



BVRIT HYDERABAD

College of Engineering For Women

(Approved by AICTE ,Hyderabad)



Plot No. 8-5/4, Gandhi Nagar Colony, Nizampet Rd, Bachupally, Hyderabad-500090
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Department of CSE(AIML)

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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 conducive environment 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 the students 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 nation.

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 making it 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 individual with 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 department offers 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 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. 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



Name: Mr. K.Sundeeep Saradhi

Assistant Professor

DOJ- 12-03-2024

Achievements by Faculty & Department:

- CSE(AI&ML) has successfully conducted 2nd BOS meeting on 15-02-2024 and got approval for course structure with syllabus upto 3-2.
- Ms. V. Jyothi reddy got FTE in Microsoft with 52LPA package.
- CSE(AI&ML) department achieved 80% of placement with highest package and with average package as 7.9LPA.

Papers Published:

1. A. N. Kalyani, "Relavation Schemes of Malicious Data for Distributed Machine Learning," *2024 International Conference on Advancements in Smart, Secure and Intelligent Computing (ASSIC)*, Bhubaneswar, India, Apr. 2024, doi: 10.1109/ASSIC60049.2024.10507938.
2. V. Asha, "Brain Tumor Detection Using Deep Learning-Based R-CNN," in *Advances in Data-Driven Computing and Intelligent Systems (ADCIS 2023)*, 2024, pp. 890. doi: 10.1007/978-981-99-9531-8_39.
3. V. Asha, "Agriculture Crop Recommendation System Using Machine Learning," *2024 International Conference on Advancements in Smart, Secure and Intelligent Computing (ASSIC)*, Apr. 2024, doi: 10.1109/ASSIC60049.2024.10507899.
4. V. Asha, "An Exploratory Assessment on Text Summarization," *2024 International Conference on Advancements in Smart, Secure and Intelligent Computing (ASSIC)*, Apr. 2024, doi: 10.1109/ASSIC60049.2024.10507947.

Patents Published:

1. "HealAI: Autonomous Healthcare Management using Reinforcement Learning" is published on 12/04/2024, identification number 202441027697 by Dr. T. Lakshmi Praveena, Ms. A. Naga Kalyani, and Ms. V. Asha.

Faculty awards / reviewers / resource persons / appreciations / Certifications

- 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, B.Kishore kumar, B.lakshmi Praveena have attended “6 Day A T A L FDP program Generative AI for Education” from 6-1-24 to 10-1-24.
- Ms.A.Naga Kalyani, Assistant Professor, ,Ms.V.Asha, Assistant Professor , Ms.S.Annapoorna, Assistant Professor, B.Kishore kumar, B.lakshmi Praveena have attended “6 Day A T A L FDP program Cyber sence ” from 6-1-24 to 10-1-24.
- Dr.B.Lakshmi Praveena HOD got Education Excellence award from Outlook on 1 Apr 2024
- Mr.K.Sundeeep Saradhi Assistant Professor got Social Media Influencer from EndNow on 30 june 2024
- Ms. S. Annapoorna completed the **Data Science for Engineers** course from NPTEL–AICTE on **25-04-2024**.
- Ms. P. Anusha completed the **Computer Networks and Internet Protocol** course from NPTEL–AICTE on **26-04-2024**.
- Ms. A. Nagakalyani completed the **Computer Networks and Internet Protocol** course from NPTEL–AICTE on **26-04-2024**.
- Ms. B. Kishore Kumar completed the **Java Programming** course from NPTEL–AICTE on **26-04-2024**.
- Ms. B. Kishore Kumar also completed the **Programming for Problem Solving** course from NPTEL–AICTE on **26-04-2024**.
- Dr. B. Lakshmi Praveena completed the **Java Programming** course from NPTEL–AICTE on **26-04-2024**.

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

- Earlier, on **1st June 2024**, Mr. Venkat, a Software Engineer at Amdocs, conducted a one-day hands-on workshop on AWS. This workshop, targeted at II-I semester students, also saw participation from 100 students and offered practical exposure to Amazon Web Services and its applications.
- Mr. Madhu Sudhan Sreerama, a Solution Architect, contributed a session on "Technical Vision for a Specific Solution to a Business Problem" on **8th January 2024**. The session catered to II-I semester students, with 70 participants, focusing on how technical strategies are developed to address real-world business challenges.
- On **29th June 2024**, Mr. Praveen Kumar, Lead Python Developer at Nagarro, took a focused session for 20 students of the II-I semester on "Credit Card Delinquency Classification using the Random Forest Algorithm." This session offered valuable insights into machine learning applications in financial analytics.
- In the realm of advanced technology, Prof. Ponnuram Kumaraguru, Vice President of ACM and Professor at IIIT Hyderabad, presented a session on "Safe and Responsible AI" on **27th March 2024**. With 60 students from III-I attending, the session emphasized ethical and responsible use of artificial intelligence.
- A one-week workshop on Full Stack Development was conducted by Smart Internz for IT & CSE(AI&ML) students from 20-04-2024 to 27-04-2024, with 14 participants.
- A one-week workshop on Mobile Application Development was conducted by Improve 10X at BVRITH from 20-04-2024 to 27-04-2024, with 6 participants.
- A One-Day Workshop on Hands-on Training on AWS was conducted for CSE(AI&ML), BVRITH on 01-06-2024, with 30 participants.
- A Guest Lecture on Performing CRUD Operations on Azure SQL Database was conducted for CSE(AI&ML), BVRITH on 06-07-2024, with 20 participants.
- A Two-Day Workshop on Introduction to Industry 4.0 and Industrial IoT was conducted for CSE(AI&ML), BVRITH on 15-07-2024 and 16-07-2024, with 10 participants.
- A one-week workshop on Unity Gaming – Big Games was conducted at BVRITH from 20-04-2024 to 27-04-2024, with 6 participants.

Placement Information

Internships and Mentorships

Roll. No	Name of the Student	Name of the Company	Internship / Mentorship
20WH1A6652	Kamarapu Sravani	Persistent (Mentorship); Athena Health	Internship
20WH1A6658	Assuri Vyshnavi	Persistent (Mentorship); Athena Health	Internship

20WH1A6659	Jetti Harshitha	Metaverse Ventures Pvt Ltd	Internship
21WH1A6604	DESU GAYATHRI VENKATA SAI SOWMYA	PWC MENTORSHIP	MENTORSHIP
21WH1A6607	SHEELA NEHA	IBM	Internship
21WH1A6646	CHELIMELA ROSHINI	GATE-4559, PWC MENTORSHIP	MENTORSHIP
21WH1A6651	NAKKALA SUDESHNA	Amadeus	Internship
21WH1A6648	PUTLURI POOJITHA	Amadeus	Internship

Placement Information:

Roll. No	Name of the Student	Name of the Company	Salary Package (in Lakh)
20WH1A6635	Vasam Namitha	IBM CIC, KPIT	4.75 LPA
20WH1A6639	Bandewar Adithi	Bank of America	6.45 LPA
20WH1A6628	KASULA SPANDANA	VISA	32LPA
20WH1A6632	KOMIRELLY NIKITHA REDDY	Bank of America	6.45 LPA
20WH1A6637	THOPURI HARSHITHA	Accenture	4.5 LPA
20WH1A6641	K DEEPIKA	VISA	32LPA
		Verizon	7.2 LPA
20WH1A6644	SINGU CHETHANA	Accenture	4.5 LPA
20WH1A6646	BAGAREDDYGARI SREE VIDYA	Accenture	4.5 LPA
20WH1A6647	PALWAI SHIROMANI	Genpact	4 LPA
20WH1A6650	ANNAM VANI	Accenture	4.5 LPA
20WH1A6651	C SRINIKHA SHARMA	Accenture	6.45 LPA
20WH1A6652	KAMARAPU SRAVANI	Accenture	4.5 LPA
20WH1A6653	SHANKARAMPET SAHITHI	Accenture	4.5 LPA
20WH1A6655	NAGOTHU MANVITHA	Accenture	4.5 LPA
20WH1A6658	ASSURI VYSHNAVI	Accenture	4.5 LPA
20WH1A6660	KAMMALA SATVIKA	Accenture	4.5 LPA
21WH5A6604	KAANDRU NITHYA	Accenture	4.5 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 , IV Year, CSE(AI&ML)

Ms. Pavithra, III Year, CSE(AI&ML)