

RajaRajeswari College of Engineering

(Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Artificial Intelligence & Machine Learning

2025 – 2026 ODD SEM



The Department of Artificial Intelligence and Machine Learning (AI & ML) at RRCE was established in the year 2020. The Department offers B.E (AI & ML) Undergraduate program and with an intake of 60 students and the Department is affiliated to Visvesvaraya Technological University, Belagavi, Karnataka and approved by AICTE, New Delhi. Artificial Intelligence and Machine Learning (AI & ML) appear for the next industrial revolution happening in the world today. Artificial Intelligence has been utilized in various fields. Artificial Intelligence emphasizes the development of intelligent machines which think and work like humans. Machine Learning (ML) is a subset of Artificial Intelligence. ML is the science of designing and applying algorithms that are able to learn things from past cases. AI and ML are integral parts of data science, where techniques from both such as regression, projecting analytics and more are applied for coming generation.

Tag Line: Artificial Intelligence and Machine learning (AI & ML) is impacting the business world in a big way and become ultimate in the digital

Editorial Board



Dr.MAMATHA B
Assoc.Prof and HOD



MAMATHA K R
Assistant Professor

Student Co-Ordinators

PRERANA , VI AIML

DEEPAK RAJ K , VI AIML

JEEVAN S, VI AIML

JALAJ KRISHNA B S, VI AIML

VISION

To bring out the competent and socially responsible Engineers in the field of AI & ML education, research and innovation.

MISSION

- To Inculcate, the integration process of concepts in AI & ML domain.
- To equip AI & ML graduates with skills to meet Industry and Societal challenges by skill enhanced training.
- To promote Research and ethical culture through interaction for broader application in AIML domain.

PROGRAM SPECIFIC OUTCOMES (PSOs) :

The AIML graduates will have the ability to:

PSO1: Design and develop AI & ML Solution, through modern engineering tools and Programming Language, Technical skills in presenting modern insights.

PSO2: Ability to adapt continues changing AI & ML domain for innovative challenges

PROGRAM EDUCATIONAL OBJECTS (PEOs)

PEO 1: Develop competent profession in the field of Artificial Intelligence and Machine Learning towards advanced skills in solving contemporary problems

PEO 2: Pursue their professional on technical and progress towards Research and Entrepreneurship.

PEO 3: Progress as skilled in team and adapting leadership qualities and ethical values as per the society



RAJARAJESHWARI COLLEGE OF ENGINEERING

5 DAYS FDP PROGRAM

DEPARTMENT OF AI & ML

Resource Person : Mr.Sreedhara Reddy, Technical Engineer, IobIT Solutions

Faculties of AI&ML and CSE[IC] Department

Date of the event : 22nd July to 26th July 2025.

Overview of the FDP:

The FDP began with an inaugural function attended by the chief guest and faculty members, followed by welcome and presidential addresses.

Day 1:

Introduction to IoT using Raspberry Pi and Python with hands-on sensor applications.

Day 2:

Sessions on Data Structures and Cyber Security, including key concepts, threats, and security measures.

Day 3:

Discussion on research, patents, and publications, followed by an introduction to Machine Learning and its applications.

Day 4:

Topics on Data Visualization and Generative AI with practical demonstrations.

Day 5:

Hands-on session on Kali Linux tools for cyber security and an introduction to Operating Systems and resource management.



RAJARAJESWARI COLLEGE OF ENGINEERING,
BENGALURU-74

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ARTIFICIAL INTELLIGENCE & MACHINE LEARNING & CSE (IOT, CYBERSECURITY INCLUDING BLOCKCHAIN TECHNOLOGY)



FIVE Days FDP On Enrichment of Lab Skills

22/7/2025 to 26/7/2025

Coordinator: All Dept. Staffs
Address for communication: Mamatha K R-9036071887
Renuka H N-9482019201

Dr. Rajesh K S
HOD, AI&ML

Dr. Shashidhar V
HOD, CSE(IC)

Dr. R Balakrishna
Principal



CETCODE: E145 COMED-K: E099 PGCET: T858

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5, Mysore Rd, Kumbagode, Bengaluru, Karnataka 560074, India
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GPS Map Camera



RAJARAJESHWARI COLLEGE OF ENGINEERING

CAREER GUIDANCE-EXPLORING HIGHER EDUCATION OPPORTUNITIES WORLD WIDE

DEPARTMENT OF AI & ML

Resource Person : Mr. Allen Rakesh John

Date of the event : 08-09-2025

Overview of the Event:

The Department of Artificial Intelligence and Machine Learning (AIML), Rajarajeswari College of Engineering, organized a seminar on “Exploring Higher Education Opportunities Worldwide” on 8th September 2025 from 12:00 PM to 1:00 PM at the First Floor Seminar Hall, RRCE. The session was delivered by Mr. Allen Rakesh Jhon, Branch Head, and Mr. Prasad Shetty, Manager – Business Development, from M/s. LCI Group, Bengaluru, both specialists in student counseling. The speakers shared valuable insights about global higher education opportunities, including information about universities abroad, admission procedures, scholarships, and career prospects for students planning to pursue higher studies outside India.

Outcome of the Program:

The seminar concluded with an interactive Q&A session where students actively engaged with the speakers and clarified their doubts regarding higher education options after engineering. The session helped students gain better awareness about international education pathways, career planning, and the steps required to pursue their academic goals abroad.



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Department of AIML

Organizing a Seminar on
"Exploring Higher Education Opportunities Worldwide"

Resource Persons:



Mr. Allen Rakesh Jhon
Branch Head
M/s LCI Group
Specializes in Student Counseling
Bengaluru



Mr. Prasad Shetty
Manager - Business Development
M/s LCI Group
Specializes in Student Counseling
Bengaluru

 **Monday, 8th September 2025**

 **12:00 PM to 1:00 PM**

 **First Floor Seminar Hall, RRCE**

Dr. Rajesh K S
HoD -AIML

Dr. R. Balakrishna
Principal, RRCE

CONTACT US

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RAJARAJESHWARI COLLEGE OF ENGINEERING

PARENTS TEACHERS MEETING REPORT

DEPARTMENT OF AI & ML

Date of the Meeting : 11-10-2025.

Time: 10:30 AM – 12:30 PM

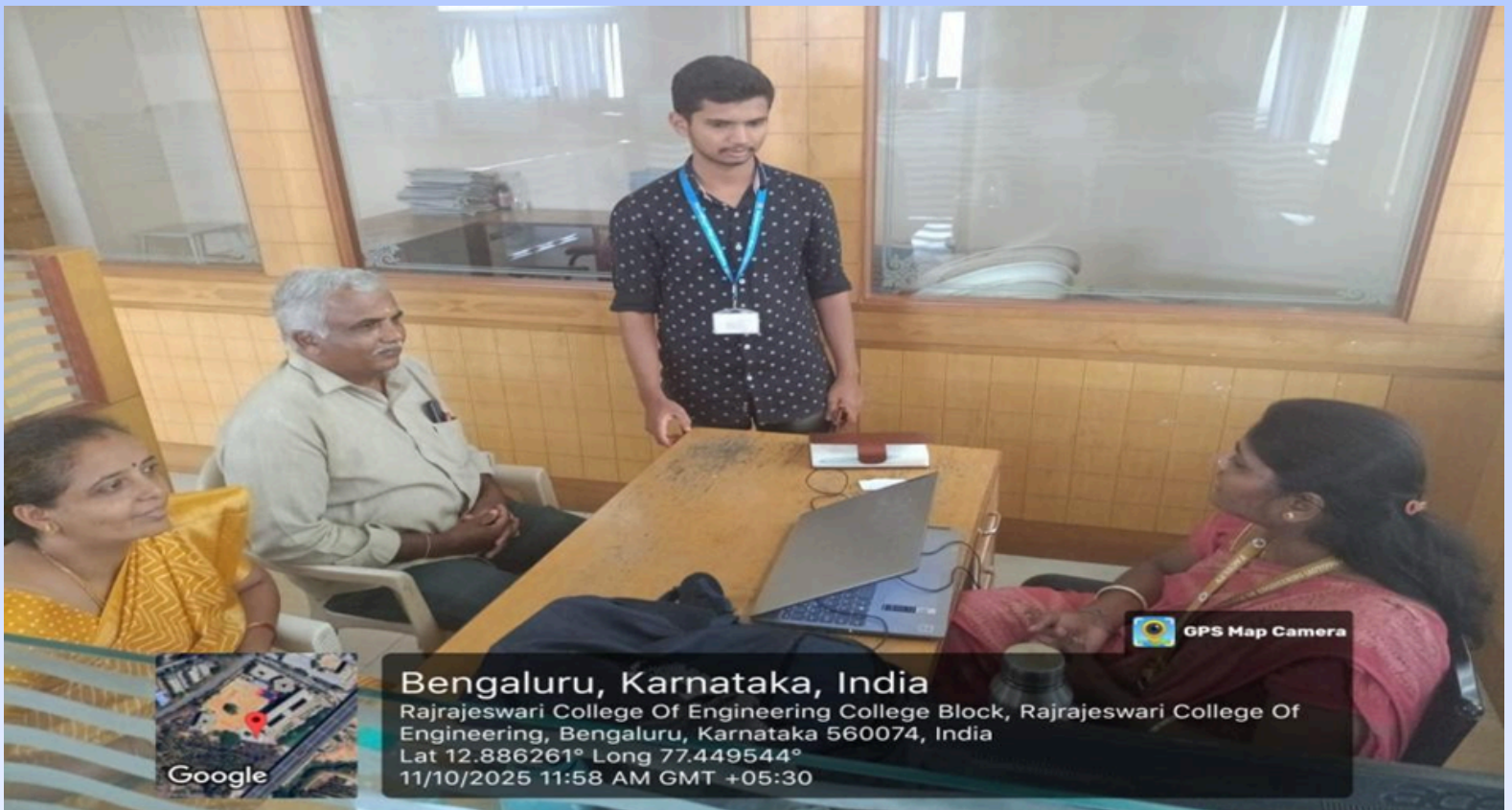
Overview of the Meeting:

A Parent-Teachers Meeting (PTM) for the 3rd and 5th semester students was conducted on 11-10-2025 from 10:30 AM to 1:00 PM in Room 218, Department of AI & ML, RRCE. The meeting was organized to provide a platform for effective interaction between parents, class teachers, subject teachers, mentors, and the Head of the Department (HOD) regarding students' academic progress and overall development. Around 10 parents attended the meeting, and they were informed earlier through phone calls and the WhatsApp group by the class teachers and mentors. During the session, discussions were held on students' academic performance, previous semester marks, current semester CIE marks, classroom discipline, attendance, and skill development activities. Parents also enquired about the placement opportunities and arrangements provided by the department.

The HOD and faculty members addressed parents' queries and provided clarifications regarding academics and student progress. Parents shared their feedback and appreciated the department's efforts, while also suggesting that important information such as examination dates and academic activities be regularly shared through the WhatsApp group. Overall, the meeting helped strengthen communication between the institution and parents, and the overall satisfaction level regarding academic activities, examinations, and communication was observed to be positive.



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Engineering, Bengaluru, Karnataka 560074, India
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RAJARAJESHWARI COLLEGE OF ENGINEERING

ULTRON-25 ***NATIONAL LEVEL TECHNICAL SYMPOSIUM*** **DEPARTMENT OF AI & ML**

Date of the event : ·16th October 2025

Overview of the Event:

The National Level Technical Symposium “ULTRON–25” was organized by the Department of Artificial Intelligence and Machine Learning, RRCE, Bengaluru as an inter-college event inviting UG and PG students from various engineering disciplines. The event began with an inaugural function at 9:30 AM in Abdul Kalam Conference Hall, attended by dignitaries including Chief Guest Mr. Raghavendra Amareshappa, along with the Principal, Dean, Vice Principal, and HoD of AI & ML. The symposium aimed to provide a platform for students to showcase their technical knowledge, collaborate with participants from different colleges, and enhance their skills through various activities. A total of 440 students enrolled, and the event concluded with a valedictory session and prize distribution at 3:30 PM. Overall, the symposium successfully promoted technical exposure, leadership skills, creativity, and awareness of advancements in technology among students.

Outcome of the Program:

The symposium provided students with valuable learning experiences beyond regular classroom education. Through active participation in various technical and non-technical events, students gained practical knowledge on how to manage and organize events effectively, which helped them develop management and coordination skills. Working in teams and handling responsibilities during the symposium enhanced their leadership qualities, decision-making ability, and teamwork.



RAJARAJESWARI COLLEGE OF ENGINEERING

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The Management, Staff, Students. All Are Cordially Invites For

National Technical Symposium



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Dr. A.C. Shanmugam
B.A. LL.B, FIMSA, FRCPs (Glasgow, UK)
Founder Chairman
Rajarajeswari Group of Institutions

ULTRON - 25



Co-Patron
Sri. A.C.S Arun Kumar
B.Tech (Hons), LMISTE, MIET, (UK), LMCSI,
MIEEE, MCSL, MISTE, CEng (India)
President
Rajarajeswari Group of Institutions

Organized By
**Department of
Artificial Intelligence & Machine Learning**

Resource Person

Mr. Raghavendra Amareshappa
Software Product Engineering, Development and Delivery Leader
Senior Engineering Manager
@Wesco Digital Innovation Center Bengaluru.

Date: 16th Oct, 2025 Time: 9:30 AM to 4:30 PM Venue: Dr.A.P.J.Abdul Kalam Hall, RRCE Campus

Dr. S.Vijayanand , M.Tech., Ph.D <i>Executive Director, RRGi</i>	Sri. C.N.Seetharam , IAS (Retd.) <i>Chief Executive Officer, RRGi</i>	Prof. Dr.S.Jeyabalan. , MBA, Ph.D <i>Special Officer, RRGi</i>
Dr. A.K.Mariappan <i>Rector</i>	Dr. S.Meenakshi Sundaram <i>Registrar</i>	Dr. Balakrishna R <i>Principol, RRCE</i>
Dr. Amutharaj J <i>Dean(Admin)</i>	Dr. Rangaigh L <i>Dean(Academics)</i>	Dr. Rajesh K S <i>HOD, Dept. of AI & ML</i>





RAJARAJESHWARI COLLEGE OF ENGINEERING

CAREER GUIDANCE-ANALYZING HIGHER EDUCATION PATHWAYS

DEPARTMENT OF AI & ML

Resource Person : Mr. Nagaraju G

Date of the event : 06-11-2025

Overview of the Event:

The Department of AIML, Rajarajeswari College of Engineering organized a seminar on “Analyzing Higher Education Pathways” on 6th November 2025 at the 1st Floor Seminar Hall for 3rd year students. The session was conducted by Mr. Nagaraju G (Manager) and Mr. Abhilash K (Business Development) from Great Learning, Bengaluru.

The speakers provided guidance on higher education opportunities, career planning, and industry expectations. They also explained common mistakes students make, such as relying only on the college curriculum and ignoring important aspects like resume building, skill development, and mock interviews.

The seminar concluded with an interactive Q&A session, where students clarified their doubts and gained valuable insights for making better academic and career decisions.

Outcome of the Program:

- Students gained awareness about different higher education pathways and career opportunities.
- They understood the importance of skill development, resume building, and mock interviews for career readiness.
- The session helped students identify common mistakes in career planning and how to avoid them.
- Students were motivated to plan their future education and professional goals more effectively.



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Department of AIML

Organizing a Career Guidance on
“Analyzing higher education pathways”

Resource Persons:

Mr. Nagaraju G
Manager
Great Learning Bengaluru

Mr. Abhilash K
Business Development
Great Learning Bengaluru



6th November 2025



11.00 am to 12.00 pm



First Floor Seminar Hall, RRCE

Dr. Rajesh K S
HoD -AIML

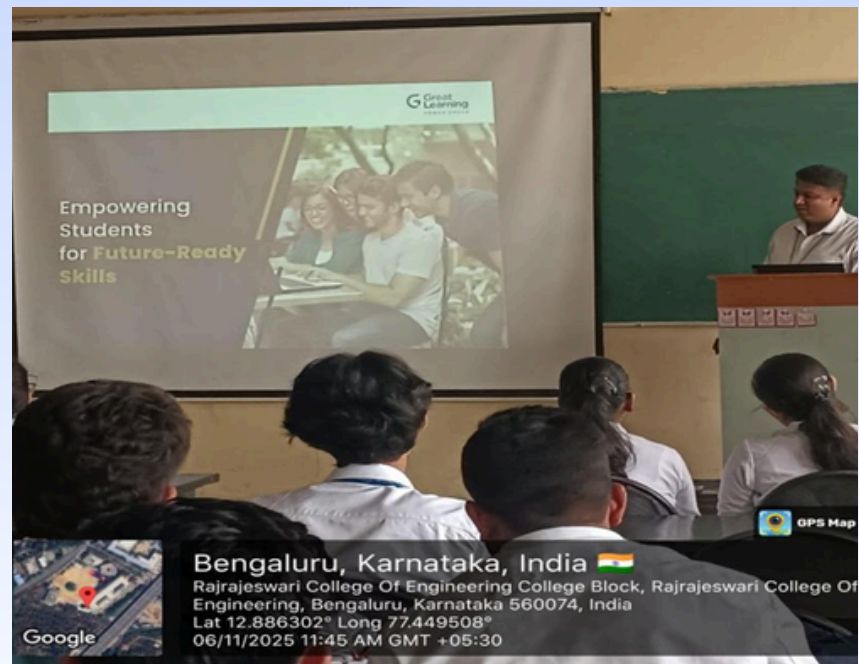
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Principal, RRCE

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RAJARAJESHWARI COLLEGE OF ENGINEERING

TECHNICAL SEMINAR ON "DATA ANALYTICS AND GEN AI"

DEPARTMENT OF AI & ML

Resource Person : Maheshwar Narayanan

Date of the event :14-11-2025

Overview of the Event:

The Department organized a seminar on Data Analytics and Generative AI on 14-11-2025 at the 1st Floor Seminar Hall for 3rd year students, coordinated by Dr. Mamatha B. The session aimed to provide students with knowledge about emerging technologies and their impact on modern industries.

The speaker explained the evolution of Data Analytics, highlighting tools such as Excel, Python, Power BI, Tableau, and machine learning techniques used for data-driven decision making. The seminar also introduced Generative AI, explaining how advanced AI models can generate text, images, and intelligent solutions used in automation, content creation, and business analytics. Real-world examples helped students understand the practical applications of these technologies.

Outcome of the Program:

The session concluded with an interactive Q&A, giving students the opportunity to clarify doubts about tools, career paths, and industry expectations. The speaker encouraged students to strengthen their analytical thinking, experiment with real datasets, and explore GenAI platforms to build impactful projects. Overall, the seminar motivated students to engage in research, hands-on practice, and continuous learning in the fields of Data Analytics, Artificial Intelligence, and Generative AI.

CSE, ECE, ISB

NAAC



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**Department of
Artificial Intelligence & Machine Learning
&
CSE - IC (IoT, Cybersecurity including Blockchain Technology)**

*Organizing Technical Seminar
on 'Data Analytics and Gen AI'*

Resource Person:
Mr. Maheshwar Narayanan
Asst. Vice - President




 **14th Nov 2025**

 **1st Floor Seminar Hall, RRCE**

 **09.00 AM TO 4.00 PM**

Coordinators:
Dr. Mamatha B & Mr. Nitheesh Kumar

Dr. Rajesh K.S
HoD - AIML
Dr Shashidhar V
HoD - CSE (IC)
Dr. R. Balakrishna
Principal, RRCE

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RAJARAJESHWARI COLLEGE OF ENGINEERING

DATA ANALYTICS AND IMAGE PROCESSING USING PYTHON

DEPARTMENT OF AI & ML

Resource Person : Mr Vijay & Mr Mahadeva prasad L

Date of the event :18-11-2025 to 22-11-2025

Overview of the Event:

A 5-day workshop on Data Analytics and Image Processing using Python was conducted to provide students with practical knowledge of programming, data analysis, and basic machine learning concepts. The workshop began with Python fundamentals, where participants learned concepts such as variables, loops, conditional statements, and functions.

Students were then introduced to important libraries like NumPy and Pandas for handling and analyzing data. The session also covered machine learning algorithms such as Linear Regression and Logistic Regression, where students worked on mini-projects like house price prediction and heart disease prediction.

Outcome of the Program:

- Students gained basic knowledge of Python programming concepts such as loops, conditions, and functions.
- Participants learned how to analyze and handle data using libraries like NumPy and Pandas.
- Students understood the working of machine learning algorithms such as Linear Regression and Logistic Regression through practical examples.
- They developed mini-projects like house price prediction and heart disease prediction using real datasets.



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

Organizing 5 Days - Workshop on

'Data Analytics and Image Processing Using Python'

RESOURCE PERSONS

Mr. Vijay
Co-Founder
M/s. Mevi Technologies
Bengaluru



Mr. Mahadeva Prasad L
Trainer & Developer
M/s. Mevi Technologies
Bengaluru



PROGRAM SCHEDULE

18th to 22nd Nov 2025

9:00 AM TO 3:30 PM
1st Floor Seminar Hall

Program Co-Ordinator

Mr. Rajakanth C B
Asst. Professor

Dr. Rajesh K.S
HoD - AIML

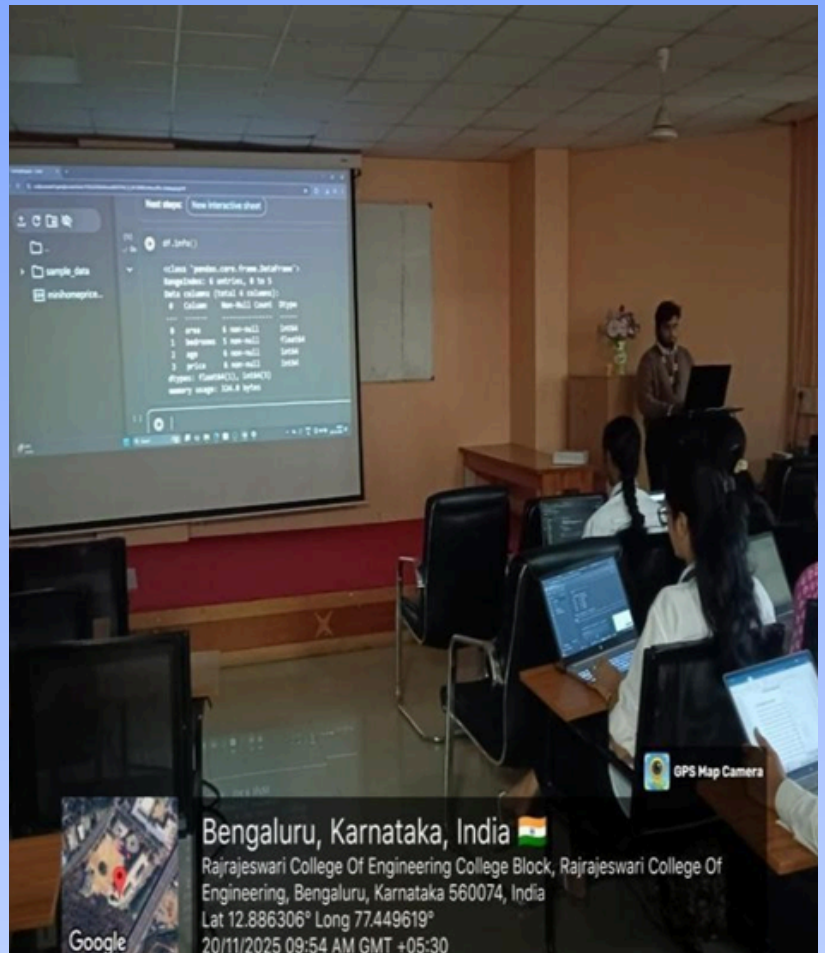
Dr. R. Balakrishna
Principal

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RAJARAJESHWARI COLLEGE OF ENGINEERING

TECHNICAL CODE FUSION

DEPARTMENT OF AI & ML

Resource Person : 1.VamshiS

OrtusolisTechnologies AI Engineer

2 .DurgeshBabu EpicMinds IT PvtLtd AI Engineer

Date of the event :22-11-2025

Overview of the Event:

A event expo on coding and AI was organized to provide students with insights into emerging technologies shaping the digital world. The session was delivered by the alumni's of RRCE expert who began by welcoming the participants and highlighting the increasing importance of AI making invarious sectors.

The event focused on bridging the gap between academic learning and industry demands.The session aimed to: Innovative Coding Practices: Empower students with insights into advanced and innovative coding methodologies.

Real-world AI Applications: Discuss and demonstrate practical applications of Artificial Intelligence that the alumni are currently working on. Career Development Provides valuable guidance on career paths in the tech industry, interview preparation, and key industry expectations. Blending Creativity Emphasize the importance of creativity and critical thinking in developing robust and unique solutions, especially in a dynamic field like AI.



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CODEFUSION

Fusing coding skills with creativity

ALUMNI

2024-25 GRADUATES

**Vamshi
S**

Ortusolis
Technologies

**AI
Engineer**



**Durgesh
Babu**

EpicMinds IT Pvt
Ltd

**AI
Engineer**



22nd November 2025



**Venue : 2nd Floor , APJ
Abdul Kalam Hall**

Program Coordinators

Dr. Mamatha B
Associate Professor

Ms. Soniya R
Assistant Professor

Dr. Rajesh KS
Dept of AI & ML
Dr Krishna Kumar
Physics HOD

Dr. R. Balakrishna
Principal



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RAJARAJESHWARI COLLEGE OF ENGINEERING

"FINAL YEAR PROJECT EXPRO"

DEPARTMENT OF AI & ML

Invited Guest : Mr. Vinay Joshi, Assistant professor, PES College

Date of the event : 05-12-2025

Venue : 1st floor seminar hall
Target Participants
: 4th year students

Faculty Coordinators: Dr. Mamatha B

Overview of the Event:

The event served as a platform for graduating students to demonstrate their technical proficiency, innovative thinking, and ability to solve real-world problems. A total of 16 projects were showcased attracting industry professionals, faculty members, and junior students.

The primary objectives of the Final Year Project exhibition were centered on bridging the gap between academic theory and professional practice. By showcasing their work, students demonstrated the practical application of their technical knowledge, proving their readiness for the professional world. The event functioned as a vital link for industry engagement, creating a platform for recruitment and collaborative opportunities between students and visiting experts. Furthermore, the exhibition served an educational purpose by fostering peer learning, allowing junior students to benchmark the standards expected of them. Finally, it provided a structured environment for formal assessment, enabling both internal and external examiners to evaluate each project based on its innovation, design complexity, and real-world functionality.

Outcome of the program:

The exhibition successfully yielded several significant outcomes, most notably the high level of technical competency displayed by the graduating cohort. A key result was the strengthening of industry-academic ties, as evidenced by the presence of industry partners, several of whom expressed interest in further developing specific student prototypes or offering internship opportunities.



Students explaining about their Projects





Students receiving the prize



Presenting a token of appreciation to the Guest of Honor

Outcome of the program:

The exhibition successfully yielded several significant outcomes, most notably the high level of technical competency displayed by the graduating cohort. A key result was the strengthening of industry-academic ties, as evidenced by the presence of industry partners, several of whom expressed interest in further developing specific student prototypes or offering internship opportunities.



Students explaining about their Projects





RAJARAJESHWARI COLLEGE OF ENGINEERING

TECHNICAL CODE FUSION

DEPARTMENT OF AI & ML

Resource Person :MR Deepak

Date of the event :12-12-2025

Faculty Coordinators: Deepali.A.Dixit

Overview of the Event:

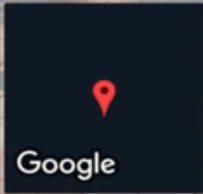
Our department organized an industrial visit to gain practical insights into the rapidly evolving field of Artificial Intelligence. The sessions were designed to bridge the gap between academic theory and industry application, focusing on the mechanics of Large Language Models (LLMs) and the practicalities of AI service integration.


The first session provided a comprehensive deep dive into Large Language Models (LLMs). The resource person detailed how these advanced AI systems are engineered to understand and generate human-like text with high precision.

- **Core Technology:** LLMs are built using deep learning techniques, specifically leveraging transformer-based neural networks.
- **Training Process:** These models are trained on massive datasets—including books, articles, and diverse online content—to identify complex patterns, grammar, and contextual nuances.

In the second session, Mr. Deepak conducted a practical walkthrough on how to integrate AI services into custom applications using API (Application Programming Interface) keys.

The visit was highly educational, providing students with a clear understanding of both the "brain" (LLMs) and the "bridge" (APIs) of modern AI. This experience equipped us with the foundational knowledge required to build and secure

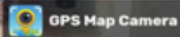



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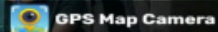
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Krishna Reddy Industrial Area, Hosapalaya, Muneshwara

Nagar, Bengaluru, Karnataka 560068, India

Lat 12.890088° Long 77.640337°

Friday, 12/12/2025 01:16 PM GMT +05:30





RAJARAJESHWARI COLLEGE OF ENGINEERING

FOOD FEST SWADA SAMMELANA

DEPARTMENT OF AI & ML

Date of the event :12-12-2025

Venue: 2ndfloor,204 room.no

Participants: 2nd yearstudents

Faculty Coordinators: Prof Mamatha K R

Overview of the Event:

The Food Fest organized in our college was a lively and enjoyable event that brought together students, faculty, and staff for a day filled with fun, food, and togetherness. The main objective of the food fest was to encourage student participation, showcase culinary creativity, and promote cultural diversity through a variety of dishes.

Different stalls were set up by various departments and student groups, each offering a wide range of food items such as traditional Indian snacks, street food, desserts, beverages, and some international cuisines. The colorful decorations, attractive food counters, and cheerful music created a festive atmosphere across the campus.

Students actively participated not only by preparing and selling food but also by managing stalls, handling finances, and promoting their items, which helped them develop teamwork, leadership, and entrepreneurial skills. Faculty members supported the students and encouraged their efforts, making the event more meaningful.



RAJARAJESHWARI COLLEGE OF ENGINEERING



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No. 14, Ramohalli Cross, Kumblogodu, Mysore Road, Bangalore

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

🌹🌹🌹 *SCR PROJECT ACTIVITY* 🌹🌹🌹

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SWADA SAMMELANA

"Serving Flavours, Sharing Smiles, Building
Communities!"



**VENUE -
AIML DEPARTMENT
Room No-204**

**DATE - 19.12.2025
TIME - 12.30 PM - 02.00 PM**



**Program coordinator-
Prof. Mamatha K R**

HoD - Dr. Mamatha. B

Principal - Dr. Balakrishna R



9008845678



admission@rrce.org



www.rrce.org





RAJARAJESHWARI COLLEGE OF ENGINEERING

TOPPERS OF 2026

DEPARTMENT OF AI & ML

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#14, Ramohalli Cross, Mysore Rd, Kumbalgodu, Bengaluru - 74

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Toppers of 5th Semester Jan-2026 VTU Examination

 Jalaj Krishna B S 1RR23AI023 SGPA 9.68	 Hemalatha B 1RR23AI011 SGPA 9.18	 Abhinaya V 1RR23AI003 SGPA 9.14
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Congratulations



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Bengaluru - 74



DEPARTMENT OF ARTIFICIAL
INTELLIGENCE AND MACHINE LEARNING

Toppers of 3rd Semester Jan- 2026 Examination



SANJANA SHRISHAIL GURLAPUR
1RR24AI054
SGPA - 9.85



SANJANA S
1RR24AI053
SGPA - 9.80



MANOJ GOWDA B S
1RR24AI031
SGPA - 9.55



PREETHI S
1RR24AI044
SGPA - 9.55

Congratulations