



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)

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XPLORE AIML



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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 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

Faculty Information



Dr L Lakshmi

Professor

DoJ : 30-Dec-2019



Ms. A Naga Kalyani

Assistant Professor

DoJ : 4-July-2019



Mr. Satish Vemi Reddy

Assistant Professor

DoJ : 1-July-2021



Dr Geetika S Pandey

Assistant Professor

DoJ : 23-Dec-2021

Achievements by Faculty:

Faculty awards / reviewers / resource persons / appreciations

- Dr. L. Lakshmi, Professor &HOD, “**Growing Entrepreneurial Mindset Experiential Workshop (GEM Workshop)**” ,Sree Vishnu Educational Society from 12-07-2021 to 24-07-2021.
- Dr. L Lakshmi, Professor &HOD, “**Deep Learning For Audio and Speech Processing**” ,KLE Technological University, Hubballi from 26-07-2021 to 30-07-2021.
- Dr. Satish Vemi Reddy, Assistant Professor, One Week FDP on **Machine Learning Fundamentals** BVRIT Hyderabad College of Engineering for Women 30-08-2021 to 04-09-2021.
- Dr. Satish Vemi Reddy, Assistant Professor, **Space Data Analytics**, Amity Institute Of Space Science And Technology from 06-9-2021 to 10-09-2021.
- A Naga Kalyani, Assistant Professor, One Week ATAL FDP on “Research Trends in Computer Vision and Natural Language Processing, North Cap University, Gurgoan,19-07-2021 to 23-07-2021.
- Dr. L Lakshmi, Prof & HOD, Dept. of CSE(AI&ML) and Ms A.Naga Kalyani, Assistant Professor, Dept. of CSE(AI&ML) were resource persons of one week FDP on “**Machine Learning Fundamentals**”, organized by Dept. of CSE(AI&ML) from 30-08-2021 to 4-09-2021.
- Mr. Satish Vemi Reddy, Asst Prof., Dept of CSE(AI&ML) is awarded Doctor of Philosophy (Ph.D.) from National Institute of Technology Warangal (NIT-W) on 8-11-2021

Faculty registered for Ph.D.:

- Ms. A Naga Kalyani, Asst. Prof. Dept of CSE(AI&ML) is registered for Ph.D. in Computer Science and Engineering at ANURAG University, Gatakesar, Hyderabad on 22-10-2021.

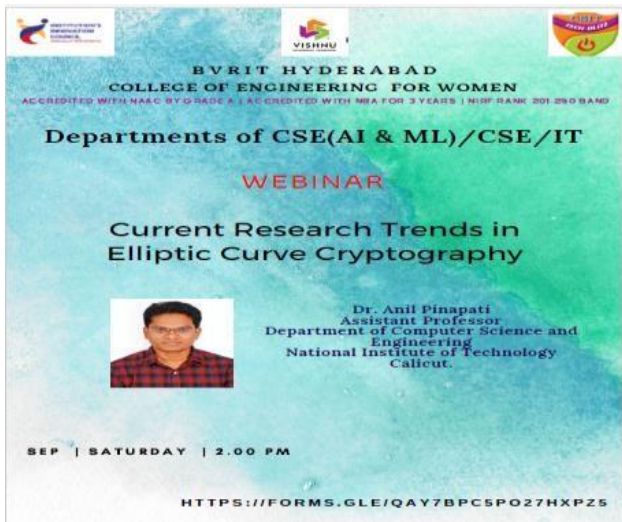
Students Achievements:

S.No	Name of the Student	Roll No	Name of the Event	College / National / International	Organized by	Dates	Detailsof Prizes
1	20wh1a6604	P.Abheesta	Self-Driving Car Workshop	College	Tech Trunk	16-12-21 to 18-12-21	Participation
2	20wh1a6606	J.Akanksha Sharma					
3	20wh1a6608	R. Harshini					
4	20wh1a6621	B.Pavithra					
5	20wh1a6622	S. Sindhuja					
6	20wh1a6623	P.Indu					
7	20wh1a6628	K.Spandana					
8	20wh1a6631	N.Sahithi Sri					
9	20wh1a6632	K Nikitha Reddy					
10	20wh1a6633	Yasaswini Yangalasetty					
11	20wh1a6634	Tasneem Firdous					
12	20wh1a6635	V.Namitha					
13	20wh1a6636	Gampa Amulya					
14	20wh1a6641	K.Deepika					
15	20wh1a6646	B.Sreevidya					
16	20wh1a6647	Shiromani Palwai					
17	20wh1a6649	K.Supriya					

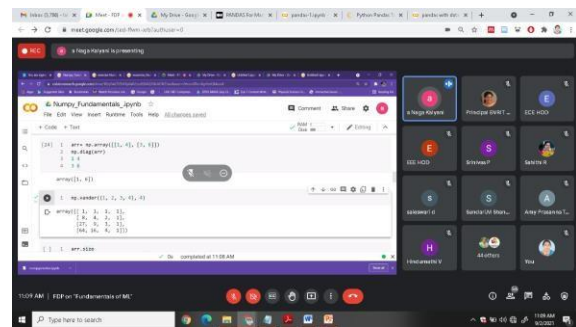
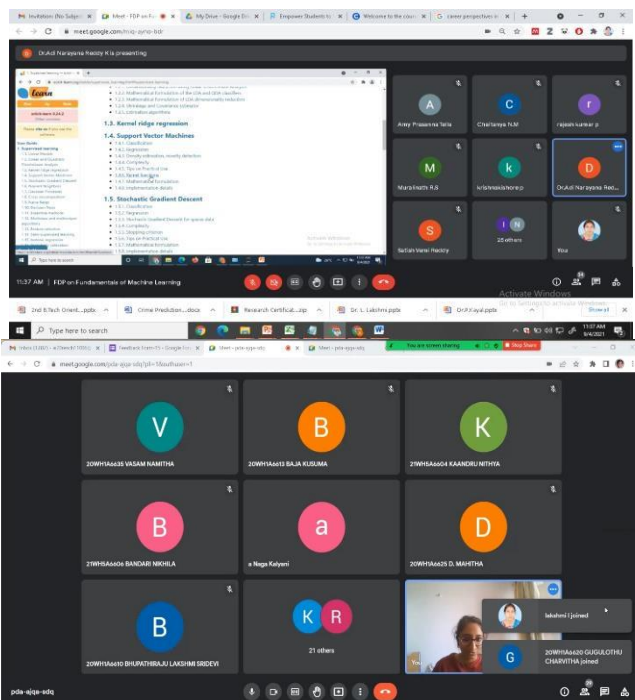
18	20wh1a6650	A.Vani					
19	20wh1a6651	C Srinika Sharma					
20	20wh1a6652	K.Sravani					
21	20wh1a6655	N.Manvitha					
22	20wh1a6656	M.Sonali Varma					
23	20wh1a6657	Manaswini Yelagandula					
24	20wh1a6659	J.Harshitha					
25	20wh1a6657	Manaswini Yelagandula	Echo	National	Project	Sept 21- Aug 22	Participation
26.	20wh1a6637	Thopuri Harshitha	Snakes And Hackers LI Hackathon	National	Hackathon	12-Aug- 2021	Participation

Events organized

Departments of CSE / CSE (AI & ML) / IT and TechBlitz organized webinar on **“Research Opportunities of Deep Learning in Bioinformatics”** Resource person is **Dr. Chandra Mohan Dasari, Associate Professor, VIT** on 27 August 2021 in association with Institutions Innovation Cell.



Departments of CSE / CSE (AI & ML) / IT organized webinar on **“Current Research Trends in Elliptic Curve Cryptography”** Resource person is **Dr. Anil Pinapati, Assistant Professor, Department of Computer Science and Engineering, National Institute of Technology, Calicut** on 25 September 2021 in association with Institutions Innovation Cell.



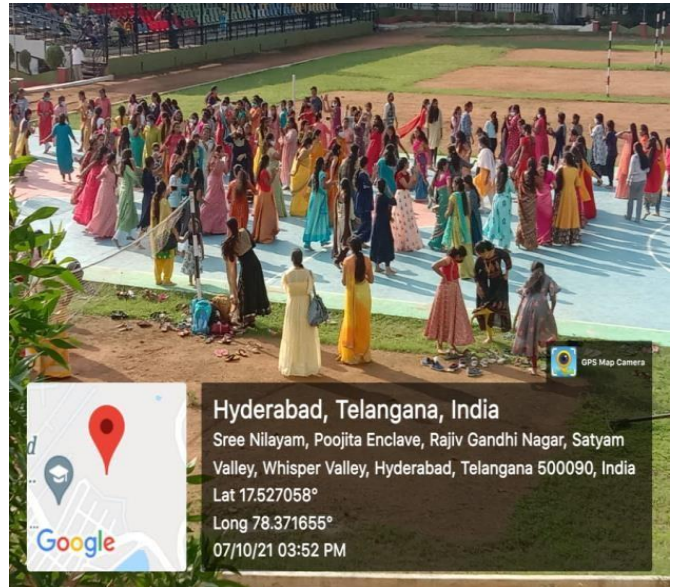
Department of CSE(AI&ML) organized Machine Learning Series of Lectures series **“Foundations of Machine Learning”** by Ms. K Hari Chandana, PhD Scholar, PMRF, Department Artificial Intelligence (AI), IIT Hyderabad. The Course was organized and monitored by Dr L Lakshmi, Prof & HOD, Dept. of CSE(AI&ML)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



Breast Cancer & Survival Cancer Awareness Program – 2021 as part of SAKHI – Cancer Awareness Program by SLG hospitals organized on 21st September, 2021



Art of Therapeutic Weaving on 15-07-2021



Bathukamma Celebrations

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)