



DARPAN

Issue I

2024-25

VISION OF THE INSTITUTE

To become a leading Institute in Technical education fostering innovation, research, ethical values, and sustainable development for the betterment of society.

MISSION OF THE INSTITUTE

To impart high quality Technical Education through:

- Innovative and Interactive learning process and high quality, globally recognized instructional programs.
- Fostering a collaborative scientific temper among students with ethical responsibility towards the society.
- Preparing students from diverse backgrounds to have aptitude for employment, entrepreneurship and research with a spirit of professionalism.
- To contribute to the nation's sustainable development.

R. C. Patel Institute of Technology, Shirpur established in 2001 in Shirpur, is an Autonomous Institute accredited with an 'A' grade by NAAC and affiliated with Dr. Babasaheb Ambedkar Technological University. The Institute offers advanced facilities like IIT Bombay Virtual Labs to enhance experiential learning, beginning with hands-on projects and internships in the third semester. It has a robust career readiness program, partnerships with over 150 recruiting companies, and a strong placement record. Additionally, Institute provides flexible major-minor degree options and training programs for soft skills and foreign languages, including German, and Japanese.

VISION OF THE DEPARTMENT

To provide cutting-edge Computer Engineering education in Data Science while instilling socio-moral values.

MISSION OF THE DEPARTMENT

- To deliver state-of-the-art ICT-enabled teaching and learning to achieve excellence in Data Science education.*
- To develop professionally competent Data Science Engineers, meeting evolving industrial and societal needs.*
- To prepare employable professionals with ethical values and a commitment to professional and social responsibility.*

The Department of Computer Science & Engineering (Data Science) at R. C. Patel Institute of Technology, Shirpur was established in 2020 to meet the growing demand for skilled data science professionals. It offers an undergraduate program focused on data analysis, algorithmic thinking, and statistical modeling. Data Science combines mathematics, statistics, computer science, and domain-specific knowledge to evaluate structured and unstructured data, covering areas such as data mining, machine learning, and artificial intelligence. As businesses across various sectors leverage data for decision-making, the role of a Data Scientist is highly sought after, promising significant growth and global opportunities.

DIRECTOR'S MESSAGE



Prof. Dr. Jayantrao Bhaurao Patil
Director, RCPIT, Shirpur

“At R. C. Patel Institute of Technology, Shirpur, we don’t just educate engineers — we empower innovators, entrepreneurs, and ethical professionals. Our approach of blending academic rigor with real-world exposure ensures that students are not only job-ready but also future-ready. With a strong emphasis on research, interdisciplinary learning, and soft skills, our graduates emerge as well-rounded individuals prepared to lead in a fast-changing global landscape.”

HOD'S MESSAGE



Dr. U. M. Patil
Head Of Department

“The Department of Computer Science and Engineering (Data Science) at R. C. Patel Institute of Technology, Shirpur, was established in 2020 to meet the growing global demand for skilled data science professionals. Since its inception, the Department has steadily progressed towards academic and research excellence, fostering innovation in data-driven technologies. With a strong foundation in interdisciplinary learning, industry-oriented practices, and a commitment to ethical values, we continue to nurture competent data science professionals. Our focus on ICT-enabled teaching, research, certifications, and co-curricular engagement reflects our mission to meet evolving societal and industrial demands. This newsletter highlights our collective achievements and aspirations as we advance towards becoming a center of excellence in Data Science education.”

EDITOR'S MESSAGE



Prof. Atul D. Mairale
Faculty Editor

DEAR READERS,

This edition of the newsletter gives you comprehensive coverage of all the major events that have occurred inside the department, in addition to all the other regular activities and achievements that are described in its columns. The Department is committed to provide its students an education that is among the greatest in the world through a combination of demanding academic study, the excitement of discovery, and a range of intellectual stimulation.

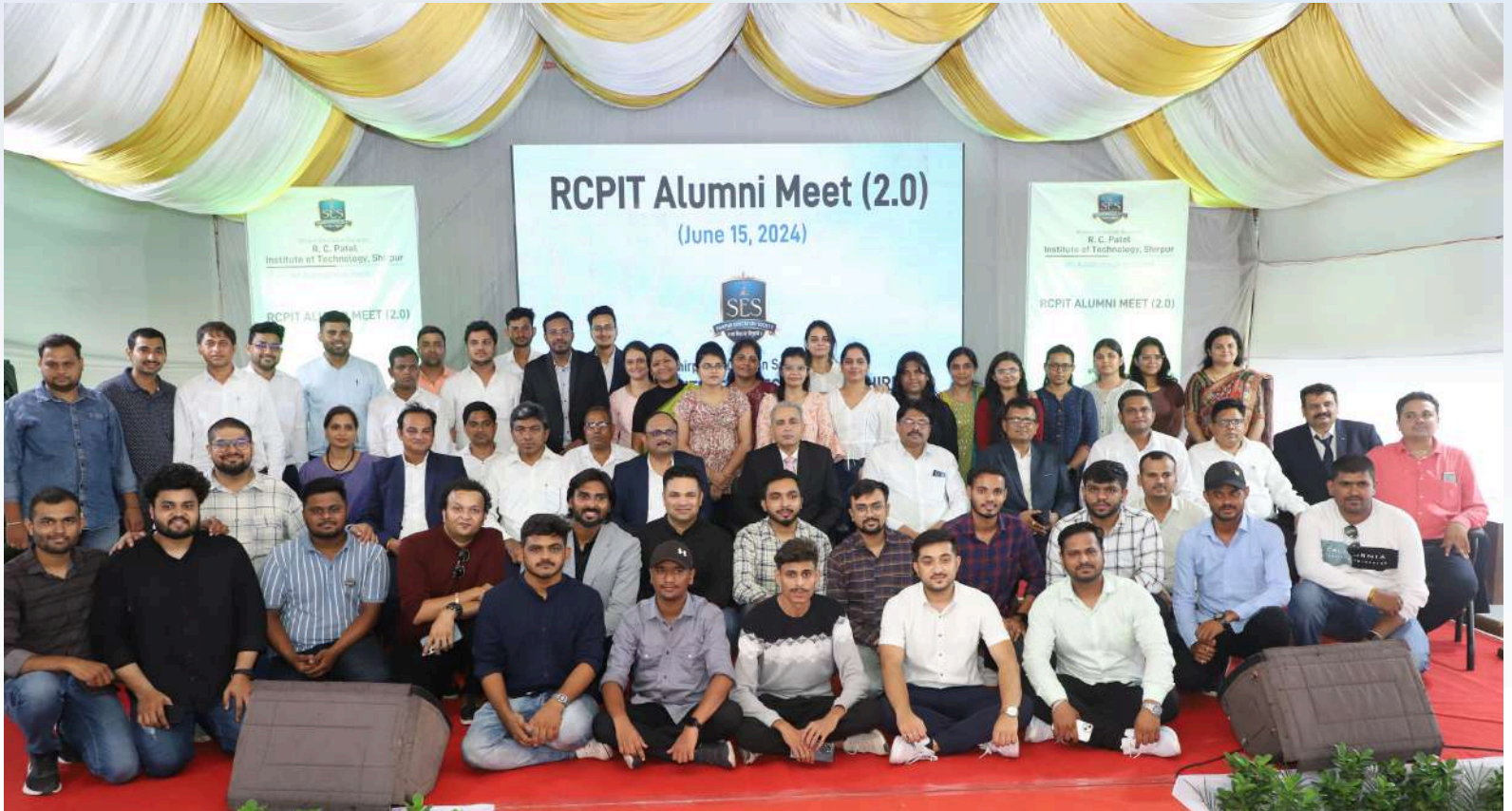


Mr. Uday Bhartiya
Student Editor



Ms. Riya Deshmukh
Student Editor

SPOTLIGHT



Alumni Meet 2024 held successfully on the campus!

The Institute will complete 25 years next year. In this context, the Alumni Meet-2024 was organised. All alumni who have studied at the college since its inception were invited. Despite being busy with jobs, businesses, and personal lives, hundreds of alumni attended the meeting. They expressed their affection and gratitude for the college, sharing many anecdotes from their college lives. Stating that they, too, owe something to their beloved college, all the alumni came together to establish the 'RCPIT Alumni Association' and announced its executive committee and responsibilities.

The Institute actively runs numerous programs, not only for its current students but also for those who have studied there in the past. This ensures that thousands of students remain connected to the college even after completing their degrees. Furthermore, current students draw inspiration from the inspiring educational journeys of the alumni. Valuable guidance is received from alumni working in high-level positions in the industrial sector.

SPOTLIGHT



Session on Machine Learning Model Deployment

The Department of Computer Science and Engineering (Data Science) and AIML at R. C. Patel Institute of Technology, Shirpur, organized a session on Machine Learning Model Deployment on 9 November 2024 at the Computer Centre. Conducted under the guidance of Dr. U. M. Patil and Prof. A. K. Patil, the session introduced students to machine learning concepts, model training, evaluation, and deployment using Flask. Final-year students Rohit Patil and Kushal Jain demonstrated real-world applications through diabetes and heart disease prediction projects. Participants learned model serialization using Pickle and developed interactive web applications integrating trained models. Students also received an assignment to build an Iris Flower Detection project, reinforcing their practical understanding of end-to-end machine learning deployment.

SPOTLIGHT



Alumni Interaction with Ms. Dhanashri Pankaj Saner

Ms. Dhanashri Saner, a Data Engineer at Midoffice Data and an alumna of R. C. Patel Institute of Technology, recently conducted an insightful session for second-year engineering students focusing on project selection on Dec 24, 2024. Drawing from her professional experience and academic journey, she provided valuable guidance to help students navigate the process of choosing meaningful and impactful projects.

During the session, Ms. Dhanashri emphasized the importance of aligning projects with current industry trends and encouraged students to explore innovative ideas. Her practical advice and firsthand experiences offered students a clearer perspective on how to approach their semester projects effectively.

Prof. Dr. Ujwala Patil, Head of the department, has been instrumental in motivating students to leverage alumni interactions for their academic and professional growth. Recognizing the value of real-world insights, she encouraged students to actively participate in alumni-led sessions focused on project selection and internship preparation.



This year's *Ganesh* immersion, led by the college students, was a vibrant blend of tradition, creativity, and environmental awareness. The students were guided by Dr. Amruta Bhandari, Dean of Student Welfare, and Dr. Ujwala Patil, Head of Department, along with fellow faculty members.

STUDENTS ACTIVITIES



Joyful Freshers' Party organised for first-year students

A freshers' party, "Aarambh" (Beginning), for first-year engineering students at the Institute was held with enthusiasm in the R. C. Bhandari Hall. This event followed a two-week Student Induction Programme-2024, which began after the admission process for first-year students was completed. During this program, eminent experts from various fields such as education, health, yoga, employment, management, sports, examinations, and cyber law interacted with the students. Two parallel initiatives, 'Selfie with Success' and 'Bridge Course', were also held. Sports competitions like cricket, chess, carom, and badminton were organised for the students.

STUDENTS ACTIVITIES



Cultural festival of *Garba* dance celebrated

Students enthusiastically participated in the 3 day workshop organized by the Reflection Club and later on celebrated the *Garba* night. The Durga Aarti was performed by Hon. Mrs Jayshreeben Patel, former Mayor of Shirpur, and other dignitaries.



Celebration of '*Vachan Prerna Din*' (Reading Inspiration Day)

Students celebrated October 15 as '*Vachan Prerna Din*' to mark Dr. APJ Kalam's birth anniversary. On this occasion, the Library organized a book exhibition in coordination with Prof. Dr. U. M. Patil, Head of Department (CSE DS) and Prof. M. S. Patil, department coordinator.

STUDENTS ACHIEVEMENTS



Successful selection in Capgemini

Three final-year engineering students, Pawar Trupti Suhas, Pranjal Mahendra Chaudhari, and Chaudhari Neha Sachindrasing, have been selected for the post of Software Developer at the multinational company Capgemini. The selected students for the post of Software Developer, with an annual salary package of INR 4.2 lakh. Capgemini is a French multinational company that provides consulting, technology, professional, and outsourcing services. Its headquarters are in Paris, France.

Successful placement in Zitix Pvt. Ltd.



The Training and Placement department at R.C. Patel Autonomous Engineering College contacted the renowned company Zitix Pvt. Ltd. and organised a selection process. Zitix Pvt. Ltd. assists in financial engineering, fundraising, and strategic and organic growth planning through the innovative use of advanced technology. Wagh Trupti Dnyaneshwar is among the eight students selected for the post of Software Developer with an annual salary of INR 4 lakh.

STUDENTS ACHIEVEMENTS



Successful placement in TCS

TCS, a Tata Group company, is the largest Indian software exporter with 230 offices in 46 countries worldwide. More than 500 graduates from the college are currently working in various positions at TCS. We proudly announce that four students- Chaudhari Neha Sachendrasing, Patil Ashwini Avinash, Adil Bhikan Khatik, Shivam Kishorilal Yogi, were selected through TCS Digital (annual salary of INR 7 lakh) while Pawar Trupti Suhas was selected through TCS Ninja (annual salary of INR 3.36 lakh)



Successful placement

We happily announce that Pawar Trupti Suhas has been selected in Netwin Infosolutions for the post of Junior Software Engineer with an annual salary package of INR 4.5 lakh. We also congratulate Khushi Shankar Pande for being selected in Casepoint as a Software Developer with an annual salary package of INR 3 lakh.

STUDENTS ACHIEVEMENTS



'Full Stack Software Developer Certification' program

A 'Full Stack Software Developer Certification' training program, a joint initiative of Symbiosis Skill University, Pune, and Capgemini, was recently conducted at the Institute through Corporate Social Responsibility (CSR) initiative.

Eligible youths from disadvantaged sections of society (family income less than eight lakh) were given high-quality, placement-focused, skill-based training in the information technology sector for the duration of two and a half month. The training focused on Basics of Java, Java: Object-Oriented Language, Advanced Java Concepts, Object-Oriented Design, Front-end Development, and Java Project Submission.

Upon successful completion of the training, Prof. Dr. U. M. Patil congratulated the students and the Placement cell.

Successful placement in Quality Kiosk

Established in 2000, Quality Kiosk is one of the world's largest independent quality engineering providers. The company provides services in quality engineering, QA automation, performance assurance, intelligent automation and RPA, customer experience management, site reliability engineering, digital testing, cloud, and data analysis solutions.

We are happy to share that following students were selected as a Software Engineer Trainee with an annual salary of INR 2.5 lakh: - Shruti Laxmikant Pathak, Anuj Mohan Gujarati, Jayesh Sanjay Patel, Girish Surendra Patil, Harshada Sanjay Mali, Akshay Bhalerao Pawar, Dhanashri Pankaj Saner, Prabhat Ramesh Wakade, Ashwini Avinash Patil, Sachin Vinayak Dabhade, Adil Bhikan Khatik, Kanchan Prakash Mahajan, and Ram Girish Paliwal.

DEPARTMENT ACTIVITIES

Expert Talk on Career in Cyber Security & Digital Forensic

We had successfully organized an Expert Session on “Career In Cyber Security & Digital Forensic” on Saturday, 6th may 2023 in the Auditorium Hall. The talk was delivered by Mr. Nikhil S. Mahadeshwar, Cyber Security Expert, Digital Forensics Investigator & Tech Innovator. We are organized this expert talk to introduce undergraduate students to emerging opportunities in digital security. Cyber security expert Mr. Nikhil S. Mahadeshwar explained cyber threats, digital forensic investigation, and industry career paths. The session highlighted essential technical skills, certifications, and current trends. It motivated students to explore high-demand careers while developing practical knowledge required to protect digital systems and investigate cybercrimes.

Head of Department, Dr. Ujwala Patil mam, observed satisfaction over the interaction and thanked that the expert session greatly contributed to students’ learning and professional growth. Hon. Director Dr. J B Patil, and Hon. Dy Director Dr. P J Deore, have expressed their satisfaction over the initiative.



DEPARTMENT ACTIVITIES



Expert Talk on Recent Trends in LLM/NLP

The department had successfully organized an Expert Session on “Recent Trends in LLM/NLP” on 5 Oct, 2024. The talk was delivered by Mrs Vijaya Ahire, Sr. Technical lead, PTC in the Auditorium Hall. We organized this expert talk to provide our students with valuable insights into the latest trends, innovations, and real-world challenges in the AI field. The extensive experience and expertise of the invitee made her an ideal speaker to inspire and guide our students as they now prepare to enter the professional world. Head of Department, Dr. Ujwala Patil mam, observed satisfaction over the interaction and thanked that the expert session greatly contributed to students’ learning and professional growth. Hon. Director Dr. J B Patil, and Hon. Dy Director Dr. P J Deore, have expressed their satisfaction over the initiative.

DEPARTMENT ACTIVITIES



Inauguration of the "Communicado" club

Effective communication skills are essential at all stages of life, including higher education, employment, and social and professional life. The "Communicado" club was established to help students communication skills necessary for bright opportunities in the engineering field and success in the workplace. The club will be committed to organising various competitions, seminars, workshops, etc. Dean of Student Affairs Dr. Amruta Bhandari, and Coordinator Dr. Kishor Thakare provided guidance while HOD Dr. Ujwala Patil expressed her best wishes.

Student Editorial Board

Mr. Uday Bhartiya
Ms. Riya Manoj Deshmukh
Mr. Sarthak Patil
Mr. Vaishnav Patil
Mr. Tejas Chaudhari

Ms. Shubhangi Thakare
Mr. Kalesh Patil
Mr. Digambar Bharat Patil
Ms. Sayali Bharat Jadhav
Mr. Vinit Bari

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