

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	HS 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			Open Elective – II		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	PE 721 EC	Mobile and Cellular Communications	1	OE 771 CE	Green Building Technologies
2	PE 722 EC	Speech Signal Processing	2	OE 772 CS	Data Science Using R Programming
3	PE 723 EC	Electronic Measurements and Instrumentation	3	OE 773 EC**	Fundamentals of IoT
4	PE 724 EC	Digital Signal Processor Architectures	4	OE 774 EE	Non-Conventional Energy Sources
			5	OE 775 ME	Entrepreneurship
Open Elective – III			PC: Professional Course PE: Professional Elective L: Lectures T: Tutorials P: Practical D: Drawing CIE: Continuous Internal Evaluation SEE: Semester End Examination (Univ. Exam)		
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			

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.

PRINCIPAL
Muffakham Jah College Of
Engineering & Technology,
Banjara Hills, Road No.3,
HYDERABAD - 500 034. A.P

Course Code	Course Title					Core /Elective	
MC871EG	HUMAN VALUES AND PROFESSIONAL ETHICS					Mandatory Course	
Prerequisite	Contact Hours per Week				CI E	SEE	Credits
	L	T	D	P			
-	3	-	-	-	30	70	0

Course Objectives:

- To develop a critical ability to distinguish between essence and form, or between what is of value and what is superficial, to life.
- To move from discrimination to commitment. It is to create an ability to act on any discrimination in a given situation.
- It encourages students to discover what they consider valuable. After learning the course, they should be able to discriminate between valuable and the superficial in real situations in their life.

Course Outcomes:

- It ensures students sustained happiness through identifying the essentials of human values and skills.
- It facilitates a correct understanding between profession and happiness
- It helps students understand practically the importance of trust, mutually satisfying human behavior and enriching interaction with nature.
- Ability to develop appropriate technologies and management patterns to create harmony in professional and personal life.

UNIT - I

Course Introduction - Need, basic Guidelines, Content and Process for Value Education: Understanding the need, basic guidelines, content and process for Value Education. Self-Exploration - what is it? - its content and process; 'Natural Acceptance' and Experiential Validation - as the mechanism for self-exploration. Continuous Happiness and Prosperity - A look at basic Human Aspirations. Right understanding, Relationship and Physical Facilities - the basic requirements for fulfillment of aspirations of every human being with their correct priority. Understanding Happiness and Prosperity correctly - A critical appraisal of the current scenario. Method to fulfill the above human aspirations: understanding and living in harmony at various levels.



PRINCIPAL

Muffakham Jah College Of
Engineering & Technology,
Banjara Hills, Road No.3,
HYDERABAD - 500 034. A.P

UNIT - II

Understanding Harmony in the Human Being - Harmony in Myself! : Understanding human being as a co-existence of the sentient 'I' and the material 'Body'. Understanding the needs of Self ('I') and 'Body' - Sukh and Suvidha. Understanding the Body as an instrument of 'I' (I being the doer, seer and enjoyer). Understanding the harmony of I with the Body: Sanyam and Swasthya; correct appraisal of Physical needs, meaning of Prosperity in detail. Programs to ensure Sanyam and Swasthya.

UNIT - III

Understanding Harmony in the Family and Society - Harmony in Human - Human Relationship: Understanding harmony in the Family the basic unit of human interaction. Understanding values in human - human relationship; meaning of justice and program for its fulfillment; Trust and Respect as the foundational values of relationship. Difference between intention and competence. Difference between respect and differentiation; the other salient values in relationship. Understanding the harmony in the society (society being an extension of family)

UNIT - IV

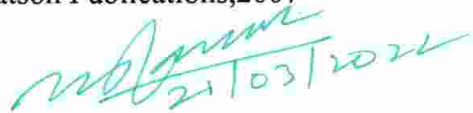
Understanding Harmony in the nature and Existence - Whole existence as Coexistence: Understanding the harmony in the Nature. Interconnectedness and mutual fulfillment among the four orders of nature - recyclability and self-regulation in nature. Understanding Existence as Co-existence of mutually interacting units in all-pervasive space. Holistic perception of harmony at all levels of existence.

UNIT - V

Implications of the above Holistic Understanding of Harmony on Professional Ethics: Natural acceptance of human values, Definitiveness of Ethical Human Conduct, Basic for Humanistic Education, Humanistic Constitution and Humanistic Universal Order.

Suggested Readings:

1. R. R. Gaur, R Sangal, G P Bagaria, 2009, A Foundation Course in Human Values and Professional Ethics.
2. Prof. K. V. Subba Raju, 2013, Success Secrets for Engineering Students, SmartStudent Publications, 3rd Edition. Ivan Illich, 1974, Energy & Equity, The Trinity Press, Worcester, and HarperCollins, USA
3. E. F. Schumaner, 1973, Small is Beautiful: a study of economics as if people mattered. Blond & Briggs, Britain.
4. A Nagraj, 1998 Jeevan Vidya ek Parichay, Divya Path Sansthan, Amarkantak. Sussan George, 1976, How the Other Half Dies, Penguin Press, Reprinted 1986
5. Smriti Shrivastava, "Human Values and Professional Ethics", Katson Publications, 2007


PRINCIPAL
Muffakham Jah College Of
Engineering & Technology,
Banjara Hills, Road No.3,
HYDERABAD - 500 034. A.P



Muffakham Jah College of Engineering and Technology

Department of Electronics and Communication

CLASS TIME TABLE (W.E.F: 07 -09-2020)

Academic Year: 2020 – 2021

B.E. IV Year VII Semester (CBCS) SEC-A

Room No.: 5406

DAY/TIME	1	2	3	4		5	6	7 (Post Session)
	9:00-10:00	10:00-11:00	11:00-12:00	12:00-1:00		1:45-2:45	2:45-3:45	3:45-4:45
DAY 1	PC 702 EC	PE771 EC/PE773 EC	PC 751 EC/ PC 752 EC (B1/B2)		LUNCH	OE824 ME/ OE CS		
DAY 2	OE702 CE/ OE703 IT	PE771 EC/PE773 EC	IAFM	PC 701 EC		PC 703 EC	PC 702 EC	
DAY 3	OE824 ME/ OE CS	PC 702 EC	PC 751 EC/ PC 752 EC(B2/B3)			PC 703 EC	MC871EG	
DAY 4	PC 703 EC	PC 701 EC	IAFM	IAFM		OE702 CE/ OE703 IT		
DAY 5	PE771 EC/PE773 EC	PC 701 EC	PC 751 EC/ PC 752 EC(B3/B1)			PC753EC		
DAY 6	PC 702 EC	PC 703 EC	MC871EG	MC871EG		PC 701 EC	SI671EC	
THEORY	<i>Subject Code</i>	<i>Title of the Theory</i>				<i>Faculty Name</i>		
	PC 701 EC	Embedded Systems			Mr.J.K.Nag			
	PC 702 EC	VLSI Design			Mr.M.A.Raheem			
	PC 703 EC	Microwave Techniques			Dr. Ayesha Naaz			
		Professional Elective - II						
	PE771EC	Mobile and Cellular Communications			Mrs.Nazeerunnisa			
	PE773 EC	Electronic Measurement and Instrumentation			Mr.Hakeem Aejaz Aslam			
			Open Elective-II					
	OE824 ME	Entrepreneurship			Mohd. Hasham Ali			
	OE CS	Data Analysis using R			Dr.Mahmood Ali			
			Open Elective-III					
	OE702 CE	Road Safety			K.Lakshmi			
	OE703 IT	Software Engineering			Mr.Rasool/Mr.Ghousse Baig			
	IAFM	Industrial Administration & Financial Mgmt			Dr.G.Prasanna kumar			
MC871EG	Human Values and Professional ethics			Ms. Ghazala Anjum				
LAB	<i>Lab Subject code</i>	<i>Title of the Lab</i>			<i>Faculty Name</i>			
	PC 751 EC	Microwave Lab			Mr.Iftekharuddin / Mr.Syed Hifazath Ali Khan			
	PC752EC	Electronic Design & Automation Lab			Mr.Md.Zakir Hussain/Mr.Hakeem Aejaz Aslam			

Mrs.Afshan Kaleem/Mrs.Nazeerunnisa
Incharges, Time Table

PRINCIPAL
Muffakham Jah College Of
Engineering & Technology,
Banjara Hills, Road No.3,
HYDERABAD - 500 034. A.P

Dr.Mohd.Arifuddin Sohel
Head ECED

Muffakham Jah College of Engineering and Technology

Department of Electronics and Communication

CLASS TIME TABLE (W.E.F: 07 -09-2020)

PC753EC	Project Seminar	Dr.Kaleem Fatima/Dr.Arif Sohel/Mr.J.K.Nag
SI671EC	Summer Internship Seminar	Dr.Kaleem Fatima/Dr.Arif Sohel/Mr.J.K.Nag


21/03/2022

PRINCIPAL

Muffakham Jah College Of
Engineering & Technology,
Banjara Hills, Road No.3,
HYDERABAD - 500 034. A.P



Dr.Mohd.Arifuddin Sohel
Head ECED

/Mrs.Nazeerunnisa
le



Muffakham Jah College of Engineering and Technology

Department of Electronics and Communication

CLASS TIME TABLE (W.E.F: 07 -09-2020)

Academic Year: 2020 – 2021

B.E. IV Year VII Semester (CBCS) SEC-B

Room No.: 5407

DAY/TIME	1	2	3	4		5	6	7 (Post Session)
	9:00-10:00	10:00-11:00	11:00-12:00	12:00-1:00		1:45-2:45	2:45-3:45	3:45-4:45
DAY 1	PC 701 EC	PE771 EC/PE773 EC	PC 703 EC	PC 702 EC	L U N C H	OE824 ME/ OE CS		
DAY 2	OE702 CE/ OE703 IT	PE771 EC/PE773 EC	PC 751 EC/ PC 752 EC(B1/B2)			PC753EC		
DAY 3	OE824 ME/ OE CS	PC 701 EC	PC 702 EC	PC 703 EC		IAFM		
DAY 4	PC 701 EC	PC 703 EC	PC 751 EC/ PC 752 EC(B2/B3)			OE702 CE/ OE703 IT		
DAY 5	PE771 EC/PE773 EC	PC 703 EC	PC 701 EC	PC 702 EC		MC871EG		
DAY 6	IAFM	PC 702 EC	PC 751 EC/ PC 752 EC(B3/B1)			MC871EG	SI671EC	
THEORY	<i>Subject Code</i>	<i>Title of the Theory</i>		<i>Faculty Name</i>				
	PC 701 EC	Embedded Systems		Mrs.Afshan Kaleem				
	PC 702 EC	VLSI Design		Mr.M.A.Raheem				
	PC 703 EC	Microwave Techniques		Dr. Ayesha Naaz				
		Professional Elective - II						
	PE771EC	Mobile and Cellular Communications		Mrs.Nazeerunnisa				
	PE 773 EC	Electronic Measurement and Instrumentation		Mr.Hakeem Aejaz Aslam				
		Open Elective-II						
	OE824 ME	Entrepreneurship		Mohammed Yahiya				
	OE CS	Data Analysis using R		Dr.Mahmood Ali				
		Open Elective-III						
	OE702 CE	Road Safety		K.Lakshmi				
	OE703 IT	Software Engineering		Mr.Rasool/Mr.Ghouse Baig				
IAFM	Industrial Administration & Financial Mgmt		Mr.H.K.Dora					
MC871EG	Human Values and Professional ethics		Dr. Gitasri Mukherjee					
LAB	<i>Lab Subject code</i>	<i>Title of the Lab</i>		<i>Faculty Name</i>				
	PC751EC	Microwave Lab		Dr. Ayesha Naaz / Mr.Syed Hifazath Ali Khan				
	PC752EC	Electronic Design & Automation Lab		Mrs.Afshan Kaleem/Mr.Md.Zakir Hussain				
	PC753EC	Project Seminar		Dr.Kaleem Fatima/Dr.Arif Sohel/Mr.J.K.Nag				
	SI671EC	Summer Internship Seminar		Dr.Kaleem Fatima/Dr.Arif Sohel/Mr.J.K.Nag				

Mrs.Afshan Kaleem/Mrs.Nazeerunnisa
Incharges, Time Table

PRINCIPAL
Muffakham Jah College Of
Engineering & Technology,
Banjara Hills, Road No.3,
HYDERABAD - 500 034, A.P

Dr.Mohd.Arifuddin Sohel
Head ECED

M.J.C.E.T.
ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

ENROLLMENT LIST OF B.E. E.C.E. - [A] VII - SEM. 2020 - 2021

Sl. No	Roll No.	Name of the Student	Sl.No	Roll No.	Name of the Student
1	1604-17-735-001	Ayesha Fatima	43	1604-17-735-048	Mohammed Yaseen
2	1604-17-735-002	Faiza Tarannum	44	1604-17-735-049	Mani Harsha Mandalapu
3	1604-17-735-003	Majeti Sanjana	45	1604-17-735-050	Penna Abdul Ajmal Abdullah
4	1604-17-735-004	Shahedunnisa Begum	46	1604-17-735-051	Mohd. Tameem Osama
5	1604-17-735-005	Kausar Zaidi	47	1604-17-735-053	Mohammed Rehan Hussain Khan
6	1604-17-735-006	Ananya Pendekatla	48	1604-17-735-054	Mohammed Saif Ul Hasan
7	1604-17-735-007	Syed Reeha	49	1604-17-735-055	Mohammed Jawad Ahmed
8	1604-17-735-008	Saria Fatima	50	1604-17-735-056	Mohd. Junaid
9	1604-17-735-009	Damisetti Savitri Devi	51	1604-17-735-057	Shaik Fazil Ahmed
10	1604-17-735-010	Zoha Zareen	52	1604-17-735-058	Mohd. Abdul Qader
11	1604-17-735-011	Bandisuri Asra	53	1604-17-735-059	Mohammed Abdul Quavi Muaaz
12	1604-17-735-012	Jaku Sushmitha	54	1604-17-735-060	Syed Habeebuddin
13	1604-17-735-013	Syeda Maryam Fatima	55	1604-17-735-301	Shilamkoti Vinayswaroop
14	1604-17-735-014	Jahnvi Potluri	56	1604-17-735-302	Konduri Jayanth
15	1604-17-735-015	Jajam Sai Madhurya Deepthi	57	1604-17-735-303	Khaja Muheebuddin
16	1604-17-735-016	Mohammed Amreen Sultana	58	1604-17-735-304	Sara Tanveer
17	1604-17-735-018	Rahamathe Fathima	59	1604-17-735-305	Shaik Mohammed Yousuf
18	1604-17-735-019	Mohammad Shoeb	60	1604-17-735-306	Md.Sajeed Pasha
19	1604-17-735-020	Mohd. Abdul Aziz	61	1604-17-735-307	Nuzath Sultana
20	1604-17-735-022	Mohammed Anas Ahmed	62	1604-17-735-308	Pathan Anjum Rizwana Begum
21	1604-17-735-023	Mohd.Safwan Hussain	63	1604-17-735-309	Mohammed Adnan
22	1604-17-735-024	Md. Aneeq Ur Rahman	64	1604-17-735-310	Mohammed Nisar
23	1604-17-735-025	Paka Tarun	65	1604-17-735-311	Muzamil Ahmed
24	1604-17-735-026	Syed Sohaib Ali			
25	1604-17-735-027	Mohammed Abdul Majeed			
26	1604-17-735-028	Mohammed Saif Ur Rahman			
27	1604-17-735-031	Mohd. Ismail Khan			
28	1604-17-735-032	Mohammed Waseem			
29	1604-17-735-033	Mohammed Mazher Yousuf			
30	1604-17-735-034	Khaja Asad Ullah			
31	1604-17-735-035	Syed Nemathullah Hussaini			
32	1604-17-735-036	Mohd. Akef Ali			
33	1604-17-735-038	Mohd. Khaja Moinuddin			
34	1604-17-735-039	Mohammad Abrar Baqtiyar			
35	1604-17-735-040	Shaik Sohail			
36	1604-17-735-041	Jakkam Pudi Sathya Trinath			
37	1604-17-735-042	Syed Farhan			
38	1604-17-735-043	Mohammed Sohail Ahmed			
39	1604-17-735-044	Mohammed Abdul Nayeem			
40	1604-17-735-045	Madana Hari Shankar Reddy			
41	1604-17-735-046	Mohammad Abdul Mannan			
42	1604-17-735-047	Mohammed Imaad			

HEAD, ECE DEPT.

Head of Department

PRINCIPAL

Muffakham Jah College Of
Engineering & Technology,
Banjara Hills, Road No.3,
HYDERABAD - 500 034. A.P

Electronics & Communication Engineering
Muffakham Jah College of Engg. & Tech.
Road No: 3, Banjara Hills Hyderabad-34

M.J.C.E.T.
ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

ENROLLMENT LIST OF B.E. E.C.E. - [B] VII - SEM. - 2020 - 2021

Sl. No	Roll No.	Name of the Student	Sl. No	Roll No.	Name of the Student	
1	1604-17-735-061	Nameera Mohsin	42	1604-17-735-107	Mohammed Subhan	
2	1604-17-735-062	Syeda Kulsoom Nahid	43	1604-17-735-108	Mohammed Abdul Hafiz	
3	1604-17-735-063	Maleeha S Hasan	44	1604-17-735-109	Syed Abdul Mateen	
4	1604-17-735-064	Fatima Fareeha	45	1604-17-735-110	P. Maqbool Khan	
5	1604-17-735-065	S. Tabassum	46	1604-17-735-111	Moin Khan	
6	1604-17-735-066	Saneela Gauhar	47	1604-17-735-112	Syed Yaseen Quadri Ameen	
7	1604-17-735-067	Anjum Fatima	48	1604-17-735-113	Mohammed Fazal Rahaman Pasha	
8	1604-17-735-068	Syeda Azra Mohi	49	1604-17-735-114	Mohammad Abdul Sameer Pasha	
9	1604-17-735-069	Ayeesha Sultana	50	1604-17-735-115	Mohammed Sohail	
10	1604-17-735-070	Mohammadi Sadiya Fatima	51	1604-17-735-313	Yasmeen	
11	1604-17-735-071	Syeda Saniya Anjum	52	1604-17-735-314	Mohd Aijaz Ahmed	
12	1604-17-735-072	Alisha Unissa	53	1604-17-735-315	Shaik Abid	
13	1604-17-735-073	Afroze Unnisa	54	1604-17-735-316	Shafan Nazeer Ahmed	
14	1604-17-735-074	Syeda Adeeba Jahan	55	1604-17-735-317	Mohammed Sohail Pasha	
15	1604-17-735-075	Shaik Noor Mohammad	56	1604-17-735-318	Mohammad Karishma	
16	1604-17-735-077	Patter Munavar	57	1604-17-735-319	Mohammad Anwarudin	
17	1604-17-735-078	Syed Shah Mohd. Wasi Ul Haq	58	1604-17-735-320	Syeda Areej Anzer	
18	1604-17-735-079	Syed Abdul Aziz	59	1604-17-735-321	Mohammed Mazheruddin	
19	1604-17-735-080	Pathan Sharuk Khan	60	1604-17-735-322	Ilyas Mohammed	
20	1604-17-735-081	Shaik Misbah Bilal	61	1604-17-735-323	Md. Muddassir Qureshi	
21	1604-17-735-082	Mohd. Raiyan Akbar	62	1604-16-735-092	Mohammed Abdul Baseer	Re-ad
22	1604-17-735-083	Shaik Nasir Vali	63	1604-16-735-318	Syed Shams-e-Alam	Re-ad
23	1604-17-735-084	M.A. Qayyum Siddiqui	64	1604-16-735-319	KHAJA MOINUDDIN ASHAR	Re-ad
24	1604-17-735-086	Shahebaz Ahamed	65	1604-15-735-078	Mohammed Habib Hussain	Re-ad
25	1604-17-735-087	Mohammed Sakhil Nehal	66	1604-15-735-091	Rizwan Afsar Baig	Re-ad
26	1604-17-735-088	Syed Ali Quadri	67	1604-14-735-090	Zuneyr Ahmed (Re-adm) dropout	Re-ad
27	1604-17-735-089	Shaik Layeeq	68	1604-14-735-102	Mohammed Rehan Ali Khan	Re-ad
28	1604-17-735-090	Syed Abdul Zakir	69	1604-15-735-320	SHAHZAD ALI KHAN FAROOQUI	Re-ad
29	1604-17-735-091	Dudekula Azmathulla Ashiq Vali	70	1604-13-735-109	Muhammad Abrar Ahmad	Re-ad
30	1604-17-735-092	Mohammad Faiz Ahmed Subhani				
31	1604-17-735-093	Abdul Karim Sajid Ali				
32	1604-17-735-095	Mohammed Nahaz				
33	1604-17-735-096	Mohammad Ghouse Mohiuddin				
34	1604-17-735-097	Mod. Ashfaq Hussain				
35	1604-17-735-098	Shaik Ehetesham				
36	1604-17-735-099	Mirza Mohammed Ali Baig				
37	1604-17-735-100	Syed Ayman Ahmad				
38	1604-17-735-101	Syed Gajani Ahmed				
39	1604-17-735-102	Shaik Shaibash				
40	1604-17-735-103	Mohammed Foad Hussain				
41	1604-17-735-104	Syed Wajahat Ali				

M. Hussain
HEAD, ECE DEPT.

PRINCIPAL

Muffakham Jah College Of
Engineering & Technology,
Banjara Hills, Road No.3,
HYDERABAD - 500 034. A.P

Electronics & Communication Engineering
Muffakham Jah College of Engineering & Technology
Banjara Hills, Road No. 3, Hyderabad - 500 034. A.P