
BVRIT HYDERABAD
College of Engineering For Women
(Approved by AICTE ,Hyderabad)
Plot No. 8-5/4, Gandhi Nagar Colony, Nizampet Rd, Bachupally, Hyderabad-500090
ACCREDITED BY NAAC WITH GRADE : "A" , ACCREDITED BY NBA , NIRF RANKING BAND : 201-250
Department of CSE(AIML)
Jun 2023
XPLORE AIML
XPLORE AIML
Volume -3 Issue-1
AJAX
HTML
MySQL
CSS
JS
Microsoft .NET
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NEWSLETTER: July 2023 TO Dec 2023

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DEPARTMENT OF CSE(AIML)

MESSAGE FROM HOD

Greetings from the Department of CSE(AI&ML), BVRIT HYDERABAD College of Engineering for Women. It gives me immense pride and pleasure to lead the Department of CSE(AI&ML). The primary goal of the department is to create Women Technological Leaders of Tomorrow. It molds students into an individual with strong problemsolving and critical thinking skills to create innovative solutions for new challenges in science and technology. Department has excellent infrastructural and computing facilities that provide a conduciveenvironment to promote academic and research excellence in the department. The highly qualified, immensely diligent, and experienced faculty is continuously involved in developing the skill set of thestudents of the department. The department strives to impart knowledge and hands-on training of the highest standard ranging from fundamentals of Computer Science, programming, core courses, and emerging areas like Artificial Intelligence, Machine Learning, Internet of Things, Data Analytics, Cyber Security, Open-Source Technologies, etc. For the overall development of students, the department of CSE is associated with memberships of professional bodies such as ACM, CSI, TechBlitz and coding platforms e-Lab, Hackers Bay, CodeChef, Hackerrank and Coding clubs, etc. The department is always on its toes to provide an excellent platform through Mentorship, Internship,hobby projects, workshops, industrial visits for the passionate students to inculcate the zeal to learn new things and do something beyond their academics. Since the industry keeps evolving with new technologies, we ensure to keep up with the outside corporate world and impart knowledge amongst our beloved future technocrats!

I extend my warm wishes to all promising engineers of CSE(AI&ML).

Dr. B Lakshmi Praveena
Professor & HoD,
CSE(AI&ML)

Institute Vision

To emerge as the best among the institutes of technology and research in the country dedicated to the cause of promoting quality technical education.

Institute Mission

At BVRITH, we strive to

- Achieve academic excellence through innovative learning practices.
- Enhance intellectual ability and technical competency for a successful career.
- Encourage research and innovation.
- Nurture students towards holistic development with an emphasis on leadership skills, life skills, and human values.

Department Vision

Produce competent technocrats, researchers, and entrepreneurs in Artificial Intelligence & Machine Learning to build an ecosystem that significantly contributes to the national.

Department Mission

M1: To impart skills through various learning methodologies and value-added courses to be technically competent.

M2: To build the research culture through participations in innovative projects and publications

M3: To inculcate ethics, leadership skills, life skills and lifelong learning

M4: To expose the students to real time environment by internships and mentorships through collaborations with industries and premier institutions.

Program Educational Objectives (PEOs)

PEO-1: Adapt emerging technologies to contribute to the technical innovations for the progressive development in their respective fields.

PEO-2: Productively engage in multidisciplinary research areas by applying the basic principles of engineering sciences.

PEO-3: Demonstrate strong technical skills to bring out novel designs/products to address social & environmental issues.

PEO-4: Exhibit professional attitude, teamwork and practice code of ethics

Program Outcomes (POs)

Engineering Graduates will be able to:

1. **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis**: Identity, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis, and interpretation of data, and synthesis of the information to provide valid conclusions.

5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues, and the consequent responsibilities relevant to the professional engineering practice.
7. **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.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and teamwork:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **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 Objectives (PSOs)

PSO 1: Ability to apply learned skills to build optimized solutions pertaining to Computer & Communication Systems, Data Processing, and Artificial Intelligence.
PSO 2: Employ standard strategies and practices in project development using FOSS (Free & Open-Source Software).

About the Department of Computer Science & Engineering (Artificial Intelligence and Machine Learning) CSE(AI&ML)

The Department of CSE(AI&ML) was established in 2020 with the vision of makingit a Centre of Excellence. The Computer Science and Engineering Department's goal is dedicated to create Women Technological Leaders of Tomorrow. The Department of CSE(AI&ML) offers 1. Bachelor of Technology (B. Tech) in Computer Science and Engineering (Artificial Intelligence and Machine Learning) (CSE(AI&ML) with an intake of 60. It molds students into an individualwith strong problem solving and critical thinking skills to create innovative solutions for new challenges in science and technology. The Department of Computer Science & Engineering (Artificial Intelligence and Machine Learning) is propped by well-qualified, experienced, and committed faculty to provide quality industry-tuned education to the students. The departmentoffers exciting opportunities for students to expand their intellectual horizons through guest lectures, technical seminars from eminent industries, and academic personalities and keeps abuzz with activities to develop their technical skills through various clubs driven by active student participation throughout the year. The departmentis always on its toes to provide an excellent platform through Mentorship, Internship, hobby projects, workshops, industrial visits for the passionate students to inculcate the zeal to learn new things and do somethingbeyond their academics. Faculty and students are encouraged to do certifications offered by NPTEL – SWAYAM, ServiceNow, Coursera, edX, Udemy, NASSCOM, etc, to move the needle on upgrading the proficiency and skill set in the interesting areas.

Welcome to Newly Joined Faculty

Ms.R.Priyanka
Assistant Professor
DOJ:03-Oct-2023

Ms.D.Poojasri
Assistant Professor
DOJ:03-Sep-2023

Achievements by Faculty & Department:

- CSE(AIML) Department organized ATAL FDP on Artificial intelligence for Agriculture Innovation under AICTE and received a grant of 2,00,000. The coordinator is Dr.B.Lakshmi Praveena, Co-Coordinator Dr.Ch.Edukondalu.
- CSE(AIML) Department inaugurated Math.AI lab with objective to make mathematics simpler by practical implementation.
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Papers Published:

- Ms.A.Naga Kalyani published paper on , "Performance Analysis of Cycle GAN in Photo to Portrait Transfiguration Using Deep Learning Optimizers," in IEEE Access, vol. 11, pp. 136541-136551, 2023, doi: 10.1109/ACCESS.2023.3337430.

- Ms.S. Annapoorna published paper , "Smart Attendance System with Face Recognition using OpenCV," *2023 Second International Conference on Augmented Intelligence and Sustainable Systems (ICAISS)*, Trichy, India, 2023, pp. 1149-1155.

- Ms.V.Asha published paper entitled "Brain Tumor Detection Using Deep Learning Based R-CNN", published at Advances in Data-Driven Computing and Intelligent Systems Selected Papers from ADCIS 2023.

Patents Published:

- A Naga Kalyani, Assistant Professor, Cse(Ai&Ml) Department published patent on A Novel Classification Model For Infected Tree Leaves Classification Using Deep Convolutional Neural, Mrs. Application No: 202341051699 (Indian Patent) Published On: 01/09/2023

Faculty awards / reviewers / resource persons / appreciations / Certifications

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- Ms.A.Naga Kalyani, Assistant Professor, ,Ms.V.Asha, Assistant Professor , Ms.S.Annapoorna, Assistant Professor, Dr.B.Lakshmi Praveena, Professor attended ATAL FDP on CyberSense AI: Navigating the Convergence of Artificial Intelligence and Cybersecurity "at INSTITUTE OF AERONAUTICAL ENGINEERING.

- Dr.B.Lakshmi Praveena, Professor attended ATAL FDP on Generative AI for Education conducted by IT department of BVRITH.

- Mr.B.Kishore Kumar attended FDP on Research Methodology on Machine Learning and Data Science 10/07/2023 to 14/07/2023.

- Ms.A.Naga Kalyani, Assistant Professor, ,Ms.V.Asha, Assistant Professor , Ms.S.Annapoorna, Assistant Professor, Ms.P.Anusha, Assistant Professor , Ms.V.Indu, Assistant Professor have attended "6 Day A T A L FDP program Artificial intelligence for Agriculture Innovation " from 11th Dec 2023 to 16th Dec 2023.

Students Achievements:

- II B.Tech Student Janvi Kakkar (22WH1A6640) got Wonder Woman Award form Amazon
- IV B.Tech Student Ms. V Jyothi Reddy(20WH1A06601), got Placement with Highest Package at Microsoft-52LPA
- IV B.Tech Student Ms.Srinika Sharma(20WH1A6651) got gold medal for academic topper
- Srinika Sharma, Deepika, Chitra Bhanu presented paper on "PenBot - Make Transcribing easy with an AI Scribe" at 8th international conference on Micro Electronics, Electromagnetics, and Telecommunications -ICMEET-2023, NIT,Mizoram, 06-Oct-2023
- V.Jyothi Reddy presented paper on Sign Language for Telugu Akshara Mala in icacecs – 2024

Events organized

- 21st November 2023, Prof. Madhavan Mukund, Director of CMI, Chennai, delivered a thought-provoking talk titled "Who Afraid of Concurrent Programming" to 70 students of III-I. The session introduced the challenges and importance of concurrent programming in computer science.

Placement Information

Optum Internship selected students:

Rollno	Student Name	Company	Duration	Stipend
20WH1A6609	SURISETTY NEHA KEERTHANA			
20WH1A6614	AALLA CHITHRA BHANU		25 Jul 2023 To 23Sep 2023	35K
20WH1A6626	PRANITHA DURGAM			

20WH1A6632	KOMIRELLY NIKITHA REDDY	Optum		

Rollno	Student Name	Company	Duration	Stipend
20WH1A6643	Talari Sreeya	Birlasoft	20 Sep 2023 to 01 Dec 2023	25k
20WH1A6646	Bagareddygari Sreevidya	Target Upcurve	10 Oct 2023 to 01 Oct 2023	30k
20WH1A6652	Kamarapu Sravani	Athena Health	15 Dec 2023 to 05 may 2024	30k
20WH1A6658	Assuri Vyshnavi		15 Dec 2023 to 05 may 2024	30k
20WH1A6659	Jetti Harshitha	Metaverse Ventures Pvt Ltd	15 Dec 2023 to 05 may 2024	20k
21WH5A6604	Kaandru Nithya	Target Upcurve	10 Oct 2023 to 01 Oct 2023	30k
20WH1A6628	Kasula Spandana		10 Oct 2023 to 01 Oct 2023	30k

20WH1A6624	MEDA DEVISRI CHANDANA			
20WH1A6637	THOPURI HARSHITHA			

- **Target UpCurve, Birla soft, Athena Health, Metaverse Ventures internship students**
- **Students placed in different companies with FTE offers.**

S. No	Roll. No	Name of the Student	Name of the Company	Salary Package (in Lakh)
1	20WH1A6601	V.Jyothi reddy	Microsoft	52LPA
2	20WH1A6612	Rachakonda Pranathi	IBM CIC	4.5
3	20WH1A6613	JOSHI AKANKSHA SHARMA	Bank of America	6.45 LPA
4	20WH1A6635	Vasam Namitha	IBM CIC, KPIT	4.75 LPA
5	20WH1A6639	Bandewar Adithi	Bank of America	6.45 LPA
6	20WH1A6628	KASULA SPANDANA	VISA	32LPA
7	20WH1A6632	KOMIRELLY NIKITHA REDDY	Bank of America	6.45 LPA
8	20WH1A6637	THOPURI HARSHITHA	Accenture	4.5 LPA
9	20WH1A6641	K DEEPIKA	VISA	32LPA
			Verizon	7.2 LPA
10	20WH1A6644	SINGU CHETHANA	Accenture	4.5 LPA
11	20WH1A6646	BAGAREDDYGARI SREE VIDYA	Accenture	4.5 LPA
12	20WH1A6647	PALWAI SHIROMANI	Genpact	4 LPA
13	20WH1A6650	ANNAM VANI	Accenture	4.5 LPA
14	20WH1A6651	C SRINIKA SHARMA	Accenture	6.45 LPA
15	20WH1A6652	KAMARAPU SRAVANI	Accenture	4.5 LPA
16	20WH1A6653	SHANKARAMPET SAHITHI	Accenture	4.5 LPA
17	20WH1A6655	NAGOTHU MANVITHA	Accenture	4.5 LPA
18	20WH1A6658	ASSURI VYSHNAVI	Accenture	4.5 LPA
19	20WH1A6660	KAMMALA SATVIKA	Accenture	4.5 LPA
20	21WH5A6604	KAANDRU NITHYA	Accenture	4.5 LPA
21	21WH1A6646	Chelimela Roshini	Genpact	4.17 LPA
22	21WH1A6611	Kakipati Navya	Genpact	4.17 LPA

Best Wishes

Newsletter Editorial Board

Dr. B. Lakshmi Praveena, Professor & HOD, CSE(AI&ML)

Ms. A. Naga Kalyani, Assistant Professor, CSE(AI&ML)

Ms.V Indu Assistant Professor, CSE(AI&ML)

Ms. B Chethana , III Year, CSE(AI&ML)

Ms. Pavithra, II Year, CSE(AIML)