




**Muffakham Jah**  
**College of Engineering and Technology**  
(The Sultan-Uloom Education Society)  
Affiliated to Osmania University Recognised by AICTE  
Banjara Hills, Hyderabad 500034

**2.3.1 Student centric methods, such as experiential learning, participative Learning and problem solving methodologies are used for enhancing learning experiences**

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25/03/2022 ✓  
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Muffakham Jah College Of  
Engineering & Technology  
Banjara Hills, Road No. 3,  
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Students of EED have demonstrated the experiments for better understanding of theoretical concepts.



Students of 1<sup>st</sup> Year demonstrating the experiments for better understanding in **Chemistry Lab**

*M. J. Prasad*  
25/08/2022 ✓

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**2. Internships:** Internships are provided to the students for the better understanding of Industrial concepts.

**List of students who have completed 4 weeks of internships as part of curriculum**

**List of Internships done by the students of ECE**


S. No	Name of the student	Name of the student	Year of Passing	Name of the organization
1.	160417735027	Mohammed Abdul Majeed	2021	DIGITAL INFINITY SHOWROOM
2.	160417735079	Syed Abdul Aziz	2021	IBPIL
3.	160417735019	Mohammed Shoeb	2021	ECIL
4.	160417735067	Anjum Fatima	2021	Widhya
5.	160417735065	S Tabassum	2021	Widhya
6.	160417735320	Syeda Areej Anzer	2021	Vidya
7.	160417735062	Syeda kulsoom Nahid	2021	WIDHYA
8.	160417735319	Mohammed Anwaruddin	2021	Synesis innovation core tech Pvt.ltd
9.	160417735077	Munavar	2021	Verzeo
10.	160417735034	Khaja Asadullah	2021	Servicenow
11.	160417735080	Sharuk Khan	2021	INDIAN SERVERS,WIDHYA,INTERNSHALA,IIT BOMBAY,INTERNATIONAL MUN
12.	160417735080	Sharuk Khan	2021	INDIAN SERVERS,WIDHYA,INTERNSHALA,IIT BOMBAY,INTERNATIONAL MUN
13.	160417735064	Fatima Fareeha	2021	Widhya
14.	160417735066	Saneela Gauhar	2021	Widhya, Ankooram, girlsript hyderabad Team
15.	160417735075	Noor Mahammad Shaik	2021	Indian servers and software development company
16.	160417735063	maleeha shabbir hasan	2021	mahdibagh computers pvt,ltd
17.	160417735063	maleeha shabbir hasan	2021	mahdibagh computers pvt,ltd
18.	1604-17-735-022	Mohammed Anas Ahmed	2021	Digital infinity showroom
19.	160417735080	PATHAN SHARUK KHAN	2021	INDIAN SERVERS,WIDHYA,ECELL IIT BOMBAY,INTERNATIONAL MUN,INTERNSHALA
20.	160417735095	Mohammed Nahaz	2021	Widhya
21.	160417735313	Yasmeen	2021	Widhya
22.	160417735091	DUDEKULA AZMATHULLA ASHIQ VALI	2021	Indian Servers
23.	1604-17-735-317	MOHAMMED SOHAIL PASHA	2021	Widhya
25.	1604-17-735-066	Saneela Gauhar	2021	Widhya, Ankooram, girlsript hyderabad Team Widhya as full stack developer, Ankooram( start up company) as Full stack Developer , Girlsript hyderabad team as Full stack developer and 1 month in NuSchool for fellowship
26.	1604-17-735-069	Ayeesha sultana	2021	Widhya
27.	1604-17-735-322	Ilias Mohammed	2021	Internet Of Things

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28.	160417735114	Mohammad Abdul Sameer Pasha	2021	Widhya
29.	1604-17-735-083	Shaik Nasir Vali	2021	Indian Servers
30.	160417735307	Nuzath Sultana	2021	Roboitic institute
31.	160417735074	Syeda Adeeba Jahan	2021	Verzeo Edutech
32.	160417735101	Syed Gajani Ahmed	2021	NILL
33.	1604-17-735-110	P Maqbool Khan	2021	Widhya
34.	160417735104	Syed Wajahat Ali	2021	Syed Wajahat Ali
35.	160417735023	MOHD SAFWAN HUSSAIN	2015	VERZEO
36.	1604-17-735-098	Shaik Ehetesham	2021	IBM
37.	1604-17-735-098	Shaik Ehetesham	2021	Smartbridge and IBM
38.	1604-17-735-092	MOHAMMAD FAIZ AHMED SUBHANI	2021	WIDHYA
39.	160417735097	Mohammed Ashfaq Hussain	2021	Widhya
40.	160417735104	Syed Wajahat Ali	2021	<a href="http://WIDHYA.ORG">WIDHYA.ORG</a>
41.	160417735104	Syed Wajahat Ali	2021	<a href="http://WIDHYA.ORG">WIDHYA.ORG</a>
42.	1604-17-735-081	Shaik Misbah Bilal	2021	Widhya
43.	160417735087	MOHAMMED SAKHIB NEHAL	2021	WIDHYA
44.	1604-17-735-108	Mohammed Abdul Hafiz	2021	(1)Widhya, (2)CodeQ
45.	160417735090	Sayed Abdul Zakir	2021	Widhya
46.	1604-17-735-089	SHAIK LAYEEQ	2021	Widhya
47.	160417735035	Syed neimath ullah hussaini	2021	Digital infinity showroom
48.	160417735057	SHAIK FAZIL AHMED	2021	HAL
49.	1604-17-735-070	Mohammadi Sadiya Fatima	2021	Widhya
50.	1604-17-735-082	Mohammad Raiyan Akbar	2021	Widhya Co.
51.	1604-17-735-115	Mohammed sohail	2021	BSNL (Warangal)
52.	1604-17-735-103	Mohammad Foad Hussain	2021	<a href="http://Widhya.org">Widhya.org</a>
53.	1604-17-735-041	Jakkampudi Sathya Trinath	2021	Bharat Heavy Electricals Limited
54.	160417735314	Mohd Aijaz Ahmed	2021	WIDHYA
55.	1604-17-735-066	Saneela Gauhar	2021	Widhya as full stack developer, Ankooram( start up company) as Full stack Developer , Girlsript hyderabad team as Full stack developer and 1 month in NuSchool for fellowship
	1604-17-735-093	ABDUL KARIM SAJID ALI	2021	WIDHYA
57.	160417735099	Mirza Mohammed Ali	2021	Widhya

  
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Baig		
58.	160417735032 Mohammed Waseem	2021 Doozy robotics
59.	160417735005 Kausar Zaidi	2021 Servicenow
60.	160417735310 Mohammed Nisar	2021 NA
61.	Syed Yaseen Quadri 160417735112 Ameen	2021 Widhya
62.	160417735088 Syed Ali Quadri	2021 Widhya
63.	1604-17-735- Pathan . 308 Anjumrizwanabegum	2021 Verzeo
64.	160417735011 B.Asra	2021 Visudh Ajivam
65.	1604-17-735- Mohammed Saif Ul 054 Hasan	2021 Widhya and ServiceNow
66.	1604-17-735- 042 Syed Farhan	2021 widhya
67.	160417735100 Syed Ayman Ahmed	2021 Vidhya
	1604-16-735- 319 KHAJA MOINUDDIN ASHAR	2021 BHARAT DYNAMIC LIMITED
	1604-17-735- 077 Patter Munavar	2021 Verzeo
70.	160417735012 JAKKU SUSHMITHA	2021 BHEL
71.	160417735026 Syed Sohaib Ali	2021 Verzeo
	1604-17-735- 020 Mohd Abdul Aziz	2021 Verzeo
73.	160417735068 Syeda Azra Mohi	2021 i7 Technologies
74.	Mohammed Fazal 160417735113 Rahaman Pasha	2021 Box26 solution
	1604-17-735- 096 Mohammad Ghouse Mohiuddin	2021 Team Robocon MJCET
	1604-17-735- 001 Ayesha Fatima	2021 Great lakes
	1604-17-735- 031 Mohd Ismail Khan	2021 Xit solutions inc
78.	160417735309 MOHAMMED ADNAN	2021 Simco Calibration laboratory
79.	160417735058 Mohammed Abdul Qader	2021 Widhya
80.	160417735048 Mohammed Yaseen	2021 Widhya

  
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**Sample copies of Certificate of internship completion**



Mahindra e-Hubs,  
62/1A, Tech Mahindra Office,  
Hyderabad - 500043

EMAIL : [help@widhya.org](mailto:help@widhya.org)  
PHONE : +91-7893798125

**TO WHOM IT MAY CONCERN**

This is to certify that **Syeda Kulsoom Nahid** has **successfully completed** his/her **Summer Internship** as a **Artificial Intelligence Research Intern** at **Widhya**. During the period of the internship, he/she worked on building predictive models to compute Net Promoter Score from user generated content on E-Commerce Platforms like Amazon and Flipkart.

During the internship, it was noticed that deadlines were met. The internship on evaluation fulfills all the stated criteria and the intern's findings are his original work.

**I hereby certify their performance as good to the best of my knowledge.**

Team Widhya wishes him/her all the best for his future endeavours!



Rahul Arulkumaran  
Co-Founder & CEO, Widhya

9<sup>th</sup>, December, 2020

**Mohammed Saif Ul Hasan**

Banjara Hills, Road No 10.  
H.no 8-2-601/1/5, plot no 461.  
Opposite MCH Park  
Hyderabad-500034  
Telangana  
India

Dear Mohammed Saif Ul Hasan,

**Completion of Internship with ServiceNow**


This letter is to confirm that you have completed an internship with ServiceNow as **Software Development Intern** from **13-Jul-2020 to 31-Oct-2020**.

We wish you all the very best in your future endeavors.

For ServiceNow Software Development India Private Limited

Decoigned by:  
  
ILANGO A P  
Director, India HR

**Internship Certificate of Syeda Kulsoom Nahid of ECE Department at Widhya and Mohammed Saif Ul Hasan at Service Now**




**भारत हेवी इलेक्ट्रिकल्स लिमिटेड**  
रामचंद्रपुरम, हैदराबाद  
मानव संसाधन विकास केंद्र


**BHARAT HEAVY ELECTRICALS LIMITED**  
RAMACHANDRAPURAM, HYDERABAD-500032  
Human Resource Development Centre

Ref No: 19CN 56 3201      Date: 18/12/2020

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that Mr./Ms. Jakkampudi Sathya Trinath with college id no: 182417285241 studying in Muffakham Jah College of Engineering and Technology pursuing B.E/B.Tech/MBA in Electronics and communication Engineering discipline had undergone project training from 15/12/2020 to 15/12/2020. The title of the project as per our records is Search of PC on CVC Database.

  
D. MANI  
25/12/2020  
Project training in-charge




**BSNL**  
**BHARAT SANCHAR NIGAM LIMITED**  
(A Govt of India Enterprise)  
OFFICE OF GENERAL MANAGER TELECOM. DISTRICT  
BSNL Bhavan, Warangal - 506 001.


**Certificate**

This is to certify that Mr./Ms. MOHD. SOHAIL  
S/o. MOHD. JUMBAL PIN No. ECE-735  
a Student of MUFFAKHAM JAH COLLEGE  
OF ENGINEERING AND TECHNOLOGY  
has successfully completed the **INDUSTRIAL TRAINING** on  
"Telecommunication Technologies, Systems Procedures, Processes"  
from 19-10-2020 to 18-11-2020  
at BSNL Warangal.

Date: 18/12/2020

  
Asst. General Manager (ADMN),  
Old GMTR, BSNL Warangal.

**Internship Certificate of J Sathya Trinath (ECE) at BHEL and Mohd Sohail (ECE) at BSNL**

  
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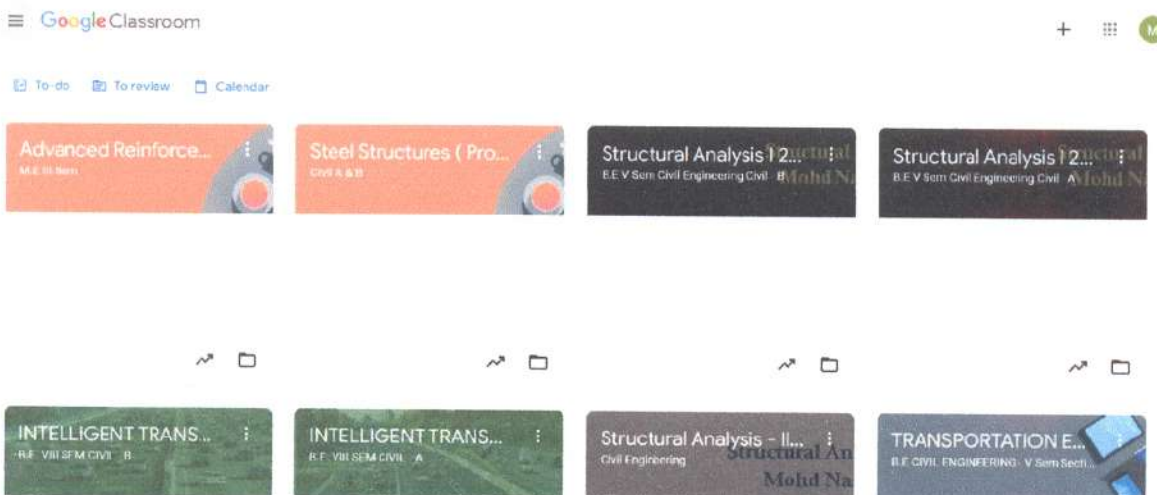
#### 4. Integrated tools: Students are encouraged to enroll in online courses



Mr. Nabeel Hasnain, student of EED has successfully completed a **Coursera certificate** course on **HTML** offered by **solelearn**

**Mr. Mohammed Abul Nabeel Hasnain, student of EED has successfully completed a Coursera certificate course on Python offered by coursera**

**5. Moodle:** Moodle is a learning platform designed to provide educators, administrators and learners with a single robust, secure and integrated system to create personalized learning environments. Google classrooms are used to cover various learning levels such as PPT, White board, Google Jam board, video lectures, demos, assignments etc.

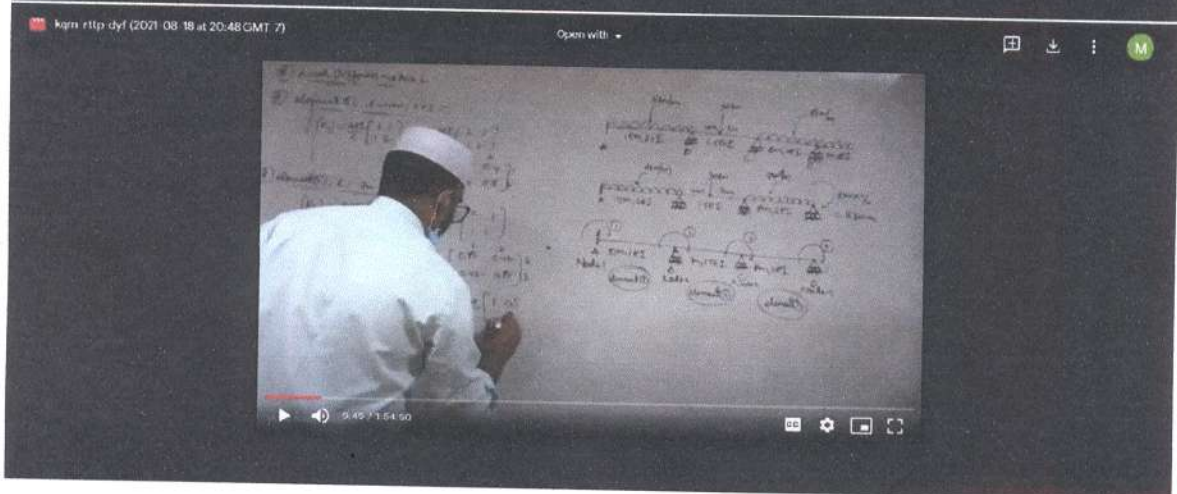
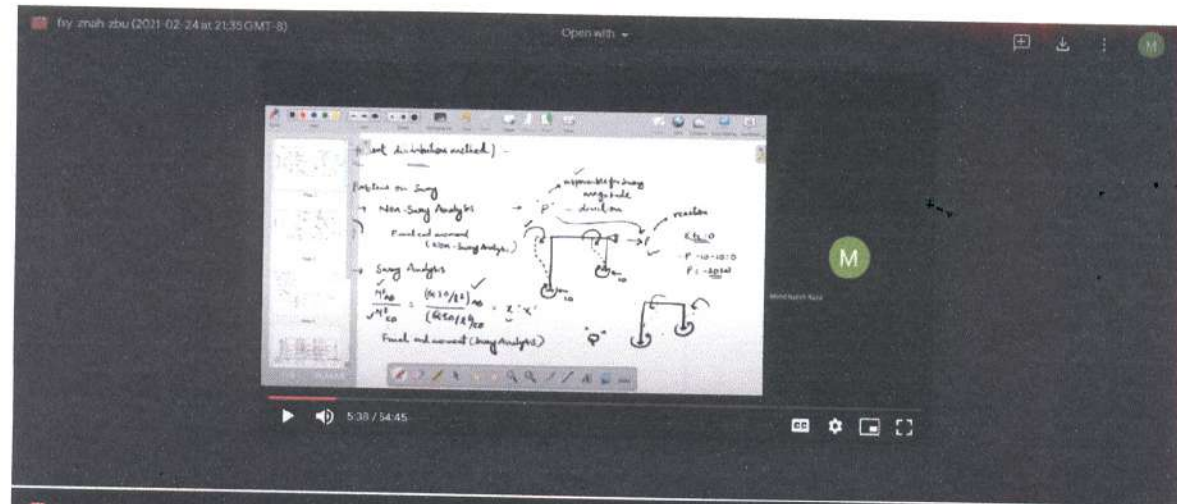


Sample page of Google Classroom (CIVIL)

  
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Sample copy of online class through Google classroom (CIVIL)



Sample copy of online demonstration through Google classroom (EEE)

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25/05/2022  
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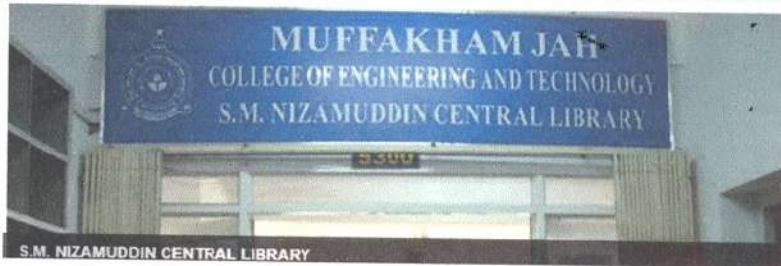




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**5. E-Learning:** The institute provides NDL logins to access text books & references, course materials, project reports, magazines, printed journals & e-journals.

- Library**
  - Home
  - Library at a Glance
  - Library Collection
  - Users Library
  - Library Staff
  - Library Membership
  - Rules and Regulations
  - Library Working Hours
  - Journals & Periodicals
  - Digital Library
  - Useful Internet Links
  - Library Notices
  - Gallery
- Free E-Books**
  - E-Books
  - E-Journals
  - E-Dissertations and Theses
  - E-Lectures

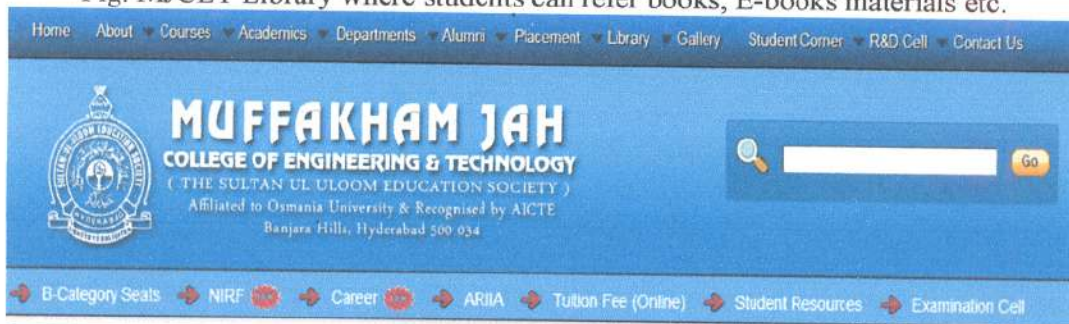


**S.M. NIZAMUDDIN CENTRAL LIBRARY**

**Notice for**

The Muffakham Jah College of Engineering and Technology library is spread over an area of 1000 Sq.m. The library has a rich collection of books, Journals for all the streams of Engineering and Technology.

**Fig. MJCET Library where students can refer books, E-books materials etc.**



- Library**
  - Home
  - Library at a Glance
  - Library Collection
  - Users Library
  - Library Staff
  - Library Membership
  - Rules and Regulations
  - Library Working Hours
  - Journals & Periodicals
  - Digital Library

**Free E-Books - ( Internet Links )**

1. <http://www.libdex.com>
2. <http://gutenberg.org>
3. <http://books.google.com>
4. <http://www.worldbookfair.com>
5. <http://www.worldlibrary.net>
6. <http://www.ebooksabouteverything.com>
7. <http://www.free-ebooks.net>
8. <http://2020ok.com>

*M. Jagan*  
 25/05/2022  
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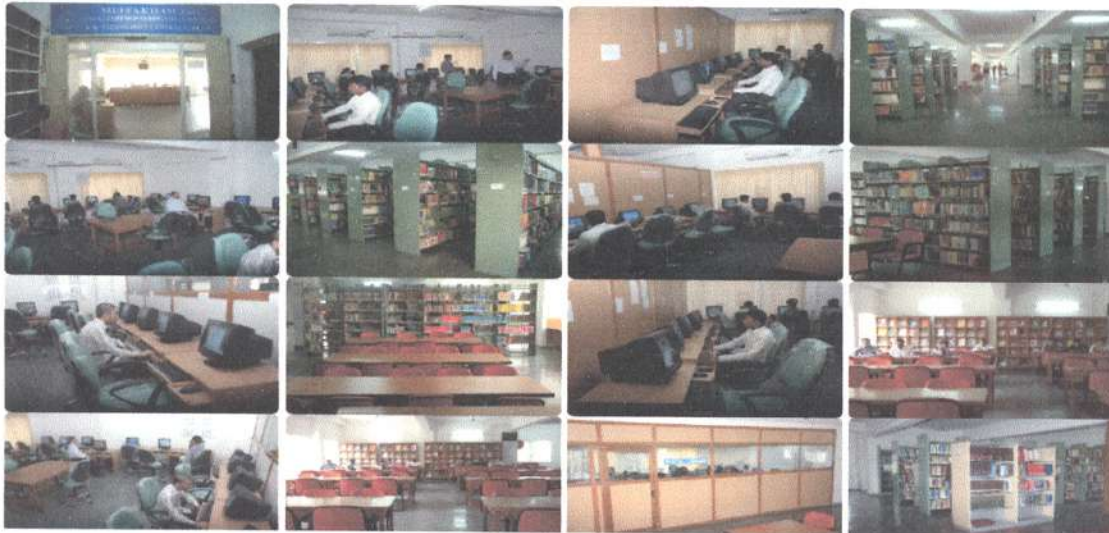


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B-Category Goals   NIRF   Career   AFRIIA   Tuition Fee (Online)   Student Resources   Examination Cell

Library		Library Collection		
		S.No	Particulars	Volumes
Home		01	Total Volume of Books	62632
Library at a Glance		02	Number of Titles	17510
Library Collection		03	Reference Books	6745
Users Library		04	Donated Books	1014
Library Staff		05	Bound Volumes	3020
Library Membership		06	Project Reports	5444
Rules and Regulations				
Library Working hours				
Journals & Periodicals				
Digital Library				
Useful Internet Links				
Library Notices				
Gallery				
Type: E-Books				
E-Books				
E-Journals				
E-Dissertations and Theses				
E-Lectures				
E-Magazines				
Subject wise E-Journal				



**MJCET digital library**

*[Signature]*  
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**6. Students Competitions:** In coordination with Binford research labs private LTD, students of EED participated in Drone Dance Competition Organized by Board of International Aviation Games, Delhi, India in the year of 2021.

**Team MJCET has Secured 2<sup>nd</sup> rank in Central India zone and 4<sup>th</sup> rank in national level.**


**Student Participants**

1. B. Sidhant (EEE)
2. Mohammed Sohel (EEE)
3. Buddhavaram Chaitanya Roy (EIE)
4. Syed Aziz Ahmed (EEE)



**Mentor of the Team**

Dr. Mohammed Sajid, Associate Professor, EED  
Head of the Department  
Dr. Mohammad Haseeb Khan

  
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7. **Service learning projects:** The IEEE PES & EA student chapter take up local community projects by identifying the need and requirement of the institutions like schools, slums, NGO's etc.



Fig. The IEEE PES & EA student chapter conducted a seminar on the topic, 'Technologies for sports, education and women welfare' at TMRIES Patancheru Girls.

8. **R & D projects:** Students R&D funded project

**Title of the project: Object tracking and surveillance using quad copter**

Project team:

1. B. Chaitanya Roy (1604-18-739-010)
2. Syed Nabeel Ahmed (1604-18-739-017)

Guided by Ms. P. Bharathi/ Arshad Mohammed

**M.J.C.E.T**  
**RESEARCH AND DEVELOPMENT CELL**  
**PROJECT ORDER**


As per the decision of meeting of R&D committee, the project titled "Object Tracking and surveillance using Quadcopter (UAV)" is being allocated to Mr. Mohammed Arshad, Assistant Professor, EED in place of Mrs. P. Bharathi, Assistant Professor, EED. All the project details and accounts related to the Project should be settled by Mr. Mohammed Arshad, Assistant Professor, EED.

It is expected that the project will be completed in time and a detailed report will be submitted to R&D cell. Project Completion report and a one page write up with the project picture has to be submitted to the Coordinator, R & D Cell, MJCET.

Note: (i) All the rights of the project are reserved with R & D Cell, MJCET  
(ii) No part of the project work can be published as a paper or patented without the prior permission of the Convenor, R & D Cell, MJCET. If the work is published or patented without the credit to the MJCET then amount sanctioned to the project has to be refunded immediately and necessary action will also be taken by the Chairman, R&D Cell, MJCET.

It is also clarified that all financial transactions would be through Project guides/ HODs, as per the procedure, followed by Accounts department, MJCET, Hyderabad

  
Dr. Ishrat Meera Mirza  
Professor, EED, MJCET  
(Coordinator, R&D Committee)  
Dt: 01/10/2021

  
Dr. Basheer Ahmed  
Advisor-cum-Director, MJCET  
(Chairman, R&D Committee)  
Dt: 01/10/2021

cc: Head EED/EIE

cc: The Director

Order copy of sanctioned R&D Project

  
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**Participative learning:** The Institution focuses on students for active involvement by independently and interdependently by collaborative learning methods

**9. Workshops, Guest lectures and Seminars:** Students are encouraged to train on latest trends and innovative technologies by organizing workshops, guest lectures and seminars.

i) Seminar



Seminar on “Accelerators/Incubation - Opportunities for Students & Faculties - Early Stage Entrepreneurs” organized by MJCET Institution Innovation Council



Students of EED has participated in the seminar  
organized by **MJCET Institution Innovation Council**

  
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ii) Webinar

**Muffakham Jah**  
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**Institute Innovation Council**  
presents  
**Webinar on**  
**Design Thinking and Design Implementation**  
**By: Prof. Ashfaque Jafari, Dean Academics, MJCET**  
**Prof. Nazia Parveen, Professor, ECED, MJCET**

This webinar is open for all faculty members of all branches.  
Students of all branches and all years are also invited to attend the same.  
Date: Wednesday 30 December Time: 2.00PM to 3.00PM  
Webinar will be broadcasted through You tube Link: [https://youtu.be/OLY\\_ZoQvTeY](https://youtu.be/OLY_ZoQvTeY)  
Registration is free Please register on this link [shorturl.at/biyX8](https://shorturl.at/biyX8)  
For further details please contact:  
Dr. Mohammed Arifuddin Sohel, President, MJCET Institute Innovation Council

Webinar on “Design thinking and Design Implementation” by Prof. Asfaque Jafari, Dean-Academics MJCET on 30.12.2020.

iii) Workshops

**MUFFAKHAM JAH**  
**COLLEGE OF ENGINEERING & TECHNOLOGY**  
(THE SULTAN UL ULOOM EDUCATION SOCIETY)  
Affiliated to Osmania University & Recognized by AICTE  
Banjara Hills, Hyderabad 500 034

**WORKSHOP ON:**  
**Entrepreneurship Development Phases**

**SPEAKER:**  
**MR. MERAJ FAHEEM, SERIAL ENTREPRENEUR & CEO CODE.IN AND HACKSHCOOL**

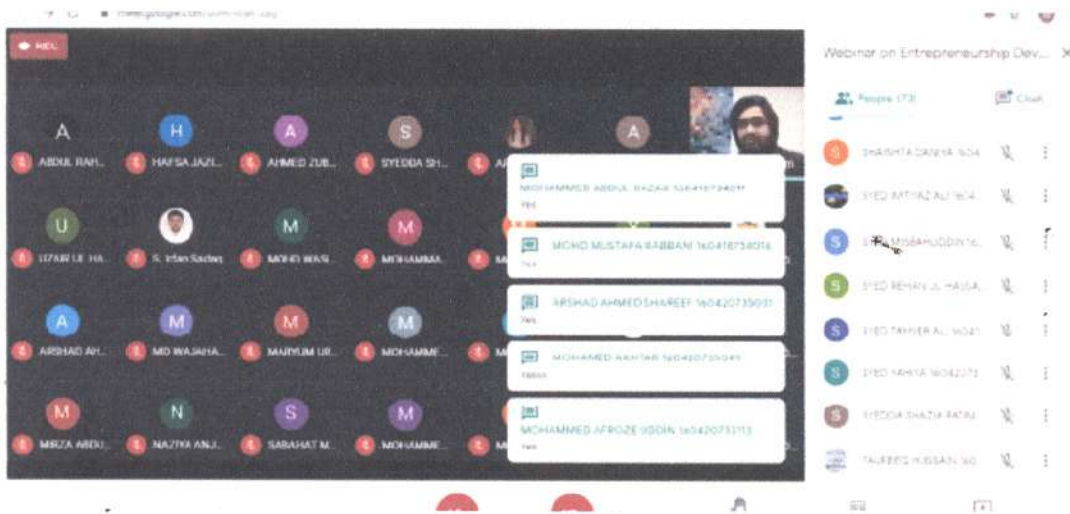
**MJCET, HYDERABAD (TS)**  
**25TH JANUARY, 2021**  
**TIME: 2:00PM TO 3:00PM**

**ORGANIZED BY MJCET INSTITUTION INNOVATION COUNCIL (MJ-IIC)**

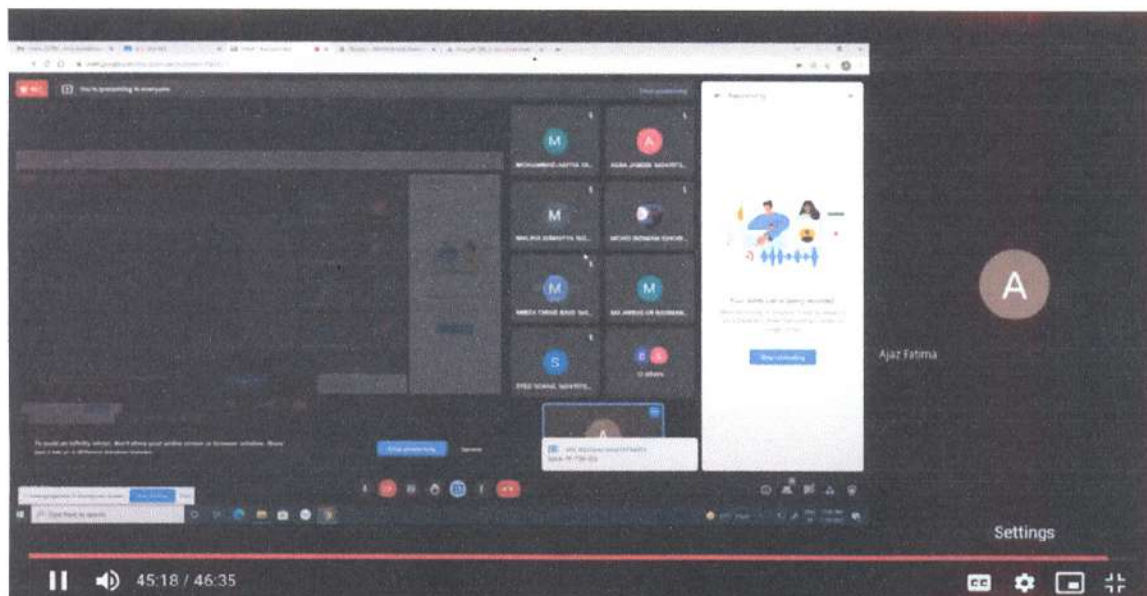
25/01/2021  
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DERABAD-500 034 (T.S.)



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One day online workshop on “Entrepreneurship Development Phases”, organized by MJCET Institution Innovation Council on 25.01.2021.



A five days online workshop on “Introduction on Electric vehicles” from 3rd to 8th Aug-2020 at MJCET, EED, Hyderabad.

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25/03/2021  
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**Guest Lecture**

**Dr. Abhay Jere**, Chief Innovation Officer, MoE Innovation Cell, India has addressed gathering(online mode) on the topic of “Toyhackathon. The Speakers discussed following points

- Toyhackathon event is organized to enhance the prototyping and manufacturing of physical toys at the institution level.
- The speaker urged the students to develop their technical skills to design and innovate toys which are useful for educating the children.
- The hackathon will give the students an opportunity to do something innovative during the pandemic time to design the toys.
- The toys can be designed as puzzles or physical toys or games to become Atmanirbhar in toy manufacturing to reduce the importing of toys.
- Startups and incubation units are motivated to design and innovate toys and games.
- More than 50 students and 25 faculty members have attended and got benefitted in online mode.



Fig. Students and Faculties participating in the (online) Toyhackathon

  
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**9. Technical workshop with hands on session in collaboration with Binford research labs private LTD**

**Two Days Hands on session held on 30<sup>th</sup> and 31 Dec 2020**

- Students of MJCET attended the program
- An expert talk from **Binford research labs private LTD** was organized for, better understanding of niche aspects of drone technology.




Fig. Hands on session held on 30 and 31 December 2020

**10. Assignments & Quizzes**



Assignment on Google Classroom

  
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AMEENA SULTANA 160418732002

HW-7\_(007).pdf

Open with Google Docs

Analyze the given continuous beam by moment distribution method. Also draw BMD & SFD.  
• sinking @ B = 10mm  
• sinking @ C = 20mm  
• EI = 20MN/m<sup>2</sup> = 20 x 10<sup>6</sup> N/m<sup>2</sup>  
= 20 x 10<sup>6</sup> N/m<sup>2</sup>

Fixed-End Moments:  
[due to loading]

85.7	85.7	37.57	62.57
51.97	159.2	17.05	11.02
90.28	79.03	51.58	43.27

Page 1 / 5

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HW-7\_(002).pdf

Grade  
5/5

Private comments  
AMEENA SULTANA 160418732002  
Jan 19, 2021, 9:25 PM  
Ameeena Sultana  
1604-18-732-002

**Submission of Assignment Online by Students**

MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY  
DEPARTMENT OF CIVIL ENGINEERING  
BE VII SEM- CIVIL (A&B)- 2020-21  
QUIZ  
Sub: FOUNDATION ENGG

- Q1. The vertical stress intensity  $\sigma_z$  at a depth  $z$  directly beneath a concentrated load  $Q$ , according to a Boussinesq, is  $\frac{Q \sqrt{z}}{\pi B^2}$
- Q2. For layered deposits, which show large lateral restraint the more appropriate theory of stress distribution is considered to be Winkler's theory
- Q3. The expression for vertical stress at a point below the corner of the rectangular loaded area is derived by divided by four parts
- Q4. The value of Terzaghi's bearing capacity factors depend only upon the value of angle of friction
- Q5. For  $\phi=0^\circ$  the Terzaghi's bearing capacity factor are:  
1.  $N_c=1, N_q=5.7, N_r=0$   
2.  $N_c=0, N_q=5.7, N_r=1$   
3.  $N_c=5.7, N_q=1, N_r=0$   
4.  $N_c=1, N_q=0, N_r=5.7$
- Q6. The bearing capacity of a footing in pure clay may be increased by increasing its size. (True/False)
- Q7. Pile foundation is one of the type of deep foundation
- Q8. One of the simplest of the dynamic pile-driving formulae is the H&O formula.
- Q9. Minimum number of piles in a pile group should be two
- Q10. Caissons are broadly classified into three types: (a) small (b) medium (c) large
- Q11. The additional weight required to sink a caisson over and above its own weight is called submergence weight
- Q12. The well foundation resembles the open type of caisson.
- Q13. Sub-surface drainage is called de-watering (True/False)
- Q14. Direct is a direct method for soil exploration.
- Q15. Indirect and Indirect are indirect method for soil exploration.

Asmatullah Khan  
1604-17-732-058

**Quiz Sample 1**

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25/03/2021




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MICE1  
CED  
B.E.V-SEM(CIVIL- A& D) 2020-21  
QUIZ  
SUBJECT: GEOTECHNICAL ENGINEERING

- Q1) Units of specific gravity are  
a) gm b) cm c) sec d) no units
- Q2) For a soil having porosity 50%, void ratio is given by  
a) 0.50 b) 1.00 c) 1.50 d) 2.00
- Q3) The law used in permeability test is  
a) Stoke's law b) Pascal's law c) Darcy's law d) Newton's law
- Q4) For a soil having specific gravity of solids of 2.67 and void ratio 0.67, critical hydraulic gradient is  
a) 11.122 b) 5.06 c) 2.197 d) 1.0
- Q5) For cohesive soils, with increasing compactive effort, the optimum moisture content:  
a) increase b) decrease c) remain constant
- Q6) the ratio of settlement at any time t to the final settlement is known as:  
a) Coefficient of consolidation b) degree of consolidation c) compression index d) none
- Q7) In the shear box test, failure plan is the  
a) weakest plane b) vertical plane c) major principal plane d) horizontal plane
- Q8) The ratio of undisturbed shear strength and remoulded shear strength is known as:  
a) Thixotropy b) dilatancy c) remoulding loss d) sensitivity
- Q9) coefficient of passive earth pressure for cohesionless soils is given by:  
a)  $\frac{1+\sin\theta}{1-\sin\theta}$  b)  $\frac{1-\sin\theta}{1+\sin\theta}$  c)  $\frac{1+\tan\theta}{1-\tan\theta}$  d)  $\frac{1+\cos\theta}{1-\cos\theta}$
- Q10) slope failure is due to  
a) Gravitational force b) Force due to seepage of water c) forces due to earthquake d) all the above

Armaan  
1604-18-732-031

**Quiz Sample 2**

  
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