



DARPAN

Issue I

2023-24

VISION OF THE INSTITUTE

To achieve excellence in engineering education with strong ethical values.

MISSION OF THE INSTITUTE

- Innovative and Interactive learning process and high quality, internationally recognized instructional programs.
- Fostering a scientific temper among students by the means of a liaison with the Academia, Industries and Government.
- Preparing students from diverse backgrounds to have aptitude for research and spirit of Professionalism.
- Inculcating in students a respect for fellow human beings and responsibility towards the society.

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

VISION OF THE DEPARTMENT

To become a center of excellence in Data Science education and research by nurturing technically proficient professionals with strong ethical values.

MISSION OF THE DEPARTMENT

- *To impart quality education in Data Science using state-of-the-art technologies and methodologies.*
- *To foster analytical thinking, innovation, and industry-oriented skill development.*
- *To create responsible professionals who can contribute to society through data-driven solutions.*

The Department of Computer Science & Engineering (Data Science) at R. C. Patel Institute of Technology 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 RCPIT, we don't just educate engineers — we empower innovators, entrepreneurs, and ethical professionals. Our approach of blending academic rigour 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 & 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. The undergraduate program is designed to provide students with strong foundations in data analysis, algorithmic thinking, and statistical modeling, enabling them to transform data into actionable insights.

Data Science is an interdisciplinary field that integrates mathematics, statistics, computer science, and domain expertise to analyze both structured and unstructured data. It covers diverse areas such as data mining, machine learning, big data analytics, business intelligence, and artificial intelligence.

As industries across finance, marketing, healthcare, IT, banking, and e-commerce increasingly depend on data-driven decision-making, Data Science has emerged as one of the most dynamic and in-demand career paths. Recognized by IBM as the “21st century’s most attractive job”, the role of a Data Scientist offers immense growth potential and global opportunities.”

EDITOR'S MESSAGE



Prof. Manisha S. Patil
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. Shubhangi Thakare
Student Editor



Mr. Uday Bharatiya
Student Editor

STUDENTS ACHIEVEMENTS



RCPIT Students Launch SkillBhavan to Empower Placement Aspirants

A team of engineering students from R. C. Patel Institute of Technology (RCPIT), Shirpur has launched SkillBhavan, an innovative ed-tech startup dedicated to enhancing employability through affordable learning resources and placement preparation. Founded by Suyog Patil, Parag Patil, Swapnil More, Sachin Patil, and Narendra Patil. The initiative aims to bridge the gap between academic learning and industry requirements. Within just three weeks of its launch, SkillBhavan built a vibrant online community with more than 1,500 WhatsApp members, 800 Instagram followers, and 150 LinkedIn followers. The platform offers career guidance, technical resources, resume-building support, interview preparation, and mentorship. Its flagship QuizGanesha competition attracted over 340 participants, with more than 300 certificates awarded. SkillBhavan has also launched Maestro Meetup, featuring industry experts such as Google engineer Manoj Nikumbhe, while planning campus ambassador programmes, hackathons, AI and Cloud Computing courses, and a dedicated placement portal. The student-led startup reflects RCPIT's commitment to innovation, entrepreneurship, and creating career-ready graduates through collaborative learning initiatives. The Management, Hon. Director, Hon. Dy. Director, Head of department, faculties and students have expressed their best wishes towards the success of the new initiative.

STUDENTS ACHIEVEMENTS



SkillSprint Bootcamp Equips Students with AI and Career Skills

Club Data Polaris successfully organized SkillSprint, a one-day bootcamp for Second Year CSE (Data Science) and AIML students at R. C. Patel Institute of Technology (RCPIT), Shirpur on 16 October 2023. The programme was designed to strengthen students' technical knowledge and career readiness through hands-on learning in Artificial Intelligence, Machine Learning, and Data Science. The bootcamp featured sessions on prompt engineering, Generative AI tools including ChatGPT, Stable Diffusion, Runway ML, HuggingFace, and Bing, along with machine learning concepts, model workflows, and practical applications. Students also received guidance on LinkedIn, GitHub, resume building, and AI-powered productivity tools. The event included the unveiling of the Club Data Polaris website, interactive activities, and collaboration with the Crazy Cubers Club, creating an engaging learning environment. The student-led initiative received enthusiastic feedback from participants, who appreciated its practical approach and career-focused content. The bootcamp highlighted the department's commitment to fostering innovation, technical excellence, and industry preparedness among future engineers.

STUDENTS ACHIEVEMENTS



Students from the Department of CSE (AIML), R. C. Patel Institute of Technology, Shirpur, actively participated in the National Level Working Model Competition, held on 5th and 6th April 2024. The event was organized by K. K. Wagh Institute of Engineering Education and Research, Nashik. At the prestigious IET Karmaveer Expo'24, the team comprising Ms. Sakshi Rajendra Patil and Ms. Shubhangi Ashok Thakare secured the 2nd Prize at National Level. Their innovative working model highlighted technical creativity, problem-solving skills, and practical application of knowledge.



Dr Babasaheb Ambedkar Technological University held an inter-divisional archery competition in Dharashiv, where three students from R. C. Patel Institute of Technology, Shirpur—Mohit Vasule, Vineet Bari, and Bhuvnesh Vasule—were selected for the national-level All India Inter-University Archery Competition due to their outstanding performances. The event saw participation from various colleges in different divisions, and the Director of Sports, Prof. Nimbaji Rathod, played a significant role in the players' training and preparation.

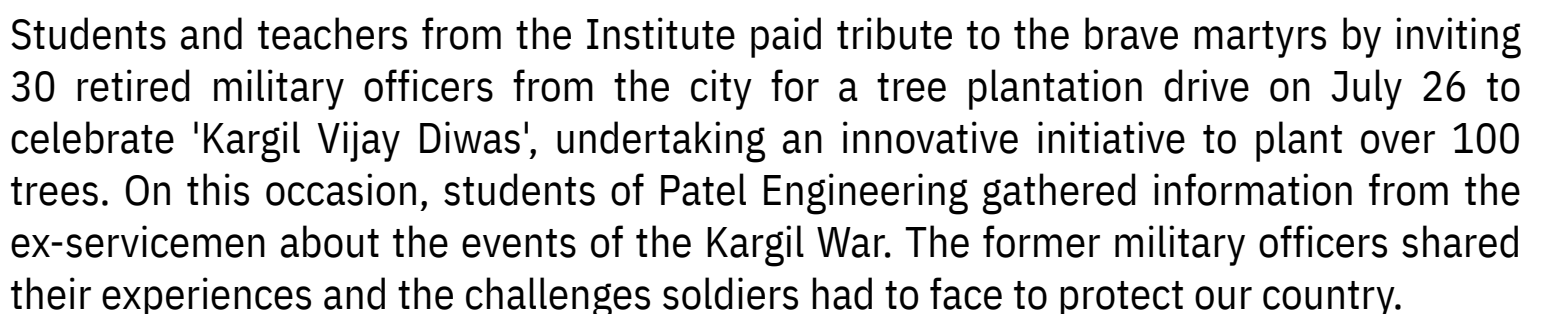
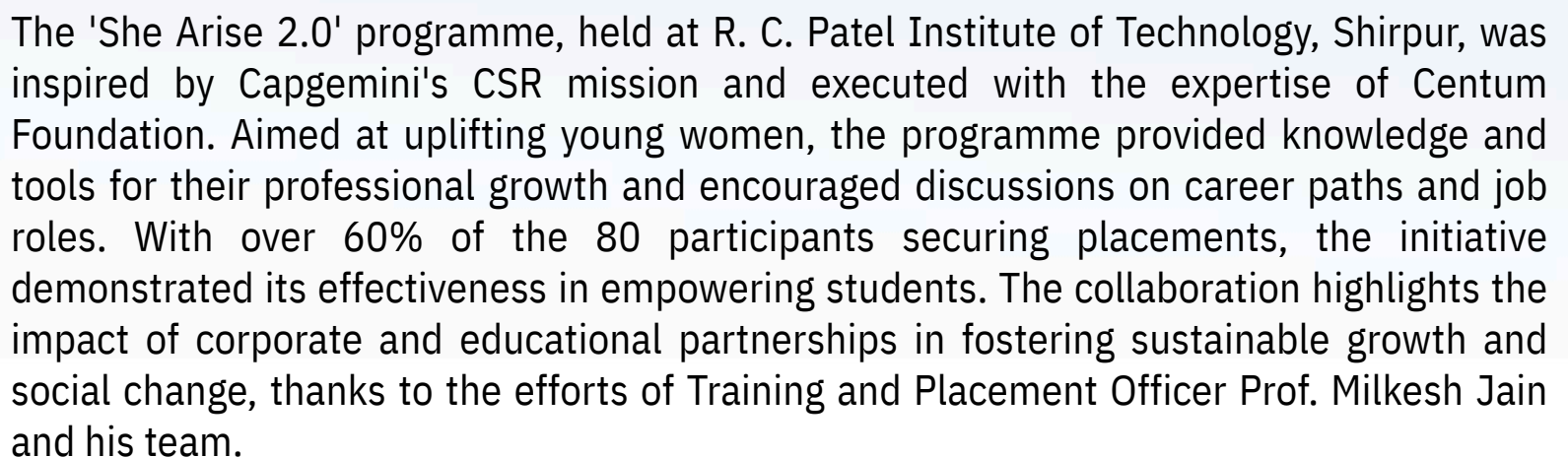
DEPARTMENT ACTIVITIES

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.





STUDENTS ACHIEVEMENTS



We are happy to announce that Mr. Bari Unmesh Lalbahadur has been selected by Rheal Software Technology Solution via campus placement drive for the post of System Engineer with an annual salary package of 3.5 lakh. Rheal is a leading offshore development provider in India, catering to businesses worldwide and across various industries. Their clients range from small and medium enterprises to large businesses.

We also happily declare that Chaudhari Bhagyashri Jitendra and Pawar Piyush Mahendra have been selected for the post of Relationship Executive at the renowned company CapitalVia Global Research, with an annual salary package of 3.5 lakhs. CapitalVia Global Research Limited has been providing financial market research and consulting services to trading communities for over 14 years, offering unbiased technical analysis and solutions.



IIT BOMBAY



AICTE MoE, Govt of India, Mumbai

Director Dr J.B. Patil announced that the Institute has secured the third position in the Virtual Lab rankings, competing against 102 renowned higher technical institutes. This recognition comes for its remarkable performance in the Virtual Lab workshop initiative, created by the prestigious Indian Institute of Technology (IIT), Bombay. The Virtual Lab aims to enhance the practical learning experience for students across the country. The Institute has not only adopted this initiative but has also excelled in effectively using IIT Bombay's virtual resources for the academic advancement of its students. This recognition is a testament to the collaborative efforts of the faculty, staff, and students. The institution is committed to continuously improving and innovating its educational tools.

STUDENTS ACHIEVEMENTS



We are happy to announce that Mr. Pawar Sumit Premraj and Ms. Chaudhari Neha Sachindrasing has been selected by EagleBytes Solution via campus placement drive for the post of Software Developer with an annual salary package of 3.2 lakh. EagleBytes Solution Pvt. Ltd. is a software company that works in various fields such as Data Science, coding languages, AWS, Blockchain, SalesForce, Testing, GIS, digital marketing, and graphics design .

Student Editorial Board

Mr. Uday Bhartiya
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Mr. Tejas Chaudhari

Ms. Shubhangi Thakare
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