



# DARPAN

Issue II

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. Jinendra Gavitt**  
**Student Editor**

# STUDENTS ACHIEVEMENTS



## **Students participate in the Unicorn Dubai Summit 2026**

We are proud to announce that our students- Yash Dipak Yelave, Sayali Bharat Jadhav, Siddhesh Vikas Chaudhari, Dipali Arjun Patil, Chetana Mahesh Bhavsar, and Kavita Bhausahab Patil, have participated in the final round of the prestigious global Unicorn Dubai Summit 2026. The event was 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. 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 team is the only one from Maharashtra and among the 40 teams from India to qualify for the final round, bringing pride to the state. At this global platform, our students have presented their innovative technical project and they have proudly brought recognition to our country and to the Institute through their outstanding achievement.

# STUDENTS ACHIEVEMENTS



## A remarkable victory at the Symbiosis Skill Hackathon 2026

We extend our heartfelt congratulations to our brilliant students for achieving a remarkable victory at the Symbiosis Skill Hackathon 2026, organized by Symbiosis University of Applied Sciences. The team comprised of Chetana Mahesh Bhavsar – DS, Yash Dipak Yelave – AIML, Dipali Arjun Patil – AIML, and Kavita Bhausahab Patil – E&TC.

Winning a prestigious 36-hour innovation challenge among numerous talented participants is a true testament to their dedication, technical expertise, creativity, and exceptional teamwork. This outstanding achievement has brought immense pride and recognition to our institute.

The head of department, Prof. Dr. U. M. Patil said, “Your success reflects the innovative mindset, perseverance, and academic excellence nurtured at RCPIT and serves as an inspiration for fellow students to pursue innovation and excellence.”

# STUDENTS ACHIEVEMENTS



## **Successful selection in Tata Consultancy Services**

Proud to announce that our student, Mr. Nomesh Ravindra Kirange (B.Tech Data Science, 2025–26) has been selected by Tata Consultancy Services (TCS Digital) as System Engineer with a package of ₹7 LPA. Head of Department, Prof. Dr. Ujwala Patil, has expressed an immense sense of pride that our students have secured placement in top-tier global organisations.

## **Best Paper Award in international conference**

We are proud to announce that our students from Final year B. Tech. Nomesh R. Kirange, Harshal V. Gaikwad, Tejas R. Jadhav, and Mrunali R. Badgujar have received Best Paper Award for their article "Manzil-Indoor Navigation System" based on their project work. Similarly students Dipali Vilas Mali, Neha Sandeep Gayakawad, Bhavesh Bhagwan Patil, Gaurang Jagdish Mali, and Kalpesh Subhash Mahajan have received Best Paper Award for their article "SAR Image Colorization for Comprehensive Insight Using Deep Learning Model". These students have participated in the International Conference on Computational Intelligence and Generative AI (ICCGAI 2025), held at Sandip University, Nashik, on 27th December 2025. As part of their semester project and final year project, students are encouraged to present their findings in academic conferences.

# STUDENTS ACHIEVEMENTS



## Success in GATE 2026 examination

College students have once again demonstrated academic excellence and competitive exam success. They achieved remarkable results in the recently conducted GATE 2026 examination. The Graduate Aptitude Test in Engineering (GATE) is one of India's most important national-level engineering examinations. An All India Rank in GATE reflects a student's strong technical knowledge, analytical ability, and consistent hard work.

From the Data Science Department, Sujal Rajendra Shirude (27.33) and Makarand Vijaykumar Devre (23.70) and from the AIML Department, Sayali Bharat Jadhav (25.67) passed the DS and AI subject. Prof. Dr. U. M. Patil, Head of the Department, the Training and Placement Officer, and all teaching and non-teaching staff congratulated the students.

## Success in JLPT N4 level Japanese Language Examination

Students from Shirpur achieved remarkable success in the Japanese Language Proficiency Test conducted in December 2025. Dikshita Shivaji Patil, a B.Tech Data Science student, successfully passed the JLPT N4 examination. Her achievement reflects her dedication, competence, and academic excellence.

The foreign language training aims to develop essential and effective language skills among students. It also prepares them for international higher education and diverse global career opportunities. The Institute offers Japanese and German language training since the 2017–18. Dr. Manisha Patil, the department coordinator, states that the initiative supports the overall academic and professional development of students.



**Dikshita Shivaji Patil**

# STUDENTS ACHIEVEMENTS

## Success in Campus placements

| SN | Name of Student               | Placemne offer by                        |
|----|-------------------------------|------------------------------------------|
| 1  | PATIL VIVEK NARENDRA          | Aasaanjobs Pvt Ltd                       |
| 2  | PATIL CHAITANYA BALU          | AISOLO                                   |
| 3  | MALI DIPALI VILAS             | Arnish AI Pvt Ltd                        |
| 4  | BADGUJAR MRUNALI RAVINDRA     | Arnish AI Pvt Ltd                        |
| 5  | KULKARNI SAKSHI GAJANAN       | CivilTech                                |
| 6  | PATIL MEGHANA PRAVIN          | CivilTech                                |
| 7  | RUCHIKA MALI                  | CivilTech                                |
| 8  | GIRASE PRIYANKA YOGENDRA      | CivilTech                                |
| 9  | VISPUTE KRISHNA PRAVIN        | DATAKERNELS ANALYTICS AND CONSULTING LLP |
| 10 | PATIL NIKHIL KAILAS           | DATAKERNELS ANALYTICS AND CONSULTING LLP |
| 11 | MAHALE RUTUJA SANJAY          | Friendly IT solution                     |
| 12 | DESALE JAGRUTI PRASHANT       | Fristine                                 |
| 13 | NEHA SANDEEP GAYAKAWAD        | Innovative_IT_Solutions                  |
| 14 | DUSANE DURGESH VIJAY          | Lumiverse_BDE                            |
| 15 | BARI VAISHNAVI TUKARAM        | Lumiverse_BDE                            |
| 16 | PATIL DIKSHITA SHIVAJI        | Lumiverse_BDE                            |
| 17 | GAIKWAD HARSHAL VISHNUBHAGWAN | Lumiverse_JSA                            |
| 18 | PATIL GITANJALI ANIL          | Lumiverse_L1                             |
| 19 | MAHAJAN KALPESH SUBHASH       | MSDVET                                   |
| 20 | DHANGAR RITUJA RAVINDRA       | Shree combines                           |
| 21 | BARI SAKSHI ANAND             | Stoc & Salamander                        |
| 22 | JADHAV HITESH ROHIDAS         | Talent Rise Technokrate                  |
| 23 | RATHOD SANDIP JAGAN           | Tata Teleservices                        |
| 24 | KIRANGE NOMESH RAVINDRA       | TCS_Digital                              |
| 25 | PATIL GAURAV AJIT             | Weblne                                   |
| 26 | GANGURDE VISHAKA BHAVRAO      | Weblne                                   |
| 27 | KHARCHE SAMIKSHA SHEKHAR      | Yan IT                                   |
| 28 | RAJPUT SUVARNISING PRADIP     | Zingworks LLP                            |

Proud to announce that twenty eight students have successfully secure the placement through campus drive in various recognized companies, while many more selections are in line. Congratulations to all students on your successful campus placements! Your dedication, perseverance, and hard work have earned this achievement. Prof. Dr. U. M. Patil, HoD, and Prof. K. D. Deore, T&P coordinator, and the entire department have wished them a bright, successful future!

# FACULTY ACHIEVEMENTS

## 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. Priti Shivaji Sanjekar (Effective Teaching), Dr. Manisha Patil (Advanced Computer Networks), Sunetra Prabhakar Salunkhe (Computer Networks) and Prof. Santosh Kumar Bhandare (Data Structures). 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.



## Conferment of PhD Degree upon Prof. Nilesh Patil

It is a proud moment for the Department that Prof. Dr. Nilesh Arun Patil has been awarded a PhD degree in Mechanical Engineering by Medi Caps University, Indore (M.P.). His doctoral research, titled 'Theoretical and Experimental Investigation on Water Emulsified CI engine', was successfully completed under the scholarly guidance of Prof. Dr. R. K. Shukla. Prof. Dr. Ujwala Patil, Head of Department has congratulated him for his success



# FACULTY ACHIEVEMENTS

## RCPIT Women's Cricket Team Victory!

Heartiest congratulations to Team RCPIT on securing the Second Runner-Up position in WPL 2026, proudly organized by Astitva Foundation, Shirpur.

Winning a cash prize of ₹31,000 along with a trophy is a proud recognition of the hard work, dedication, and team spirit. The Team performance throughout the tournament reflected confidence, resilience, and a never-give-up attitude. Each match played inspired everyone who supported the team. The Captain of the team, Dr. Ujwala Patil mam, on behalf of the entire team, sincerely thanked all supporters, students, faculty, and well-wishers.

May this achievement fuel the passion to dream bigger, train harder, and strive for even greater success in the future. This milestone is a strong foundation for many more victories to come.

Well done, WPL Team RCPIT !



# STUDENTS ACTIVITIES



## **Learning by Building. Innovation by Doing!**

Our enthusiastic team successfully conducted an Ultrasonic Distance Meter Activity under the Fundamentals of Competitive Robotics & Programming Workshop organized jointly by Club Fetch.ai (CSE – DS & AIML) and Club BR Robotics (E&TC), the session offered hands-on exposure, real-time learning, and an exciting dive into the world of robotics and sensors. The activity reflects curiosity, collaboration, and creativity in action for students of Class 6 to 8 from M R Patel English Medium School, Shirpur.

# STUDENTS ACTIVITIES



## **A four-day cultural festival is celebrated at RCPIT Shirpur**

A four-day cultural festival was held with great enthusiasm at R. C. Patel Institute of Technology, Shirpur. The event aimed to nurture students' creative talents while promoting awareness of India's rich traditions, culture, and diversity. The festival began with Traditional Attire Day, followed by Group Day, Bollywood Day, and concluded with Living Canvas Day. Students enthusiastically participated in themed activities, cultural performances, and creative presentations that highlighted teamwork, friendship, artistic expression, and social awareness. Faculty and staff also joined the celebrations in traditional attire, strengthening the spirit of unity and cultural pride. The festival concluded with a prize distribution ceremony recognizing outstanding performances.

## **RCPIT Shirpur organizes a Labour Culture Camp under NSS**

The National Service Scheme (NSS) of college recently organized a Labour Culture Camp at Karwand village. The camp was inaugurated by Director Dr. J. B. Patil and Deputy Director Dr. P. J. Deore. Village representatives and residents attended the event. Speakers highlighted leadership, social service, and the value of voluntary work. The annual camp promotes personality development, discipline, responsibility, and social awareness among students. Activities included cleanliness drives, tree plantation, digital literacy awareness, women's education campaigns, water conservation, and anti-addiction street plays. Experts delivered sessions on youth participation, yoga, first aid, education, and the ideals of Chhatrapati Shivaji Maharaj. The camp concluded with student competitions, educational material distribution, and recognition of outstanding volunteers.

# STUDENTS ACTIVITIES



## Converges 2026 - A National Symposium

RC Patel Autonomous Engineering College, Shirpur, successfully hosted the national-level technical festival Converges 2026 on March 6–7, 2026. More than 3,000 students from engineering and polytechnic colleges across Maharashtra participated. The event was inaugurated by Vice President Rajgopal Bhandari in the presence of office bearers, college officials, and industry expert Dr. Gaurav Joshi. The festival aimed to promote innovation, technical skills, and awareness of emerging technologies.

Students showcased their talent in 16 technical competitions, including hackathons, robotics, coding, gaming, drone challenges, and engineering design events. Winners were selected through rigorous evaluation and received cash prizes and trophies. A total prize pool of ₹2.5 lakh was distributed.

The event's success resulted from the dedicated efforts of the Student Welfare Department, faculty members, coordinators, volunteers, and the Reflection Students Club. The festival concluded with DJ Night 2026, where students celebrated through music and dance, fostering creativity, teamwork, and campus spirit. The management congratulated everyone involved for making the event a grand success.

# STUDENTS ACTIVITIES



## Converges 2026 - A National Symposium

### Prof. Dr. J B Patil, Director, RCPIT on Converges:

We believe technology should be used not only for convenience but also with creativity, ethics, and innovation to benefit society. We organize the grand technical conference, Converges, every year to encourage healthy competition and teamwork. The conference helps students demonstrate their knowledge, skills, and talents. Thousands of students participate, and attractive cash prizes make the event even more exciting. This year, the technical festival was held on 6 and 7 March. We invited students from across the state to participate and showcase their abilities.

R. C. Patel Institute of Technology, Shirpur | An Autonomous Institute

# STUDENTS ACTIVITIES



## Expert Esession for SY Students on JIRA and N8N

Jira is a project management and issue-tracking tool used to plan, assign, monitor, and manage software development and business workflows while n8n is an open-source workflow automation platform that connects applications and automates repetitive tasks without extensive coding. Learning JIRA and n8n builds project management, collaboration, and automation skills, improving productivity and enhancing employability in software development, IT, and business process automation careers. An Expert session on these tools was successfully delivered by Mr Sachin Dabhade (IGT Solutions Pvt. Ltd) and Mr Rohit Desale (Gen AI Engineer), who happen to be our distinguished alumni.

# STUDENTS ACTIVITIES



## Expert hands-on session on Industry tools for TY students

In order to prepare the third year students to face the Industry, an expert session was conceptualized by Prof. Dr. U. M. Patil, Head of Department and successfully conducted by Mr Shubham Ravindra Patil (Assistance Vice President (AVP) - Deutsche Bank) and Ms Dhanashri Pankaj Saner (Data Engineer at Midoffice Data), who happen to be our distinguished alumni. Industry tools like Git, Power BI, and Docker equip students with practical, job-ready skills. Git enables version control and collaboration, Power BI supports data analysis and visualization, while Docker ensures consistent application deployment. Proficiency in these tools enhances employability, teamwork, problem-solving abilities, and readiness for modern software development and data-driven industries.

# STUDENTS ACTIVITIES



## 3 Day Hands on workshop on Power BI

Power BI is important for students because it helps them analyze data, create interactive dashboards, and generate meaningful insights for informed decision-making. It develops data visualization, analytical, and business intelligence skills that are highly valued in academics and industries, improving employability and supporting data-driven problem-solving across various fields. A 3-day hands-on workshop “Power BI: Turns your Data into Decisions”, was conceptualised by Prof. Dr. U. M. Patil, Head of Department, and successfully conducted by the Club Data Polaris students on April 28-May 1, 2026. Second year students not only listened to the practice sessions but also participated in quizzes and submitted their projects for evaluation.

# STUDENTS ACTIVITIES



## Annual Gathering Reflection at RCPIT Shirpur!

The annual gathering of R.C. Patel Institute of Technology, Shirpur, "Reflection 2026," was inaugurated by Shirpur Education Society Vice-President Shri. Rajgopalji Bhandari. Director Dr. J. B. Patil, Deputy Director Dr. P. J. Deore, department heads, deans, faculty, non-teaching staff, and students attended. The performances included group songs, instrumental music, flute recitals, and energetic dances to traditional Marathi songs.

Students who excelled in national, state, and university-level sports were honoured during the gathering. The audience enthusiastically appreciated every performance throughout the event. Students also joined in, dancing to popular film songs, Punjabi music, rap, and remix tracks.



# STUDENTS ACTIVITIES



## MoU between RCPIT, Shirpur and the JLTAP

RCPIT has signed a Memorandum of Understanding (MoU) with the Japanese Language Teachers Association of Pune (JALTAP). The agreement aims to promote academic collaboration and training in Japanese language and culture. The signing ceremony was attended by Makoto Saito, Senior Advisor at the Japan Foundation, New Delhi. JALTAP President Suhas Mate was also present at the event. This important agreement opens new opportunities for students in Shirpur. Students will receive structured training in the Japanese language and Japanese work culture.

## Student Editorial Board

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