RAJ KUMAR GOEL INSTITUTE OF TECHNOLOGY

AI INSIGHTS

NEWSLETTER OF CSE (AI&ML) DEPARMENT

VOLUME 3 | ISSUE 2

Chief Patrons
Shri Dinesh Kr. Goel
Shri Akshat Goel

Patrons
Dr. Lakshman Prasad
Dr. D. K. Chauhan
Dr. B. C. Sharma
Dr. Vinish Kumar

Editor
Ms. Rama Sharma

CONTENTS

INSTITIUTE

Vision

To continually develop excellent professionals capable of providing sustainable solutions to challenging problems in their fields and prove responsible global citizens.

Mission

We wish to serve the nation by becoming a reputed deemed university for providing value–based professional education.

DEPARTMENT

Vision

To emerge as an advanced center of learning to nurture professionals industry friendly, research oriented and value based in the field of artificial intelligence and machine learning.

Mission

M1: To train students in latest technological domain of Artificial Intelligence and Machine Learning.

M2: To inculcate ethical values, soft skills and leadership skills in students to serve the industry and society.

Message From Our Mentors

"Our mission is to empower our students and guide them towards a path of unparalleled success and excellence."

Warmest congratulations to the Department of Computer Science & Engineering (Artificial Intelligence & Machine Learning) on the release of AI INSIGHTS – Volume 3, Issue 1! This edition beautifully reflects your commitment to academic excellence and innovation.

From exceptional academic achievements to active participation in clubs and extracurriculars, your students showcase a perfect blend of intellect and creativity.

Wishing the department continued success as you keep pushing boundaries and achieving new milestones in the world of AI and beyond!

Dr. B. C. Sharma
Director, RKGIT

Welcome to a New Semester in the CSE-AI&ML Department!

A warm welcome to all our bright minds — new and returning! You are now part of a field that is not just evolving, but leading the future. Artificial Intelligence and Machine Learning are at the heart of global innovation, and by being here, *you've stepped into a future full of possibilities.

This semester brings real-world projects, workshops, and research-driven learning — each designed to unlock your potential. Our faculty and facilities are here to support and empower you at every step.
Let's make this semester a stepping stone towards a brighter tomorrow. AI is not just the future — it's your future, and with the right mindset, there's no limit to what you can achieve.

Dr. Vinish Kumar
Professor & HOD
CSE (AI&ML), RKGIT

Faculty Achievements

Dr. Vinish Kumar
Professor & HOD
CSE (AI&ML), RKGIT

- Successfully completed the **Faculty Development Program (FDP)** on **AI Driven Technology in VLSI Design for IOT Applications** Held from 30th Dec 2024 to 6th Jan 2025.
- Successfully completed the **Faculty Development Program (FDP)** on **AI-based Image Processing for Bio-medical Applications (AIIPBM-2025)** Held from 17th Feb 2025 to 28 Feb 2025.
- Successfully completed the **NPTEL (National Programme on Technology Enhanced Learning) course** with earning a certificate on **Data Mining** on 28th March 2025.
- Presented research paper on **Efficient Liver and Tumor identification from CT Images and Clinical Data Using a Hybrid Deep Learning and Machine Learning Model, AECE 2025 RKGIT, Ghaziabad** in March 2025.
- Attended workshop on **"NEP 2020- Pedagogy & Assessment in Higher Education"**, held on 24th May 2025.

- Presented research paper on **Efficient Liver and Tumor identification from CT Images and Clinical Data Using a Hybrid Deep Learning and Machine Learning Model, AECE 2025 RKGIT, Ghaziabad** in March 2025.
- Successfully completed the **Faculty Development Program (FDP)** on **Generative AI and its Impact on Computing application 2025** held from 24th March 2025 to 28th March 2025.
- Delivered a guest lecture on "**Research paper writing**" in Indraprastha Institute of Information Science , Delhi on 20th April 2025.
- Successfully completed the **NPTEL course with earning a certificate** on **Education of Sustainable Development** in May 2025.
- Attended workshop on **"NEP 2020- Pedagogy & Assessment in Higher Education"**, held on 24th May 2025.

Mr. Virat Raj
Assistant Professor
CSE (AI&ML), RKGIT

Ms. Mahima Tayal
Assistant Professor
CSE (AI&ML), RKGIT

- Successfully completed the **Faculty Development Program (FDP)** on **AI-based Image Processing for Bio-medical Applications (AIIPBM-2025)** Held from 17th Feb 2025 to 28 Feb 2025.
- Presented research paper on **Efficient Liver and Tumor identification from CT Images and Clinical Data Using a Hybrid Deep Learning and Machine Learning Model, AECE 2025 RKGIT, Ghaziabad** in March 2025.
- Successfully completed the **Faculty Development Program (FDP)** on **Generative AI and its Impact on Computing application 2025** held from 24th March 2025 to 28th March 2025.
- Successfully completed the NPTEL course with earning a certificate on **Education of Sustainable Development** in May 2025.
- Successfully completed the NPTEL course with earning a certificate on **Machine Learning** in May 2025.
- Attended workshop on **"NEP 2020- Pedagogy & Assessment in Higher Education"**, held on 24th May 2025.

Faculty Achievements

- Presented Paper online on **Enhancing Cybersecurity Through Explainable Machine Learning : A comprehensive Study on Threat Detection and Mitigation** in **ICDAM** on 13th April 2025.
- Attended workshop on **"NEP 2020- Pedagogy & Assessment in Higher Education"**, held on 24th May 2025.

Mr. Vikas Gupta
Assistant Professor
CSE (AI&ML), RKGIT

- Presented Paper on **Threshold-Based Recovery in Queue Theory: Addressing Server Breakdowns, Catastrophic Events, and Customer Reneging** in **Journal of Reliability and Statistical Studies** on 10th Jan 2025.
- Reviewer in **E2ACON 2025, NIT Jalandhar** on 8-9 March, 2025.
- Presented Paper on **Mapping the Scientific Research on Queueing Systems: Trends and Developments AECE – 2025,** RKGIT, Ghaziabad on 13th March 2025.
- Presented Paper on **Maximizing Efficiency and Controlling Congestion in Interlinked Queueing Models for Integrated Voice and Data Communication Networks in DICCT-2025, IEEE Conference, Ghaphic Era Uni.,Dehradun** on 20-21 March 2025.
- Successfully completed the **NPTEL course with certificate** on **Advenced Computer Networks** on 27th April 2025.

Mr. Neeraj Kumar
Assistant Professor
CSE (AI&ML), RKGIT

- Attended FDP on **"Quantum Machine Learning: Bridging the Gap Between Quantum Computing and AI"**, from 06th January 2025 to 11th January 2025.
- Attended **SERB-INAE Skill Enhancement Workshop on Teaching and Research**, from 28th February 2025 to 01st March 2025.
- Attended **Hands-on Training on "Systematic Literature Review, Bibliometric Analysis and Data using R"**, from 18th March 2025 to 22nd March 2025.
- Completed Course on **"Python Foundation", from Infosys Springboard**, held from 14th April 2025 to 16th April 2025.
- Completed Workshop on **"Exploring Machine Learning using Python"**, from 28th April 2025 to 30th April 2025.
- Presented Paper on **Enhancing Proactive Talent Management in Private Banking with Machine Learning-Based Evaluation of Person-Organization Fit** at **AECE 2025, RKGIT, Ghaziabad** in March 2025.
- Presented Paper on **Machine Learning Algorithms for Auto Insurance Fraud detection: Comparative Study in GIEST 2025,RKGIT,Ghaziabad** on 14th April 2025.

Ms. Shalu Tyagi
Assistant Professor
CSE (AI&ML), RKGIT

Faculty Achievements

- Successfully completed the Faculty Development Program (FDP) on **Machine Learning** Held from Jan 2025 to March 2025.
- Successfully completed the **NPTEL course with earning a certificate** on **Machine Learning** in May 2025.
- Attended workshop on **"NEP 2020- Pedagogy & Assessment in Higher Education", RKGIT Ghaziabad** held on 24th May 2025.
- Presented Paper on **Cardiovascular Disease Detection using Stacking Meta - Learner with Pipeline Machine Learning** in **Neural Computing & Applications (SCI Q1 Indexed)** on 13th June 2025.

Ms. Arundhati Walia
Assistant Professor
CSE (AI&ML), RKGIT

Ms. Leena Chopra
Assistant Professor
CSE (AI&ML), RKGIT

- Presented Paper on **Enhancing Proactive Talent Management in Private Banking with Machine Learning-Based Evaluation of Person-Organisation Fit** at **AECE 2025, RKGIT, Ghaziabad** in March 2025.
- A patent titled **"FACE TRACKING DEVICE"** published and accepted by the **Indian Patent Office** (Patent No. 406789-001) published on 26 March 2025,
- **Presented Paper on Ant Colony Optimization with Quantum-Inspired Strategies for Optimizing Parameters in Quantum Neural Networks for Agricultural Prediction in ICDAM on 13th April 2025.**
- Successfully completed the **NPTEL course with earning a certificate** on **Machine Learning** in May 2025.
- Attended workshop on **"NEP 2020- Pedagogy & Assessment in Higher Education", RKGIT Ghaziabad** held on 24th May 2025.

- Completed Course on **Supervised Machine Learning and Classification,** held from 1st Dec 2024 to 31st January 2025.
- Completed Course on **Supervised Unsupervised Advanced ML**, **Coursera** on 01st Jan 2025.
- Completed Course on **Advanced Learning Algorithms**, held from 2nd Feb 2025 to 3rd Mar 2025.
- Completed Course on **Advance Machine Learning , Coursera** from 02nd Feb 2025 to 30th April 2025.
- Completed Course on Unsupervised Learning Recommenders ,Reinforcement Learning on 4th Mar 2025 to 30th Mar 2025.
- Completed Course on "Python Foundation", from Infosys Springboard, held from 14th April 2025 to 16th April 2025.
- Attended workshop on **"NEP 2020- Pedagogy & Assessment in Higher Education", RKGIT Ghaziabad** held on 24th May 2025.
- Attended Workshop on "**Workshop on AI Health Care"** held from 16th June 2025- 18 June 2025.

Ms. Gunjan Tomar
Assistant Professor
CSE (AI&ML), RKGIT

Ms. Rama Sharma
Assistant Professor
CSE (AI&ML), RKGIT

- Attended workshop on **"NEP 2020- Pedagogy & Assessment in Higher Education"**, held on 24th May 2025.
- Successfully completed the **Faculty Development Program (FDP)** on **Data Analytics using Power BI, ExceIR Edtech Pvt. Ltd.** held from 28th July 2025 to 1st August 2025.

Departmental Achievements

🏅TECHNICAL CERTIFICATION HIGHLIGHTS

✅ More than **350 certifications** were earned by second and third-year students across multiple domains including **AI, Machine Learning, Python, and Cloud Computing**.

🌐 Students actively participated in national and international MOOCs hosted by platforms like **NPTEL, Coursera (IBM, Duke), AWS, Infosys, and MongoDB University**.

🧑‍💻 Over 21 students completed **IBM's "Introduction to Artificial Intelligence"** course via Coursera, reinforcing the department's AI-driven learning path.

🏛️ Hands-on skills were gained through internships and industrial training, notably:

> **50-day internships at NETCAMP in Web Development**, Android & Network Management (completed by 12 students in total).

> **Certifications from Simplilearn, SkillUp, and HP** on trending technologies like AI for Beginners (52 students participated).

🏆 Participation in competitive and innovation events like **Hack the Prompt, Binary Hacks, and Smart-Site Sprint** with outstanding student involvement.

💻 INTERNSHIP HIGHLIGHTS – BRIDGING ACADEMIA AND INDUSTRY

The Department of CSE (AI & ML) continues to prioritize industry readiness by facilitating impactful internship opportunities for its students. **Over 126 second-year students** successfully completed a **30-day Artificial Intelligence internship with CODEC Technologies**. Additionally, **12 students** undertook a **50-day industrial training program with NETCAMP**, gaining hands-on experience in Web Development, Android with Core Java, and Network Management.

Additionally, three **third-year** students completed internships at **Interns Veda, Main Flow Services and Technologies, and Languify,** gaining valuable insights into emerging tech domains.

Final-year students secured internships at reputed organizations such as **Qmansys Infosolutions LLP (10+ students)** and **CodSoft (15+ students)**. Noteworthy placements included **DRDO, JP Morgan, HCL, MSME, and Prodigy Infotech**. Some students received prestigious paid offers, including **S**YNCHRONIZED **(₹34,000/month), DronaMaps Pvt. Ltd. (₹5,000/month)**, and **COSMIC365/ZYKOON/Project Blaze (₹20,000 for 3 months)**, showcasing the department's dedication to bridging academic learning with real-world industry exposure.

"SURPASSING PREVIOUS RECORDS, STUDENTS HAVE ACHIEVED OVER 350 CERTIFICATIONS IN VARIOUS TECHNICAL DOMAINS THIS SEMESTER".

Departmental Activities

Recent Trends of Industry

Guest Lecture

01

The objective of this guest lecture is to introduce 2nd-year B.Tech AIML students to the emerging trends and evolving technologies shaping the current industrial landscape. The session aims to bridge the gap between academic learning and industry expectations by providing insights into areas such as Artificial Intelligence, Machine Learning, Data Science, Cloud Computing, Edge AI, Automation, and Industry 4.0.

Recent Trends of Industry
on 23 May 2025

Orientation Program 2024–25

02

Orientation

Dr. B.C. Sharma (Director, RKGIT)
on 18 Sept 2024

An Orientation Program 2024–25 was conducted to welcome **IInd year students** into the field of AI and ML. The event was graced by dignitaries including **Dr. B.C. Sharma, Shri H.G. Garg, Dr. R.K. Yadav,** and **Dr. Vinish Kumar**. Special thanks to **Mrs. Mahima Tayal** for organizing the program and to all dignitaries for their valuable guidance.
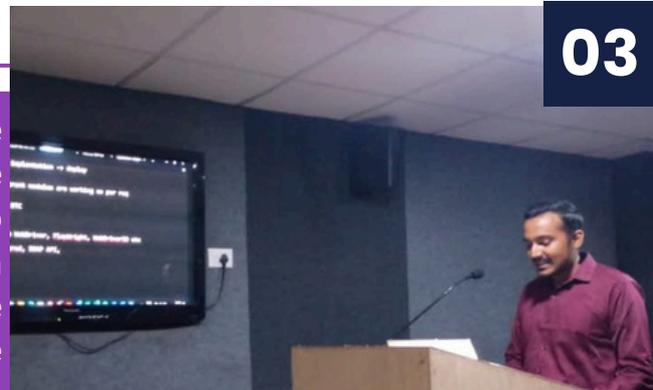
Generative Artificial Intelligence

Workshop

03

The objective of the Hands-On workshop on Generative Artificial Intelligence is to introduce students to the cutting-edge world of AI that creates — from text to images, music to code. It aims to equip learners with both foundational knowledge and hands-on experience using popular Gen AI tools like ChatGPT and DALL·E. The workshop also explores real-world applications across industries, encouraging creativity and innovation.

Mr. Amit Arjun Verma
(Senior Software Engineer) on 16 May 2025

MoU with GUVI Geek Network Pvt. Ltd

04

Collaboration

MoU Signing
on 16 May 2025

The **Department of CSE (AI & ML)** signed a Memorandum of Understanding (MoU) with **GUVI Geek Network Pvt. Ltd.** to foster industry–academia collaboration and enhance learning for students. This partnership aims to provide opportunities such as **internships, workshops, expert sessions, and industrial visits**. It is a step toward equipping students with in-demand skills and real-world exposure in the field of AI and ML.

Departmental Activities

Inspiring Session by Mr. Vansh Sharma
Alumni Talk

An Alumni Talk was organized for **IInd year students** in the D-Block Seminar Hall. The session featured **Mr. Vansh Sharma,** an **Software Implementation & Product Analyst,** who inspired students to enhance their technical skills and prepare for the evolving demands of the IT and AI industries. The event was made possible through the efforts of **Dr. Vinish Kumar** and was smoothly coordinated by **Mrs. Shalu Tyagi**.

05

Mr. Vansh Sharma (Software Implementation & Product Analyst)
on 21 Mar 2025

MoU with Morling Global Pvt. Ltd.
Collaboration

06

MoU Signing
on 23 May 2025

The **Department of CSE (AI & ML)**, has formed a valuable partnership with **Morling Global Pvt. Ltd.** to enhance student learning.

This collaboration offers opportunities such as **internships, workshops, and industrial visits**, providing practical industry exposure. It aims to equip students with the essential skills and knowledge needed to succeed in the fast-changing technology sector.

GUVI HCL, Noida
Industrial Visit

An industrial visit to expose students to real-world applications of coding, AI, and upskilling platforms driven by industry needs. This visit aims to bridge academic concepts with practical implementations in EdTech, showcasing how learning platforms like GUVI empower future engineers with employable tech skills.

07

At GUVI HCL
on 30 April 2025

Centre for Dev. of Advanced Computing, Noida
Industrial Visit

08

CDAC, Noida
on 09 May 2025

An industrial visit to **CDAC, Noida**, was organized for **IInd year students**. The visit enriched their technical skills and provided practical exposure to software development processes and real-time applications that will help shape their future careers. Special appreciation goes to **Dr. Vinish Kumar** for leading this initiative, with **Mr. Virat Raj Saxena** and **Ms. Asra Mufti** serving as dedicated faculty coordinators.

Departmental Activities

NASSCOM, Gurugram

Industrial Visit on 08 April 2025

09 This engaging industrial visit to **NASSCOM (National Association of Software and Service Companies), Gurugram** is to bridge the gap between academic learning and industry practices. This visit aims to provide students with firsthand exposure to the dynamic world of IT, innovation, and emerging technologies.The visit also intends to inspire students to align their skills with industry needs and explore career pathways in the digital economy.

Departmental Club Activities

CSI EVENT: BYTE 2 BUISNESS

Ideathon

The primary objective of "Byte 2 Business" is to inspire and empower students to bridge the gap between technical knowledge and real-world applications. The competition encourages participants to develop innovative AI-driven solutions, particularly in deep learning, that address complex challenges in various domains such as healthcare, business, and society. It aims to foster creativity, teamwork, and entrepreneurial thinking by transforming technical concepts into impactful business models and functional prototypes.

Byte 2 Business
03 June 2025

The CSE-(AI&ML) Department fosters various specialized clubs, each contributing to the realm of artificial intelligence and machine learning.

- **AI INSIGHT,** with **Krishna Agarwal IIIrd Year** as **President** and **Nirankar IInd Year** as **Vice President**, launches the department's inaugural newsletter, facilitating knowledge dissemination.
- **AI Innovators,** led by **Vansh Sharma, IVth Year** as **President** and **Abhishek Chaunkar, IInd Year** as **Vice President**, hosts monthly departmental events.
- **Social Menia,** with **Sakshi Sharma IIIrd Year** has **President** and **Sujal Gupta IIrd Year** as **Vice President**, releases social media content.
- **AI Hacks Club**, under **Himanshi IIIrd Year** as **President** and **Ayush Sharma IIIrd Year** as **Vice President**, orchestrates hackathons focusing on AI.
- Additionally, **Lens and Reel,** spearheaded by **Shivam Maurya, IIIrd Year** as **President** and **Aman Singh, IIIrd Year** as **Vice President**, elevates visual storytelling through AI and ML.

BATCH
2021-25

R.K.G. Group of Institutions
5km stone, Delhi Meerut road, Ghaziabad, UP

Pushpak Club Wishes You, Smooth Sailing

CONGRATULATIONS AASTHA PUNDIR

Congratulations on being selected as the Sub-Lieutenant in Indian Navy.
Your dedication and courage inspire us.
As you embark on this honorable journey from tomorrow, know that
your Pushpak family stands with pride beside you.

PUSHPAK RKG

RAJ KUMAR GOEL INSTITUTE OF TECHNOLOGY
5th K.M. STONE, DELHI-MEERUT ROAD, GHAZIABAD-(U.P.) 201003

Department of CSE (AI&ML)

"RKGIT proudly shapes responsible leaders who serve the nation with pride."

Shri Akshat Goel, Vice Chairman - RKG Group and
Dr. B.C. Sharma, Director - RKGIT extend their warmest
congratulations and best wishes for a bright future.

AASTHA PUNDIR
(Student of CSE AI&ML)
on her prestigious selection as
Sub-Lieutenant in the Indian Navy

"We are proud of your
achievement and wish you
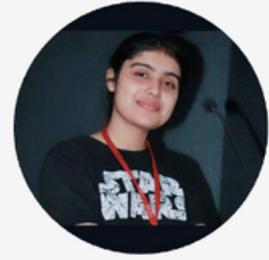great success at the *Indian
Naval Academy, Ezhimala!*"

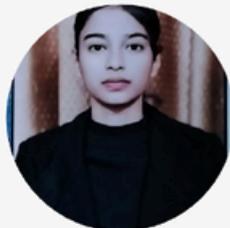cse_aiml_rkgit   cse_aiml_rkgit   cse_aiml_rkgit   cse_aiml_rkgit

NAMAN PAL
RINEX TECH. , BENGALURU
10 LAKH PA

ISHIKA GARG
EDUSTATION , BENGALURU
06 LAKH PA

SAKSHI SHARMA
MOVIDU TECH., NOIDA
06 LAKH PA

ROSHNI SHARMA
ZOXIMA SOL. PVT. LTD. , NOIDA
06 LAKH PA

TUSHANK TYAGI
ROUND THE CLOCK TECH., NOIDA
09 LAKH PA

SWABHIMAN SINGH
MOVIDU TECH., NOIDA
06 LAKH PA

Students Achievements

AI-Powered Cognitive Research Paper
RKGIT

We are proud to share that **Rohit Kumar Yadav**, a **3rd Year** student of CSE (AI & ML), has contributed an impressive research paper titled **"Modeling Memory Retention with Ebbinghaus's Forgetting Curve and Interpretable Machine Learning on Behavioral Factors."** Demonstrating a strong grasp of cognitive science and machine learning, he has also developed a complete working model with code and a deployed website to support his findings. This remarkable effort reflects the department's emphasis on innovation, research, and real-world application of AI in education.

Rohit Kumar Yadav - 3rd Year CSE (AI&ML) on 11 April 2025

Shubham & Ishan - 2nd Year CSE (AI&ML) on 26 April 2025 & 04 June 2025

RKGIT GUVI Day Hackathon
RKGIT

Shubham Sharma and **Ishan Singhal** from the Department of CSE (AI & ML) showcased their technical brilliance by securing **1st position** in the **RKGIT GUVI Day Hackathon** organized by **GUVI in collaboration with HCL**, highlighting their coding excellence and problem-solving capabilities.

In another remarkable achievement, **Team Trifecta** featuring **Shubham, Ishan** & **Kanak Sharma** from the CSE Departmen and secured **1st position** in the **CSI Intra-College Hackathon**. Their collaborative effort and innovative approach made a lasting impression, further enriching the department's legacy of excellence.
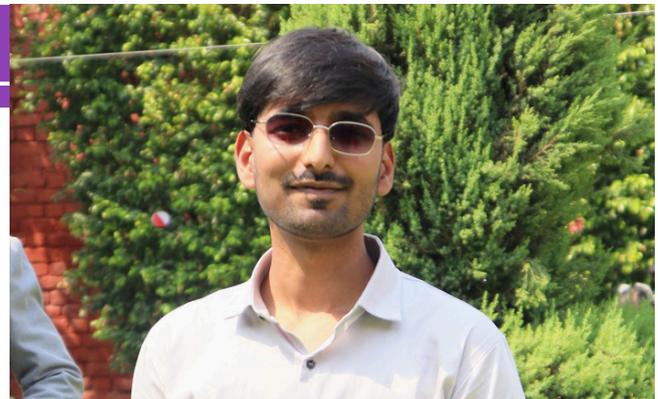
BINARY HACKATHON | CODEATHON
RKGIT

Kameshwar Singh, a talented student from the CSE (AI & ML) branch of RKGIT, secured **1st position in the Binary Hack-a-thon** and **5th position in the Code-a-thon**. His remarkable achievements highlight the department's focus on fostering innovation and real-world problem-solving skills. Kameshwar's dedication, creativity, and technical excellence continue to inspire his peers and set a benchmark for future success.

Kameshwar Singh - 3rd Year CSE (AI&ML) on 27 April 2025

Harshita Shrivastava & Avnav Teotia- 3rd Year CSE (AI&ML) on 27 April 2025

TECH DEBATE – LOGIX
RKGIT

Harshita Shrivastava and **Avnav Teotia**, two brilliant minds from the CSE (AI&ML) department, made us proud by securing the **2nd** and **3rd** Positions respectively in the **Tech Debate organized by LOGIX**. Their outstanding articulation, logical thinking, and confident presence set them apart in a highly competitive environment. Their achievement reflects the spirit of excellence and expression nurtured within our department, inspiring future leaders to shine.