



DARPAN

Issue I

2025-26

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



Dr. Kiran Chaudhari
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.



Ms. Riya Deshmukh
Student Editor



Mr. Vaishnav Patil
Student Editor

STUDENTS ACHIEVEMENTS



Only Team from Maharashtra to Reach the Final of Unicorn Dubai Summit 2026

Six third-year students from the Artificial Intelligence, and Machine Learning, Data Science, and Electronics and Telecommunication Engineering departments have qualified for the final round of the prestigious global Unicorn Dubai Summit 2026. The event will be held from January 9 to 12, 2026, at Academic City, Dubai, UAE.

The project was developed under the continuous guidance of Head of Department **Dr. U. M. Patil**. The selected students are **Yash Dipak Yelave, Sayali Bharat Jadhav, Siddhesh Vikas Chaudhari, Dipali Arjun Patil, Chetana Mahesh Bhavsar, and Kavita Bhausaheb Patil**. The team's journey from Shirpur to Dubai began with the qualifying round held on November 2, 2025, at Malla Reddy University in Hyderabad. More than 1,000 international teams participated in the competition, including only 40 teams from India. The team is the only one from Maharashtra to qualify for the final round, bringing pride to the state.

Their project, AI-Powered Adaptive Traffic Signal Control System, aims to make urban traffic management smarter and more efficient. The project replaces traditional fixed-timer traffic signals with an intelligent AI-based system. The students were congratulated by Chairman Amrishbhai Patel, Vice Chairman Rajgopal Bhandari, Secretary Resha Patel, Director Dr. J. B. Patil, and the faculty members.

STUDENTS ACHIEVEMENTS



Students Successfully Clear NAT-Q5 Japanese Language Examination and secure Internship-cum-Job Training at TCS

For several years, the Institute has been conducting Japanese and German language training programs for its students. Recently, students, Anuj Lalit Mahajan, Harshada Ravindra Sonawane, Rakesh Dnyaneshwar Patil, and Mali Dipali Vilas achieved notable success in the JLPT N-5 Japanese language certification examination. The primary objective of the foreign language training initiative is to equip students with essential linguistic skills and provide them with global academic and career opportunities. These students were also selected by Tata Consultancy Services, TCS for Internship-cum-Jon training.

Since the academic year 2017–18, a Japanese language training program has been conducted which emphasizes extensive practice and full-time engagement. This achievement reflects the institution's commitment to high-quality language education and multilingual proficiency.

The Management as well as Hon. Director Dr J B Patil, Dy. Director Dr P J Deore and Head of Department Dr Ujwala Patil have expressed satisfaction towards the efforts of Dr. Smital Patil (Institute In Charge) and Dr. Manisha Patil (Department Coordinator).

STUDENTS ACHIEVEMENTS



Successful selection in Celebal Technologies

Proud to announce that our student, Vishal Bhalkar have been selected as a Graduate Trainees in Data Science at the prestigious multinational firm, Celebal Technologies with an annual salary package of INR 7 lakh. Celebal Technologies is a global leader in Artificial Intelligence (AI) and digital transformation, specializing in cloud migration and data analytics across diverse sectors. Head of Department, Prof. Dr. Ujwala Patil has expressed an immense sense of pride that our students have secured placement in top-tier global organization.

Successful placement in Webtech



We are proud to announce that Tejas Vijay Chaudhary has been appointed as Graduate Trainee Engineer for Webtech's Pune office at an annual package of INR 4.8 Lakh. We congratulate our students on this significant milestone and remain committed to empowering our graduates with the skills necessary to excel in the global IT landscape. Director Dr. J. B. Patil noted that this success is a direct result of the institute's unwavering commitment to fostering industry-readiness through rigorous training.

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 ₹4.5 lakh. We also congratulate Khushi Shankar Pande for being selected as a Software Developer with an annual salary package of ₹4 lakh.

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.

Capgemini is a French multinational company that provides consulting, technology, professional, and outsourcing services. Its headquarters are in Paris, France. Capgemini has over 270,000 employees in more than 50 countries, of whom nearly 120,000 are in India. The selected students for the post of Software Developer, with an annual salary package of 4.2 lakhs.



Successful selection in Cognizant Technology Solutions

Four students – Rushikesh Vinod Khurpade, Vishal Shantilal Bhalkar, Mohit Bharat Patil, Pranav Madhukar Patil – from the program have been successfully placed with the globally renowned multinational IT corporation, Cognizant Technology Solutions India Pvt. Ltd. These students have been appointed to the position of Programmer Analyst Trainee with a competitive annual salary package of ₹4 Lakhs. This achievement follows a comprehensive campus placement drive organized through a collaborative initiative between Cognizant and the institute.

FACULTY ACHIEVEMENTS

Conferment of PhD Degree upon Prof. Pankaj Baviskar

It is a proud moment for the Department that Prof. Dr. Pankaj Valmik Baviskar, has been awarded a PhD degree in Machine Learning by Medi Caps University, Indore (M.P.). His doctoral research, titled 'Equipment Health Monitoring Using Machine Learning Techniques', was successfully completed under the scholarly guidance of Prof. Dr. Chitresh Nayar. Prof. Dr. Ujwala Patil, Head of Department has congratulated him for his success



Celebrating Faculty Excellence at NPTEL Exams

We are proud to announce that five of our esteemed faculty members have achieved remarkable success in the National Programme on Technology Enhanced Learning (NPTEL) examinations.

NPTEL, a prestigious initiative by the Ministry of Education, Government of India, in collaboration with the IITs and IISc, offers advanced certification courses to enhance technical expertise in higher education. Our faculty members have successfully completed rigorous courses in cutting-edge domains like Dr. Manisha Patil in Cloud Computing, Dr. Kiran Chaudhary in Time Series Modelling and Forecasting with Application in R, Prof. Zuber Khatik in Reinforcement Learning, Prof. Shankar Tambe and Prof. Kamini Patil in Programming in Java. This success was further facilitated by the constant encouragement of the Head of Department, Dr. Ujwala Patil and motivation from Hon. Director Dr. J. B. Patil, Dy. Director Dr. P. J. Deore and the SES management.



FACULTY ACHIEVEMENTS



Best Research Paper Award at International Conference

A research paper presented by Dr. Kiran Chaudhari and Prof. Kailas Deore from the Department of Data Science has received The Best Paper award at an International conference on Multidisciplinary Innovation for Global Sustainability and Development, MIGS 2025. The event was organized by G H Rasoni University, Nagpur. This success is the result of the constant encouragement from Dr. Ujwala Patil, Head of Department, and motivation from Hon. Director Prof. Dr. J. B. Patil, Dy. Director Prof. Dr. P. J. Deore and the SES management.



Regional and Mentor Centre' for the Virtual Labs project in Western India

RC PIT Shirpur, continues its legacy of academic excellence as it is officially designated by IIT Bombay as the 'Regional and Mentor Centre' for the Virtual Labs project in Western India. This prestigious appointment, announced by Director Dr. J.B. Patil, places RC PIT at the forefront of the Ministry of Education's national initiative to democratise access to high-quality science and engineering simulations. As a Mentor Institute, RC PIT is now empowered to guide colleges across Maharashtra, Gujarat, Rajasthan, Goa, Odisha, and Karnataka in establishing Virtual Lab Nodal Centers, thereby bridging the digital divide for students in rural and remote regions.

STUDENTS ACTIVITIES



Value Added Course on “How to write a research paper”

The Department of Computer Science and Engineering (Data Science) & AIML at RCPIT Shirpur took the initiative to organize a Value Added Course for our Final Year B.Tech students on 18–19 Aug 2025 – “How to write a research paper”.

This hands-on workshop introduced students to the research writing process in a simple and practical way. Students learned how to organize ideas, review literature, present results, and follow ethical writing practices. The course helped improve academic writing skills and prepared students for future research and publication.

The course was hypothesised by and materialised under the guidance of Prof. Dr. Ujwala Patil, head of the department, and all the faculty contributed their time and efforts towards its successful completion.



The course was hypothesised by and materialised under the guidance of Prof. Dr. Ujwala Patil, head of the department, and all the faculty contributed their skills and efforts towards its successful completion.

STUDENTS ACTIVITIES



Value Added Course on "From Ideas to Implementation: Building Your Semester Project"

An initiative to empower our students, the Department of Computer Science and Engineering (Data Science) & AIML at R. C. Patel Institute of Technology, Shirpur, took a significant step to strengthen innovation and practical skills among our Second Year B.Tech. students by organising a Two-Day Value-Added Course [2025-26] on 4th & 5th August 2025, on "From Ideas to Implementation: Building Your Semester Project".

The objective of the Initiative were to guide students in transforming their creative ideas into structured, feasible, and impactful semester projects. Over two days, students explored - Idea generation & problem identification, Project planning & time management, Hands-on prototype development, and Documentation & presentation skills through the expertise of the department faculty.

The course was conceptualised by and completed under the guidance of Prof. Dr. Ujwala Patil, head of the department, and all the faculty contributed their skills and efforts towards its successful completion.

STUDENTS ACTIVITIES



“Full Stack Software Developer Certification” program

We are proud to announce the successful completion of the "Full Stack Software Developer Certification" program at the Institute in collaboration with Symbiosis Skills University, Pune and Capgemini. 46 of our bright students from various disciplines underwent 3 months of rigorous, placement centric training at no cost. Key Highlights of the program are: Focus on Advanced Java, Object-Oriented Design, & Front-end Development, Empowering students from underprivileged backgrounds with high-demand tech skills, and Industry-recognized certification to boost employability.

A huge thank you to our guest, Mr. Bharani Dharan (Symbiosis), and our TPO team—Prof. Milkesh Jain and Prof. Kailas Deore—for their efforts in making this a success. Hon. Director Dr. J B Patil, Dy. Director Dr. P J Deore, and Head of Department Dr. Ujwala Patil have expressed deep satisfaction over the program.

Mahindra Pride Skill Development Program at RCPIT Shirpur

We are pleased to announce the successful conclusion of the “Mahindra Pride – Naandi Foundation Skill Development Training Program” at the Institute. This intensive 7 day residential workshop was organized in collaboration with the Mahindra Pride Classroom – Naandi Foundation, Pune, specifically to empower our 70+ female students with industry ready professional skills.

The program covered several core competencies, including: English language proficiency and soft skills, Computer literacy and business-specific technical skills, Expert guidance on resume writing and interview preparation, Building self-confidence and professional grooming.

STUDENTS ACTIVITIES



Java programming training by R3 Systems

The Institute successfully organized an industry-oriented training program in collaboration with R3 Systems India Pvt. Ltd. to enhance the professional and technical competencies of students. A total of 169 students participated in the program and acquired in-depth knowledge of Java programming technologies. The 26-day intensive training program provided practical and industry-relevant expertise in Core Java, Advanced Java, and the Spring Framework under the expert guidance of Mr. Gauresh Suryavanshi and Mr. Sunil Joshi. Hon. Director Dr. J B Patil, Dy. Director Dr. P J Deore, and Head of Department Dr. Ujwala Patil have expressed deep satisfaction over the program and thanked our TPO team—Prof. Milkesh Jain and Prof. Kailas Deore—for their efforts in making this a success.

‘FUEL’ Training Initiative Enhances Industry Readiness of Students

A specialized skill development training program under the ‘Friends Union for Energizing Lives (FUEL)’ initiative was conducted by Prof. Anadur Tukanato strengthen students’ technical capabilities and employability.

Offered free of cost under a Corporate Social Responsibility (CSR) initiative of a reputed international organization, the program focused on advanced technologies such as Core Java, Advanced Java, React.js, and UPS concepts.

The curriculum incorporated object-oriented programming principles, data structures, and algorithms, delivered through project-based and experiential learning methodologies. Approximately 90 students participated in the program.

STUDENTS ACTIVITIES



RCPIT Shirpur successfully organised Student Induction Program 2025

The Institute welcomed first-year engineering students through its Student Induction Program 2025. The event took place at RC Bhandari Hall with great enthusiasm. The Director Dr. J. B. Patil welcomed the new students and guided them. He said college life is an important stage. Students should learn new skills that will help them in the future.

Dr. Patil said the Training and Placement Department stays connected with many companies. It organizes campus interviews to help students get good jobs. The college starts skill development training from the second year. Experts from leading institutes in Mumbai and Pune conduct these sessions. The college also offers Japanese and German language courses. These programmes prepare students for global career opportunities. The chief guest was Dr. Ulhas Shiurkar, former Director of Devgiri Institute of Engineering and Management. He spoke on the topic "Crack the Code of Engineering." He shared the four D's of success: Desire, Dedication, Determination, and Discipline. He explained how these values help students become successful engineers. Deputy Director Dr. P. J. Deore attended the event. Department heads, deans, faculty members, and non-teaching staff were also present.

STUDENTS ACTIVITIES



Kickstart Session Guides First-Year Students Towards Career Success

Under the guidance of Prof. Dr. U. M. Patil, the Club Data Polaris organized "Kickstart", an orientation and career guidance session for first-year students on 15 October 2025 at the Auditorium Hall of R. C. Patel Institute of Technology, Shirpur. Coordinated by Prof. A. K. Patil, the program aimed to bridge the gap between academic learning and industry expectations by introducing students to technical skills, professional development, and career planning. Participants gained insights into coding fundamentals, Artificial Intelligence, Generative AI, Data Science, and structured learning roadmaps for AI/ML and Data Science specializations. The session also covered resume writing, LinkedIn profile optimization, online learning platforms, and career opportunities in product-based and service-based companies. An interactive quiz, won by Dhanashree Kuwar, and a feedback session enhanced student engagement. The programme motivated students to pursue continuous learning, strengthen their professional profiles, and prepare confidently for future career opportunities in the rapidly evolving technology sector.

STUDENTS ACTIVITIES



Parent Teacher Meeting PTM 2025

The Parent-Teacher Meeting (PTM) for second-year and third-year students was successfully conducted on 25th September 2025. The meeting focused on: Academic progress of students, Skill development & departmental activities, Placement readiness & future opportunities, and Strengthening the parent-teacher partnership.

The program was organized under the esteemed guidance of Dr. J. B. Patil (Director), Dr. P. J. Deore (Deputy Director) and Dr. U. M. Patil (HoD).

They addressed the gathering and motivated students with their valuable insights and encouragement. The presence and active participation of our respected parents made this event truly meaningful. Their valuable feedback and cooperation will help us in guiding our students towards excellence. A heartfelt thank you to all the dignitaries, parents, faculty members, and our students for making this meeting a grand success!

STUDENTS ACTIVITIES

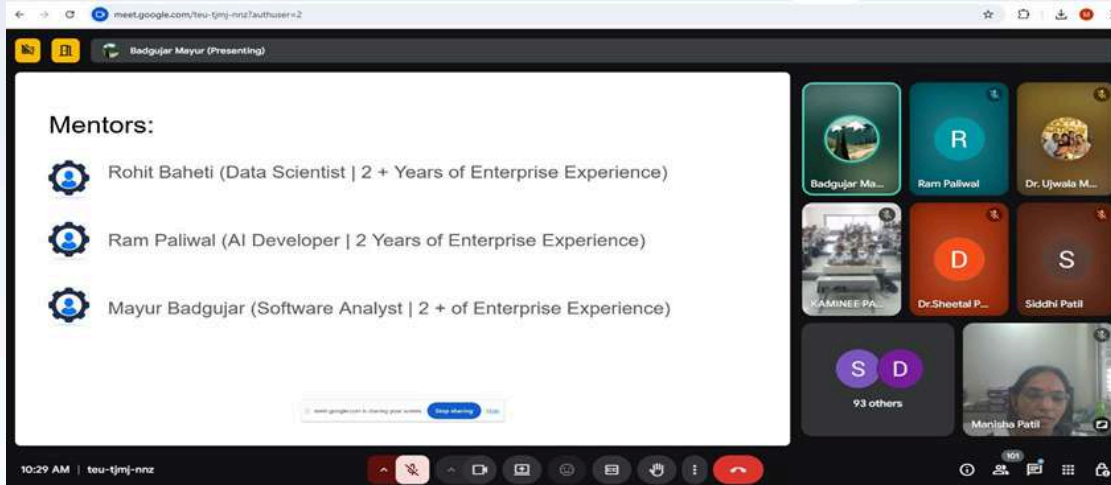


Participation in Smart India Hackathon And AVISHKAR

Smart India Hackathon (SIH) is India's largest nationwide innovation competition, where students collaborate to solve real-world problems submitted by government departments, industries, and organizations. Participating in SIH helps students develop technical, problem-solving, teamwork, and communication skills while gaining practical experience. It also provides opportunities for mentorship, networking, internships, cash prizes, and career advancement, encouraging innovation and preparing students to become future entrepreneurs and technology leaders. The AVISHKAR Competition promotes innovation, research, and entrepreneurship by providing students and faculty a platform to present original ideas, solve real-world problems, and encourage interdisciplinary collaboration.

The event was organized under the esteemed guidance of Dr. J. B. Patil (Director), Dr. P. J. Deore (Deputy Director) and Dr. U. M. Patil (HoD) and conducted by Prof. Ashish Patil at the department level.

STUDENTS ACTIVITIES



Expert session on "Building the Real-World Web Applications

Under the guidance of Prof. Dr. U. M. Patil, the organized an expert session on "Building the Web: From Concepts to Real-World Applications " with an industry professional Mr. Ram Paliwal, AI Developer and Mr. Rohit Atul Baheti, Data Scientist from reputed organizations. They conducted session on How to transform ideas into applications: A Web Development Journey on 30 August 2025, Saturday through Google Meet.

This proved to be a valuable opportunity to interact directly with an experienced expert and receive insights and direction for your project work. Students interacted with the experts on their project front end and back end design.

STUDENTS ACTIVITIES



A Mega Blood Donation Drive at RCPIT Shirpur!

A Mega Blood Donation Camp was organized on July 22, 2025, to commemorate the 55th birthday of the Hon'ble Chief Minister of Maharashtra, Shri Devendra Fadnavis in collaboration with Mukesh Patel Charitable Trust, Astitva Foundation, and National Service Scheme (NSS) unit. Highlighting the profound significance of blood donation as a life-saving act, the camp witnessed an overwhelming response with 300 donors participating.



Celebrating International Yoga Day 2025

Institute observed International Yoga Day on June 21, 2025, with great passion. Organized by our National Service Scheme (NSS) Unit, the event resonated with the global philosophy of "Yoga for One Earth, One Health." The program aimed to foster awareness regarding the profound impact of Yoga on physical and mental well-being. We extend our gratitude to all the participants for making this initiative a success and reaffirming our commitment to a healthier, more mindful campus community.

STUDENTS ACTIVITIES



"GTT Foundation – Barclays LifeSkills" skill development training program

The Institute is proud to announce the successful completion of the "GTT Foundation – Barclays LifeSkills" skill development training programme. Organised under the Corporate Social Responsibility (CSR) initiative of Barclays in collaboration with the GTT Foundation, this intensive workshop benefitted 52 students by focusing on enhancing their core employability. The curriculum provided in-depth training on essential life skills, including effective communication, leadership, time management, teamwork, professional etiquette, and interview preparation to boost student confidence.

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