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CSE BYTES

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

METHODIST

COLLEGE OF ENGINEERING & TECHNOLOGY OU

S.NO	EVENTS	PAGE.NO
1	Vision and Mission	1
2	PEO/PO/PSO's	2
3	Message from the Governing Body	4
4	Department Achievements	5
5	Events Organized	5
6	Placements	9
7	Students Participations and Achievements	10
8	Faculty Achievements/ Rewards	11
9	Faculty Development Program	12
10	Books Published	15
11	Conference Publications	15
12	Patent Publications	16
13	Internships	17
14	MOU	17

1. Vision and Mission

Vision of the Institute:

To produce ethical, socially conscious and innovative professionals who would contribute to sustainable technological development of the society.

Mission of the Institute:

To impart quality engineering education with latest technological developments and interdisciplinary skills to make students succeed in professional practice.
To encourage research culture among faculty and students by establishing state of art laboratories and exposing them to modern industrial and organizational practices.

To inculcate humane qualities like environmental consciousness, leadership, social values, professional ethics and engage in independent and lifelong learning for sustainable contribution to the society.

Vision of the Department:

To become a leader in providing Computer Science and Engineering education with emphasis on knowledge and innovation.

Mission of the Department:

- To offer flexible programs of study with collaborations to suit industry needs.
- To provide quality education and training through novel pedagogical practices.
- To expedite high performance of excellence in teaching, research and innovations.
- To impart moral, ethical values and education with social responsibility.

2. PEO/PO/PSO's

PROGRAM EDUCATIONAL OBJECTIVES

After 3-5 years of graduation, the graduates will be able to

PEO1: Apply technical concepts, Analyze, synthesize data to Design and create novel products and solutions for the real life problems.

PEO2: Apply the knowledge of Computer Science Engineering to pursue higher education with due consideration to environment and society.

PEO3: Promote collaborative learning and spirit of team work through multidisciplinary projects

PEO4: Engage in life-long learning and develop entrepreneurial skills.

PROGRAM OUTCOMES

Engineering Graduates will be able to:

PO1. Engineering knowledge: Apply the basic knowledge of mathematics, science and engineering fundamentals along with the specialized knowledge of Computer Science and Engineering to understand complex engineering problems.

PO2. Problem analysis: Identify, formulate, design and analyze complex engineering problems using knowledge of science and engineering.

PO3. Design/development of solutions: Develop solutions for complex engineering problems, design and develop system components or processes that meet the specified needs with appropriate consideration of the public health and safety, and the cultural, societal, and environmental considerations.

PO4. Conduct investigations of complex problems: Formulate engineering problems, conduct investigations and solve using research-based knowledge.

PO5. Modern tool usage: Use the modern engineering skills, techniques and tools that include IT tools necessary for computer science engineering practice.

PO6. The engineer and society: Apply the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities during professional practice.

PO9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10. Communication: Communicate effectively on complex engineering activities to various groups, ability to write effective reports and make effective presentations.

PO11. Project management and finance: Demonstrate and apply the knowledge to understand the management principles and financial aspects in multidisciplinary environments.

PO12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in Independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES

At the end of 4 years, Computer Science and Engineering graduates at MCET will be able to:

PSO1: Apply the knowledge of Computer Science and Engineering in various **domains** like networking and data mining to manage projects in multidisciplinary environments.

PSO2: Develop software applications with open-ended programming environments**.**

PSO3: Design and develop solutions by following standard software engineering principles and implement by using suitable programming languages and platforms

3. Message from the Head of the Department



The Department was established in the year 2008 with an intake of 60 and subsequently enhanced to 120 in 2010. The present student strength is 300+ and faculty strength is 29. The department constitutes a group of energetic, experienced and well qualified faculty from industry and academia. The department houses state-of-the laboratories providing hands-on training and thus encouraging them to build major and minor projects. The alumni of the department are well placed in core companies and MNCs.The department instills quality education with holistic development.

The students are encouraged to train and update their technical skills through various in-house trainings, knowledge transfer workshops, value added courses and project exhibitions. They are motivated to improve their communication & written skills through special trainings, to participate in extra-curricular activities, sports etc. The students are continuously evaluated through internals and quizzes. The slow learners are monitored with much more care and hence are uplifted towards betterment.

The department emphasizes a student – centric and friendly learning environment by systematically balancing academics and activities. The Faculties and students always work in tandem in organizing the various college level activities and technical fests. The relentless efforts of the faculty have helped the department in earning a good name & fame in a short span of time.

4. Department Achievements

1. Department of CSE is accredited with NBA for three years from 2021.
2. Department has been sanctioned an amount of Rs.1,00,000(1 Lakh) towards a project under the SCHEME FOR PROMOTING INTEREST, CREATIVITY AND ETHICS(SPICES) among the students by AICTE.
3. Identified as **ACADEMIC CENTER** for Promoting the learning and usage of Free & Open-Source Software (FOSS), by **SPOKEN TUTORIAL, IIT MUMBAI.**
4. "New **computing facility and incubation centre for advanced and research**" labs inaugurated by **Dr.P.Laxmi Narayana, Registrar OU**,Hyderabad on 3rd July 2021.
5. The department has setup **SWAYAM - NPTEL local chapter** in collaboration with **MHRD, Govt of India.**
6. **MS Teams for Digital Learning, Hireme online tools** for the whole college for conducting online classes and examinations.

5. Events Organized

A one-day Workshop

On

"Real-time Applications of Hashing Techniques & Graphs"

A one-day Workshop On "Real-time Applications of Hashing Techniques & Graphs" was organized by the Department of CSE for B.E II Sem CSE, AI&DS Students on 11/08/2022.This workshop was conducted to make the students understand various Applications of Data Structures in real-time.



Banner of the Workshop



Dr. Syed Azhaad, Assoc. Professor, CSE Department welcomed the Resource Person.



Students of CSE,AI&DS II Semester



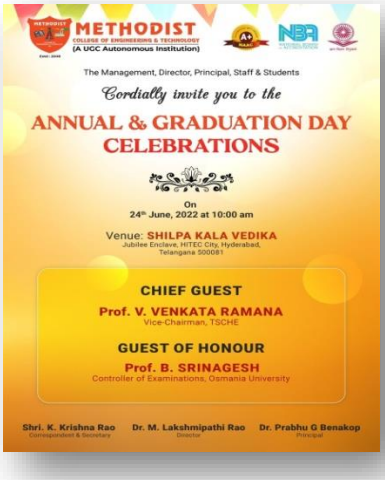




Around hundred and above students from all the sections have participated in the workshop. The Resource Person **Mr. Mujib Ur Rahman, Tech Lead, Thought Works** has explained the importance of Hashing technique, different types of Hashing, use of Graphs in real time applications.

Annual and Graduation Day Celebrations

MCET conducted Annual Day celebrations on 24th June 2022 at Shilpa Kala Vedika. The event was graced by the Chief Guest Prof. V. Venkata Ramana, Vice Chairman, TSCHE and the Guest of Honour Prof. B. Srinagesh, Controller of Examinations, Osmania University.



Banner of the Event









This event comprised of cultural events performed by the students from different departments. The students efforts made this event a grand success.







Graduation Day was organized for the passed out students.Top performers in academics were felicitated with the medals and certificate of appreciation.The management and Head of the Department have appreciated student's efforts and wished them for their better future.



6. Placements

S.No	Student Name	Roll No	Employee Name
1.	Manideep thogiti	160719733041	Associate Trainee, HCL &TCS
2.	Bure kavitha	160719733071	Associate Trainee, HCL
3.	S architha	160719733068	Associate Trainee, HCL
4.	Shivakoti vinay	160719733306	Associate Trainee, HCL
5.	Nakka leela krishna	160719733064	Associate Trainee, HCL
6.	Pulipati bhavani	160719733056	Associate Trainee, HCL
7.	Chennu ambica	160719733070	Associate Trainee, HCL
8.	Vutukotu aparna	160719733079	Associate Trainee, HCL
9.	A.devan	160719733302	Associate Trainee, HCL
10.	Mawani sunny	160719733001	Associate Trainee, HCL
11.	Birru sathwika	160710733058	Associate Trainee, HCL
12.	Maliga .sathvika	160719733076	Associate Trainee, HCL
13.	G.vijith pramod	160719733077	Associate Trainee, HCL
14.	Ramesh mudavath	160719733085	Associate Trainee, HCL
15.	Bharath reddy bayyaram	160719733087	Associate Trainee, HCL
16.	Kudikala sreelekha	160719733067	Associate Trainee, HCL
17.	Anandas soumya chitra	160719733026	Associate Trainee, HCL
18.	Ch. Pravisha	160719733013	Associate Trainee, HCL
19.	Sindhuja joginpally	160719733025	Associate Trainee, HCL
20.	Mohd sujath ahmed basha	160719733044	Associate Trainee, HCL
21.	Kandikanti rhea goud	160719733073	Associate Trainee, HCL
22.	Ramya duppalli	160719733020	Associate Trainee, HCL
23.	T sujith reddy	160719733096	Associate Trainee, HCL
24.	Dakshita paithara	160719733104	Associate Trainee, HCL
25.	Kaushik pabbu	160719733092	Associate Trainee, HCL
26.	Aila shreyas	160719733066	Associate Trainee, HCL
27.	Nikhil podishetty	160719733007	Associate Trainee, HCL
28.	Bobbala rohit reddy	160719733022	Associate Trainee, HCL
29.	M.sai pranav	160719733046	Associate Trainee, HCL
30.	P. Naveen	160719733091	Associate Trainee, HCL

31.	Yerram karthikeya	160719733035	Associate Trainee, HCL
32.	D.sai dikshit	160719733047	Associate Trainee, HCL
33.	Gaurav pawar	160719733102	Associate Trainee, HCL
34.	Anudeep aryepally	160719733011	Associate Trainee, HCL
35.	Mallam praharsha goud	160719733038	Associate Trainee, HCL
36.	Np jayalakshmi neha	160719733061	Associate Trainee, HCL
37.	M. Sai dhanush	160719733043	Associate Trainee, HCL
38.	D kiran	160719733080	Associate Trainee, HCL
39.	Pradeep Singh	160719733062	Assistant System Engineer-Trainee ,TCS

7. Students Achievements

S.NO	Name	Branch & Section	Achievements
1	Mr. M. Sai Dhanush (160719733043)	CSE-3A	Participated in Smart India Hackathon
2	Ms. AmimaShifa (160719733012)	CSE-3A	Participated in Smart India Hackathon
3	Mr. S. Karthik Kumar (160719733016)	CSE-3A	Participated in Smart India Hackathon
4	Manjrekar Dhruv Teja (160719733023)	CSE-3A	Participated in Smart India Hackathon
5	Mr. M. Sai Dhanush (160719733043)	CSE-3A	Participated in Smart India Hackathon
6	Aryepally Anudeep (160719733011)	CSE-3A	Participated in Smart India Hackathon
7	D.Sai Dikshit (160719733047)	CSE-3A	Participated in Smart India Hackathon
8	45 Students	IV &VI SEM students	Completed Cisco-Python Course

7.1 FOSSEE Certifications

S.No	Name of the Course	No. of Participants
1	Linux	113
2	R Programming	59

8. Faculty Achievements/ Rewards

1. **Dr. Lavanya Pamulaparty** is **SPOC** (Single Point Of Contact) for **SWAYAM- NPTEL local chapter.**
2. Ph.D awarded to Dr.U.Mouali for "**Microarray image Analysis using Multiple Feature based clustering techniques"** from Himalayan University, Itanagar.
3. Research Review Meeting for **Mr.Praveen Kumar, Mr.KrishnaMurthy** is successfully completed on 28th June 2022.
4. **Er. Sandeep Ravikanti** contributed as an Evaluator for Smart India Hackathon conducted in June 2022
5. **Er. Sandeep Ravikanti** has successfully completed PALO ALTO cyber security certification
6. **Mrs.Deepthi Joshi** has successfully completed PALO ALTO cyber security certification
7. **Mr.Shaik Rasool** has successfully completed PALO ALTO cyber security certification
8. **Mr. Shaik Rasool** has achieved NSE2 Network Security Associate Certification from Fortinet.
9. **Certification of Appreciation awarded to Dr. Lavanya Pamulaparty** for her Instrumental role in making the **Coursera for Corona Virus (C4CV) initiative a grand success.**
10. **Er.Sandeep Ravikanti** has been awarded as "**Expert Level Instructor excellence"** in recognition to his outstanding contributions to CISCO Networking Academy
11. **Mrs.Unnati Khanapurkar** has been awarded as "**Expert Level Instructor excellence"** in recognition to her outstanding contributions to CISCO Networking Academy
12. Mr. MVDS Krishnamurty has received Innovation Ambassador award from MoE, Govt of India.

9. Faculty Development Programme

9.1 FDPs/Seminars/STTPs attended by Faculty

S. No.	Name of the Faculty	Title of Event	Name of Organizer	Dates
1	Dr. Lavanya Pamulaparty	National Intellectual Property Awareness Mission	NIPAM	17/6/2022
2	Dr. G. Ravinder Reddy	National Intellectual Property Awareness Mission	NIPAM	17/6/2022
3	Dr. SharadaVaralakshmi.	National Intellectual Property Awareness Mission	NIPAM	17/6/2022
4	Mr. T Praveen Kumar	National Intellectual Property Awareness Mission	NIPAM	17/6/2022
5	Dr. Syed Azahad	National Intellectual Property Awareness Mission	NIPAM	17/6/2022
6	Dr. Diana Moses	National Intellectual Property Awareness Mission	NIPAM	17/6/2022
7	Mrs. Deepthi Joshi	Default is Digital Trends and Opportunities	BVICAM	4 June
8	Mrs. Deepthi Joshi	Pollution Mess:A Technological Solution	BVCIM	11 June
9	Mrs. Deepthi Joshi	Recent Trends in Cyber Security and Machine Learning	Shri Vishnu Engineering College for Women	1/6/22-5/6/22
10	Mrs. Deepthi Joshi	Recent Trends in IOT	MGIT	6/6/22-10/6/22
11	Dr.Shruthi SK	Current trends in Research & Innovation - Research Paper Publications-IPR & Patents-Research Projects & Fundraising	Collegiate Education & Technical Education,Govt. of Telangana,IAE	27/8/22-31/8/2022
12	Dr.Shruthi SK	National Intellectual Property Awareness Mission	NIPAM	17/6/2022
13	Mrs. J.Sowmya	National Intellectual Property Awareness Mission	NIPAM	17/6/2022

14	Mrs. J.Sowmya	Advanced Problem Solving on Machine Learning and Deep Learning	Institute of Aeronotical Engneering	25-04-2022to 30-04-2022
15	Mrs. J.Sowmya	Recent Trends in IOT	MGIT	6/6/22-10/6/22
16	Mrs. Vasavi Sravanthi Balusa	Importance of routing& switching concepts in Data communication-A close look	IETE	27-03-2022
17	Mrs. B.Sowjanya	National Intellectual Property Awareness Mission	NIPAM	17/6/2022
18	Mrs. G.Saritha	National Intellectual Property Awareness Mission	NIPAM	17/6/2022
19	Mrs. Vasavi Sravanthi Balusa	Recent Trends in IOT	MGIT	6/6/2022-10/6/2022
20	Mrs. Vasavi Sravanthi Balusa	The Emerging Era of Data Science	VIT, Jaipur	21/2/2022-25/2/2022
21	Mrs. J.Sowmya	Advanced Problem Solving on Machine Learning and Deep Learning	Institute of Aeronotical Engneering	25-04-2022to 30-04-2022
22	Mrs. Shaziya Jabeen	Default is Digital Trends and Opportunities	BVICAM	4 June
23	Mrs. Shaziyajabeen	Research in Digital Age: Problems and Opportunities	BVCIM	7 May
24	Mrs. Shaziya Jabeen	Webinar on Trends and Revolution in Mobile	BVICAM	23/4/2022
25	Mrs. Shaziya Jabeen	Pollution Mess:A Technological Solution	BVCIM	11 June
26	Mrs. Shaziya Jabeen	Cyber Security	CBIT	16/5/22-20/5/ 2022
27	Mrs. Shaziya Jabeen	Digital Humanities	BVICAM	26/3/2022
28	Mrs. Shaziya Jabeen	Advanced Problem -Solving using Machine Learning and Deep Learning	IARE	25/4/22-30/4/ 2022
29	Mrs. Shaziya Jabeen	Introduction to Block chain Technology & Applications	IETE	24/4/2022
30	Mrs. Shaziya Jabeen	Importance of Routing and Switching Concepts in Data Communication	IETE	27/3/2022
31	Mrs. Shaziya Jabeen	Recent Trends in Cyber Security and Machine Learning	Shri Vishnu Engineering College for Women	1/6/22-5/6/22
32	Mrs. Shaziya Jabeen	Recent Trends in IOT	MGIT	6/6/22-10/6/22

33	Mr. Shaik Rasool	Fog and Edge computing challenges& research direction	ATAL	25/9/21-29/9/21
34	Mr. Shaik Rasool	Cloud Forencics:Techniques, challenges& Research directions	ATAL	18/10/2021-22/10/2021
35	Mr. Shaik Rasool	Current Trends in Research & Innovation	IAE	27/8/21-31/8/2021
36	Mr. Shaik Rasool	Default is Digital Trends and Opportunities	BVICAM	4 June
37	Mr. Shaik Rasool	Research in Digital Age: Problems and Opportunities	BVCIM	7 May
38	Mr. Shaik Rasool	Webinar on Trends and Revolution in Mobile	BVICAM	23/4/2022
39	Mr. Shaik Rasool	Pollution Mess:A Technological Solution	BVCIM	11 June
40	Mr. Shaik Rasool	Cyber Security	CBIT	16/5/22-20/5/ 2022
41	Mr. Shaik Rasool	Digital Humanities	BVICAM	26/3/2022
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45	Mr. Shaik Rasool	Recent Trends in Cyber Security and Machine Learning	Shri Vishnu Engineering College for Women	1/6/22-5/6/22
46	Mr. Shaik Rasool	Recent Trends in IOT	MGIT	6/6/22-10/6/22
47	Mr. D.Rajsekhar	National Intellectual Property Awareness Mission	NIPAM	17/6/2022
48	Mr. P.V.Ramanaiah	National Intellectual Property Awareness Mission	NIPAM	17/6/2022
49	Mr. A.Rajesh	National Intellectual Property Awareness Mission	NIPAM	17/6/2022



10. Books Published

S.No	Name	Title	ISBN	Name of Publisher	Year of Publication
1.	Dr Diana Moses	Concepts of computational intelligence using machine learning	978-93-92537-28-8	Bonfring	2022
2.	Dr Diana Moses	Software process and project management	978-93-5611-537-8	BlueRose One publishers	2022

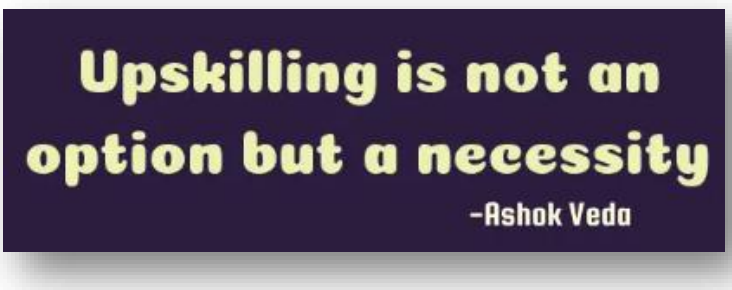
11. Conference Publications

S. No.	Name of Author	Title of Paper	Name of Conference	International/ National
1.	Dr. Diana Moses	Smart Metering for smart home area network	IEEE 4TH International Symposium in ROMA	International
2.	Dr.Shruthi SK	A Novel Twitter Sentimental Analysis Approach using Naive Bayes Classification	7th International Conference on Information System Design and Intelligent Applications(Springer)	International
3.	Mrs. Unnati Khanapurkar	Heart Disease Prediction in Healthcare Communities by Machine Learning Over Big data	7th International Conference on Information System Design and Intelligent Applications	International
4.	Er Sandeep ravikanti	False News Recognition Using Machine Learning	1st International Conference on Applied Mathematics,modeling and simulation in Engineering(AMSE 2-21)	International
5.	Mrs. J.Sowmya	False News Recognition Using Machine Learning	1st International Conference on Applied Mathematics,modeling and simulation in Engineering(AMSE 2-21)	International



12. Patent Publications

S.No	Name of faculty	Title of the Working Models/Products
1	Dr. M. Sharada Varalakshmi	AN AI BASED FRAMEWORK FOR REALIZING AHUMAN EMOTION RECOGNIZING SYSTEM
2	Dr Diana Moses	AUTHENTICITY AND SECURITY FOR CRITICAL AND IMPORTANT DATA STORAGE USING BLOCKCHAIN
3	Dr. Syed Azahad	AN IOT EQUIPMENT BASED SECURED CLOUD NETWORK COMMUNICATION METHOD
4	Dr. Syed Azahad	A SYSTEM FOR PRIVACY-PRESERVING MEDICAL RECORD SEARCHING ENGINE FOR AN ARTIFICIALLY INTELLIGENT BASED DIAGNOSIS IN IOT HEALTHCARE
5	Dr. Syed Azahad	A NOVEL METHOD OF DETECTING IOT MALWARE USING DEEP LEARNING
6	Dr. Syed Azahad	A SERVER UPDATION METHOD AND SYSTEM USING IOT ENVIRONMENT
7	Dr. Syed Azahad	REAL TIME AGRICULTURE FIELD MONITORING SYSTEM USING IOT
9	Dr. Syed Azahad	IMPROVE LEARNING POSSIBILITIES USING BLOCK CHAIN & AI
11	Dr. Syed Azahad	SMART PARKING SYSTEM USING AI OF THINGS (AIOT)
18	VasaviSravanthiBalusa	SUPPLY CHAIN COORDINATION IN THE INTERNET OF THINGS FOR FRESH AGRICULTURAL PRODUCTS



13.Internships

A.Y	Name of the Company	No. Of Students
2021-2022	Altimetrik India Private Limited	4
	Apps Associates	2
	Aspire Systems	1
	AtoS	1
	Capgemini	5
	HCL	3
	Hexaware	2
	Infor(India) Private Limited	1
	Infosys	1
	Inno minds	2
	L&T Technology Services	4
	Mindtree	1
	Mphasis	3
	Popcorn	1
	Raukten	5
	STIC Soft E-Solutions Private Limited	1
	TA Digital	3
	TCS	5
	Turing Minds	7
	Vistex Asia-Pacific Pvt.Ltd.	1
	Wipro	5
	Zopsmart	1
TOTAL		**59**

13.1 Internships Organized

S. No.	Name of Faculty	No of Students	Name of the Organization / Company	Class	Dates	Duration	Academic Year
1	Er Sandeep R	44	CISCO VIP	VI SEM	April to June 2022	3 months	2022-23

14. Memorandum of Understanding

S.No	Name of Organization	Location
1	Osmania Technology Business Incubator (OTBI)	Hyderabad
2	AI-SHALA Technologies Pvt. Ltd.	New Delhi
3	Sales force	Hyderabad
4	Robotic Process Automation	Hyderabad
3	Centre of Academic Excellence (Dell EMC)	Hyderabad

4	Cisco Networking Academy (CISCO)	Hyderabad
5	Oracle Workforce Development (OWFD)	Hyderabad
6	Computer Society of India (CSI)	Hyderabad
7	ICT Academy (ICT)	Chennai
8	Spoken Tutorials (IIT Mumbai)	Mumbai
9	Telangana Academy for Skill and Knowledge (TASK)	Hyderabad
10	SUSI	Hyderabad

