



# RAJARAJESHWARI COLLEGE OF ENGINEERING

Autonomous Institution | Approved by AICTE, New Delhi | Affiliated to VTU, Belagavi

Department of Artificial Intelligence & Machine Learning

## AIML NEWSLETTER

2025 – 2026 | EVEN SEM

“Innovating Today, Shaping Tomorrow with **Intelligence & Research**”



### About Department

The Department of Artificial Intelligence & Machine Learning was established in the year 2020 with a vision to nurture future-ready engineers equipped with cutting-edge knowledge and skills.

We are committed to providing quality education, fostering innovation, and promoting research to solve real-world challenges. Our goal is to empower students to excel in the rapidly evolving fields of AI, Machine Learning, Data Science and allied technologies.



### Editorial Board



**Dr. Mamatha B**  
Associate Professor  
Department of AIML



**Mamatha K R**  
Assistant Professor  
Faculty Editor



### Student Editorial Team



**Deepak Raj K**  
VI AIML



**Prerana**  
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)**

PE0 1: Develop competent profession in the field of Artificial Intelligence and Machine Learning towards advanced skills in solving contemporary problems

PE0 2: Pursue their professional on technical and progress towards Research and Entrepreneurship.

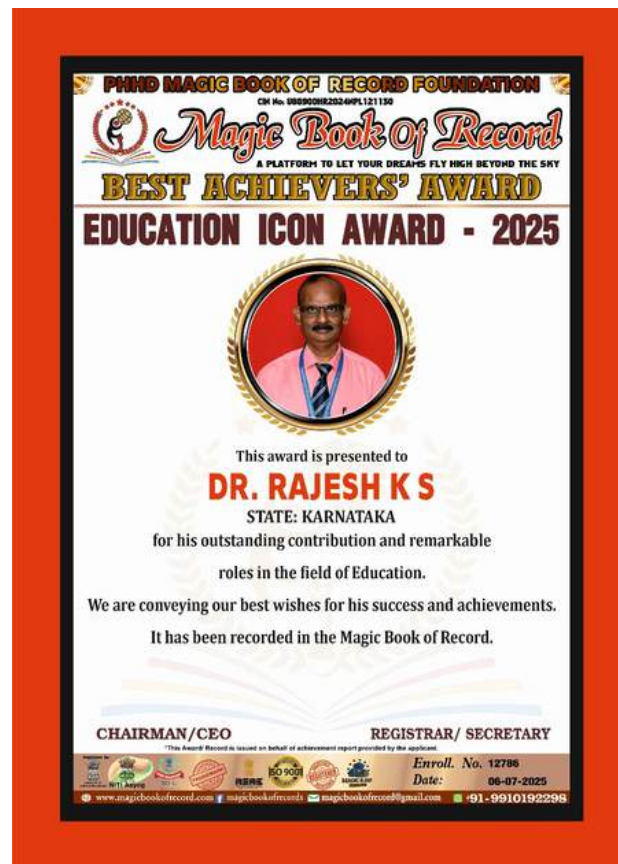
PE0 3: Progress as skilled in team and adapting leadership qualities and ethical values as per the society



# RAJARAJESHWARI COLLEGE OF ENGINEERING

Department of Artificial Intelligence & Machine Learning

## EDUCATION ICON AWARD-2025



### EDUCATION ICON AWARD – 2025

*THE DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING PROUDLY CONGRATULATES DR. RAJESH K. S ON RECEIVING THE PRESTIGIOUS EDUCATION ICON AWARD – 2025 FROM THE MAGIC BOOK OF RECORD FOUNDATION. THIS RECOGNITION HONORS HIS OUTSTANDING CONTRIBUTIONS TO ENGINEERING EDUCATION, ACADEMIC LEADERSHIP, AND HIS DEDICATION TO NURTURING FUTURE INNOVATORS. HIS ACHIEVEMENT IS A SOURCE OF PRIDE AND INSPIRATION FOR THE ENTIRE RRCE AIML FAMILY.*



# RAJARAJESHWARI COLLEGE OF ENGINEERING

Department of Artificial Intelligence & Machine Learning

## TOPPERS OF 5<sup>TH</sup> SEM 2026



### RAJARAJESHWARI COLLEGE OF ENGINEERING

An Autonomous Institution  
Under VTU, Approved by AICTE, UGC & GoK  
No. 14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru - 560074



#### DEPARTMENT OF AIML



Mr. JALAJ KRISHNA B S  
1RR23AI023 SGPA - 9.68 ↙



Ms. B HEMALATHA  
1RR23AI011  
SGPA - 9.18 ↙



Ms. ABINAYA V  
1RR23AI003  
SGPA - 9.14 ↙

Toppers of 5<sup>th</sup> Semester Jan- 2026 VTU Examination

*Congratulations*



9008845678



[www.rrce.org](http://www.rrce.org)

#### Academic Excellence – 5th Semester VTU Examination (January 2026)

The Department of AIML congratulates the 5th Semester VTU toppers for their outstanding academic performance. Their commitment to excellence, perseverance, and determination reflects the department's pursuit of quality education and inspires fellow students to achieve greater heights.



# RAJARAJESHWARI COLLEGE OF ENGINEERING

Department of Artificial Intelligence & Machine Learning

## TOPPERS OF 7<sup>TH</sup> SEM 2026

**RAJARAJESHWARI  
COLLEGE OF ENGINEERING**  
An Autonomous Institution  
Under VTU, Approved by AICTE, UGC & GoK  
No. 14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru - 560074

**DEPARTMENT OF AIML**  
**Toppers of 7<sup>th</sup> Semester**  
**Jan- 2026 VTU Examination**

*Congratulations!*

**CONTACT US**  
 **9008845678**  
 **www.rrce.org**

  
**Mr. SHIVA KUMAR N R**  
**1RR22AI048**  
**SGPA - 9.42**

  
**Ms. NAYANABAI H M**  
**1RR22AI034**  
**SGPA - 9.42**

  
**Ms. DHAMINI M**  
**1RR22AI013**  
**SGPA - 9.42**

The Department of AIML proudly congratulates the 7th Semester VTU toppers for their exceptional academic performance. Their dedication, perseverance, and pursuit of excellence have brought great pride to the department. We extend our heartfelt congratulations and wish them continued success in all their future endeavors.



# RAJARAJESHWARI COLLEGE OF ENGINEERING

## ISRO SPACE ODYSSEY AND CAREER OPPORTUNITIES IN SPACE INDUSTRY

Department of Artificial Intelligence & Machine Learning ML

**Date of the event :** 24/02/2026

**Venue:** 2<sup>nd</sup> floor Dr. APJ Abdul Kalam Conference Hall

**Targeted Participants :** 3<sup>rd</sup> year students

**Faculty Coordinators:** DR. Mamatha B

### Overview of the Event:

The Department of Artificial Intelligence & Machine Learning organized a Technical Seminar on “ISRO Space Odyssey and Career Opportunities in the Space Industry” on 24th February 2026. The seminar provided students with insights into India’s space journey, ISRO’s major achievements, technological advancements, and future space missions.

The resource person highlighted the evolution of India’s space program and discussed emerging career opportunities in government and private space organizations. Students gained valuable information on required skills, higher education pathways, and career prospects in aerospace, satellite technology, research, and allied engineering fields.

The session concluded with an interactive Q&A, enabling students to clarify their doubts and deepen their understanding of the growing space industry. Overall, the seminar served as an informative platform to inspire and guide students toward careers in the space sector.

**RAJARAJESHWARI COLLEGE OF ENGINEERING**  
An Autonomous Institution  
Under VTU, Approved by AICTE, UGC & GoK

*Cordially Invites all for the Seminar on*

**'ISRO Space Odyssey and Career Opportunities in the Space Industry'**

**RESOURCE PERSON**

**Shri. M.S. Srinivasan**  
Director  
Business Development  
Planet Aerospace  
Space Technology Consultant,  
ISRO layout, Bengaluru

**PROGRAM SCHEDULE**

**24<sup>th</sup> Feb 2026** **11:00 AM Onwards**  
Dr. APJ Abdul Kalam Conference Hall, RRCE

**Convenors:** **Dr.R.Arul Jose, HoD - EEE** **Dr. Mamatha B, HoD - AIML**

**Dr. K.B Raja**  
Professor, AIML

**Dr.P.Ebby Darney**  
Dean Student Affairs

**Dr. R. Balakrishna**  
Principal

**Contact Us** [www.rrce.org](http://www.rrce.org) 9008845678  
9900058214

No. 14, Ramnagar Cross,  
Kumbalagodu, Mysore Road,  
Bengaluru - 560074





# RAJARAJESHWARI COLLEGE OF ENGINEERING

## CYBER SAFETY AWARENESS – UNDERSTANDING RISKS AND DEFENSE

Department of Artificial Intelligence & Machine Learning

**Date of the event :** 28/02/2026

**Venue:** 2<sup>nd</sup> floor Dr. APJ Abdul Kalam Conference Hall

**Targeted Participants :** 3 rd. year students

**Faculty Coordinators:** DR. Raja K B & Prof. Mrs. Deepali A Dixit

### Overview of the Event:

The Department organized a Cyber Safety Awareness Program on “Cyber Safety Awareness – Understanding Risks and Defense” to educate students about emerging cyber threats and online safety practices. The session covered key topics such as phishing, hacking, identity theft, online fraud, data privacy, and cybersecurity laws.

The resource person demonstrated practical measures for staying safe online, including secure password management, safe browsing habits, and responsible social media usage. The program enhanced students’ awareness of digital risks and equipped them with essential knowledge and skills to protect themselves in the cyber world.

**RAJARAJESHWARI COLLEGE OF ENGINEERING**  
An Autonomous Institution  
Under VTU, Approved by AICTE, UGC & GoK  
No. 14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bangalore

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**  
*Cordially Invites all Faculties for the Seminar on*  
*'Cyber Safety Awareness - Understanding Risks and Defences'*

**RESOURCE PERSONS**

**Dr. P Deepa Shenoy**  
CHAIR CYBERSECURITY  
STC, IEEE BANGALORE SECTION

**Ms. Bhavani P**  
CYBERSECURITY  
STC MEMBER

**28th Feb 2026**      **10:30 AM - 12:30 PM**  
Venue : Dr. APJ Abdulkalam Hall

Program Coordinators:  
Dr. K B Raja, Dean and Professor  
Mrs. Deepali Dixit

**Dr. Mamatha B**  
HoD

**Dr. Balakrishna R**  
Principal

**CONTACT US**      [www.rrce.org](http://www.rrce.org)      **9008845678**  
admission@rrce.org      **9900058214**





# RAJARAJESHWARI COLLEGE OF ENGINEERING

## *FROM COLLEGE TO CORPORATE*

### Department of Artificial Intelligence & Machine Learning

**Date of the event :** 14/03/2026

**Venue:** Room No .218, RRCE

**Targeted Participants :** 2 nd & 3rd year students

**Faculty Coordinators:** Mrs. Mamatha K R

#### Overview of the Event:

The Department organized an Alumni Talk on “College to Corporate” to help students understand the transition from academic life to the professional world. The session was delivered by Ms. Aisiri P, an alumna of the 2021–2025 batch, currently working as a Security Operations Centre (SOC) Analyst.

She shared her journey from college to the corporate environment, highlighting the importance of technical expertise, communication skills, and continuous learning for career success. The speaker also provided insights into cybersecurity operations, explaining the roles of SIEM, SOAR, and XDR platforms in monitoring, detecting, and responding to security threats. The session offered valuable guidance on industry expectations and career opportunities in the cybersecurity domain.

The poster is for an alumni talk event. At the top is the college logo and name: RAJARAJESHWARI COLLEGE OF ENGINEERING, An Autonomous Institution Under VTU, Approved by AICTE, UGC & GoK. Below this is the department name: DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING, and the event title: Organizing Alumni Talk. The topic is 'From College to Corporate'. The resource person is Ms. Aisiri P, an alumna of the 2021-25 batch, currently a Security Operations Center Analyst. The program is scheduled for 14th Mar 2026 from 10:30 A.M. to 11:30 A.M. in Room No. 218, RRCE. The program coordinator is Mrs. Mamatha K R, Assistant Professor. Contact information includes the website www.rrce.org and phone numbers 9008845678 and 9900058214. The address is No. 14, Ramahalli Cross, Kumbalagodu, Mysore Road, Bengaluru - 560074.

**RAJARAJESHWARI COLLEGE OF ENGINEERING**  
An Autonomous Institution  
Under VTU, Approved by AICTE, UGC & GoK

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING**  
Organizing Alumni Talk

Topic : 'From College to Corporate'

**RESOURCE PERSON**

  
Alumna - Batch 2021-25  
**Ms. Aisiri P**  
Security Operations Center Analyst  
Experience with SIEM, SOAR, and XDR Platforms



**PROGRAM SCHEDULE**

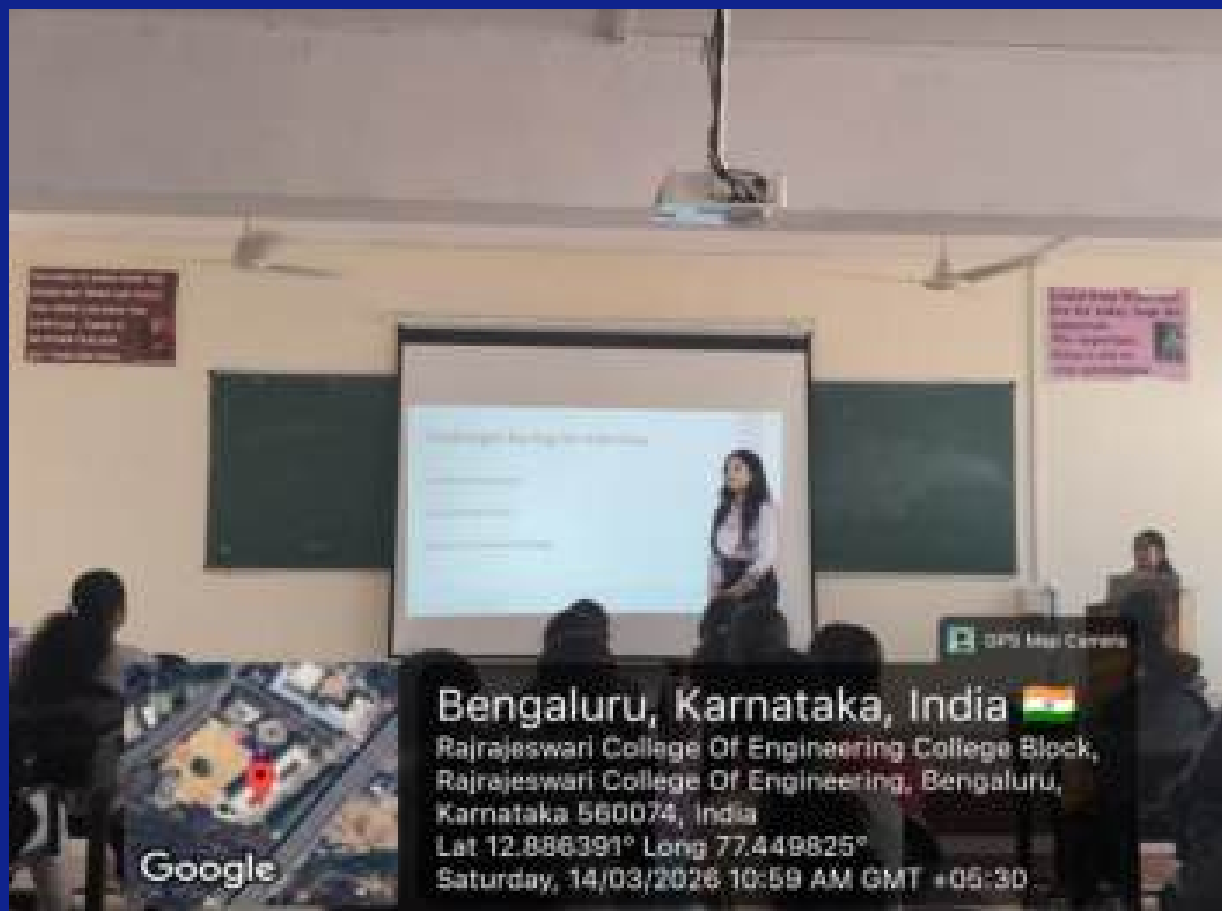
 **14<sup>th</sup> Mar 2026**  **10:30 A.M. to 11:30 A.M.**  
 **Room No. 218, RRCE**

Program Coordinator: **Mrs. Mamatha K R, Assistant Professor**

**Dr. Mamatha B**  
HoD - AIML

**Dr. R. Balakrishna**  
Principal

**Contact Us**  [www.rrce.org](http://www.rrce.org)  **9008845678**  
**9900058214**  No. 14, Ramahalli Cross,  
Kumbalagodu, Mysore Road,  
Bengaluru - 560074





# RAJARAJESHWARI COLLEGE OF ENGINEERING

## *PARENTS TEACHERS MEETING*

### Department of Artificial Intelligence & Machine Learning

**Date of the event :** 11/04/2026

**Venue:** Room No .217, RRCE

**Targeted Participants :** 2 nd & 3rd year students

**Faculty Coordinators:** Mrs. Mamatha K R

#### Overview of the Event:

The Department organized a Parent-Teacher Meeting (PTM) to strengthen communication between parents and faculty regarding students' academic progress and overall development. Parents were informed about the meeting through phone calls and WhatsApp groups.

The meeting provided a platform for interaction among parents, class teachers, subject teachers, and mentors. Discussions focused on students' academic performance, previous semester results, current semester CIE marks, attendance, classroom discipline, and skill development activities. Parents' queries related to academics were addressed by the HOD and faculty members.

Parents actively shared their feedback and appreciated the department's efforts in supporting students' growth. Suggestions regarding timely communication of examination schedules and departmental activities through WhatsApp groups were also discussed. Overall, the meeting enhanced collaboration between parents and the institution, contributing to students' academic success and well-being.





# RAJARAJESHWARI COLLEGE OF ENGINEERING

## INTERDISCIPLINARY PROJECT-BASED LEARNING EXHIBITION

Department of Artificial Intelligence & Machine Learning

Date of the event :16-06-2026

Venue: Dr. Abdul Kalam Hall

Participants: students

Faculty Coordinators: Dr . Raja K B  
Prof . Rajakanth C.B

### Overview of the Event:

The Department of Artificial Intelligence & Machine Learning (AIML), Rajarajeswari College of Engineering (RRCE), successfully conducted an Interdisciplinary Project-Based Learning Exhibition on 16th June 2026 at Dr. Abdul Kalam Hall.

Students showcased innovative projects demonstrating their skills in Artificial Intelligence, Machine Learning, Robotics, and emerging technologies. The exhibition encouraged creativity, teamwork, problem-solving, and practical application of technical knowledge.

**RAJARAJESHWARI COLLEGE OF ENGINEERING**  
— AN AUTONOMOUS INSTITUTION —  
UNDER VTU, APPROVED BY AICTE, UGC & GOK

No. 14, Ramohalli Cross, Kumbalagodu,  
Mysore Road, Bengaluru – 560074

**DEPARTMENT OF**  
**ARTIFICIAL INTELLIGENCE & MACHINE LEARNING**

**INTERDISCIPLINARY**  
**PROJECT-BASED LEARNING EXHIBITION**

**DATE** 16 JUN 2026 **TIME** 10:00 am **VENUE** Dr. Abdul Kalam Hall

**Coordinators:** Dr. Raja K B, Prof. Rajakanth C.B  
**Principal:** Dr. R. Balakrishna  
**HOD-AIML:** Dr. Mamatha. B

Contact Us: 9008845678, 9900058214 | www.rrce.org | No. 14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru - 560074





# RAJARAJESHWARI COLLEGE OF ENGINEERING

## *STUDENT ACHIEVEMENTS*

### *GOOGLE GEMINI STUDENT AMBASSADORS AND PARTICIPANTS OF RIFT HACKATHON 2026*



*ABINAYA V*  
*1RR23AI003*



*PRERANA*  
*1RR23AI041*



# RAJARAJESHWARI COLLEGE OF ENGINEERING

## ***STUDENT ACHIEVEMENTS***

### ***GOOGLE GEMINI STUDENT AMBASSADORS AND PARTICIPANTS OF RIFT HACKATHON 2026***



***RAMU SHREESHAIL  
TOLAMATTI***

***1RR25AI082***



***BHOOMIKA M***

***1RR23AI013***



# RAJARAJESHWARI COLLEGE OF ENGINEERING

## ***STUDENT ACHIEVEMENTS***

Department of Artificial Intelligence & Machine Learning



### ***MANOJ GOWDA***

***IIT GUWAHATI COURSE (COMPUTER SCIENCE DOMAIN) – MANOJ  
GOWDA (CGPA: 8.6, 3RD SEM STUDENT)***



# RAJARAJESHWARI COLLEGE OF ENGINEERING

## ***FACULTY AND STUDENT ACHIEVEMENTS***

| Faculty<br>(Teaching &<br>Non-Teaching)  | No. | Students                                                                                    | No.       |
|------------------------------------------|-----|---------------------------------------------------------------------------------------------|-----------|
| NPTEL                                    | 7   | NPTEL                                                                                       | 40        |
| Other<br>Certification /<br>FDP          | 20  | Coursera ( <i>7th<br/>Sem</i> )                                                             | 5         |
| UGC<br>Sponsored<br>Short-Term<br>Course | 1   | Infosys<br>Springboard<br>( <i>7th Sem</i> )                                                | 51        |
|                                          |     | IIT Guwahati<br>Course (CS<br>Domain) –<br>Manoj Gowda<br>( <i>CGPA: 8.6, 3rd<br/>Sem</i> ) | Completed |
|                                          |     | Other<br>Certification                                                                      | 350       |



# RAJARAJESHWARI COLLEGE OF ENGINEERING

## *RESEARCH & FUNDING ACTIVITY*

Department of Artificial Intelligence & Machine Learning

| S.No | Planned Activity       | Target |
|------|------------------------|--------|
| 1    | Publication by Student | 4      |
| 2    | Publication by Faculty | 10     |
| 3    | Patent Published       | 4      |
| 4    | Patent Grant           | 1      |
| 5    | Book Published         | 2      |



# RAJARAJESHWARI COLLEGE OF ENGINEERING

## *AI EVOLUTION FROM ML TO GENAI*

**Department of Artificial Intelligence & Machine Learning**

**Date of the event :**13-06-2026

**Venue:** Room No. 218

**Participants:** 2 nd & 3 rd year students

**Faculty Coordinators:** Mrs. Mamatha K R

### **Overview of the Event:**

The Department of Artificial Intelligence & Machine Learning organized an Alumni Talk titled "AI Evolution from ML to GenAI" on 13th June 2026. The session was delivered by Mr. Yashavanth I, a distinguished alumnus of the 2020-2024 batch, currently working as a Jr.XR Developer, GGS Information Services Bangalore. The objective of the event was to bridge the gap between academic learning and industry expectations by providing students with practical insights into the rapidly evolving field of Gen AI.

**RAJARAJESHWARI**  
**COLLEGE OF ENGINEERING**  
An Autonomous Institution  
Under VTU, Approved by AICTE, UGC & GoK  


**DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING**  
Organizing Alumni Talk

**RESOURCE PERSON**  
Alumnus - Batch 2020-24  
**Mr Yashavanth L**  
Jr.XR Developer  
GGS Information Services  
Bangalore

**Topic :**  
**AI Evolution  
from ML to GenAI**



**MACHINE LEARNING** → **DEEP LEARNING** → **GENERATIVE AI**

 Explore the evolution from traditional machine learning to the power of Generative AI. Understand key advancements, real-world applications, and the future of intelligent systems.

 **13<sup>th</sup> June 2026**  
(Saturday)

 **10:30 A.M.**  
to **11:30 A.M.**

 **Room No. 218,**  
RRCE

**Program Coordinator:** **Mrs. Mamatha K R,** Assistant Professor

**Dr. Mamatha B**  
HoD - AIML

**Dr. R. Balakrishna**  
Principal

**Contact Us**  [www.rcce.org](http://www.rcce.org)  9008845678  
9900058214  No. 14, Ramohalli Cross,  
Kumbalgodu, Mysore Road,  
Bengaluru - 560074



# RAJARAJESHWARI COLLEGE OF ENGINEERING

## *ENGINEERING THE FUTURE OF DATA SCIENCE*

### Department of Artificial Intelligence & Machine Learning

**Date of the event:** 26-05-2026

**Venue:** Room No. 218

**Participants:** 2 nd & 3 rd year students

**Faculty Coordinators:** Mrs. Mamatha K R

#### Overview of the Event:

The Department of Artificial Intelligence & Machine Learning organized an Alumni Talk titled "Engineering the Future of Data Science" on 23rd May 2026. The session was delivered by Mr. Harsha R, a distinguished alumnus of the 2020-2024 batch, currently working as a Data Analyst at Subex, Bangalore.

The objective of the event was to bridge the gap between academic learning and industry expectations by providing students with practical insights into the rapidly evolving field of Data Science.



## RAJARAJESHWARI COLLEGE OF ENGINEERING

An Autonomous Institution  
Under VTU, Approved by AICTE, UGC & GoK

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

Organizing Alumni Talk



RESOURCE PERSON

Alumnus - Batch 2020-24

**Mr Harsha R**

Data Analyst  
Subex  
Bangalore

Topic :

### Engineering the future of data science



Explore how data science is transforming industries and shaping the future. Gain insights, inspiration and guidance from an industry professional on the journey from college to corporate.

23<sup>rd</sup> May 2026  
(Saturday)

10:30 A.M.  
to 11:30 A.M.

Room No. 218,  
RRCE

Program Coordinator: **Mrs. Mamatha K R**, Assistant Professor

**Dr. Mamatha B**  
HoD - AIML

**Dr. R. Balakrishna**  
Principal

Contact Us

[www.rrce.org](http://www.rrce.org)

9008845678  
9900058214

No. 14, Ramohalli Cross,  
Kumbalgodu, Mysore Road,  
Bangalore - 560074



# RAJARAJESHWARI COLLEGE OF ENGINEERING

Department of Artificial Intelligence & Machine Learning

***FACULTY ACHIEVEMENT***

***NPTEL STAR***



***DR. MAMATHA BHANGI***  
***ASSOCIATE PROFESSOR & HOD***

***Congratulations***



# RAJARAJESHWARI COLLEGE OF ENGINEERING

Department of Artificial Intelligence & Machine Learning

## *STUDENT ACHIEVEMENT*

- *SPEAKER AT REACTPLAY*



**PRERANA**  
**1RR23AI041**

*Congratulations*



# RAJARAJESHWARI COLLEGE OF ENGINEERING

Department of Artificial Intelligence & Machine Learning

## MOU DETAILS

**Date of the event :16-03-2026**

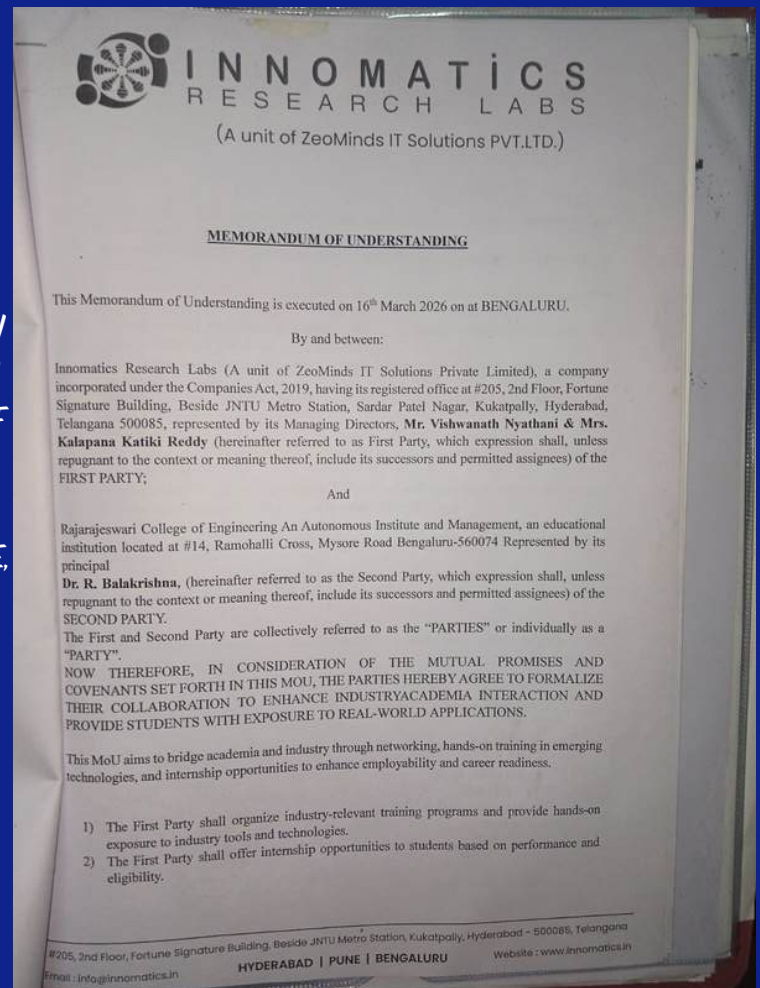
### overview of Event:

**MEMORANDUM OF UNDERSTANDING (MOU): AN MOU SIGNED ON 16TH MARCH 2026 IN BENGALURU BETWEEN INNOMATICS RESEARCH LABS (ZEOMINDS IT SOLUTIONS PVT. LTD.) AND RAJARAJESHWARI COLLEGE OF ENGINEERING (RRCE).**

**PURPOSE OF THE MOU: TO STRENGTHEN INDUSTRY-ACADEMIA COLLABORATION BY PROVIDING STUDENTS WITH PRACTICAL EXPOSURE, HANDS-ON LEARNING, AND CAREER DEVELOPMENT OPPORTUNITIES.**

**TRAINING PROGRAMS: INNOMATICS RESEARCH LABS WILL ORGANIZE INDUSTRY-RELEVANT TRAINING PROGRAMS AND PROVIDE STUDENTS WITH EXPERIENCE IN MODERN TOOLS AND EMERGING TECHNOLOGIES.**

**INTERNSHIP OPPORTUNITIES: ELIGIBLE STUDENTS WILL RECEIVE INTERNSHIP OPPORTUNITIES BASED ON THEIR PERFORMANCE AND ELIGIBILITY CRITERIA, HELPING THEM GAIN REAL-WORLD INDUSTRY EXPERIENCE.**





# RAJARAJESHWARI COLLEGE OF ENGINEERING

## Department of Artificial Intelligence & Machine Learning

### PATENT PUBLICATIONS-2025-26

#### overview of Patent :

**PATENT PUBLICATIONS (AY 2025-26):** THE DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING, RAJARAJESHWARI COLLEGE OF ENGINEERING, HAS PUBLISHED 7 PATENT APPLICATIONS, DEMONSTRATING ACTIVE RESEARCH AND INNOVATION.

**RESEARCH AREAS:** THE PATENTS FOCUS ON ARTIFICIAL INTELLIGENCE, QUANTUM COMPUTING, PREDICTIVE ANALYTICS, GREEN COMPUTING, AND HEALTHCARE TECHNOLOGY, ADDRESSING REAL-WORLD INDUSTRIAL AND SOCIETAL CHALLENGES.

**KEY INNOVATIONS:**

- AI-POWERED PREDICTIVE ANALYTICS FOR REAL-TIME DECISION-MAKING.
- QUANTUM-CLASSICAL OPTIMIZATION SYSTEM INTEGRATING AI AND QUANTUM ANNEALING FOR SOLVING COMPLEX OPTIMIZATION PROBLEMS.
- ENVIRONMENTAL IMPACT-AWARE CODE OPTIMIZATION USING CARBON FOOTPRINT PREDICTION MODELS.
- BIOSENSOR DEVICE FOR THE EARLY DETECTION OF CANCER CELLS.

**PUBLICATION STATUS:** OUT OF THE SEVEN PATENTS, SIX HAVE BEEN PUBLISHED, WHILE ONE PATENT (BIOSENSOR DEVICE FOR THE DETECTION OF CANCER CELL) HAS BEEN GRANTED, HIGHLIGHTING THE DEPARTMENT'S RESEARCH EXCELLENCE.

**FACULTY CONTRIBUTIONS:** THE PATENTS WERE CONTRIBUTED BY FACULTY MEMBERS INCLUDING DR. S. JAGANNATHAN, DR. MAMATHA B., PROF. MAMTHA K. R., PROF. DEEPAI A. DIXIT, AND PROF. RAJAKANTH C. B., REFLECTING STRONG FACULTY INVOLVEMENT IN INNOVATION AND INTELLECTUAL PROPERTY DEVELOPMENT.

| Rajarajeswari College of Engineering                                                                                                                             |         |                  |                                                                                                                         |                    |           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------|-----------|
| (An Autonomous Institute, under Vigneshwara Technological University, Belagavi, Approved by AICTE, UGC & GoK, Accredited by ISO 9001:2015 Certified Institution) |         |                  |                                                                                                                         |                    |           |
| Sponsored by: MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST                                                                                                       |         |                  |                                                                                                                         |                    |           |
| Department of Artificial Intelligence & Machine Learning                                                                                                         |         |                  |                                                                                                                         |                    |           |
| Patent Publications                                                                                                                                              |         |                  |                                                                                                                         |                    |           |
| SLNO                                                                                                                                                             | AY      | Name of Faculty  | Title of the Patent                                                                                                     | Application Number | Published |
| 1                                                                                                                                                                | 2025-26 | Dr S Jagannathan | A Quantum-Classical Optimization System with Quantum Annealing and AI-ML Integration for Combinatorial Problem Solving. | 202541106432 A     | Published |
| 2                                                                                                                                                                |         | Dr S Jagannathan | AI-Powered Predictive Analytics System for Real-Time Decision Making                                                    | 202541039262 A     | Published |
| 3                                                                                                                                                                |         | Dr. Mamatha. B   | Environmental Impact-aware code optimization compiler using carbon footprint prediction models                          | 202541100997       | Published |
| 4                                                                                                                                                                |         | Dr. Mamatha. B   | Biosensor Device for the Detection of Cancer Cell                                                                       | 467912-001         | Grant     |

Prof. H. H. Head  
Dept. of Artificial Intelligence & Machine Learning  
RAJARAJESHWARI COLLEGE OF ENGINEERING  
Kumbalnagar, Mysore Road,  
Belagavi-591074

Phone: +91-80-28437124 / 28437375 <https://www.rccce.org>

| Rajarajeswari College of Engineering                                                                                                                             |         |                       |                                                                                                |              |           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------|------------------------------------------------------------------------------------------------|--------------|-----------|
| (An Autonomous Institute, under Vigneshwara Technological University, Belagavi, Approved by AICTE, UGC & GoK, Accredited by ISO 9001:2015 Certified Institution) |         |                       |                                                                                                |              |           |
| Sponsored by: MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST                                                                                                       |         |                       |                                                                                                |              |           |
| Department of Artificial Intelligence & Machine Learning                                                                                                         |         |                       |                                                                                                |              |           |
| Patent Publications                                                                                                                                              |         |                       |                                                                                                |              |           |
| 5                                                                                                                                                                | 2025-26 | Prof. Mamtha K. R     | Environmental Impact-aware code optimization compiler using carbon footprint prediction models | 202541100997 | Published |
| 6                                                                                                                                                                |         | Prof. Deepali A Dixit | Environmental Impact-aware code optimization compiler using carbon footprint prediction models | 202541100997 | Published |
| 7                                                                                                                                                                |         | Prof. Rajakanth C. B  | Environmental Impact-aware code optimization compiler using carbon footprint prediction models | 202541100997 | Published |

Prof. H. H. Head  
Dept. of Artificial Intelligence & Machine Learning  
RAJARAJESHWARI COLLEGE OF ENGINEERING  
Kumbalnagar, Mysore Road,  
Belagavi-591074

+91-80-28437124 / 28437375 <https://www.rccce.org>