGIES

We Secure You

M/S I SMART TECHNOLOGIES(IST) will maintain the equipments on terms & conditions mentioned below:

-

1.0 **SCOPE**

1.2 Maintenance services shall consist only corrective maintenance of system supplied by I Smart Technologies i.e., if any spares are to be replaced will be charged at Actuals. (Comprehensive Contract.)

2.0 HOURS OF SERVICE

2.1 Supervision and maintenance service will be confined to IST working hours only.

2.2 COMPLAINTS –Dial 8121663663 for Complaints by Call or SMS will be responded within 6 hours.

2.3 **VISITS:** Only 8 Visits monthly during customer calls.

3.0 DURATION OF CONTRACT

3.1 The duration of contract is as mentioned overleaf.

4.0 CARE OF THE EQUIPMENT

4.1 Charges for shifting of system from the installed position to any other location will be Extra.

5.0 EXEMPTION

5.1 ISP shall not be liable for failure to perform any of its obligation under or arising out of this contract, if such failures result from any force major act.

6.0 PAYMENT TERMS

6.1 Maintenance charges commence from the effective date and shall be payable in advance for each year.

7.0 ADDITIONAL CHARGES

7.1 If repairs or replacement which are necessitated by the customer or any other third party's fault, ISP reserves the right to make additional charges.

9.0 TERMINATION

9.1 If the customer commits any breach of this contract with ISP (including failure to pay on the due date any maintenance charges) and fails to remedy it promptly on receiving written notice from ISP, them ISP may by a written notice terminate this contract.

10.0 CONTRACT

10.1 The document together with any attachment here signed by both parties shall constitute the entire binding contract between ISP and customer. This contract shall be governed in all respects by Indian Law. The foregoing terms and conditions shall prevail unless variations have been specifically agreed up to by ISP in written.

H.No-1-10-1/35, Sai Nagar Colony, Kushaiguda, ECIL, Hyderabad
Ph.:-+91-8121663663, 9885711887

MUFFAKHAM JAH
COLLEGE OF ENGINEERING & TECHNOLOGY

(Estd. by Sultan-Ul-Uloom Education Society in 1980)
(Affiliated to Osmania University, Hyderabad)
(Approved by the AICTE & Accreditated by NBA)

Agreement

We are agreeing to take 6 months package of 100pins.com for creating:

1. Students/alumni management system for MJCET
2. Public page on 100pins.com for MJCET.

The duration of agreement starts from date of receiving cheque of Rs 17,753 (SBH 461194 dated 12/8/2014) i.e. 20th October 2014 to 20th April 2015.

The agreement shall be terminated by giving one month notice on either side. The company should inform the college and give details of the funds generated. The agreement shall be binding upon parties. The agreement shall be enforced under the law of the state of Telengana.

20/10

20th October 2014

Advisor cum Director

ADVISOR-CUM-DIRECTOR
Muffakham Jah College of
Engineering & Technology
Road No: 3, Banjara Hills,
Hyderabad - 500 034.(A.P.)

To
K.N Kishore Kadiyala
LRR Technologies (Hyderabad)private limited
202A,IInd Floor, San Remo Apartment,
10-1-128, Masab Tank
Hyderabad-28

local favorites

100pins.com | 040-6666-5175 | ~~info~~@100pins.com

2th January 2014

The Principal
Muffakham Jah College of Engineering and Technology
Hyderabad - 500034

A fund-generating application to enhance alumni networks and digitize college communications

Dear Sir:

Thank you for giving us time to see the list management application that we at 100pins.com have created.

The **main problems that the application solves** for colleges are the following:

1. Most colleges **face high difficulty tracking many of their alumni**
2. Keeping updated whatever alumni database has been created, is also problematic since alumni do not have the motivation (or details) to log in to an alumni portal regularly and **update their data**
3. Alumni can help current students and other alumni in many ways, but the alumni databases of most colleges do not have many features to **allow – and encourage – interaction between members**
4. Creating an evolved student/alumni portal, and working continuously to add features to it to keep members engaged, is quite **expensive**
5. **Faculty interaction with specific sets of students** (e. g. a lecturer wanting to send an email to only students of 2nd year B. Tech. (Mechanical Engineering), Section A) is not usually possible from a single list, with multiple lists needing to be created for different groups of students
6. Some **faculty members are slow to adopt technology** in education, since they perceive it as either complicated or unnecessary
7. There is usually **no direct financial benefit from using technology in education** – it is only a cost source

The 100pins.com list management application that we showed you **solves all of these problems, in the following ways**:

1. The application is built on the common belief that **70-80% of alumni of a college are connected among themselves on Facebook/LinkedIn already**. Thus, it is innovatively designed in a fashion that if just the current students of a college sign up with the application, recent alumni get to know of it through repeated notifications appearing on their Facebook/LinkedIn feeds, and as more alumni sign up in response, even more alumni get to know of it and sign up. Thus, with almost zero effort, the college creates a far more populous database that it would by its own current and significant efforts.
2. The application is also a **highly-evolved** and **extremely simple-to-use mailing list**, where **members can interact** over email (even though email addresses are not displayed), either individually or in groups. So a member can send emails to another member, her entire batch, all alumni in a particular city/country, all alumni of a particular year etc – and they can create their own custom emails (e. g. mybatch@100pins.com), to which they can write directly. This helps faculty, students and alumni interact extensively, helping everyone, and increasing the enthusiasm of the members to use the application regularly.

3. The above feature also means that the data can be kept updated through the college sending a periodic email to all members (say once every 6 months) using the application itself, **asking alumni to update their own data**.

4. The application can **generate funds for MJCET**– several lakhs of rupees a year potentially – if you use it for communications.

5. The application costs **just Rs. 1,975 a month** (when paid in advance annually) per college, irrespective of number of users or emails, which makes it highly affordable.

Aug 2014 to March 2015
1975 × 8 = + 12.36% ST.

In addition:

6. The application is **professionally designed**, and has **an elegant interface**, creating a positive impression among users and encouraging them to explore and use it.

7. It has **many more features**:

   - Each college can have any number of member groups (students/alumni, faculty and non-teaching staff are typical groups), and any number of fields to collect data for each member group
   - There can be any number of administrators for a college's list, with various different permissions
   - Any amount of information can be stored for each member, including notes by faculty members
   - Membership and conversations can be moderated
   - Faculty can interact with current students completely over email to send notifications / course material etc. (or even by SMS, though SMS is not covered in the monthly fee and is charge extra)
   - Both membership and emails can be fully moderated by the administrators
   - The college can itself fill all the data for each student/alumnus and send them an email, where they can just see the data and authenticate it
   - ...and a lot more.

8. All members are **authenticated by a rigorous process**, making members feel comfortable that the application is quite safe.

9. It keeps getting better, with **newer features being added regularly**, at the same price.

10. It **enhances MJCET's reputation further** by making a public page that has glowing reviews for MJCET by current students and alumni, **rank high on search engines and get shared on Facebook**.

The student/alumni application on 100pins.com is extremely evolved, and extremely competitively priced. Needless to say, many leading colleges have signed up for it within just a few months. This is just a **partial** list, of **30 top colleges/groups**, that have signed up or are in advanced stages of signing up:

1. IIT Madras
2. R V College of Engineering, Bangalore
3. University of Hyderabad
4. Bangalore Medical College, Bangalore
5. College of Engineering Guindy, Chennai (Anna University)
6. Osmania University College of Engineering
7. Osmania University Arts College
8. Osmania University College for Women
9. Osmania University College for Commerce and Business Management
10. Osmania University College of Science, Saifabad
11. Osmania University PG College, Secunderabad
12. IIIT Hyderabad
13. JNAFAU, Hyderabad
14. Chaitanya Bharathi Institute of Technology, Hyderabad (CBIT)
15. Mahatma Gandhi Institute of Technology, Hyderabad (MGIT)

16. CVR College of Engineering, Hyderabad
17. VNR VJIET, Hyderabad
18. MVSR Engineering College, Hyderabad
19. Sreenidhi Institute of Science & Technology, Hyderabad
20. G Narayanamma Institute of Technology and Sciences, Hyderabad
21. Vishnu Group of Colleges, Hyderabad (4 colleges including BVRIT)
22. JB Group Of Educational Institutions, Hyderabad (7 colleges including JBIET)
23. St. Francis College for Women, Hyderabad
24. St. Mary's College, Hyderabad
25. Loyola Academy, Hyderabad
26. Reddy Women's College, Hyderabad
27. Nizam College, Hyderabad
28. Pragati Mahavidyalaya, Hyderabad
29. A V College, Hyderabad
30. MLR Group, Hyderabad (3 colleges including MLRIT)

Price: Rs. 1,975 per month (paid once a year in advance) + service tax

We hope that you will see it fit to implement this product at MJCET. We await your response. Thanking you,

Yours truly,

K N Kishore Kadiyala

Kishore Kadiyala
100pins.com
9246372012
040-66665175

LRR Technologies (Hyderabad) Pvt. Ltd.

MUFFAKHAM JAH
COLLEGE OF ENGINEERING & TECHNOLOGY

(Estd. by Sultan-Ul-Uloom Education Society in 1980)
(Affiliated to Osmania University, Hyderabad)
(Approved by the AICTE & Accreditated by NBA)

Ref: MJ/14/S-2/W629/PO/16/755 October 27, 2014

To
Mr. K.N. Kishore Kadiyala
100 Pins.Com
LRR Technologies (Hyderabad) Private Limited
202A, 2nd Floor, San Remo Apartment,
10-1-128, Masab Tank
HYDERABAD - 500 028

Sir,

Sub: Fund Generating application to enhance Alumni Networks and Digitize College Communication - Order placed - Reg.

Ref: Your letter dated: 12.1.2014

* * * *

This is with reference to letter dated: 12.1.2014, we are pleased to take 8 months package of 100 pins for this College for creating as mentioned below:-

S.No.	Description	Duration	Amount
1	**Pacakage for** 1. Student/Alumni Management System for MJCET 2. Public Page on 100 Pins.com for MJCET (Rs. 1,975/- x 8 months)	From 1.8.2014 to 31.3.2015	Rs. 15,800/-
		Service Tax Tax 12.36%	Rs. 1,953/-
		TOTAL	**Rs. 17,753/-**

The duration of package from **1st August 2014** to **31st March 2015**. The payment has already made through A/c Payee Cheque for Rs **17,753/-** bearing No. **461194** dated: **12.8.2014** in favour LRR Technologies (Hyderabad) Pvt. Ltd.

Terms & Conditions

1. The agreement shall be terminated by giving one month notice on either side.
2. The Company should inform the College and give details of the funds generated.
3. The agreement shall be binding upon parties and shall be enforced under the law of the State of Telanagana.

ADVISOR-CUM-DIRECTOR
ADVISOR-CUM-DIRECTOR
Muffakham Jah College of Engineering & Technology
Road No: 3, Banjara Hills,
Hyderabad - 500 034.(A.P.)

Copy to:
The Accounts Section, MJCET.

8-2-249 to 267, "Mount Pleasant" Road, No. 3, Banjara Hills, Post Box No. 14, Hyderabad - 500 034.
Phone : 040 - 23280301, 23280305, Fax : 040 - 2335 3428. Website : www.mjcollege.ac.in
E-mail : principal@mjcollege.ac.in / director@mjcollege.ac.in

Ref: 100pins/2014-15/

20/10/14

Receipt For Payment

Payment received from Mr./Ms./M/s. Muffakham JAH College of Engg & Tech.
a sum of Rs. 17,753/- vide cheque / cash SBH (Banjara Hills) 461194
dated 12/8/14 as payment towards buying **student / alumni management system** {[redacted]} on 100pins.com. for a period of 8 months 1st Aug 2014 to 31st Mar 2015

For LRR Technologies (Hyd) Pvt. Ltd.

S. [illegible]
20/10/14
Authorized Signatory

LRR Technologies (Hyderabad) Pvt. Ltd.

S. [illegible]
20/10/14

1 20 Nov
2 20 Dec
3 20 Jan
4 20 Feb
5 20 March
6 20 April.

SBH
स्टेट बैंक ऑफ हैदराबाद
State Bank of Hyderabad

(20940) - P AND SB BANJARA HILLS,HYDERABAD
MOUNT PLEASANT, 8-2-249 TO 267
ROAD NO 3, BANJARA HILLS
HYDERABAD 500034
IFSC Code: SBHY0020940

Valid for 3 months from the date of instrument

1	2	0	8	2	0	1	4
D	D	M	M	Y	Y	Y	Y

ACCOUNT PAYEE

Pay LRR Technologies (Hyderabad) Pvt. Ltd. को या उनके आदेश पर OR ORDER

RUPEES Seventeen thousand seven hundred and fifty three only

अदा करें ₹ 17,753/-

NOT OVER RS. 1000000/-

खा. सं. /c. No. 52086275130

FOR MUFFAKHAM JAH COLLEGE OF ENGG & TECH

MULTICITY CHEQUE Payable at par at all Branches of SBH

TREASURER HONY.SECRETARY ADVISOR-DIRECTOR

Please sign above

Prefix : 2109100004
17062014 MCA

⑈461194⑈ 500004096⑆ 000006⑈ 29

SULTAN-UL-ULOOM EDUCATION SOCIETY

Road No.3, Banjara Hills, Hyderabad-500 034.

476/SUES/2018/ 4027

Date : 6.2.2018

To
Dr. M. Suman Roy
Thro' Principal, Ghulam Ahmed College of Education

We take pleasure in appointing you as "**Counsellor**" for the Students of Campu Institutions in Sultan-ul-Uloom Education Society, on part-time basis, i.e. thrice a week o Monday, Tuesday and Wednesday from 10:00 a.m. to 3:30 p.m., on a consolidated pay o Rs.20,000/- per month for a period of one year under the following terms and conditions:

1. The appointment shall take effect from 2.4.2018.
2. The appointment shall be subject to termination on one month's notice on either side. However, you will not be relieved during the middle of the academic yea and you must continuously work for atleast one academic year, subject to th Management being at liberty to accept the resignation *or* terminate your service in th middle of the year.
3. You shall abide by the Service Rules and Regulations as framed by the Society.

You are advised to report to Hony. Secretary, Sultan-ul-Uloom Education Socie nediately.

Please sign the duplicate copy of this letter as token of your acceptance of the offer a rn it to the Office of Sultan-ul-Uloom Education Society.

HONY. SECRETA

Copy to : 1) The Heads of Institutions (Campus)
2) P.O., SUES
3) A.O. (Accts.), SUES
4) Society's office

INTERNATIONAL DAY AGAINST DRUG ABUSE AND ILLICIT TRAFFICKING
26.JUNE.2019

WORLD SUICIDE PREVENTION DAY SEP.10.2018

“INTERNATIONAL WOMEN’S DAY 2019: BALANCE FOR BETTER”

Better the balance, better the world

2019 marks the beginning of celebrating a gender balanced world to commemorate, the achievements of women through the ages. Let’s assemble to acknowledge their contribution to society and at the same time strive for gender balance.

Gloria Steinem, world-renowned feminist, journalist and activist once explained, "The story of women's struggle for equality belongs to no single feminist nor to any one organization but to the collective efforts of all who care about human rights."

Right now is a great and important time in history to do everything possible to help forge a more gender-balanced world. Women have come a long way, yet there's still more to be achieved.

Think special, build smart, and innovate for change

As we arrive at International Women's Day 2019, there is worldwide call-to-action for driving gender balance across the world. How can we make a difference? Innovation and technology provide unprecedented opportunities, yet trends indicate a growing gender digital divide and women are under-represented in the field of science, technology, engineering, mathematics and design. It prevents them from developing and influencing gender-responsive innovations to achieve transformative gains for society.

Gender balance is essential for economies & communities to thrive. So let’s progress towards a more balanced world through innovation for change.

Sultan ul-Uloom Education Society

Muffakham Jah College of Engineering & Technology
Ghulam Ahmed College of Education
Amjad Ali Khan College of Business Administration
Sultan-ul-uloom College of Law
Sultan-ul-uloom College of Pharmacy
Sultan-ul-uloom Junior College
Sultan-ul-uloom Public School

SULTAN-UL-ULOOM EDUCATION SOCIETY

Celebrates

“International Women’s Day 2019: Balance For Better”

(Better the balance, better the world)

SHIKHA GOEL, IPS,
Addl Commissioner of Police,
(Crimes & SIT) In-charge of
SHE Teams

RANI REDDY
Director, Corporate Affairs,
Sakshi Telugu News Daily
Jagati Publications

HARI CHANDANA, IAS,
Zonal Commissioner,
West Zone GHMC

SULTAN-UL-ULOOM EDUCATION SOCIETY
Mount Pleasant, 8-2-249 to 267, Road No. 3,
Banjara Hills, Hyderabad, Telangana 500034
Phone: 040 2328 0200

PROGRAM

11:00 a.m. - Opening remarks by **Zafar Javeed**, Hony. Secretary, S.U.E.S

11:10 a.m. - Address by the **Chief Guest**, **Shikha Goel**, IPS,

11:25 a.m. - Key Note address by **Special Guest**, **Rani Reddy**

11: 40 a.m. - Address by **Guest of Honour**, **Hari Chandana**, IAS

11:50 p.m. - Vote of Thanks by **Dr. Suman Roy**, Psychologist, SUES

INSTRUCTIONS

- Invitees are requested to occupy their seats by 10:45 a.m.
- Kindly keep your phones on silent mode during the session
- All women faculty and students are invited

In the Name of Allah, the Most Beneficent, the Most Merciful

SULTAN-UL-ULOOM EDUCATION SOCIETY

Celebrates

International Women's Day 2019:

Balance For Better

(Better the balance, better the world)

On Friday, the 1st of March, 2019 at 11:00 a.m.

Chief Guest
SHIKHA GOEL, IPS,
Addl Commissioner of Police,
(Crimes & SIT) In-charge of
SHE Teams

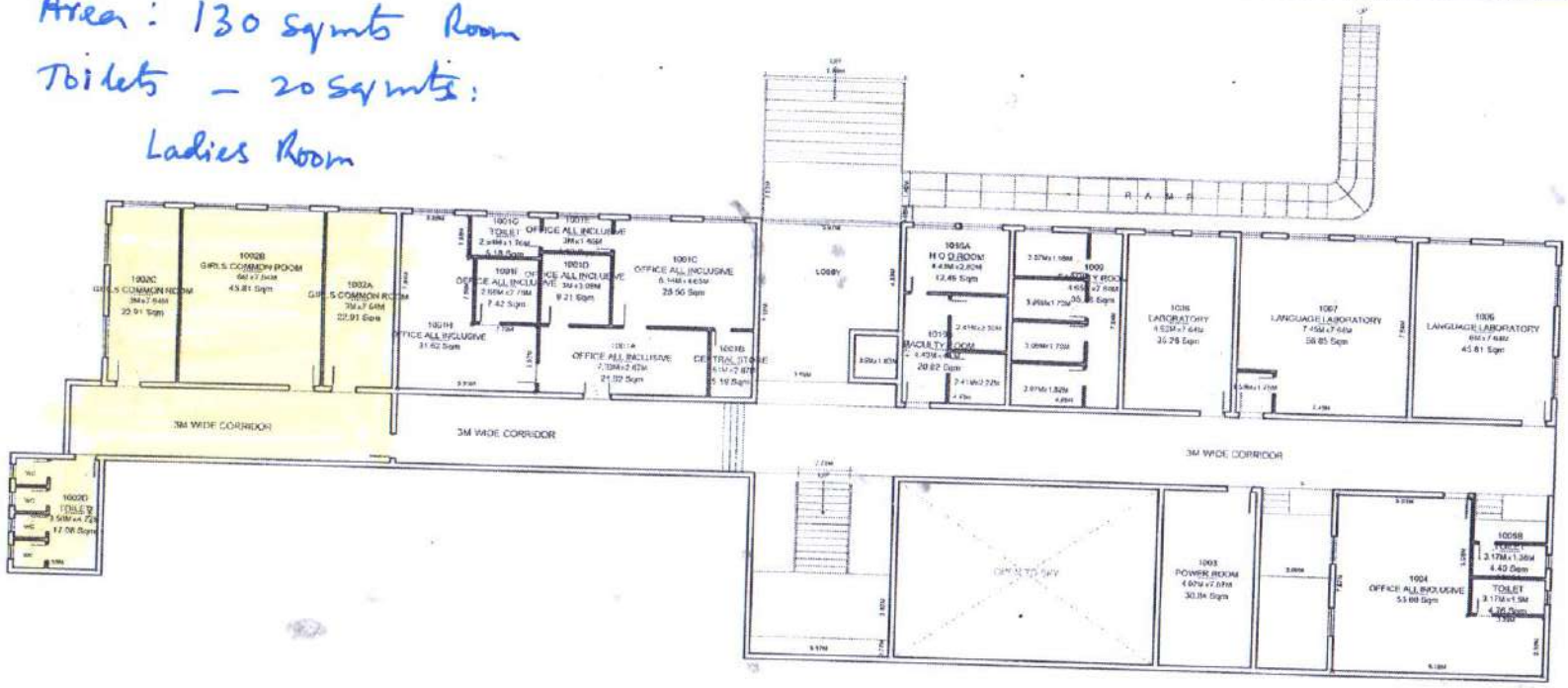
Guest of Honour
HARI CHANDANA, IAS,
Zonal Commissioner,
West Zone GHMC

Special Guest
RANI REDDY
Director, Corporate Affairs,
Sakshi Telugu News Daily
Jagati Publications

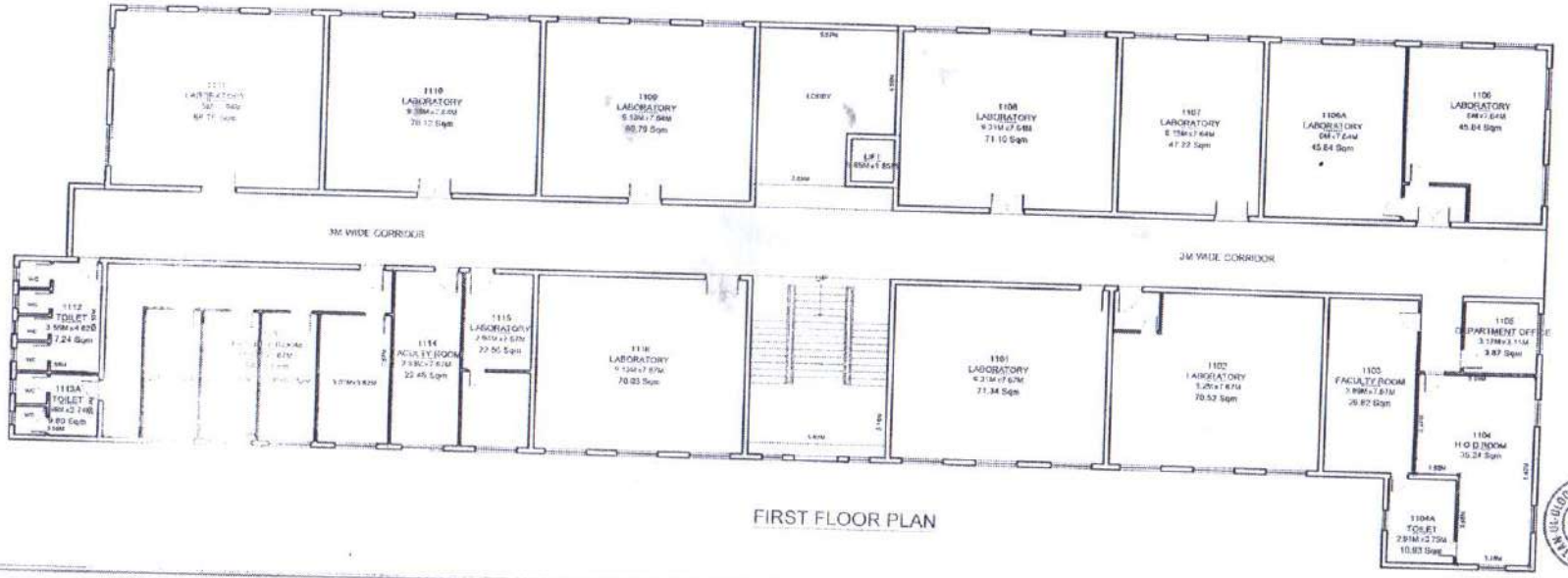
Zafar Javed
Hony. Secretary

Venue
Ghulam Ahmed Auditorium
MJ College Campus
Rd.# 3, Banjara Hills

Area : 130 sqmts Room
Toilets – 20 sqmts:
Ladies Room



GROUND FLOOR PLAN



FIRST FLOOR PLAN

PROJECT

PLAN SHOWING EXISTING MUFFAKHAM JAH COLLEGE OF ENGINEERING & TECHNOLOGY, SULTAN-UL-ULOOM EDUCATION SOCIETY, MOUNT PLEASANT, 8-2-249 TO 287, ROAD NO 3, BANJARA HILLS, HYDERABAD, T.S, INDIA

BELONGS TO: SULTAN-UL-ULOOM EDUCATION SOCIETY, REP BY: HONOURABLE SECRETARY, MR ZAFAR JAVEED

AS BUILT DRAWINGS

BLOCK-I AREA STATEMENT

I	BUILT UP AREA		
(a)	GROUND FLOOR AREA	=	1010.94 Sqm
(b)	FIRST FLOOR AREA	=	1260.28 Sqm
(c)	SECOND FLOOR AREA	=	1268.28 Sqm
(d)	THIRD FLOOR AREA	=	1268.28 Sqm
(e)	FOURTH FLOOR AREA	=	1265.28 Sqm
	TOTAL BUILT UP AREA	=	6083.36 Sqm

BLOCK-1

(f)	INSTITUTIONAL AREA	=	2745.67 Sqm
(g)	ADMINISTRATIVE AREA	=	589.56 Sqm
(h)	AMENITIES AREA	=	265.27 Sqm
	TOTAL BUILT UP AREA	=	4080.32 Sqm

NORTH | SCALE :

ARCHITECT SIGN

N.SHARADA
CA/2002/26952

APPLICANT SIGN

HONY. SECRETARY
Sultan-ul-Uloom Education Society
"Mount Pleasant", 8-2-249 TO 287, Road No-3,
Banjara Hills, Hyderabad-500 034.
T.S. India.

SULTAN-UL-ULOOM EDUCATION SOCIETY HYD 34

TITLE : GROUND & FIRST FLOOR PLANS OF BLOCK-1.

DWG NO. 02

SULTAN-UL-ULOOM EDUCATION SOCIETY

Mount Pleasant, Road No.03,Banjara Hills Hyderabad-500034

~~475~~/SUES/2019/1327 Date: 08.05.2019

To
M/s. Sri Sai Ram Housekeeping Contractors,
#5-9-62, Khan Lateef Khan Estate,
Fatehmaidan Club Road,
Hyderabad - 500001
Registration No.202 of 2019

Sir,

Sub: SUES, Banjara Hills - Renewal of contract period and Enhancement in wages for the personnel who are working in the Soceity Campus - Regarding

Ref:Your Application dated 27 th April 2019.

Particulars of personnel and their wages

S.No.	Categores of Personnel	No.	Basic Pay	Other Allowance	Gross Pay P.M	Enhancement	Future pay	ESI Contri. @ 4.75%
1	SECURITY GUARD (BOUNCERS)	4	6,500	6,000	12,500	500	13,000	618
2	SECURITY GUARD (BOUNCERS)	10	6,500	4,000	10,500	500	11,000	523
3	MAALI	4	5,000	3,500	8,500	500	9,000	428
4	PARKING HELPERS	5	5,000	3,500	8,500	500	9,000	428
5	HOUSEKEEPING HELPERS	5	5,000	3,500	8,500	500	9,000	428
6	SWEEPERS	6	4,000	2,500	6,500	500	7,000	333
	TOTAL:	34	32,000	23,000	55,000	3,000	58,000	2,758

With reference to your application the contract is hereby renewed and the wages will be increased as mentioned above on the following terms and conditions:

1 This contract is for a period of Two Years for the period from 01.04.2019 to 31.03.2021 and the enhancement in wages as mentioned above w.e.f.01.04.2019.

2 The above categories of personnel have to attend duty for 09 hours shift from 08.30 am to 05.30 pm.

3 The Wages bill will be paid by the 5th of every month through Account Payee cheque duly deducting TDS as per Imcome Tax Act.

4 The Contractor's share of ESI Contribution @ 4.75% will be reimbursed.

Contd...2...

K.P. Rao

5 The Contractor is reponsible for the statutory liabilities in repect of the personnel deputed in the society campus. The society will not be responsible for the Statutory Liabilities whatsoever in any manner.

6 The Officer Incharge will oversee the services of the Personnel every day and report to the competent authority.

7 If any person is absent on duty it will be treated as Loss of Pay and wages will be deducted accordingly.

8 All the personnel deputed shall necessarily wear proper uniform and ID card during Duty hours.

9 The contract will be renewed on the basis of feedback and satisfactory services rendered by the personnel deputed at the society.

10 The Contract shall be terminated by giving one month notice on either side.

11 You shall make payment as agreed every month as mentioned above, after deducting Rs.500/- P.M. per person as your agency charges.

K.P.

M/s. SRI SAI RAM HOUSE KEEPING CONTRACTOR

HONY.SECRETARY

Copy to:

1 The Dean (Admin).MJCET
2 The OSD,SUED
3 The CMO,SUES
4 The A.O.(Accounts),SUES
5 Society Office

Examination

SBI

3/L March

(5)

Muffakham Jah College of Engineering and Tech
Mount Pleasant, 8-2-249 to 267, Road No. 3, Banjara Hills, , Hyderabad-500034
Date: 16-Oct-2019

e-Receipt for State Bank Collect Payment

SBCollect Reference Number	DUC1925717
Bank Reference Number	CHC0714138
Category	B.E.(NON-CBCS) SUPPLY EXAM FEE, NOV/DEC-2019
ROLL NO	1604-14-736-012
BRANCH	MECH
SEMESTER	III/IV - II SEM
STUDENT NAME	SYED ABRAR ALI
FATHER NAME	SYED IDRIS
MOBILE NUMBER	868656482
SUBJECT1	MACHINE DESIGN
SUBJECT2	HEAT TRANSFER
SUBJECT3	REFG. AND AIR CONDITIONING
SUBJECT4	CONTROL SYSTEM THEORY
Total No. of Backlogs	4
EXAM FEE	1200
Transaction charge	11.80
Total Amount (In Figures)	1,211.80
Total Amount (In Words)	Rupees One Thousand Two Hundred Eleven and Paise Eighty Only
Remarks	
Notification 1	ROLL NUMBER MUST BE SEPARATED BY HYPHEN (-) EXAMPLE: 1604-16-733-001. EXAMINATION FEE UP TO FOUR PAPERS IS RS 1200/- & EXAMINATION FEE ABOVE 4 PAPERS IS RS 2000/-.
Notification 2	This form will be used by students (NON-CBCS) appearing for I YEAR, II/IV - I SEM, II/IV - II SEM, III/IV - I SEM, III/IV - II SEM, IV/IV - I SEM, BC I & II SEM, Supply/Backlogs exam which will be held in Nov/Dec 2019.

OSMANIA UNIVERSITY
HYDERABAD,(TS)

03-05-2019 15:44:2

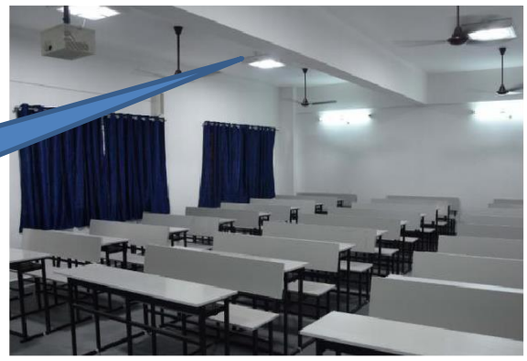
B.E. - AICTE II Sem - 736 - Mechanical - 1604 - Muffakham Jah College of Engineering & Technology , Banjara Hills , Hyderabad

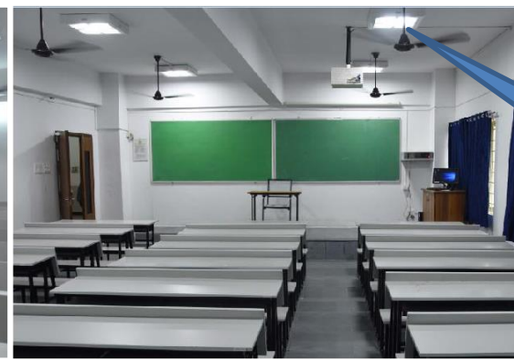
271 - ENGLISH
272 - MATHEMATICS II
273 - CHEMISTRY
274 - PROG.FOR PROBLEM SOLVING
281 - ENGLISH LAB
282 - CHEMISTRY LAB
283 - PROG.FOR PROBLEM SOLVING LAB
284 - WORKSHOP MANUF.PROCESS LAB

SNO	HTNO	Name	271	272	273	274	281	282	283	284
1	160418736001	NILOUFER SARAH	30	30	30	30	23	24	25	40
2	160418736002	SAMAA IDRIS	30	30	30	30	22	25	24	41
3	160418736003	MOHAMMED ASIM AYYAN KHAN	30	29	29	29	21	24	21	40
4	160418736004	ABDUL NADEEM	30	30	30	30	20	25	25	45
5	160418736005	MOHAMMED SAMI	30	30	30	30	21	24	25	47
6	160418736006	IBRAHIM BIN ABDULLAH	29	30	30	29	21	23	22	40
7	160418736007	MD SHAHID EKRAM	30	30	30	30	23	25	25	46
8	160418736008	MOHAMMAD SHARJEELUDDIN	30	30	30	30	23	25	24	46
9	160418736009	SHAIK SHARUKH AHMED	30	30	30	30	24	24	25	43
10	160418736010	MD KALEEMULLA	30	30	30	30	22	24	25	48
11	160418736011	MD ATIF AHSAN	25	25	25	25	20	20	20	40
12	160418736012	MOHAMMED FAROOQ HUSSAIN	30	30	30	30	22	24	24	42
13	160418736013	MOHAMMED ABDULLAH TAYYAB UL BADR	30	30	30	30	24	24	25	45
14	160418736014	MD AMAN NAWAZ	30	30	30	30	23	24	25	47
15	160418736015	ANAS AHMED AZIZ	29	29	29	29	20	21	20	40
16	160418736016	MOHAMMED RAHIEL	30	30	30	30	23	24	25	47
17	160418736017	MOHAMMED ABDUR RAHMAN KHAN	29	30	30	30	20	24	24	41
18	160418736018	MOHAMMED MASHIYATH ALI	29	29	29	29	21	24	22	40
19	160418736019	SYED MUNEEB AHMED	30	30	30	30	22	24	25	44
20	160418736020	MOHAMMAD SHAAZUR REHMAN	30	30	30	30	21	24	25	40

LED Lighting

Class Room





Class Room

Stree Light

Conference Room

Stree Light

Street Light

नेशनल इन्श्योरेन्स
National Insurance
Trusted Since 1906

पॉलिसी अनुसूची/ Policy Schedule - Group Personal Accident	
Policy Number: 553100421810000205	व्यवसाय स्रोत / *Business Source: 910471*
जारीकर्ता कार्यालय/***Issuing Office*** कार्यालय कोड/ *Office Code: 553100* कार्यालय पता/ *Office Address: HYDERABAD AMEERPET DIVISION 778/6, Punjagutta, Opposite : Hyderabad Bottling Co,Ameerpet, - 500016.* ***State Code:*** 36 , Telangana ***GSTIN:*** 36AAACN9967E6ZZ *Contact Number: 40 23412418* *Mobile Number: 0*	वितरण चैनल विवरण/ ***Sales Channel Details*** कोड/ *Code: 91047100000001* नाम/ *Name: Whiz Insurance Broking Services Private Limited - HO* *Contact Number: 9848065023*

B.E.

ग्राहक का नाम/Customer Name: MUFFAKHAM JAH COLLEGE OF ENGINEERING TECHNOLOGY	ग्राहक आईडी/ Customer ID: 9510075255	पैन/ PAN: AABCD1234D
पता/ Address: (SULTAN-UL-ULOOM EDUCATION SOCIETY) P.G.STUDENTS CONSTITUENT AND AFFILIATED COLLEGES OF O.U), ROAD NO : 3, BANJARA HILLS, HYDERABAD DIST. : HYDERABAD, ANDHRA PRADESH, City: HYDERABAD, District: OLD AP - HYDERABAD, State: ANDHRA PRADESH, PIN: 500034.	फोन/ Phone: ई-मेल/ E-Mail:	

पॉलिसी: 06/03/2019 के 18:00 से 05/03/2022 की मध्य रात्रिक प्रभावी **/Policy Effective from 18:00 hours, on 06/03/2019 to midnight of 05/03/2022**

प्रीमियम /Premium	₹ 1,18,983.00	कवर नोट संख्या तथा तिथि/ Cover Note Number and Date	NA
CGST	₹ 0.00	प्रस्ताव संख्या और तिथि /Proposal Number and Date	8800190307298642 Dt. 07/03/2019
SGST/UTGST	₹ 0.00		
IGST	₹ 21,417.00		
पुनर्प्राप्त स्टाम्प शुल्क / Recoverable Stamp Duty	₹ 1.00	रसीद संख्या और तिथि/ Receipt Number and Date	553100811810004062 Dt. 06/03/2019
कुल / **Total**	₹ 1,40,400.00	पछिली पॉलिसी संख्या तथा समाप्ती तिथि/ Previous Policy Number and Expiry Date	NA

(Rupees One Lakh Forty Thousand Four Hundred Only.)

ClassCode:

LocationAddress:(SULTAN-UL-ULOOM EDUCATION SOCIETY) P.G.STUDENTS CONSTITUENT AND AFFILIATED COLLEGES OF O.U), ROAD NO : 3, BANJARA HILLS, HYDERABAD Dist. : HYDERABAD, TELANGANA,,Hyderabad,Hyderabad,Telangana,500034.

Number of Families :780 **Number of Lives covered:**780

SL. No	Coverage	Coverage Description	Sum Insured
1	Table I A	GROUP PERSONAL ACCIDENT POLICY OF MUFFAKAHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY	` 15,60,00,000.00
	Excess: AS PER THE TERMS AND CONDITIONS OF GROUP PERSONAL ACCIDENT POLICY.		
	Additional Information: NA		

Clauses	As per Annexure I

टिप्पणियां/ **Remarks:** GROUP PERSONAL ACCIDENT POLICY OF BE I/IV(2018-19) CIVIL ENGINEERING STUDENTS OF MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY.

SUM INSURED PER STUDENT Rs2,00,000/-

NO. OF STUDENTS 780 AND THE DETAILS OF STUDENTS ARE AS PER THE SCHEDULE ATTACHED HEREWITH THE POLICY.

HENCE TOTAL SUM INSURED OF 780 STUDENTS Rs.15,60,00,000/-

PREMIUM PER STUDENT for 3 Years Rs.180/- (INCLUDING GST)

TOTAL PREMIUM Rs.1,40,400/- (INCLUDING GST)

POLICY PERIOD: 06/03/2019 18:00 TO 05/03/2022 (3 YEARS)

RISK COVERED: TABLE IA

SUBJECT OTHERWISE TO THE TERMS CONDITIONS AND EXCLUSIONS OF GROUP PERSONAL ACCIDENT POLICY

नेशनल इन्श्योरेन्स कम्पनी लिमिटेड
National Insurance Company Limited
CIN No. U10200WB1906GOI001713
IRDA Regn. No. 58

कार्यालय:
Office :

पंजीकृत एवं प्रधान कार्यालय: 3 मिडिलटन स्ट्रीट, कोलकत्ता 700 071.
Registered & Head Office: 3 Middleton Street, Kolkata 700 071.
P.No: 033-22831705-06 Fax: 033-22831712
e-mail: website.administrator@nic.co.in

नेशनल इन्श्योरेन्स
National Insurance
Trusted Since 1906

पॉलसिी अनुसूची/ Policy Schedule - Group Personal Accident	
Policy Number: 553100421810000205	व्यवसाय स्तरोत / *Business Source: 910471*
जारीकर्ता कार्यालय/***Issuing Office***	वक्रिय चैनल वविरण/
कार्यालय कोड/ *Office Code: 553100*	***Sales Channel Details***
कार्यालय पता/ *Office Address: HYDERABAD AMEERPET DIVISION 778/6, Punjagutta, Opposite : Hyderabad Bottling Co,Ameerpet, - 500016.*	कोड/ *Code: 91047100000001*
State Code: 36 , Telangana	नाम/ *Name: Whiz Insurance Broking Services Private Limited - HO*
GSTIN: 36AAACN9967E6ZZ	*Contact Number: 9848065023*
Contact Number: 40 23412418	
Mobile Number: 0	

जसिकी गवाही में दनि/ माह /वर्ष को उपरोक्त उल्लेखति कार्यालय पते पर अधोहस्ताक्षरी को वधिवित अधकिृत कयिा जा रहा है उसके हाथ नरि्धारति कएि जाएं। यह अनुसूची, संलग्न पॉलसिी, खण्ड, पृष्ठांकन और पॉलसिी शब्दों, जो कंपनी वेबसाईट ***www.nationalinsuranceindia.nic.co.in*** पर उपलब्ध हैं, को एक अनुबंध के रुप में एक साथ पढ़ा जाए तथा कोई भी शब्द या अभव्यिक्त जिसिके लएि यह वशिष्टि अर्थ पॉलसिी या अनुसूची के कसिी भी हस्सिे में संलग्न कयिा गया हो, एक ही अर्थ वहन करेगा चाहे जहॉ भी उल्लेखति हो। यह आश्वासन दयिा जाता है कि प्रीमयिम चेक के अस्वीकृति के मामले में, यह दस्तावेज स्वतः प्राथमकिता नरिस्त हो जाएगी । ***/IN WITNESS WHEREOF****, the undersigned being duly authorized hereunto set his/ her hand at the office address mentioned above, this* **07/March/2019.** *This schedule, the attached policy, the clauses, the endorsements and policy wordings as available in the website* ***www.nationalinsuranceindia.nic.co.in*** *shall be read together as one contract and any word or expression to which the specific meaning has been attached in any part of this policy or of the schedule shall bear the same meaning wherever it may appear. It is warranted that* ***IN CASE OF DISHONOUR OF THE PREMIUM CHEQUE, THIS DOCUMENT STANDS AUTOMATICALLY CANCELLED 'AB-INITIO'***

कृते नेशनल इन्श्योरेन्स कंपनी लिमिटिड/ ***For and on behalf of National Insurance Company Limited***

स्टांप इयूटी
Stamp Duty:
(₹ 1.00)

इंश्योरेन्सइंडियालिमिटिड

Consolidated Stamp Duty towards Policy Stamps paid vide
Stamp Duty Rs.....

अधकिृत हस्ताक्षरकर्ता/ ***Authorized Signatory***

NATIONAL INSURANCE CO. LTD. * AMEERPET D.O. * 553100 HYD.

नेशनल इन्श्योरेन्स कम्पनी लिमिटेड
National Insurance Company Limited
CIN No. U10200WB1906GOI001713
IRDA Regn. No. 58

कार्यालय:
Office :

पंजीकृत एवं प्रधान कार्यालय: 3 मिडिल्टन स्ट्रीट, कोलकत्ता 700 071.
Registered & Head Office: 3 Middleton Street, Kolkata 700 071.
P.No: 033-22831705-06 Fax: 033-22831712
e-mail: website.administrator@nic.co.in

नेशनल इन्श्योरेन्स
National Insurance
Trusted Since 1906

/TAX INVOICE

Invoice Serial No: 30650O9P00000205 **Invoice Date:** 07/03/2019

Details of Supplier
National Insurance Company Limited.,
HYDERABAD AMEERPET DIVISION 778/6, Punjagutta, Opposite : Hyderabad Bottling Co,Ameerpet, - 500016
State : 36 , Telangana
GSTIN No : 36AAACN9967E6ZZ

Details Of Receiver : MUFFAKHAM JAH COLLEGE OF ENGINEERING TECHNOLOGY
Address : (SULTAN-UL-ULOOM EDUCATION SOCIETY) P.G.STUDENTS CONSTITUENT AND AFFILIATED COLLEGES OF O.U), ROAD NO : 3, BANJARA HILLS, HYDERABAD DIST. : HYDERABAD, ANDHRA PRADESH
City : HYDERABAD,
District: OLD AP - HYDERABAD,
State: ANDHRA PRADESH,
PIN: 500034.

Place Of Supply State : Andhra Pradesh
State Code : 37
GSTIN No : NA

SAC Code	Description of Service	Total(₹)	Discount	Taxable Value(₹)	CGST Rate	CGST Amount(₹)	SGST/UTGST Rate	SGST/UTGST Amount(₹)	IGST Rate	IGST Amount(₹)
997139	Other non-life insurance services (excluding reinsurance services)	1,18,983	0%	1,18,983	0%	0	0%	0	18%	21,417
TOTAL		1,18,983		1,18,983		0		0		21,417

Total Invoice Value (In figures) : ₹ 1,40,400
Total Invoice Value (In words) : Rupees One Lakh Fourty Thousand Four Hundred Only.
Amount of Tax Subject to Reverse Charge : No

E.&.O.E

For and on behalf of
National Insurance Company Limited.,

NATIONAL INSURANCE CO. LTD. * AMEERPET D.O. * 553100 HYD.

Authorized Signatory

नेशनल इन्श्योरेन्स कम्पनी लिमिटेड
National Insurance Company Limited
CIN No. U10200WB1906GOI001713
IRDA Regn. No. 58

कार्यालय:
Office :

पंजीकृत एवं प्रधान कार्यालय: 3 मिडिल्टन स्ट्रीट, कोलकत्ता 700 071.
Registered & Head Office: 3 Middleton Street, Kolkata 700 071.
P.No: 033-22831705-06 Fax: 033-22831712
e-mail: website.administrator@nic.co.in

नेशनल इन्श्योरेन्स
National Insurance
Trusted Since 1906

वसूली रसीद/Collection Receipt

जारीकर्ता कार्यालय कोड/Issuing Office Code : 553100
जारीकर्ता कार्यालय का नाम व पता/Name and Address of Issuing Office :
HYDERABAD AMEERPET DIVISION 778/6, Punjagutta, Opposite : Hyderabad Bottling Co,Ameerpet, - 500016
राज्य कोड/State Code : 36 ,राज्य का नाम/State Name : Telangana
जीएसटीआईएन/GSTIN : 36AAACN9967E6ZZ
संपर्क संख्या/Contact Number : 40 23412418

B.F.

रसीद सं./Receipt No :	स्क्रॉल सं. (यदि कोई हो)/Scroll No(If any) :
553100811810004076	8821190307002441
रसीद की तिथि व समय/Receipt Date & Time :	स्क्रॉल तिथि (यदि कोई हो)/Scroll Date(If any) :
07/03/2019. 20:44 hours	06/03/2019

श्री MUFFAKHAM JAH COLLEGE OF ENGINEERING TECHNOLOGY से सीडी- नकद जमा के रूप में रूपये Rs. 1,40,400.00 निम्नलिखित लेनदेन के अनुसार धन्यवाद सहित प्राप्त हुआ। उपकरण स्क्रॉल किया गया है।

Received with thanks from MUFFAKHAM JAH COLLEGE OF ENGINEERING TECHNOLOGY a sum of Rs. 1,40,400.00 (Rupees One Lakh Forty Thousand Four Hundred Only) by way of CD-Cash Deposit towards the following transactions. The instrument is scrolled.

भुगतान विवरण/Paymode Details :

भुगतान मोड का नाम/Paymode Name :	जमा खाता धारक का नाम/Deposit Account Holder Name :
CD-Cash Deposit	MUFFAKHAM JAH COLLEGE OF ENGINEERING TECHNOLOGY
संदर्भ सं./Ref No :	संदर्भ तिथि/Ref Date :
881103200802	
बैंक का नाम (यदि कोई हो)/Bank Name(If any) :	बैंक शाखा (यदि कोई हो)/Bank Branch(If any) :

आपके नकद जमा खाते में समायोजन के बाद उपलब्ध शेष रूपये

The available Balance of your Cash Deposit A/C. after adjustment is - CD a/c. 881103200802 : Balance-Rs.22380
Adjusted from Receipt No. 553100811810004062. Balance Available - Rs. 22380

क्र. सं./ S. No	विभाग/ Dept / लेन-देन कोड/ Tr Cd	पॉलिसी/ पृष्ठांकन Policy/Endorsement: वर्ष/ Year	संख्या/ Number	व्यव. श्रोत कोड/ Biz Source Code / विक्रय चैनेल/ Sales Channel	व्यव.का वर्ग/ विवरण / Class of Business/Narration / लेखा विवरण/ Account Description	राशि रू./ Amount Rs.
1	59	2019	553100421810000205	910471	Group Personal Accident	
	11			91047100000001	Direct Premium	1,18,983.00
					IGST	21,417.00
					Stamp Duty Recoverable	1.00
					Bank Charges	-1
					Total	1,40,400.00

कृते नेशनल इन्श्योरेन्स कं. लि./For National Insurance Co. Ltd,

रोकड़िया/Cashier :

प्राधिकृत हस्ताक्षरकर्ता/Authorised Signatory

चेक द्वारा भुगतान किए जाने की स्थिति में रसीद चेक द्वारा भुगतान की प्राप्ति के बाद ही जारी किया जायगा। सभी पत्राचारों में उपरोक्त वर्णित पॉलिसी जारी करनेवाले कार्यालय के पते पर दस्तावेज संख्या व पॉलिसी का वर्ष तथा संख्या उद्धृत किया जाना चाहिए। जब राशि 5000/- रूपए या उससे अधिक होगी तो राजस्व टिकट चिपकाया जाना आवश्यक होगा।

Receipt is subject to realisation of cheque when payment is made by cheque. Our document number and Date, Policy year and Number should be quoted in all correspondence with us only to the Policy issuing office address mentioned above. Revenue stamp has to be affixed when the amount is or above Rs. 5000.

NATIONAL INSURANCE CO. LTD. * AMEERPET D.O. * 553100 HYD.

नेशनल इन्श्योरेन्स कम्पनी लिमिटेड
National Insurance Company Limited
CIN No. U10200WB1906GOI001713
IRDA Regn. No. 58

कार्यालय:
Office :

पंजीकृत एवं प्रधान कार्यालय: 3 मिडिल्टन स्ट्रीट, कोलकत्ता 700 071.
Registered & Head Office: 3 Middleton Street, Kolkata 700 071.
P.No: 033-22831705-06 Fax: 033-22831712
e-mail: website.administrator@nic.co.in

नेशनल इन्श्योरेन्स
National Insurance
Trusted Since 1906

वसूली रसीद/Collection Receipt

जारीकर्ता कार्यालय कोड/Issuing Office Code : 553100
जारीकर्ता कार्यालय का नाम व पता/Name and Address of Issuing Office :
HYDERABAD AMEERPET DIVISION 778/6, Punjagutta, Opposite : Hyderabad Bottling Co,Ameerpet, - 500016
राज्य कोड/State Code : 36 ,राज्य का नाम/State Name : Telangana
जीएसटीआईएन/GSTIN : 36AAACN9967E6ZZ
संपर्क संख्या/Contact Number : 40 23412418

रसीद सं./Receipt No : 553100811810004062	स्क्रॉल सं. (यदि कोई हो)/Scroll No(If any) :
रसीद की तिथि व समय/Receipt Date & Time : 06/03/2019. 17:41 hours	स्क्रॉल तिथि (यदि कोई हो)/Scroll Date(If any) :

श्री MUFFAKHAM JAH COLLEGE OF ENGINEERING TECHNOLOGY से चेक द्वारा जमा के रूप में रूपये Rs. 1,62,780.00 निम्नलिखित लेनदेन के अनुसार धन्यवाद सहित प्राप्त हुआ।

Received with thanks from MUFFAKHAM JAH COLLEGE OF ENGINEERING TECHNOLOGY a sum of Rs. 1,62,780.00 (Rupees One Lakh Sixty Two Thousand Seven Hundred Eighty Only) by way of Cheque towards the following transactions.

B.E. + L.E. + M.E.

भुगतान विवरण/Paymode Details :

भुगतान मोड का नाम/Paymode Name : Cheque	
उपकरण संख्या/Instrument Number : 139226	उपकरण तिथि/Instrument Date : 01/03/2019
बैंक का नाम (यदि कोई हो)/Bank Name(If any) : State Bank of India	बैंक शाखा (यदि कोई हो)/Bank Branch(If any) : SBI-Hyderabad - Banjara Hills

क्र. सं./ S. No	विभाग/ Dept / लेन-देन कोड/ Tr Cd	पॉलिसी/ पृष्ठांकन Policy/Endorsement: वर्ष/ Year	संख्या/ Number	व्यव. श्रोत कोड/ Biz Source Code / विक्रय चैनेल/ Sales Channel	व्यव.का वर्ग/ विवरण / Class of Business/Narration / लेखा विवरण/ Account Description	राशि रू./ Amount Rs.
1					Deposit Collection. Cash Deposit-881103200802	1,62,780.00

कृते नेशनल इन्श्योरेन्स कं. लि./For National Insurance Co. Ltd,

रोकड़िया/Cashier :

NATIONAL INSURANCE CO. LTD. 553100 HYD. AMEERPET D.O.

प्राधिकृत हस्ताक्षरकर्ता/Authorised Signatory

चेक द्वारा भुगतान किए जाने की स्थिति में रसीद चेक द्वारा भुगतान की प्राप्ति के बाद ही जारी किया जाएगा। सभी पत्राचारों में उपरोक्त वर्णित पॉलिसी जारी करनेवाले कार्यालय के पते पर दस्तावेज संख्या व पॉलिसी का वर्ष तथा संख्या उद्धृत किया जाना चाहिए। जब राशि 5000/- रूपए या उससे अधिक होगी तो राजस्व टिकट चिपकाया जाना आवश्यक होगा।

Receipt is subject to realisation of cheque when payment is made by cheque. Our document number and Date, Policy year and Number should be quoted in all correspondence with us only to the Policy issuing office address mentioned above. Revenue stamp has to be affixed when the amount is or above Rs. 5000.

Printed on 06/03/2019 by 72086 Page No : 1

नेशनल इन्श्योरेन्स
National Insurance
Trusted Since 1906

L.E.

पॉलिसी अनुसूची/ Policy Schedule - Group Personal Accident	
Policy Number: 553100421810000206	व्यवसाय स्रोत / *Business Source: 910471*
जारीकर्ता कार्यालय/***Issuing Office*** कार्यालय कोड/ *Office Code: 553100* कार्यालय पता/ *Office Address: HYDERABAD AMEERPET DIVISION 778/6, Punjagutta, Opposite : Hyderabad Bottling Co,Ameerpet, - 500016.* ***State Code:*** 36 , Telangana ***GSTIN:*** 36AAACN9967E6ZZ *Contact Number: 40 23412418* *Mobile Number: 0*	वक्रिय चैनल विवरण/ ***Sales Channel Details*** कोड/ *Code: 91047100000001* नाम/ *Name: Whiz Insurance Broking Services Private Limited - HO* *Contact Number: 9848065023*

ग्राहक का नाम/Customer Name: MUFFAKHAM JAH COLLEGE OF ENGINEERING TECHNOLOGY	ग्राहक आईडी/ Customer ID: 9510075255	पैन/ PAN: AABCD1234D
पता/ Address: (SULTAN-UL-ULOOM EDUCATION SOCIETY) P.G.STUDENTS CONSTITUENT AND AFFILIATED COLLEGES OF O.U), ROAD NO : 3, BANJARA HILLS, HYDERABAD DIST. : HYDERABAD, ANDHRA PRADESH, City: HYDERABAD, District: OLD AP - HYDERABAD, State: ANDHRA PRADESH, PIN: 500034.	फोन/ Phone: ई-मेल/ E-Mail:	

पॉलिसी: 06/03/2019 के 18:00 से 05/03/2021 की मध्य रात्रि तक प्रभावी **/Policy Effective from 18:00 hours, on 06/03/2019 to midnight of 05/03/2021**

प्रीमियम /Premium	₹ 14,034.00	कवर नोट संख्या तथा तिथि/ Cover Note Number and Date	NA
CGST	₹ 0.00	प्रस्ताव संख्या और तिथि/Proposal Number and Date	8800190307298661 Dt. 07/03/2019
SGST/UTGST	₹ 0.00		
IGST	₹ 2,526.00		
पुनर्प्राप्त स्टाम्प शुल्क / Recoverable Stamp Duty	₹ 1.00	रसीद संख्या और तिथि/ Receipt Number and Date	553100811810004062 Dt. 06/03/2019
कुल / **Total**	₹ 16,560.00	पिछली पॉलिसी संख्या तथा समाप्ती तिथि/ Previous Policy Number and Expiry Date	NA

(Rupees Sixteen Thousand Five Hundred Sixty Only.)

ClassCode:

LocationAddress:(SULTAN-UL-ULOOM EDUCATION SOCIETY) P.G.STUDENTS CONSTITUENT AND AFFILIATED COLLEGES OF O.U), ROAD NO : 3, BANJARA HILLS, HYDERABAD Dist. : HYDERABAD, TELANGANA,,Hyderabad,Hyderabad,Telangana,500034.

Number of Families :138 **Number of Lives covered:**138

SL. No	Coverage	Coverage Description	Sum Insured
1	Table I A	GROUP PERSONAL ACCIDENT POLICY OF MUFFAKAHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY	` 2,76,00,000.00
	Excess: AS PER THE TERMS AND CONDITIONS OF GROUP PERSONAL ACCIDENT POLICY.		
	Additional Information: NA		

Clauses	As per Annexure I

टिप्पणियां/ **Remarks:** GROUP PERSONAL ACCIDENT POLICY OF BE(LE) II/IV(2018-19)-CIVIL ENGINEERING COURSE STUDENTS OF MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY.

SUM INSURED PER STUDENT Rs2,00,000/-

NO. OF STUDENTS 138 AND THE DETAILS OF STUDENTS ARE AS PER THE SCHEDULE ATTACHED HEREWITH THE POLICY.

HENCE TOTAL SUM INSURED OF 138 STUDENTS Rs.2,76,00,000/-

PREMIUM PER STUDENT for 2 Years Rs.120/- (INCLUDING GST)

TOTAL PREMIUM Rs.16,560/- (INCLUDING GST)

POLICY PERIOD: 06/03/2019 18:00 TO 05/03/2021 (2 YEARS)

RISK COVERED: TABLE IA

SUBJECT OTHERWISE TO THE TERMS CONDITIONS AND EXCLUSIONS OF GROUP PERSONAL ACCIDENT POLICY

नेशनल इन्श्योरेन्स कम्पनी लिमिटेड
National Insurance Company Limited
CIN No. U10200WB1906GOI001713
IRDA Regn. No. 58

कार्यालय:
Office :

पंजीकृत एवं प्रधान कार्यालय: 3 मिडिल्टन स्ट्रीट, कोलकत्ता 700 071.
Registered & Head Office: 3 Middleton Street, Kolkata 700 071.
P.No: 033-2283 7105-06 Fax: 033-22831712
e-mail: website.administrator@nic.co.in

नेशनल इन्श्योरेन्स
National Insurance
Trusted Since 1906

पॉलिसी अनुसूची/ Policy Schedule - Group Personal Accident	
Policy Number: 553100421810000206	व्यवसाय स्त्रोत / Business Source: 910471
जारीकर्ता कार्यालय/**Issuing Office** कार्यालय कोड/ Office Code: 553100 कार्यालय पता/ Office Address: HYDERABAD AMEERPET DIVISION 778/6, Punjagutta, Opposite : Hyderabad Bottling Co,Ameerpet, - 500016. **State Code:** 36 , Telangana **GSTIN**: 36AAACN9967E6ZZ Contact Number: 40 23412418 Mobile Number: 0	विक्रय चैनल विवरण/ **Sales Channel Details** कोड/ Code: 91047100000001 नाम/ Name: Whiz Insurance Broking Services Private Limited - HO Contact Number: 9848065023

जिसकी गवाही में दिन/ माह /वर्ष को उपरोक्त उल्लेखित कार्यालय पते पर अधोहस्ताक्षरी को विधिवत अधिकृत किया जा रहा है उसके हाथ निर्धारित किए जाएं। यह अनुसूची, संलग्न पॉलिसी, खण्ड, पृष्ठांकन और पॉलिसी शब्दों, जो कंपनी वेबसाईट **www.nationalinsuranceindia.nic.co.in** पर उपलब्ध है, को एक अनुबंध के रुप में एक साथ पढ़ा जाए तथा कोई भी शब्द या अभिव्यक्ति जिसके लिए यह विशिष्ट अर्थ पॉलिसी या अनुसूची के किसी भी हिस्से में संलग्न किया गया हो, एक ही अर्थ वहन करेगा चाहे जहाँ भी उल्लेखित हो। यह आश्वासन दिया जाता है कि प्रीमियम चेक के अस्वीकृति के मामले में, यह दस्तावेज स्वतः प्राथमिकता निरस्त हो जाएगी । ***/IN WITNESS WHEREOF**, the undersigned being duly authorized hereunto set his/ her hand at the office address mentioned above, this* **07/March/2019.** *This schedule, the attached policy, the clauses, the endorsements and policy wordings as available in the website* ***www.nationalinsuranceindia.nic.co.in*** *shall be read together as one contract and any word or expression to which the specific meaning has been attached in any part of this policy or of the schedule shall bear the same meaning wherever it may appear. It is warranted that* ***IN CASE OF DISHONOUR OF THE PREMIUM CHEQUE, THIS DOCUMENT STANDS AUTOMATICALLY CANCELLED 'AB-INITIO'***

इंश्योरेन्सइंडियालिमिटिड

स्टांप ड्यूटी
Stamp Duty:
(₹ 1.00)

कृते नेशनल इन्श्योरेन्स कंपनी लिमिटिड/ ***For and on behalf of National Insurance Company Limited***

अधिकृत हस्तात्क्षरकर्ता/ ***Authorized Signatory***

Consolidated Stamp Duty towards Policy Insurance Stamps paid vide C&IG Order
Stamp Duty Rs.....

NATIONAL INSURANCE CO. LTD. * AMEERPET D.O. * 553100 HYD.

नेशनल इन्श्योरेन्स कम्पनी लिमिटेड
National Insurance Company Limited
CIN No. U10200WB1906GOI001713
IRDA Regn. No. 58

कार्यालय:
Office :

पंजीकृत एवं प्रधान कार्यालय: 3 मिडिल्टन स्ट्रीट, कोलकत्ता 700 071.
Registered & Head Office: 3 Middleton Street, Kolkata 700 071.
P.No: 033-22831705-06 Fax: 033-22831712
e-mail: website.administrator@nic.co.in

नेशनल इन्श्योरेन्स
National Insurance
Trusted Since 1906

/TAX INVOICE

Invoice Serial No: 30650O9P00000206 **Invoice Date:** 07/03/2019

Details of Supplier
National Insurance Company Limited.,
HYDERABAD AMEERPET DIVISION 778/6, Punjagutta, Opposite : Hyderabad Bottling Co,Ameerpet, - 500016
State : 36 , Telangana
GSTIN No : 36AAACN9967E6ZZ

Details Of Receiver : MUFFAKHAM JAH COLLEGE OF ENGINEERING TECHNOLOGY
Address : (SULTAN-UL-ULOOM EDUCATION SOCIETY) P.G.STUDENTS CONSTITUENT AND AFFILIATED COLLEGES OF O.U), ROAD NO : 3, BANJARA HILLS, HYDERABAD DIST. : HYDERABAD, ANDHRA PRADESH
City : HYDERABAD,
District: OLD AP - HYDERABAD,
State: ANDHRA PRADESH,
PIN: 500034.

Place Of Supply State : Andhra Pradesh
State Code : 37
GSTIN No : NA

SAC Code	Description of Service	Total(₹)	Discount	Taxable Value(₹)	CGST Rate	CGST Amount(₹)	SGST/UTGST Rate	SGST/UTGST Amount(₹)	IGST Rate	IGST Amount(₹)
997139	Other non-life insurance services (excluding reinsurance services)	14,034	0%	14,034	0%	0	0%	0	18%	2,526
TOTAL		14,034		14,034		0		0		2,526

Total Invoice Value (In figures) : ₹ 16,560
Total Invoice Value (In words) : Rupees Sixteen Thousand Five Hundred Sixty Only.
Amount of Tax Subject to Reverse Charge : No

E.&.O.E

For and on behalf of
National Insurance Company Limited.,

NATIONAL INSURANCE CO. LTD. * 553100 HYD. * AMEERPET D.O.

Authorized Signatory

नेशनल इन्श्योरेन्स कम्पनी लिमिटेड
National Insurance Company Limited
CIN No. U10200WB1906GOI001713
IRDA Regn. No. 58

कार्यालय:
Office :

पंजीकृत एवं प्रधान कार्यालय: 3 मिडिल्टन स्ट्रीट, कोलकत्ता 700 071.
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नेशनल इन्श्योरेन्स
National Insurance
Trusted Since 1906

वसूली रसीद/Collection Receipt

जारीकर्ता कार्यालय कोड/Issuing Office Code : 553100
जारीकर्ता कार्यालय का नाम व पता/Name and Address of Issuing Office :
HYDERABAD AMEERPET DIVISION 778/6, Punjagutta, Opposite : Hyderabad Bottling Co,Ameerpet, - 500016
राज्य कोड/State Code : 36 ,राज्य का नाम/State Name : Telangana
जीएसटीआईएन/GSTIN : 36AAACN9967E6ZZ
संपर्क संख्या/Contact Number : 40 23412418

L.E.

रसीद सं./Receipt No :	स्क्रॉल सं. (यदि कोई हो)/Scroll No(If any) :
553100811810004077	8821190307002449
रसीद की तिथि व समय/Receipt Date & Time :	स्क्रॉल तिथि (यदि कोई हो)/Scroll Date(If any) :
07/03/2019, 20:52 hours	06/03/2019

श्री MUFFAKHAM JAH COLLEGE OF ENGINEERING TECHNOLOGY से सीडी- नकद जमा के रूप में रूपये Rs. 16,560.00 निम्नलिखित लेनदेन के अनुसार धन्यवाद सहित प्राप्त हुआ। उपकरण स्क्रॉल किया गया है।

Received with thanks from MUFFAKHAM JAH COLLEGE OF ENGINEERING TECHNOLOGY a sum of Rs. 16,560.00 (Rupees Sixteen Thousand Five Hundred Sixty Only) by way of CD-Cash Deposit towards the following transactions. The instrument is scrolled.

भुगतान विवरण/Paymode Details :

भुगतान मोड का नाम/Paymode Name :	जमा खाता धारक का नाम/Deposit Account Holder Name :
CD-Cash Deposit	MUFFAKHAM JAH COLLEGE OF ENGINEERING TECHNOLOGY
संदर्भ सं./Ref No :	संदर्भ तिथि/Ref Date :
881103200802	
बैंक का नाम (यदि कोई हो)/Bank Name(If any) :	बैंक शाखा (यदि कोई हो)/Bank Branch(If any) :

आपके नकद जमा खाते में समायोजन के बाद उपलब्ध शेष रूपये

The available Balance of your Cash Deposit A/C. after adjustment is - CD a/c. 881103200802 : Balance-Rs.5820
Adjusted from Receipt No. 553100811810004062. Balance Available - Rs. 5820

क्र. सं./ S. No	विभाग/ Dept	पॉलिसी/ पृष्ठांकन Policy/Endorsement		व्यव. श्रोत कोड/ Biz Source Code	व्यव.का वर्ग/ विवरण / Class of Business/Narration	राशि रू./ Amount Rs.
	लेन-देन कोड/ Tr Cd	वर्ष/ Year	संख्या/ Number	विक्रय चैनेल/ Sales Channel	लेखा विवरण/ Account Description	
1	59	2019	553100421810000206	910471	Group Personal Accident	
	11			91047100000001	Direct Premium	14,034.00
					IGST	2,526.00
					Stamp Duty Recoverable	1.00
					Bank Charges	-1
					Total	16,560.00

कृते नेशनल इन्श्योरेन्स कं. लि./For National Insurance Co. Ltd,

रोकड़िया/Cashier :

प्राधिकृत हस्ताक्षरकर्ता/Authorised Signatory

चेक द्वारा भुगतान किए जाने की स्थिति में रसीद चेक द्वारा भुगतान की प्राप्ति के बाद ही जारी किया जाएगा। सभी पत्राचारों में उपरोक्त वर्णित पॉलिसी जारी करनेवाले कार्यालय के पते पर दस्तावेज संख्या व पॉलिसी का वर्ष तथा संख्या उद्धृत किया जाना चाहिए। जब राशि 5000/- रूपए या उससे अधिक होगी तो राजस्व टिकट चिपकाया जाना आवश्यक होगा।

Receipt is subject to realisation of cheque when payment is made by cheque. Our document number and Date, Policy year and Number should be quoted in all correspondence with us only to the Policy issuing office address mentioned above. Revenue stamp has to be affixed when the amount is or above Rs. 5000.

नेशनल इन्श्योरेन्स कम्पनी लिमिटेड
National Insurance Company Limited
CIN No. U10200WB1906GOI001713
IRDA Regn. No. 58

कार्यालय:
Office :

पंजीकृत एवं प्रधान कार्यालय: 3 मिडिल्टन स्ट्रीट, कोलकत्ता 700 071.
Registered & Head Office: 3 Middleton Street, Kolkata 700 071.
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e-mail: website.administrator@nic.co.in

नेशनल इन्श्योरेन्स
National Insurance
Trusted Since 1906

M. E.

पॉलिसी अनुसूची/ Policy Schedule - Group Personal Accident	
Policy Number: 553100421810000207	व्यवसाय सूत्रोत / *Business Source: 910471*
जारीकर्ता कार्यालय/***Issuing Office***	विक्रिय चैनल विवरण/
कार्यालय कोड/ *Office Code: 553100*	***Sales Channel Details***
कार्यालय पता/ *Office Address: HYDERABAD AMEERPET DIVISION 778/6, Punjagutta, Opposite : Hyderabad Bottling Co,Ameerpet, - 500016.*	कोड/ *Code: 91047100000001*
State Code: 36 , Telangana	नाम/ *Name: Whiz Insurance Broking Services Private Limited - HO*
GSTIN: 36AAACN9967E6ZZ	*Contact Number: 9848065023*
Contact Number: 40 23412418	
Mobile Number: 0	

ग्राहक का नाम/Customer Name: MUFFAKHAM JAH COLLEGE OF ENGINEERING TECHNOLOGY	ग्राहक आईडी/ Customer ID: 9510075255	पैन/ PAN: AABCD1234D
पता/ Address: (SULTAN-UL-ULOOM EDUCATION SOCIETY) P.G.STUDENTS CONSTITUENT AND AFFILIATED COLLEGES OF O.U), ROAD NO : 3, BANJARA HILLS, HYDERABAD DIST. : HYDERABAD, ANDHRA PRADESH, City: HYDERABAD, District: OLD AP - HYDERABAD, State: ANDHRA PRADESH, PIN: 500034.	फोन/ Phone:	
	ई-मेल/ E-Mail:	

पॉलिसी: 06/03/2019 के 18:00 से 05/03/2020 की मध्य रात्रि तक प्रभावी /**Policy Effective from 18:00 hours, on 06/03/2019 to midnight of 05/03/2020**

प्रीमियम /Premium	₹ 4,932.00	कवर नोट संख्या तथा तिथि/Cover Note Number and Date	NA
CGST	₹ 0.00	प्रस्ताव संख्या और तिथि/Proposal Number and Date	8800190307298667 Dt. 07/03/2019
SGST/UTGST	₹ 0.00		
IGST	₹ 888.00		
पुनर्प्राप्त स्टाम्प शुल्क / Recoverable Stamp Duty	₹ 1.00	रसीद संख्या और तिथि/ Receipt Number and Date	553100811810004062 Dt. 06/03/2019
कुल / **Total**	₹ 5,820.00	पछिली पॉलिसी संख्या तथा समाप्ती तिथि/Previous Policy Number and Expiry Date	NA
(Rupees Five Thousand Eight Hundred Twenty Only.)			

ClassCode:
LocationAddress:(SULTAN-UL-ULOOM EDUCATION SOCIETY) P.G.STUDENTS CONSTITUENT AND AFFILIATED COLLEGES OF O.U), ROAD NO : 3, BANJARA HILLS, HYDERABAD Dist. : HYDERABAD, TELANGANA,,Hyderabad,Hyderabad,Telangana,500034.
Number of Families :97 **Number of Lives covered:**97

SL. No	Coverage	Coverage Description	Sum Insured
1	Table I A	GROUP PERSONAL ACCIDENT POLICY OF MUFFAKAHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY	` 1,94,00,000.00
	Excess: AS PER THE TERMS AND CONDITIONS OF GROUP PERSONAL ACCIDENT POLICY.		
	Additional Information: NA		

Clauses	As per Annexure I

टिप्पणियां/ **Remarks:** GROUP PERSONAL ACCIDENT POLICY OF ME I/II(2018-19)-CIVIL STRUCTURAL ENGINEERING COURSE STUDENTS OF MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY.

SUM INSURED PER STUDENT Rs2,00,000/-

NO. OF STUDENTS 97 AND THE DETAILS OF STUDENTS ARE AS PER THE SCHEDULE ATTACHED HEREWITH THE POLICY.

HENCE TOTAL SUM INSURED OF 97 STUDENTS Rs.1,94,00,000/-

PREMIUM PER STUDENT for 1 Year Rs.60/- (INCLUDING GST)

TOTAL PREMIUM Rs.5,820/- (INCLUDING GST)

POLICY PERIOD: 06/03/2019 18:00 TO 05/03/2020 (1 YEAR)

RISK COVERED: TABLE IA

SUBJECT OTHERWISE TO THE TERMS CONDITIONS AND EXCLUSIONS OF GROUP PERSONAL ACCIDENT POLICY

NATIONAL INSURANCE CO. LTD. 553100 HYD. AMEERPET

नेशनल इन्श्योरेन्स कम्पनी लिमिटेड
National Insurance Company Limited
CIN No. U10200WB1906GOI001713
IRDA Regn. No. 58

कार्यालय:
Office :

पंजीकृत एवं प्रधान कार्यालय: 3 मिडिल्टन स्ट्रीट, कोलकत्ता 700 071.
Registered & Head Office: 3 Middleton Street, Kolkata 700 071.
P.No: 033-22831705-06 Fax: 033-22831712
e-mail: website.administrator@nic.co.in

नेशनल इन्श्योरेन्स
National Insurance
Trusted Since 1906

पॉलसी अनुसूची/ Policy Schedule - Group Personal Accident	
Policy Number: 553100421810000207	व्यवसाय स्तरोत / *Business Source: 910471*
जारीकर्ता कार्यालय/**Issuing Office** कार्यालय कोड/ *Office Code: 553100* कार्यालय पता/ *Office Address: HYDERABAD AMEERPET DIVISION 778/6, Punjagutta, Opposite : Hyderabad Bottling Co,Ameerpet, - 500016.* ***State Code:*** 36 , Telangana ***GSTIN***: 36AAACN9967E6ZZ *Contact Number: 40 23412418* *Mobile Number: 0*	वितरण चैनल विवरण/ ***Sales Channel Details*** कोड/ *Code: 91047100000001* नाम/ *Name: Whiz Insurance Broking Services Private Limited - HO* *Contact Number: 9848065023*

जिसकी गवाही में दिनि/ माह /वर्ष को उपरोक्त उल्लेखित कार्यालय पते पर अधोहस्ताक्षरी को विधिवित अधिकृत किया जा रहा है उसके हाथ निर्धारित किए जाएं। यह अनुसूची, संलग्न पॉलिसी, खण्ड, पृष्ठांकन और पॉलिसी शब्दों, जो कंपनी वेबसाईट ***www.nationalinsuranceindia.nic.co.in*** पर उपलब्ध है, को एक अनुबंध के रुप में एक साथ पढा जाए तथा कोई भी शब्द या अभिव्यक्ति जिसके लिए यह विशिष्ट अर्थ पॉलिसी या अनुसूची के किसी भी हिस्से में संलग्न किया गया हो, एक ही अर्थ वहन करेगा चाहे जहाँ भी उल्लेखित हो। यह आश्वासन दिया जाता है कि प्रीमियम चेक के अस्वीकृति के मामले में, यह दस्तावेज स्वतः प्राथमिकता निरिस्त हो जाएगी। ***/IN WITNESS WHEREOF****, the undersigned being duly authorized hereunto set his/ her hand at the office address mentioned above, this* **07/March/2019.** *This schedule, the attached policy, the clauses, the endorsements and policy wordings as available in the website* ***www.nationalinsuranceindia.nic.co.in*** *shall be read together as one contract and any word or expression to which the specific meaning has been attached in any part of this policy or of the schedule shall bear the same meaning wherever it may appear. It is warranted that* ***IN CASE OF DISHONOUR OF THE PREMIUM CHEQUE, THIS DOCUMENT STANDS AUTOMATICALLY CANCELLED 'AB-INITIO'***

कृते नेशनल इन्श्योरेन्स कंपनी लिमिटेड/ ***For and on behalf of National Insurance Company Limited***

इंश्योरेन्सइंडियालिमिटेड

स्टांप ड्यूटी Stamp Duty: (₹ 1.00)

Consolidated Stamp Duty towards Policy Insurance Stamps paid vide C&IG Order

Stamp Duty Rs.....

अधिकृत हस्ताक्षरकर्ता/ ***Authorized Signatory***

NATIONAL INSURANCE CO. LTD. 553100 HYD. AMEERPET D.O.

नेशनल इन्श्योरेन्स कम्पनी लिमिटेड
National Insurance Company Limited
CIN No. U10200WB1906GOI001713
IRDA Regn. No. 58

कार्यालय:
Office :

पंजीकृत एवं प्रधान कार्यालय: 3 मिडिल्टन स्ट्रीट, कोलकत्ता 700 071.
Registered & Head Office: 3 Middleton Street, Kolkata 700 071.
P.No: 033-22831705-06 Fax: 033-22831712
e-mail: website.administrator@nic.co.in

/TAX INVOICE

नेशनल इन्श्योरेन्स
National Insurance
Trusted Since 1906

Invoice Serial No: 30650O9P00000207 **Invoice Date:** 07/03/2019

Details of Supplier:
National Insurance Company Limited.,
HYDERABAD AMEERPET DIVISION 778/6, Punjagutta, Opposite : Hyderabad Bottling Co,Ameerpet, - 500016
State : 36 , Telangana
GSTIN No : 36AAACN9967E6ZZ

Details Of Receiver : MUFFAKHAM JAH COLLEGE OF ENGINEERING TECHNOLOGY
Address : (SULTAN-UL-ULOOM EDUCATION SOCIETY) P.G.STUDENTS CONSTITUENT AND AFFILIATED COLLEGES OF O.U), ROAD NO : 3, BANJARA HILLS, HYDERABAD DIST. : HYDERABAD, ANDHRA PRADESH
City : HYDERABAD,
District: OLD AP - HYDERABAD,
State: ANDHRA PRADESH,
PIN: 500034.

Place Of Supply State : Andhra Pradesh
State Code : 37
GSTIN No : NA

SAC Code	Description of Service	Total(₹)	Discount	Taxable Value(₹)	CGST Rate	CGST Amount(₹)	SGST/UTGST Rate	SGST/UTGST Amount(₹)	IGST Rate	IGST Amount(₹)
997139	Other non-life insurance services (excluding reinsurance services)	4,932	0%	4,932	0%	0	0%	0	18%	888
TOTAL		4,932		4,932		0		0		888

Total Invoice Value (In figures) : ₹ 5,820
Total Invoice Value (In words) : Rupees Five Thousand Eight Hundred Twenty Only.
Amount of Tax Subject to Reverse Charge : No

E.&.O.E

For and on behalf of
National Insurance Company Limited.,

NATIONAL INSURANCE CO. LTD. 553100 HYD. AMEERPET D.O.

Authorized Signatory

नेशनल इन्श्योरेन्स कम्पनी लिमिटेड
National Insurance Company Limited
CIN No. U10200WB1906GOI001713
IRDA Regn. No. 58

कार्यालय:
Office :

पंजीकृत एवं प्रधान कार्यालय: 3 मिडिल्टन स्ट्रीट, कोलकत्ता 700 071.
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e-mail: website.administrator@nic.co.in

For any information please contact the Policy Issuing Office or visit our website at **www.nationalinsuranceindia.com**

वसूली रसीद/Collection Receipt

नेशनल इन्श्योरेन्स
National Insurance
Trusted Since 1906

जारीकर्ता कार्यालय कोड/Issuing Office Code : 553100
जारीकर्ता कार्यालय का नाम व पता/Name and Address of Issuing Office :
HYDERABAD AMEERPET DIVISION 778/6, Punjagutta, Opposite : Hyderabad Bottling Co,Ameerpet, - 500016
राज्य कोड/State Code : 36 ,राज्य का नाम/State Name : Telangana
जीएसटीआईएन/GSTIN : 36AAACN9967E6ZZ
संपर्क संख्या/Contact Number : 40 23412418

JM·E·

रसीद सं./Receipt No :	स्क्रॉल सं. (यदि कोई हो)/Scroll No(If any) :
553100811810004078	8821190307002451
रसीद की तिथि व समय/Receipt Date & Time :	स्क्रॉल तिथि (यदि कोई हो)/Scroll Date(If any) :
07/03/2019. 20:54 hours	06/03/2019

श्री MUFFAKHAM JAH COLLEGE OF ENGINEERING TECHNOLOGY से सीडी- नकद जमा के रूप में रूपये Rs. 5,820.00 निम्नलिखित लेनदेन के अनुसार धन्यवाद सहित प्राप्त हुआ। उपकरण स्क्रॉल किया गया है।

Received with thanks from MUFFAKHAM JAH COLLEGE OF ENGINEERING TECHNOLOGY a sum of Rs. 5,820.00 (Rupees Five Thousand Eight Hundred Twenty Only) by way of CD-Cash Deposit towards the following transactions. The instrument is scrolled.

भुगतान विवरण/Paymode Details :

भुगतान मोड का नाम/Paymode Name :	जमा खाता धारक का नाम/Deposit Account Holder Name :
CD-Cash Deposit	MUFFAKHAM JAH COLLEGE OF ENGINEERING TECHNOLOGY
संदर्भ सं./Ref No :	संदर्भ तिथि/Ref Date :
881103200802	
बैंक का नाम (यदि कोई हो)/Bank Name(If any) :	बैंक शाखा (यदि कोई हो)/Bank Branch(If any) :

आपके नकद जमा खाते में समायोजन के बाद उपलब्ध शेष रूपये

The available Balance of your Cash Deposit A/C. after adjustment is - CD a/c. 881103200802 : Balance-Rs.0
Adjusted from Receipt No. 553100811810004062. Balance Available - Rs. 0

क्र. सं./ S. No	विभाग/ Dept	पॉलिसी/ पृष्ठांकन Policy/Endorsement		व्यव. श्रोत कोड/ Biz Source Code	व्यव.का वर्ग/ विवरण / Class of Business/Narration	राशि रू./ Amount Rs.
	लेन-देन कोड/ Tr Cd	वर्ष/ Year	संख्या/ Number	विक्रय चैनेल/ Sales Channel	लेखा विवरण/ Account Description	
1	59	2019	553100421810000207	910471	Group Personal Accident	
	11			91047100000001	Direct Premium	4,932.00
					IGST	888.00
					Stamp Duty Recoverable	1.00
					Bank Charges	-1
					Total	5,820.00

कृते नेशनल इन्श्योरेन्स कं. लि./For National Insurance Co. Ltd,

रोकड़िया/Cashier :

NATIONAL INSURANCE CO. LTD. 553100 HYD. AMEERPET D.O.

प्राधिकृत हस्ताक्षरकर्ता/Authorised Signatory

चेक द्वारा भुगतान किए जाने की स्थिति में रसीद चेक द्वारा भुगतान की प्राप्ति के बाद ही जारी किया जाएगा। सभी पत्राचारों में उपरोक्त वर्णित पॉलिसी जारी करनेवाले कार्यालय के पते पर दस्तावेज संख्या व पॉलिसी का वर्ष तथा संख्या उद्धृत किया जाना चाहिए। जब राशि 5000/- रूपए या उससे अधिक होगी तो राजस्व टिकट चिपकाया जाना आवश्यक होगा।

Receipt is subject to realisation of cheque when payment is made by cheque. Our document number and Date, Policy year and Number should be quoted in all correspondence with us only to the Policy issuing office address mentioned above. Revenue stamp has to be affixed when the amount is or above Rs. 5000.

NATIONAL INSURANCE CO. LTD. 553100 HYD. AMEERPET O.O.

नेशनल इन्श्योरेन्स कम्पनी लिमिटेड
National Insurance Company Limited
CIN No. U10200WB1906GOI001713
IRDA Regn. No. 58

कार्यालयः
Office :

पंजीकृत एवं प्रधान कार्यालयः 3 मिडिल्टन स्ट्रीट, कोलकत्ता 700 071.
Registered & Head Office: 3 Middleton Street, Kolkata 700 071.
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e-mail: website.administrator@nic.co.in

DIVYANGJAN FACILITIES

PROVISION OF RAMP CUM RAIL AT BLOCK 1 ENTRANCE

PROVISION OF RAMP AT BLOCK 4 ENTRANCE

PROVISION OF RAMP AT AUDITORIUM ENTRANCE

PROVISION OF RAMP AT BLOCK 2 ENTRANCE

PROVISION OF LIFT TO CARRY WHEEL CHAIR

PROVISION OF WC FOR DIFFERENTLY ABLED PEOPLE

PROVISION OF WC FOR DIFFERENTLY ABLED PEOPLE

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