

NEWSLETTER: Jan 2022 TO June 2022

BVRIT HYDERABAD

College of Engineering of Women, Hyderabad-500090

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. L Lakshmi
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.

1 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 a buzz 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.

CSE(AI&ML) Welcomes



Ms. K Hema
Assistant Professor
 DoJ: 25-04-2022

Achievements by Faculty:

Faculty awards / reviewers / resource persons / appreciations

- Ms. A.Naga Kalyani, Assistant Professor, Dept. of CSE(AI&ML) completed in **Wipro Certified Faculty** training program and got trained on Wipro's "**Project Based Learning framework**" Dept. of CSE(AI&ML) from 15-11-2021 to 3-12-2021.
- Ms. A Naga Kalyani, Asst. Prof , Dept. of CSE(AI&ML) completed and course of study offered by AWS on "**OTP AWS4: Amazon Sage Maker: Simplifying Machine Learning Application Development.**" On 22-09-2021.
- A Naga Kalyani, Assistant Professor, Unleashing Research Potential: Global Trends and Practices , Office of International Relations, Galgotias University, Greater Noida, Uttar Pradesh ,07-03-2022 to 11-03-2022
- Dr. Geetika S. Pandey, Assistant Professor ,SCILAB and XCOS-FOSS Alternatives for MATLAB and SIMULINK,AICTE Training and Learning (ATAL) from 07-02-2022 to 11-02-2022.
- Dr. Geetika S. Pandey , Assistant Professor,Artificial Intelligence in Machine Learning with Java Oracle Academy (online) from 11-03-2022 to 13-05-2022
- Dr. Geetika S. Pandey, Assistant Professor, Getting Started with Deep Learning NVIDIA DLI from From 18-07-2022 to 19-07-2022.
- Dr. Geetika S. Pandey, Assistant Professor ,Project Build-a-thon IBM and AICTE from 06-07-2022 to 12-07-2022.
- A Naga Kalyani, Assistant Professor, Getting off to a Good Start on Research, Vishnu Educational Development and Innovation Center (VEDIC), Hyderabad from 12-04- 2022 to 13-04-2022
- Dr. Geetika S.Pandey, Assistant Professor Moodle for Effective Course Management and Analytics(TL) Vishnu Educational Development and Innovation Center (VEDIC), Hyderabad on 26 -03-2022.

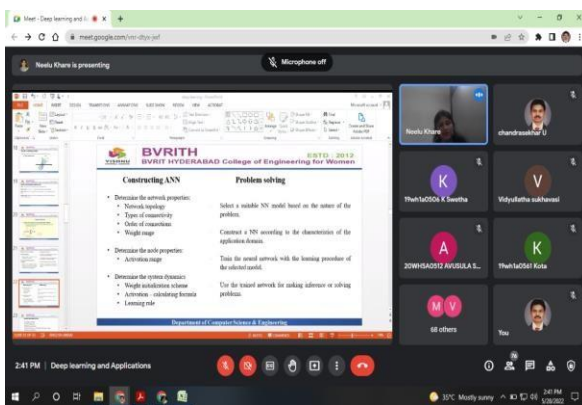
Students Achievements:

S.No	Name of the Student	Roll No	Name of the Event	College / National / International	Organized by	Dates	Detail of Prizes
1.	20wh1a6651	C Srinika Sharma	Build Club(Inaguation And Workshop) - Iit Madras Research Park	National	Workshop	17-06-22 to 18-06-22	Participation
2.	20wh1a6649	K.Supriya	Ai900 - Microsoft Certified Azure Ai Fundamentals	National	Training And Certification	27-05-22 to 06-08-22	Certification
3.	20wh1a6655	N.Manvitha	ILEA	Vedic/ College	Workshop	14-16 July	Participation
4.	20wh1a6657	Manaswini Yelagandula					
5.	20wh1a6657	Manaswini Yelagandula	Echo	National	Project	Sept 21-Aug 22	Participation
6.	20wh1a6604	P.Abheesta	Drone Technology Training Offered By Ngage Technovations In Collaboration With BVRITH	National	Coding Contest	15-04 -22 to 30-04- 22	Participation
7.	20wh1a6641	K.Deepika					
34	20wh1a6609	Surisetty Neha Keerthana	IICC	AICTE	Coding Contests	July 2022	Rank- 3290, Qualified For Level- 2
35	20wh1a6626	Pranitha Durgam					Rank - 8714, Qualified For Level-2
36	20wh1a6622	S. Sindhuja	Honeywell Hackathon	Tech Trunk	Hackathon	Jun-22	Participation
37	20wh1a6649	K.Supriya					
38	20wh1a6650	A.Vani					
39	20wh1a6628	K.Spandana	Wids Datathon	Wids	Hackathon	Feb-22	Participation
40	20wh1a6637	Thopuri Harshitha					
41	20wh1a6649	K.Supriya					
42	20wh1a6628	K.Spandana	Hackwell 4.0	Jssaate-B	Hackathon	Jun-22	Participation

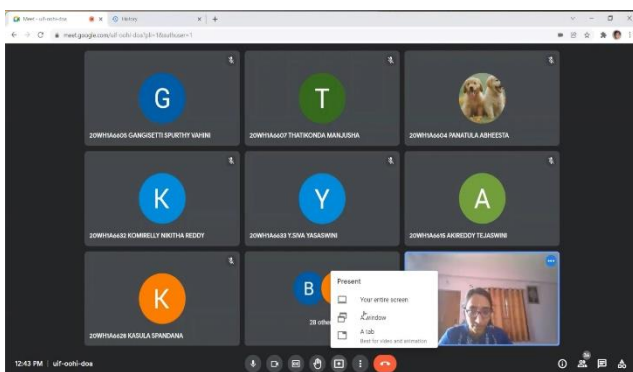
Events organized



Departments of CSE / CSE (AI & ML) / IT and TechBlitz organized a session on **“Regression Analysis Essentials for Machine Learning”** Resource person is **Dr. Venkateswara Rao Kagita, Assistant Professor, NIT Warangal** on 03 March 2022 in association with Institutions Innovation Cell.



Departments of CSE / CSE (AI & ML) / IT and TechBlitz organized a session on **Dr. Neelu Khare, Associate Professor-Sr, Department of Information Technology (SITE), VIT Vellore** delivered a session on **“Deep Learning and its Applications”** on 28 May 2022




Department of CSE(AI&ML) organized Machine Learning Series of Lectures series” **Foundations of Machine Learning”** by Ms. K Hari Chandana, PhD Scholar, PMRF, Department Artificial Intelligence (AI), IIT Hyderabad. The Course was organized and monitored by Dr L Lakshmi, Prof & HOD, Dept. of CSE(AI&ML) and Ms. A Naga Kalyani, Asst. Prof, Dept. of CSE(AI&ML)



Interactive session with GATE – 2022 Toppers on 08-04-2022. Mr. Kiran Kumar Kunche, All India Rank (CSE) – 08, GATE – 2022, Mr. I. Bhargav, All India Rank (CSE) – 128, GATE – 2022, Mr. B. Manikanth, All India Rank (CSE) – 149, GATE – 2022 and Mr. Satish, Assistant Professor – CSE, from Rajiv Gandhi University of Knowledge Technologies (RGUKT), Nuzvid, Krishna District, Andhra Pradesh share their experiences towards cracking GATE exam and achieving good rank.

Students Selected for Mentorships / Internships Program:

The following students selected for internship

S.No	Roll No.	Name of the Student	Company	
1	20WH1A6601	Vummadi Jyothi Reddy	MICROSOFT	

Best Wishes

Newsletter Editorial Board

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

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

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