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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY OU

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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 engineering to understand complex engineering problems.

PO2. Problem analysis: Identify, formulate, design and analyze complex computer science 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 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 initial intake of 60, which was subsequently enhanced to 120 in 2010. Currently, the department offers B.E. programs in CSE, AI&DS, and CSE (AI & ML), each with an intake of 180 students. Additionally, the department offers B.E. Honours and Minors in AI & ML, equipping students with cutting-edge skills to meet industry demands.

The department constitutes a group of energetic, experienced, and well-qualified faculty from industry and academia. The department houses state-of-the-art 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 emphasises a student-centric and friendly learning environment by systematically balancing academics and activities. The faculties and students always work in tandem in organising the various college-level activities and technical fests. The relentless efforts of the faculty have helped the department earn a good name & fame in a short span of time.

With a vision to nurture future-ready technologists, the Department of Computer Science & Engineering continues to innovate, inspire, and lead in the fields of AI, ML, and computer science.

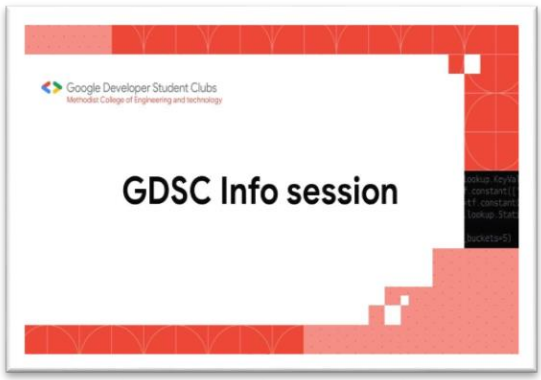
4. Department Achievements

1. Department of CSE is accredited with NBA for three years from 2021.
2. Center for Artificial Intelligence Lab was inaugurated by Prof D Ravinder - Vice Chancellor of Osmania University, Hyderabad; Guest of Honor Prof P V Sudha - Director, CoE, AI & ML, under RUSA 2.0, Dean, Faculty of Informatics at Osmania University, Hyderabad and Dr Lavanya Pamulaparthy - Prof & Head, CSE, MCET On December 3rd 2022.
3. 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.
4. Identified as **ACADEMIC CENTER** for Promoting the learning and usage of Free & Open-Source Software (FOSS), by **SPOKEN TUTORIAL, IIT MUMBAI.**
5. "New **computing facility and incubation centre for advanced and research**" labs inaugurated by **Dr.P. Laxmi Narayana, Registrar OU**, Hyderabad on 3rd July 2021.
6. The department has setup **SWAYAM - NPTEL local chapter** in collaboration with **MHRD, Govt of India.**
7. **MS Teams for Digital Learning, Hireme online tools** for the whole college for conducting online classes and examinations.

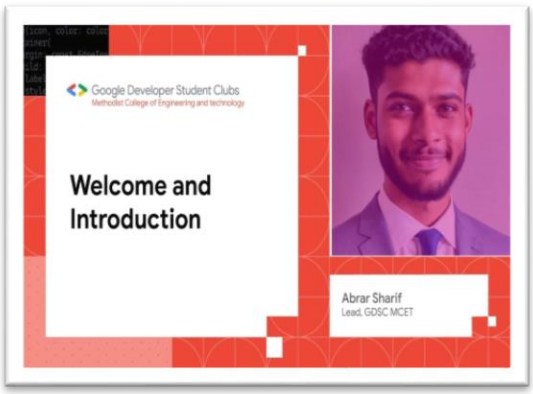
5. Events Organized

GDSC Inaugural Session

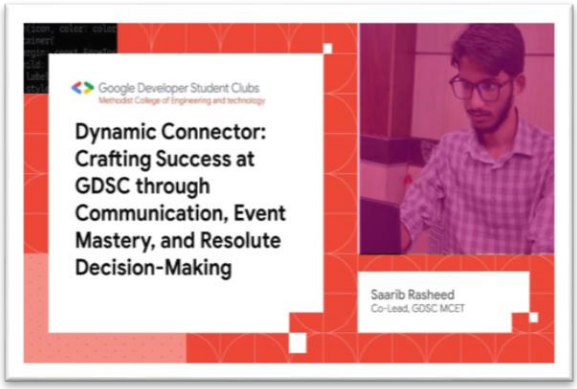
An online session on GDSC MCET 2024 was conducted on 27th June 2023. The Info Session commenced with an introduction to GDSC, providing attendees with a comprehensive understanding of what GDSC represents. Following this introduction, the core team members were introduced, with each domain elaborating on their respective goals and visions for the upcoming year.The Info Session successfully accomplished its objectives of introducing GDSC MCET 2024, familiarizing attendees with the core team and their respective domains, and providing practical insights into building a compelling LinkedIn profile. The interactive nature of the event fostered engagement among participants, setting a positive tone for the upcoming activities planned by GDSC MCET in the academic year 2024.



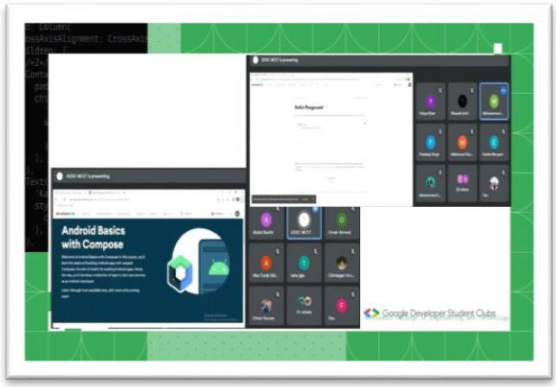
GDSC Info Session 2024



Mr. Abrar, Lead GDSC MCET.



Mr. Saarib Rasheed, Co-Lead, GDSC MCET.



Session on Android Basics with Compose.

6. Placements

Year	Total Students	Total students placed	Placement Percentage	Major Recruiters
2023-2024	190	64	34%	Savantis,Kalgudi Digital,,Excel R,UST Global,Salesforce

Archana Chintagari, a talented student of our AI & DS department has secured a prestigious position as a **SoftwareEngineeratSalesforce** with an impressive package of 9.0 LPA.





7. Students Achievements

S.NO	Name	Branch & Section	Achievements
1.	Mohammed Uzair	CSE VI A	CISCO Devnet Associate
2.	Mohammed Uzair	CSE VI A	CISCO Networking Essentials.
3.	Nelluri Sai Mani Kishore	AI&DS VIA	CISCO Networking Essentials.
4.	Nelluri Sai Mani Kishore	AI&DS VI A	CISCO Devnet Associate
5.	Nelluri Sai Mani Kishore	AI&DS VI A	CISCO Cybersecurity Essentials
6.	Nelluri Sai Mani Kishore	AI&DS VI A	CISCO Introduction to Cybersecurity
7.	Vempati Sushma	AI&DS VI A	CISCO Devnet Associate
8.	Kaustubh Reddy Surasani	AI&DS VI A	CISCO Devnet Associate
9.	Devanssh Rajhu	AI&DS VI A	CISCO Devnet Associate
10.	Bale Sharwani	AI&DS IV A	CCNA v7 Introduction to Networks
11.	Mohammed Yousuf Hussain	AI&DS IV A	CCNA v7 Introduction to Networks
12.	Karnakota vignesh goud	AI&DS IV A	CCNA v7 Introduction to Networks
13.	Gummadi Snehith	AI&DS IV A	CCNA v7 Introduction to Networks
14.	Syed Abdus Sami Mujtaba	AI&DS IV A	CCNA v7 Introduction to Networks
15.	Sabina Amreen	AI&DS IV A	CCNA v7 Introduction to Networks
16.	Keshetty Ramya Sri	AI&DS IV A	CCNA v7 Introduction to Networks
17.	Kanetekar omlal	AI&DS IV A	CCNA v7 Introduction to Networks
18.	Syed Nazeer Ahmed	AI&DS IV A	CCNA v7 Introduction to Networks
19.	Syed Nazeer Ahmed	AI&DS IV A	Workshop on design at Startup summit
20.	Mohammed Abdul Muqtadir	AI&DS IV A	Cisco Networking Essentials
21.	Mohammed Abdul Muqtadir	AI&DS IV A	Ask Questions to Make Data-Driven Decisions
22.	Mohammed Abdul Muqtadir	AI&DS IV A	CISCO Cybersecurity Essentials

23.	Mohammed Abdul Muqtadir	AI&DS IV A	Prepare Data for Exploration
24.	Mohammed Abdul Muqtadir	AI&DS IV A	Foundations: Data, Data, Everywhere
25.	Mohammed Abdul Muqtadir	AI&DS IV A	Process Data from Dirty to Clean
26.	Mohammed Abdul Muqtadir	AI&DS IV A	CCNA v7 Introduction to Networks
27.	Mohammed Muntajibuddin	AI&DS IV A	CCNA v7 Introduction to Networks
28.	Mohammed Karab Ehtesham	AI&DS IV A	CISCO Cybersecurity Essentials
29.	Mohammed Karab Ehtesham	AI&DS IV A	Introduction to Cybersecurity
30.	Mohammed Karab Ehtesham	AI&DS IV A	CCNA v7 Introduction to Networks
31.	Mohammed Karab Ehtesham	AI&DS IV A	Cisco Networking Essentials
32.	G. Sai Varshith	AI&DS IV B	CCNA v7 Introduction to Networks
33.	G. Sai Varshith	AI&DS IV B	Introduction to Cyber Security
34.	G. Sai Varshith	AI&DS IV B	Cybersecurity Essentials
35.	Najeebuddin Khaja	AI&DS IV B	IBM Skills Build Big Data
36.	Najeebuddin Khaja	AI&DS IV B	IBM Skills Build Hadoop
37.	Mohammed Abrar Ali	CSE IV B	Web Developer Workshop by Microsoft Learn.
38.	Mohammed Abrar Ali	CSE IV B	Introduction to Cybersecurity
39.	Mohammed Abrar Ali	CSE IV B	CISCO Networking Essentials
40.	Mohammed Abrar Ali	CSE IV B	CISCO Cybersecurity Essentials
41.	Belure Sanket	CSE IV B	CCNA v7 Introduction to Networks
42.	Belure Sanket	CSE IV B	Introduction to Cybersecurity
43.	Belure Sanket	CSE IV B	CISCO Cybersecurity Essentials
44.	Belure Sanket	CSE IV B	Learn Java by CodeChef
45.	Belure Sanket	CSE IV B	Learn HTML/CSS by CodeChef
46.	Chintala Sagarika	CSE IV B	Introduction to Cybersecurity
47.	Chintala Sagarika	CSE IV B	CISCO Cybersecurity Essentials
48.	Meghana Kadimi	CSE IV B	Introduction to Cybersecurity
49.	Meghana Kadimi	CSE IV B	CISCO Cybersecurity Essentials
50.	Robin Thomas Antony	CSE IV A	Goldman Sachs Software Engineering Virtual Experience Program
51.	Robin Thomas Antony	CSE IV A	CCNA v7 Introduction to Networks

8. Faculty Achievements/ Rewards

1. **Dr. Lavanya Pamulaparty** is **SPOC** (Single Point Of Contact) for **SWAYAM- NPTEL local chapter.**
2. **Certification of Appreciation awarded to Dr. Lavanya Pamulaparty** for her Instrumental role in making the **Coursera for Corona Virus (C4CV) initiative a grand success.**
3. **Mrs.Unnati Khanapurkar** has been awarded as "**Expert Level Instructor excellence"** in recognition to her outstanding contributions to CISCO Networking Academy.
4. Mr. MVDS Krishnamurty has received Innovation Ambassador award from MoE, Govt of India.
5. Ph.D awarded to Dr.Saritha from GITAM University entitled **" A Novel Design of Chaapche and Wolf based wide Dansing System Techniques to Enhance the Security for the Hadoop Application in Bigdata**".
6. Dr. SK.Shruthi was the resource person for the STTP on "**AI&ML for Internet of Things**" organized by IETE, Pune from 1/8/2023 to 30/8/2023.
7. Mr. Shaik Rasool has received **Certificate of Excellence from Researcher Academy.**

8.1 NPTEL Certifications

S.No	Name of the Faculty	Name of the Course	Certificate
1	Mr. Venkatram Vennam	A Joy of computing using python	Elite
2	Mrs. K. Keerthi	A Joy of computing using python	Elite
3	Mrs. A.Sowjanya	A Joy of computing using python	Elite
4	Mrs. Harika	Python for Data Science	Elite
5	Ms. Sana Mateen	A Joy of computing using python	Elite Gold+Topper 2%

8.2 Student's NPTEL Certification

S.No	Name of the Student	Name of the Course	Certificate
1	Dupthala Bharath Kumar	Programming in Java	Elite

9. Faculty Development Programme

9.1 FDPs attended by Faculty

S.No.	Name of the faculty	Name of the FDP	Date of the FDP
1.	Dr Diana Moses	DST Sponsored Three weeks Women Entrepreneurship Programme on Empowering Entrepreneurship for Health, Food and Technology Innovation	28.8.2023 – 15.9.2023
2.	Mrs. J. Sowmya	Inculcating Universal Human Values in Technical Education	31.08.2023-02.09.2023

10. Journal Publications

Title of paper	Author(s)	Journal name	Volume	Page numbers	Publication date	Impact factor
Secure Internet of Thing based data communication in blockchain model using novel teaching-learning optimized fuzzy approach	Dr. Diana Moses	Transactions on Emerging Telecommunications Technologies	Vol 34 : e4793, pp 1-16	pp 1-16	2023	2.5

11. Internships and Training Programs

Program Name	Description	Duration	Companies Involved	Number of Students
Talentio CRT	CRT Program	1 year	Talentio Pvt.Ltd.	551
Internship	Internship with Syllogistics AI	3 months	Syllogistics AI	8
Salesforce Internship	Internship with Salesforce Internship	6 months	Salesforce	1
Internship	Internship at Tericsoft Technology	3 months	Tericsoft Technology	1

12. 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
11	Ulektz Solutions Pvt.Ltd	Hyderabad

