



RAJ KUMAR GOEL INSTITUTE OF TECHNOLOGY



DEPARTMENT OF COMPUTER SCIENCE



NEXODE

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CONTENT

1. About RKGIT
2. Institute – Vision and Mission
3. Message from patrons
4. Department – Vision and Mission
5. Message from Editors
6. Student Coordinators
7. Faculty Achievement
8. Faculty Corner
9. Events
 - Guest Lecture
 - Industrial Visit
 - Workshop
10. Departmental Society
11. Student Achievements
12. Student Corner



ABOUT

RKGIT

Raj Kumar Goel Institute of Technology (RKGIT), Ghaziabad, established in 2000, is a premier institution dedicated to providing high-quality technical and professional education, Affiliated with Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow, and approved by AICTE. RKGIT has built a strong reputation for academic excellence, discipline, and holistic development. The college offers a range of undergraduate and postgraduate programs in engineering, pharmacy, and management, with a strong emphasis on innovation, research, and industry integration. With modern infrastructure, state-of-the-art laboratories, dedicated faculty, and a vibrant campus environment, RKGIT nurtures future-ready professionals equipped to meet global challenges. Driven by the vision of empowering students through knowledge, ethics, and leadership. RKGIT continues to be a transformative force in shaping young minds for a better tomorrow.





INSTITUTE VISION & MISSION

Vision

To emerge as an institute of eminence to nurture value-based, intellectually sound and innovative human resources capable of providing sustainable solutions to scientific, technological and managerial problems at the national and international level.

Mission

- To provide state-of-the-art infrastructure, and matching resources to nurture motivated, knowledgeable and value-based professionals.
- To interact and collaborate with professionals, industry, academic institutions and society to enrich academic processes.
- To foster a culture of innovation, entrepreneurship and social responsibility among students.

Message From Chairman



Raj Kumar Goel Institute of Technology has always stood as a beacon of quality education, innovation, and ethical values. Our aim is to nurture young minds with the knowledge and skills required to thrive in a dynamic world.

Within this vision, the Department of Computer Science has emerged as a key contributor—driving academic excellence, industry relevance, and technological advancement. I am proud of the department's consistent efforts in creating a vibrant learning environment that empowers students to become future-ready professionals.

Best wishes to all
Sh. Dinesh Goel
Chairman
RKG Group of Institution

From Vice - Chairman



RKGIT continues to uphold its commitment to excellence in education, innovation, and character building. As we move forward in this journey, I am pleased to witness the growing impact of the Department of Computer Science in shaping capable and forward-thinking professionals.

The department's focus on academic strength, technical skills, and overall development is truly commendable. I appreciate the dedication of the faculty and the enthusiasm of the students. May you keep achieving greater milestones and bring pride to the institution.

Best wishes to all
Sh. Akshat Goel
Vice - Chairman
RKG Group of Institution

From Advisor's Desk



The Department of Computer Science is built on a vision of academic excellence, innovation, and holistic development. With a future-focused curriculum and dedicated faculty, we aim to equip students with the skills and mindset needed to thrive in a rapidly evolving tech landscape.

Our goal is to nurture not just competent professionals, but also responsible individuals who contribute meaningfully to society. I am confident that the department will continue to grow as a center of learning, creativity, and impactful contributions in the world of technology.

Best wishes to all
Dr. Laxman Prasad
Advisor
RKG Group of Institution

From Executive Director



At RKGIT, we are committed to empowering students through quality education, industry alignment, and values-driven learning. Our constant focus is on creating an environment where innovation and excellence can thrive.

The Department of Computer Science exemplifies this vision through its academic commitment, practical orientation, and forward-looking initiatives. I applaud the department for its role in preparing students to face the challenges of the digital era with confidence and competence.

Best wishes to all
Dr. D.K. Chauhan
Executive Director
RKG Group of Institution

From Director



At RKGIT, we believe in fostering a learning environment that encourages innovation, discipline, and holistic development. The Department of Computer Science has consistently demonstrated excellence through its dedication to academic rigor, practical learning, and a forward-thinking approach.

I commend the department's efforts in preparing students to meet the evolving demands of the tech industry and contribute meaningfully to society. Let us continue to strive for excellence and uphold the values that define our institution.

Best wishes to all
Dr. B.C. Sharma
Director
RKGIT



DEPARTMENT VISION & MISSION

Vision

To inspire and empower students to excel in computer science fostering innovation, creativity, and technological advancements to meet the evolving challenges of the digital world.

Mission

- **To provide strong fundamentals and technical skills for Software Applications through effective teaching learning methodologies.**
- **To transform lives of the students by nurturing ethical values, creativity and novelty to become Entrepreneurs and establish start-ups.**
- **Equip students with the tools and mindset needed to address global technological challenges, emphasizing ethical considerations, and social responsibility in their work**

EDITORS



Chief Editor

Dr. Ritu Agarwal

The Department of Computer Science is committed to nurturing young minds through quality education, innovation, and industry-oriented learning. We focus on project-based approaches, enriched with the latest advancements in technology.

I appreciate the efforts of our students and faculty in maintaining academic excellence and look forward to continued collaboration and growth within our department.

Warm regards,

DR. RITU AGARWAL

(HOD , CS)



Editor

Dr. Veena Bharti

As a faculty member of the computer science department, it is a privilege to be part of an environment that encourages curiosity, critical thinking, and continuous learning. We strive to guide our students not just in mastering core technical skills, but also in developing a mindset geared toward innovation and responsible application of technology.

Warm regards,

DR. VEENA BHARTI

(ASSOCIATE PROFESSOR)

STUDENT COORDINATORS



**Somya Sanjeev
Varshney**



Ram Gupta



Vani Dadu



Shreya



Kanak

TEAM OF FIVE, WORKING AS ONE FORCE



FACULTY ACHIEVEMENTS

JOURNALS AND CONFERENCES

1.DR. RITU AGARWAL HOD CS

- A research paper titled "Performance Evaluation of SAE-O-BILSTM for predicting the Suicidal Behavior" published in the conference "International Conference on Computing and Intelligent Technologies" in March 2025.

2.DR. VEENA BHARTI

- A Research paper titled "Digitalization of Integrated Industrial IOT Technologies for Monitoring and Cloud Analysis in Sustainable Horticultural Practices, published in the conference "International Conference on Intelligent Control, Computing and Communications" in April 2025.
- A research paper titled "Peer-to-Peer Integrated Smart gardening automation Using Cloud Technology with Real-Time Environmental Monitoring and Logging via cloud dashboard" was published in the conference "International Conference on Intelligent Control, Computing Communications" in April 2025.
- A research paper titled "IOT and Cloud-Based Automated Saline Fluid Control System for Intravenous Therapy" was published in the Conference "Devices for Integrated Circuit (DevIC)" in May 2025.
- A research paper titled "Emoji Support: Predictive Health Assessment using Machine Learning: Unveiling Personalized Intervention Avenues" published in the "International Journal of Experimental Research and Review (IEJRR) Scopus Indexed "in August 2024.



FACULTY ACHIEVEMENTS

3. MR. PRATAP SINGH BHATI

- A paper titled “Emotion Recognition Using Deep Learning on EEG Data for Stress and Anxiety Detection” was published in the conference “ International Conference on Advanced Computing and Intelligent Technologies” in December 2024.

PATENTS/ GRANTS PUBLISHED

1.DR.RITU AGARWAL HOD CS

- A grant patent titled “Virtual Assistant Robot” with grant date 25/09/24.

2.DR. VEENA BHARTI

- A grant patent titled “AI based Virtually Reality Headset” with grant date 03/09/24.
- A patent has been published in IPO dated 24/03/25 “AI- Driven Automated Test Case generation System for Software Development” .



FACULTY ACHIEVEMENTS

EXPERT LECTURES

1.DR. RITU AGARWAL HOD CS

- Delivered an Expert lecture on the topic “Data Structures and Data Analysis” in School of Sciences, Christ University Delhi NCR.
- External Evaluator for the BCA Internship major project in School of Sciences, Christ University Delhi NCR.

NPTEL CERTIFICATION

1.DR.RITU AGARWAL HOD CS

- Completed NPTEL course with silver elite of course “INTRODUCTION TO INTERNET OF THINGS” in Jul- Oct 2024.

2.DR.VEENA BHARTI

- Completed NPTEL course with silver elite of the course “INTRODUCTION TO INDUSTRY 4.0 AND INDUSTRIAL INTERNET OF THINGS” in July-Oct 2024.

3.MR.PRATAP SINGH BHATI

- Completed NPTEL with good score of the course “GOOGLE CLOUD COMPUTING FOUNDATIONS” in Aug-Oct 2024.



FACULTY ACHIEVEMENTS

FDP ATTENDED

1.DR.RITU AGARWAL HOD CS

- "Machine Learning and Artificial Intelligence"
- "Bootcamp for FDP on Big Data and Data Science"
- "Quantum Machine Learning: Bridging the gap between Quantum Computing and AI"
- "Introduction to IOT"

2. DR. VEENA BHARTI

- "Machine Learning and Artificial Intelligence"
- "Bootcamp for FDP on Big Data and Data Science"
- "Quantum Machine Learning: Bridging the gap between Quantum Computing and AI"
- Introduction to industry 4.0 and industrial Internet of Things

3. MR. PRATAP SINGH BHATI

- "Machine Learning and Artificial Intelligence"
- "Bootcamp for Big Data and Data Science"
- "Google Cloud Computing Foundations"
- "Quantum Machine Learning: Bridging the gap between Quantum computing and AI"



FACULTY ACHIEVEMENTS

Ph.D PURSUING



MR. PRATAP SINGH BHATI

Pursuing Ph.D in CSE from
"GALGOTIAS UNIVERSITY"

Session: 2024-25

FACULTY CORNER

Computer Science itself is a rapidly evolving and dynamic field that forms the backbone of today's digital world. From developing software applications and managing databases to creating cutting-edge technologies like cloud computing, cybersecurity, blockchain, and quantum computing, it offers diverse career paths. BTech students gain critical problem-solving, analytical, and technical skills that are highly valued across industries. With the integration of AI, the Internet of Things (IoT), and data science, computer science is now at the heart of innovation in areas such as healthcare, education, space exploration, and smart cities. As technology continues to shape the future, computer science remains a powerful and essential domain for students aiming to build impactful and future-proof careers.



Ms. Tanvi Tyagi

Assistant Professor

GUEST LECTURE

Inspiring Minds, Shaping Futures



Dr. Shilpa Srivastava

The Department of Computer Science hosted an informative guest lecture on "Navigating the Journey from Project to Publication: An AI-Driven Approach" on 10th October 2024 at 2:30 PM. The session was delivered by Dr. Shilpa Srivastava, Associate Professor at the School of Sciences, Christ University (Delhi-NCR Campus).

Ms. Anjali Kumari

"The CS Department organized a guest lecture on 'Success is an Attitude' for 2nd-year students on 23rd September 2024. The motivational session fostered positive thinking for academic and personal growth."



Mr. Amit Pandey

Expert Talk on "How to Navigate Career in AI World" The Department of Computer Science organized an expert talk on 26th May 2025 by Mr. Amit Pandey, Director at Optum. He shared insights on AI tools, career paths, and industry trends. The session was coordinated by Dr. Veena Bharti under the guidance of Dr. Ritu Agarwal.



INDUSTRIAL VISIT

Where Concepts Come Alive: The Industry Experience



CCPL

Coco Cola Pvt limited

The Department of Computer Science organized an industrial visit to the Coca Cola Industry on 8th November 2024 for 2nd year A section students. The visit exposed students to real-world corporate environments and working conditions, bridging the gap between academic learning and industry practices.

BLOGICS

An industrial visit to Blogics was successfully conducted on 16th November 2024 for 2nd year B section students. The visit provided valuable exposure to software development processes and helped students understand the industry's expectations and current trends in tech-based workplaces.



CEL

An industrial visit to Central Electronics Limited (CEL), Sahibabad, was successfully conducted on 22nd April 2025 for 2nd-year CS students. The visit offered hands-on insights into electronic manufacturing and bridged the gap between academic learning and real-world industry practices.



WORKSHOPS

From Theory to Tools: Bridging the Gap with Workshops

AlgoVerse

The Department has organized a workshop on "Exploring the World of Data Structures" on 16th December 2024 at the Computer Center, A Block Basement. Industry expert Amit Srivastava (BRAIN MENTORS Pvt. Ltd.) led the session with hands-on demonstrations. Coordinated by Dr. Veena Bharti under Ms. Ritu Agarwal's guidance, the event saw active participation from students and faculty.



High Performance Computing

The Department of Computer Science successfully conducted an AICTE-SANKALP workshop on 'High Performance Computing' on 23rd April 2025. Dr. Kumud Saxena, Dean of SCSIT at NIET, delivered an insightful session covering HPC fundamentals, parallel architectures, and applications. The event, coordinated by Dr. Veena Bharti with support from HoD Dr. Ritu Agarwal, included interactive discussions and concluded with a Q&A session.





FUTURISTA

DEPARTMENTAL SOCIETY

BRAWL BITS

"Futurista's BRAWL Bits" (Nov 14, 2024) electrified programmers through high-stakes, one-on-one coding duels on HackerRank. After multiple knockout rounds featuring challenging problems, Team Chic Coders triumphed through superior skill and consistency. The competition successfully fostered technical excellence and competitive programming enthusiasm among all participants.



CLUESUTRA

Futurista Society's thrilling treasure hunt challenged teams through 3 escalating rounds. Participants combined physical ability and quick thinking to solve clues, culminating in a campus-wide race to unravel the final mystery. This perfect blend of intellect and adventure left all competitors energized and inspired.

CAPITAL - QUEST

On May 23-24, the Futurista Society's Capital Quest tested entrepreneurial talent through two rigorous rounds: teams completely reinvented products, websites, and business models before pitching to judges in a simulated investment showdown, creating the ultimate proving ground for innovation, strategy, and persuasive communication skills crucial for tomorrow's business leaders.





STUDENT ACHIEVEMENT

SIYA BHARDWAJ

- Secured 1st Position in "IT'S DEBATABLE 2.0" held at RKGIT.

VIKASH PAL

- Got selected for the Geekverse Hackathon ONLINE ROUND organized by GEEK ROOM USAR & IEEE WIE USAR.
- Has secured 2nd Position in the XLR8-HACKATHON under the fest AMPLIFIER'25, organized by Sri Venkateswara College, University of Delhi.

RANA SAKSHAM SINGH

- Has successfully completed his Training in 'WEB DEVELOPMENT' from MOOD INDIGO, IIT BOMBAY.

AYUSH BADOLA

- Has presented poster in the competition during IEEE International Conference organized in AKGEC.
- Done an internship for 6 months in R-CUBE - participated in E- SUMMIT, BUILD WARS organized by MINDFLARE

KARTIK GOYAL

- Got 1st Position in Tatva'25 in 'WEB DESIGNING' in our college
- Got 1st Position in 'Hack The Prompt' organized by AI- HACKS, CSE-AIML (RKGIT)
- Secured 1st position in 'CANVONICS' organized by AECE society, ECE in RKGIT

AKSHAT AGARWAL

- Has successfully completed course of DATA ANALYSIS, DATA VISUALISATION, PYTHON FOR DS, AI & DEVELOPMENT from "IBM"
- Completed practical tasks in DATA ANALYSIS in "Delloite"

ANUBHAV TYAGI

- Secured 2nd Position in basketball in TATVA'25.
- Got 3rd Position in TECHTRIX'25.
- Secured 1st Position in SRIJAN 2025 of AECE Society

DAKSH TYAGI

- Secured 2nd Position in Kho - Kho in TATVA'25.
- Secured 2nd Position in Kabaddi in TATVA'25.
- Secured 1st Position in Inter College Kabaddi Championship



STUDENT ACHIEVEMENT

Sarthak Rana

- 3rd Position in CANVONICS 2025
- 1st Position in HACK THE PROMPT organised by AI-Hacks
- 2nd Position in Web Designing in TATVA'25

Varnika Saini

- Secured 2nd Position in Table Tennis in TATVA'25
- Secured 2nd Position in IMPACTATHON - 2025 organised by Delhi Institute of Higher Education, Noida

Yakshap Tyagi

- Secured 2nd position in IMPACTATHON - 2025 organised by Delhi Institute of Higher Education, Noida

Shaivi Verma

- Secured 2nd position in IMPACTATHON - 2025 organised by Delhi Institute of Higher Education, Noida

Shivam kumar Dubey

- Completed Internship with International Model United Nations
- Completed Data Science job simulation course
- Completed HP LIFE online course on Data Science and Analytics

Khushi Sangal

- 1st Position in Nukkad Natak in Tatva'25
- Secured 2nd Position in Stage Play in Tatva'25

Ram & Saumya

- Secured 3rd position in bytetobuisness event organized by computer society of India

Raj

- Secured 1st Position in Skill Junction Basketball League and received 12000 Cash Prize.
- Special Achievement : mvp of league (foxsky's flagship edition 32" LED)



STUDENT CORNER

while (curious):

learn ()

build ()

grow ()

```
field = "Computer Science"
```

```
passion = True
```

```
if passion and field ==
```

```
"Computer Science":
```

```
future = "Built with Code  
and Heart"
```

```
print(future)
```

- KARTIK

Ashes fall, but flames remain,
From every loss, you rise again.
Your heart's a phoenix, fierce
and bold,
Turn your failures into gold.

Don't fear the scars or broken
ways,
They teach you strength for
better days.

- SARTHAK

Stuck on a coding problem?
Break it down into smaller steps.
Google error messages
(seriously!).
Ask for help—every coder does!

- CHAVI

Thinking deeply isn't a
weakness—it helps us grow and
understand ourselves better.
Even tough thoughts can lead to
clarity and strength when used
the right way. In the end,
everything depends on
thinking.

- RAM



We write loops — to learn, to fail,
to grow
We fix bugs —
in programs, and sometimes, in
ourselves.
We build —
apps, ideas, futures.
Each line we write
is a quiet promise:
I will figure it out.

And when the code runs clean,
when it all makes sense —
we smile,
not because it's over,

- SIYA

Between deadlines and debug frights,
We light our lamps through countless
nights.
Each project, a puzzle; each class, a
climb,
But every line of code marks time.
We're just not learning bits and bytes,
We're wiring futures into flights.

- SETU

While the world sees chaos, we
seek the flow,
Through data's depths and
systems, we go.
Computer science — not just
wires and code,
But the language of minds in
curious mode.

- VANSH

Bugs and tests, a daily fight,
Deadlines chasing day and night.
Every fail's a lesson, true—
A better coder grows in you.

Step by step, line by line,
Fix the code, your skills will shine.
Life's a loop, but here's the scope:
Mistakes are just the code for hope!
So debug your fears — and run your
dreams!

- SWATI



OUR DIGITAL SPACE



@cs.rkgit



@RKGIT CS



@Computer Science RKGIT



@cs_rkgit