



# BVRIT HYDERABAD College of Engineering For Women



(Approved by AICTE ,Hyderabad)

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## Department of CSE(AIML)

Dec 2022

# XPLORE AIML



## Volume -2 Issue-2



**NEWSLETTER: JULY 2022 TO DECEMBER 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. R Suneetha Rani**  
**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.

## Faculty Information



**Dr. R Suneetha Rani**

Professor & HOD

DoJ : 04-07-2022

**Ms. G Deepthi**

Assistant Professor

DoJ: 29-09-2022

**Ms. Nazia Tabassum**

Assistant Professor

DoJ: 15-10-2022

### Achievements by Faculty:

#### Patents Published:

- A Naga Kalyani, Asst.Prof, Dept. CSE(AI&ML) published patent dated 30-12-2022 on **Methods and System for providing neural network for Medical Image Processing to accurately assess the growth for Tumor**

#### Papers Published:

- Dr. Geetika S Pandey published paper on **A Comparative Study on Performance of Basic Classifiers for Crop Recommendation System in** Grenze International Journal of Engineering and Technology, Jan Issue. ISSN 2395-5295(Online); 2395-5287(Print)

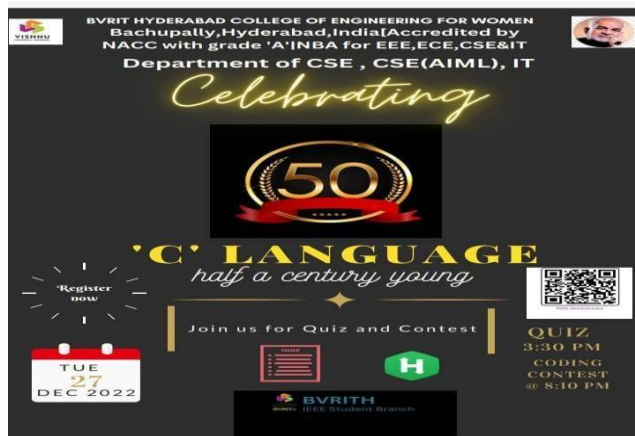
#### Faculty awards / reviewers / resource persons / appreciations

- Ms. A Naga Kalyani, Asst. Prof, Dept of CSE(AI&ML) attended **Teaching Learning Conclave** at VEDIC on 26-11-2022.
- Dr Geetika Shilakari Pandey, Asst. Prof, Dept of CSE(AI&ML) attending Two Week Hybrid AICTE Training and Learning (ATAL) Faculty Development Programme (FDP) on "**Impact of Artificial Intelligence in the Field of Agriculture**" organized by Department of Computer Science and Engineering, Malla Reddy Engineering College, Secunderabad during 17-10-2022 to 29-10-2022.
- Ms. K Hema Asst. Prof, Dept of CSE(AI&ML) has attended three-day FDP on **Virtual Labs** conducted by PALS – Vlabs in collaboration with NITK Suratkal from 19-10-2022 to 21-10-2022
- Dr Geetika S Pandey, Asst. Prof, Dept of CSE(AI&ML), Ms. Nazia Tabassum, Asst. Prof, Dept of CSE(AI&ML), Ms. A Naga Kalyani, Asst. Prof, Dept of CSE(AI&ML), and Ms G.Deepthi, Asst. Prof, Dept of CSE(AI&ML) attended **APSSDC Certified Masterclass program on Deep Learning** conducted in collaboration with Pantech eLearning Pvt Ltd from 10-11-2022 to 10-12-2022.
- Ms. G Deepthi, Asst. Prof, Dept of CSE(AI&ML), Ms. Hema, Asst. Prof, Dept of CSE(AI&ML) attended **Full stack Development Program** in collaboration with Codinza and Vedic.dev.

- Ms. A Naga Kalyani attended 8 days FDP Artificial Intelligence and Deep Learning organized by TASK from 21-11-2022 to 30-11-2022
- Dr. Geetika S Pandey attended 30 Days FDP Deep Learning Masterclass conducted by Pantech Solutions and APSSDC SkillupAP from 11-Nov-2022 to 11-Dec-2022.
- Knowledge sharing session was delivered by G Deepthi on 20th Nov 2022 on the topic Introduction for Web Development

### Students Achievements:

- Students of attended “**Full Stack with Front End & Backend (Node JS) Training Program**” on 30-09-2022 organized by Prashanth in collaboration with **Codinza and Vedic.dev**.
- Ms. Spandana Kasula(20wh1a6628) and Ms. Manaswini Y (20wh1a6657) are undergoing first phase of **Hexagon project “Digitization of Isometric Drawings using AI/ML techniques”**.
- Ms. Annam Vani , Ms. Perwari Akhila , Ms. Sonti Sindhuja attended **Intellectual Learning for Engineering Application(ILEA)** program from 13-10-2022 to 15-10-2022.
- Ms. Pavithra of III CSE(AI&ML) won 1st prize in poster presentation competition in **Promethean 2K22** conducted by Dept. of ECE, BVRIT Narsapur
- Ms. T Nehasri from III CSE(AI&ML) and team won 2nd prize in project titled **Multi Purpose rescue drone** in **Promethean 2K22** conducted by Dept. of EEE, BVRIT Narsapur on 12<sup>th</sup> and 13<sup>th</sup> Oct 22.
- Ms. P Abheesta from III CSE(AI&ML) and team won 2nd prize in project expo in **Promethean 2K22** conducted by Dept. of Mechanical, BVRIT Narsapur.



II, III Year students participated in lieu of Golden Jubilee celebrations of 'C' language, by Department of CSE(AIML), hosting Quiz and Contest on 27-12- 22.

## Events organized

Department of CSE(AI&ML) Organized a ‘**Gameleon 2k22**’ Hackathon, on 15<sup>th</sup> October 2022 on the occasion of National Innovation Day.



The Department of CSE(AI&ML) conducted “**Durga Pooja**” on 01 October 2022 on the Occasion of Dussehra Festival.


The Department of CSE& CSE(AI&ML) organized an event “**Azadi ka Amrit Mahotsav**” on 27<sup>th</sup> Dec 2022, in this regard a PPT Presentation on Health & Wellness with emphasis on Ayush was done



- Department of CSE, CSE(AI&ML) organized Sessions on **Machine Learning Series of Lectures** by Mr. Sai Srinivas Kancheti and Mr. Abbavaram Goutham Reddy, Ph.D Students, PMRF Fellows, Department of Computer Science and Engineering, IIT Hyderabad.

### Students Selected for Mentorships / Internships Program:

The following students got selected in Optum for Internship on 10 Oct '22 with CGPA > 7

S.No	Roll Number	Name of the Student	Company	
1	20WH1A6609	Neha Keerthana Surisetty	Optum	



2	20WH1A6614	Chithra Bhanu Aalla	Optum	
3	20WH1A6632	Nikitha Reddy Komirelly	Optum	
4	20WH1A6624	Devi Sri Chandana Meda	Optum	
5	20WH1A6626	Pranitha Durgam	Optum	
6	20WH1A6637	Thopuri Harshitha	Optum	

# *Best Wishes*

## **Newsletter Editorial Board**

**Dr. R Sunitha Rani, Professor & HOD, CSE(AI&ML)**

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

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

**Ms. Pavithra, II Year, CSE(AI&ML)**