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CSE BYTES

NEWSLETTER 2022-2023

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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 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. Center for Artificial lntelligence 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

A

Three Days Annual Event

On

Metheric Utsav

A Three Day Annual Event "Metheric Utsav" was organized by the management for all the students on "27th, 28th & 29th April-2023".



Banner of Metheric Utsav



Banner of CSE Department Events



Banner of AI&DS Events

Global Design Thinking Ideathon was organized on 27th April 2023. Ideathon is a competitive event organized by I-Medha Technology Business Incubator (TBI), MCET that tests the analytical, innovation and problem-solving skills. Total 50 students have participated in the event from both the Departments and outside colleges.



Banner of Ideathon Event

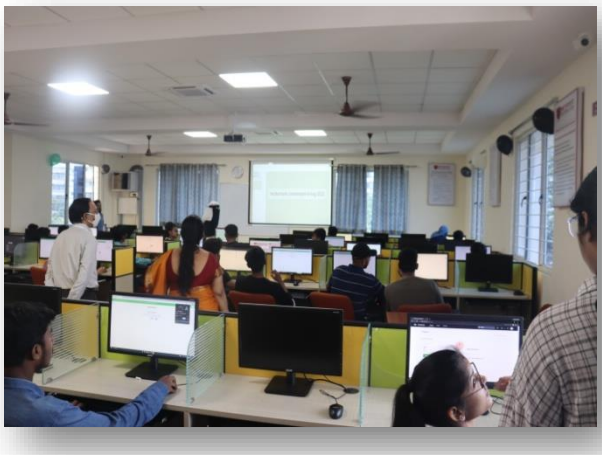


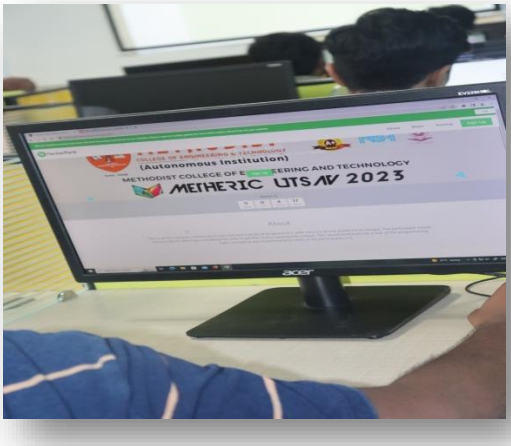
A coding contest "Smack d Bug" was organized on 27th April 2023 for all the B.E Students to inculcate problem solving skills. Around 60 and above students participated in the event making it a grand success. Mr. Bilal Uddin ,Mr.Saad and Mr. Faizan Mohammed were selected as top 3 performers.



A contest on Solving SQL Queries "Break The Query" was organized for inculcating problem solving skills amongst students. Around 40 plus students have participated in the event.

Glimpse of the Events:






METHODIST
METHODIST COLLEGE OF ENGINEERING AND TECHNOLOGY
METHERIC UTS/AV 2023
Department of Artificial Intelligence & Data Science (AI&DS)
Welcome to
Shot on OnePlus
Powered by Quad Camera
28/04/23
11:49 am

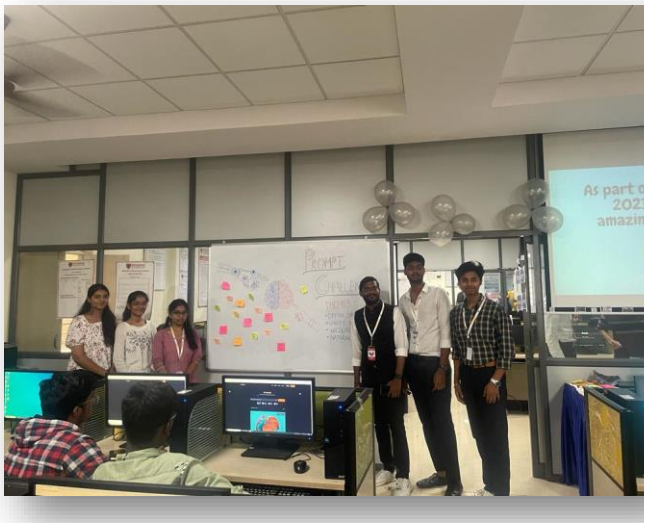

METHODIST
METHERIC UTS/AV 2023
Department of Artificial Intelligence & Data Science (AI&DS)
Welcome to


METHODIST
METHERIC UTS/AV 2023
Department of Artificial Intelligence & Data Science (AI&DS)
Welcome to
SMACK-D-BUG
Shot on OnePlus
Powered by Quad Camera
28/04/23
11:52 am













More than ten events both Technical and Non Technical were organized by the department for all the students of B.E. All the students have interactively participated in the events and made it a grand success.



A

Two Days Hands-on Workshop

On

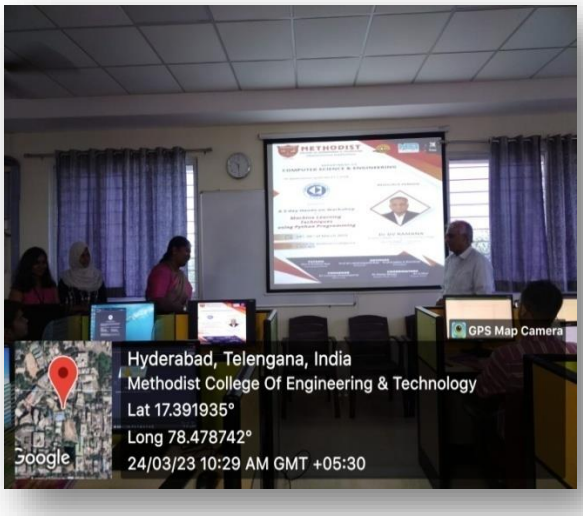
Machine Learning Techniques using Python Programming

A Two Days Hands-On Workshop on "Machine Learning Techniques using Python Programming" was organized by the Department of CSE in Association with MCET CSISB from 24th March 2023 to 25th March 2023.

This workshop was organized for all B.E VI Semester CSE and AI&DS students to enhance their technical skills and to provide the idea of Machine learning and it's applications in the real world.



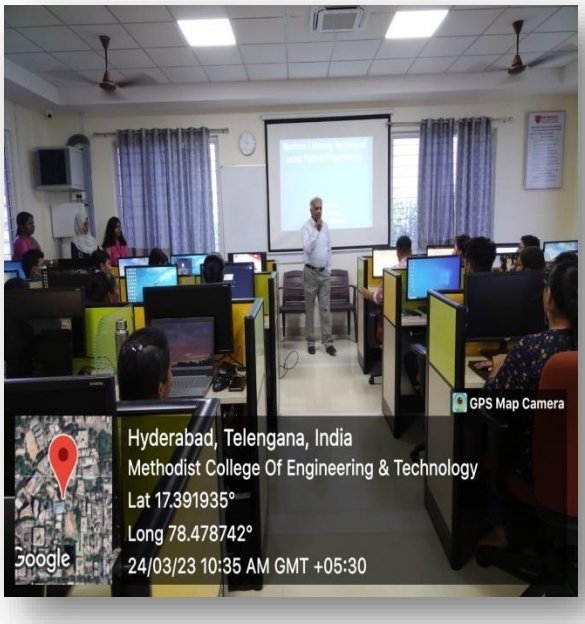
Banner of the Workshop on "Machine Learning Techniques using Python Programming"

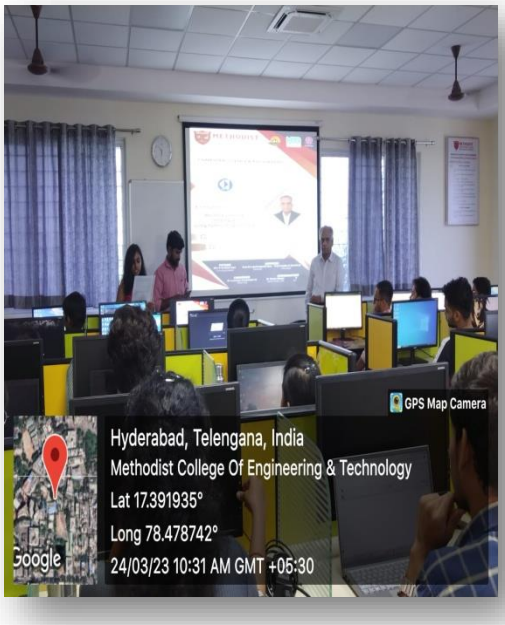


Dr. Diana Moses, Assoc. Professor, CSE Department welcomed the resource person.

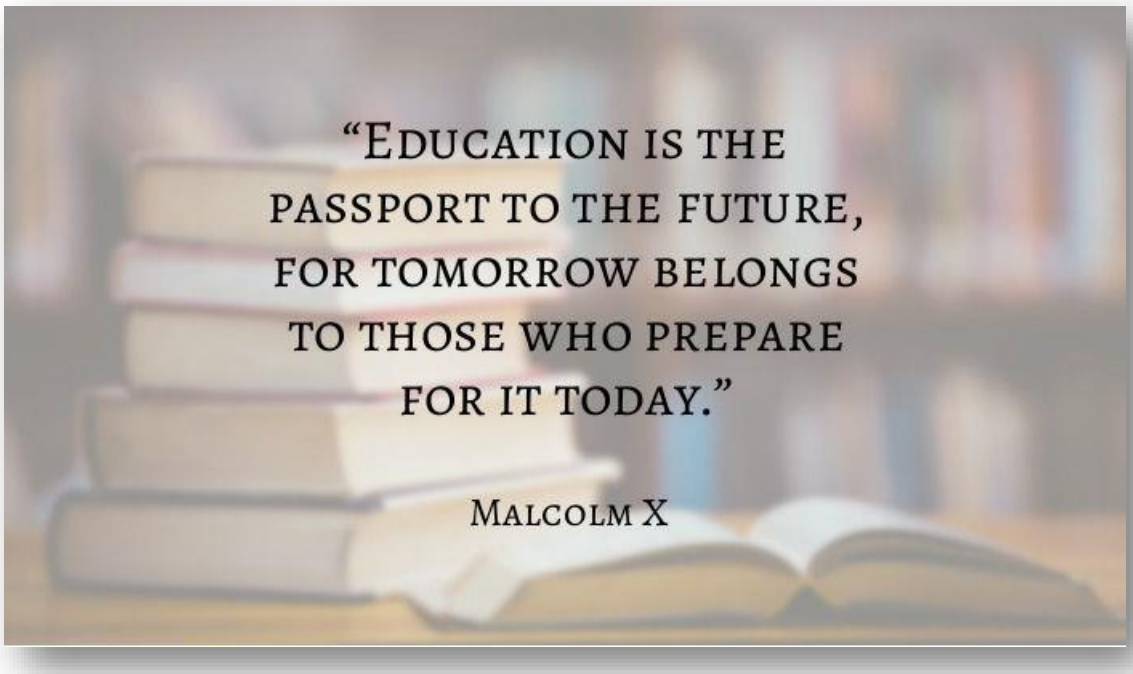


Dr. D.V Ramana teaching the importance of Machine Learning.





All the students have interactively particpated in the workshop to make it a remarkable success.



6. Placements

S.No	Company Name	Package	Total Students Selected
1	Q Spider	4-6 LPA	8



7. Students Achievements

S.NO	Name	Branch & Section	Achievements
1	Sirnam Karthik Kumar Amima Shifa Bobbala Rohit Reddy	CSE-4A	First Prize in Ideathon Metheric Utsav
2	Mohammed Uzair	CSE-3A	Python Fundamentals and Programming Certificate
3	Mohammed Uzair	CSE-3A	Azure AI Fundamentals Certification
4	Uthkarsh Jaiswal	CSE-3A	Python 3.4.3 FOSSEE Certification
5	Asfaan Hussain	CSE-3A	Python 3.4.3 FOSSEE Certification
6	MD Misbahuddin Moiz	AI&DS-3A	Python 3.4.3 FOSSEE Certification
7	Manideep Kesham	AI&DS-3A	Python 3.4.3 FOSSEE Certification
8	Syed Khalid Tipu Razvi	CSE-3B	Certificate of Appreciation for GDSC Extended Core Team Member
9	Mohammed Abdul Muqtadir	AI&DS-2A	Ask Questions to make Data Driven Approach
10	Mohammed Karab Ehtesham	AI&DS-2A	Know the OS Certification Course
11	Syed Mohammed Musharraf	CSE-2B	Won Gold Medal for OU Inter College Best Physique Championship

12	Syed Maaz Ahmed,Mohammad Muntajib,Syed Nazeer Ahmed.	AI&DS-2A	Third Prize in Ideathon Metheric Utsav
13	Mohammed Abdul Muqtadir	AI&DS-2A	Participated in Smack-d-bug event of Metheric Utsav
14	Mohammed Karab Ehtesham	AI&DS-2A	Participated in Smack-d-bug event of Metheric Utsav
15	Sai Varshith	AI&DS-2B	Participated in Smack-d-bug event of Metheric Utsav
16	Arshipuram Liharika	CSE-2A	Participated in Web Campaign Workshop organized by GDSC
17	Mohammad Hassan Farukh Faizan	AI&DS-2A	Secured third prize in Smack-d-Bug event
18	Mohammad Hassan Farukh Faizan	AI&DS-2A	Participated in Ideathon

7.1 Students Idea in Ideathon

S.No	Name of the Student	Idea
1	**Sirnam Karthik Kumar** (160719733016) **Amima Shifa** (160719733012) **Bobbala Rohit Reddy** (160719733022)	A Deep Learning Approach for the Detection of Neovascularization in Fundus Images Using Transfer Learning
2	**Syed Maaz Ahmed,Mohammad Muntajib,Syed Nazeer Ahmed.**	Smart Agriculture

7.2 FOSSEE Certifications

S.No	Name of the Course	No. of Participants
1	Python - Python 3.4.3	54
2	Python - Python 3.4.3	106
3	Git	89

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. **Er.Sandeep Ravikanti** has been awarded as "**Expert Level Instructor excellence"** in recognition to his outstanding contributions to CISCO Networking Academy
4. **Mrs.Unnati Khanapurkar** has been awarded as "**Expert Level Instructor excellence"** in recognition to her outstanding contributions to CISCO Networking Academy
5. Mr. MVDS Krishnamurty has received Innovation Ambassador award from MoE, Govt of India.
6. 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.

8.1 NPTEL Certifications

S.No	Name of the Faculty	Name of the Course	Certificate
1	Mr. VenkatramVennam	Discrete Mathematics	Successfully Completed
2	Ms. Sana Mateen	Ethical Hacking	Elite Certificate

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. LavanyaPamulaparthy	Capacity Building	09.03.2023-10.03.2023
2.	Dr. G.Ravinder Reddy	Capacity Building	09.03.2023-10.03.2023
3.	Dr. M Sharada Varalakshmi	Capacity Building	09.03.2023-10.03.2023
4.	Dr. T .Praveen kumar	Capacity Building	09.03.2023-10.03.2023
5.	Dr Diana Moses	Capacity Building	09.03.2023-10.03.2023

6.	Dr. Syed Azahad	Capacity Building	09.03.2023-10.03.2023
7.	Dr. U. Moulali	Capacity Building	09.03.2023-10.03.2023
8.	Dr.G.Saritha	Capacity Building	09.03.2023-10.03.2023
9.	Dr.Shruthi S. K	Capacity Building	09.03.2023-10.03.2023
10	Dr. RamakantaMohanty	Capacity Building	09.03.2023-10.03.2023
11	Mrs. Unnati Mohan Kanapurkar	Capacity Building	09.03.2023-10.03.2023
12	Mrs. B Sowjanya	Capacity Building	09.03.2023-10.03.2023
13	Mr. M V D S Krishna Murty	Capacity Building	09.03.2023-10.03.2023
14	Mr. Ravikanti Sandeep	Capacity Building	09.03.2023-10.03.2023
15	Mrs.J Sowmya	Capacity Building	09.03.2023-10.03.2023
16	Mr. Shaik Rasool	FDP on Recent Advances in Data Science, Data Analytics and Cyber Security	01 May 2023 to 05 March 2023
17	Mr. Shaik Rasool	Machine Learning	27.03.2023-02.04.2023
18	Mr. Shaik Rasool	BLOCK CHAIN	20.03.2023-24.03.2023
19	Mr. Shaik Rasool	AI and ML for image analysis	08.05.2023-13.05.2023
20	Mr. K.Uday Kumar	Capacity Building	09.03.2023-10.03.2023
21	Mrs. ChadaSravanthi	Capacity Building	09.03.2023-10.03.2023
22	Mrs. Vasavi sravanthi B	Capacity Building	09.03.2023-10.03.2023
23	Ms. Annabathula Lalitha	Capacity Building	09.03.2023-10.03.2023
24	Mr.Venkatram Vennam	Capacity Building	09.03.2023-10.03.2023
25	Ms. MalekaAnjum	Capacity Building	09.03.2023-10.03.2023
26	Mrs.A Sowjanya	Capacity Building	09.03.2023-10.03.2023
27	Mr. A.SenthilKumar	Capacity Building	09.03.2023-10.03.2023

28	Mrs.K Keerthi	Capacity Building	09.03.2023-10.03.2023

10. STTPs/ Seminar/Workshops attended

S. No.	Name of the Faculty	Name of the Workshop/STTP	Date
1.	Dr.Shruthi SK	Python Programming Power BI and Tableau for AI	29.05.2023-02.06.2023
2.	Dr. Syed Azahad	Statistical Analysis Using Python	06.03.2023-11.03.2023
3.	Mr. Shaik Rasool	Workshop on Statistical Analysis using Python	06.03.2023-11.03.2023
4.	Mr. Shaik Rasool	Intellectual property Rights and IP management for start-up	24.03.2023
5.	Mrs. Vasavi sravanthi B	Webinar on "NEP-2020 Implementation Plan: Integrated Higher Education System"	13.03.2023
6.	Mrs. Vasavi sravanthi B	“Emotional Intelligence in the Educational System"	02.02.2023
7.	Mrs. Vasavi sravanthi B	Statistical Analysis Using Python	06.03.2023-11.03.2023

10.1 Journal Publications

S.No	Faculty Name	Title of the Paper	Name of the Journal	ISSN / ISBN No
1.	Mr. Krishna Murty M V D S	Neighbour Node Ratio AODV (NNR-AODV) Routing Protocol for Wormhole Attack Detection in Manets	IJESE	2319-6378

10.2 Book Chapters

S. No.	Faculty Name	Title of Book	Publisher Name	ISBN	Year of Publication
1	Mr. D.Rajashekar	A Tuned Stacking Algorithm to detect skin cancer using Multi Classification Algorithm.	Springer	978-981-19-9989-5_8	2023

11. Internships

A.Y	Name of the Company	No. Of Students
2022-2023	MU SIGMA	7
	SALESFORCE	2
	SUREIFY LABS TECHNOLOGY PVT LTD	1
	PLANETSPARK	1
	TTEC DIGITAL	10
	KYNDRYL-IBM	4
	TECH MAHINDRA	4
	ALIGHT SOLUTIONS	8
	STIC SOFT SOLUTIONS PVT LTD	2
	Q SPIDERS	8
	ZENTREE LABS	2
	TCS	2
	HCL	38
	CONNX COMMUNICATIONS PRIVATE LIMITED	1
TOTAL		**90**



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

