



Shree Rahul Education Society's (Regd.)

# SHREE L. R. TIWARI COLLEGE OF ENGINEERING

Approved by AICTE & DTE, Maharashtra State & Affiliated to University of Mumbai, NAAC Accredited, NBA Accredited program, ISO 9001:2015 Certified |

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# RAW INK MAGAZINE 2023

## #ISSUE 16



EMBRACING INDIVIDUALITY

ADVANCING TOWARDS GREATNESS.

[www.slrtce.in](http://www.slrtce.in)

# OUR PATRONS



SHRI. L. R. TIWARI  
FOUNDER  
CHAIRMAN



SMT. KANTI L. TIWARI  
PRESIDENT



SHRI. RAHUL TIWARI  
SECRETARY



SMT. KRISHNA TIWARI  
JT. SECRETARY



MR. UTSAV TIWARI  
COO




# Bouquets of Gratitude

Engineers are individuals who utilize their intellect and creativity to explore and shape the world around us. While many perceive engineering as a simple endeavor, it is a multidimensional discipline that encompasses a vast array of knowledge. From understanding complex concepts to navigating moral dilemmas, engineers analyze the intellectual fabric of our society. At SLRTCE, our vision runs deep, and our mission is straightforward: to deliver excellence and quality by transcending innovation and embracing entrepreneurship in the field of engineering.

Despite the benefits of a college degree, abundant opportunities, and upward mobility, engineers are often undervalued and face disparities compared to their counterparts in developed countries. To combat this, Shree L. R. Tiwari College of Engineering, since its establishment in 2010, has been organizing numerous national-level programs in science, engineering, technology, and management at both undergraduate and postgraduate levels. This invaluable experience has not only enhanced our qualifications but also instilled in us the confidence to flourish as professionals. By gaining hands-on experience prior to graduation, we continuously build knowledge, skills, and a robust professional network that will continue to thrive.

Through this 14th issue of Raw Ink, our entire team pays a heartfelt tribute to our esteemed management, who is the backbone of our institution.

We express warm and sincere gratitude to our honorable chairman, Shri Lallan Tiwari, who fearlessly embarked on an educational venture with tremendous enthusiasm, connecting the underprivileged and needy individuals to the sophisticated sector of society. His unwavering dedication is the driving force behind this institution, and he attributes our success to one crucial element - commitment. Leading by example, he personally invests in the functioning of SLRTCE by continuously monitoring the grassroots affairs.



We are immensely grateful to our respected honorable secretary, Shri Rahul Tiwari, a youth icon with an extraordinary nature and dynamic enthusiasm. His forward-thinking approach is evident in the introduction of innovative and progressive educational techniques, starting from grassroots education and extending to higher professional courses. His presence inspires us and compels us to emulate his conduct as we grow. Kudos to our visionary secretary, who envisioned this very institute!

We consider ourselves truly blessed to have Smt. Krishna Tiwari as our honorable joint secretary. She lives by Rabindranath Tagore's noble saying, "A lamp can never light another lamp unless and until it continues to burn its own flame." Her encouragement and support have played a pivotal role in the successful completion of every endeavor. We greatly value her willingness to delve into the depths of a student's personality and understand the challenges faced during growth and learning.

We extend a debt of gratitude to our honorable COO, Mr. Utsav Tiwari, who not only paves the way for us but also helps us overcome every hurdle. His unwavering assurance that our efforts will bear fruit is precisely what we need to sustain ourselves in this ever-expanding and dynamic field.

As Eddie Canton rightly remarked, "It takes 20 years to become an overnight success!" We pledge to remain steadfast in our goal of propelling SLRTCE to great heights. With the inception of Raw Ink, our vision is already set to communicate to every reader that, for us at SLRTCE, innovation and excellence are inseparable.

- SLRTCE Team







# XYZ P-12 COLLEGE

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# ABOUT SLRTCE

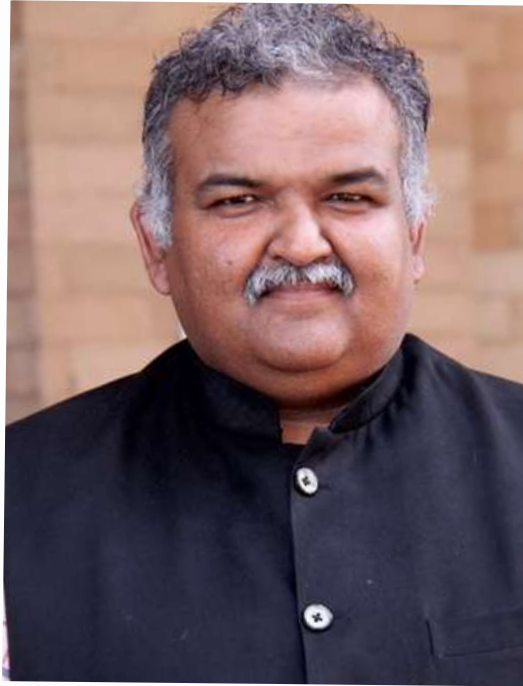
Shree L. R. Tiwari College of Engineering, established in 2010, holds the distinction of being the pioneering engineering institution in the Mira-Bhayandar region. Over the years, the college has consistently nurtured students, empowering them with the necessary skills and knowledge to confidently embark on their professional journeys. With a steadfast commitment to excellence, the college has fostered an environment that encourages students to envision their potential, cultivate their talents, and thrive in the dynamic landscape of the rapidly expanding industry. We deliver the best learning experience through a variety of programs that go beyond regular academics, transforming young minds into strong personalities and equipping them with necessary skills in aptitude, research, communication, innovation and entrepreneurship. The college provides special attention to the needs of differently abled students and also provide Merit based scholarship to needy students.

## SLRTCE IS A PRIVATE, SELF-FINANCING INSTITUTION

- APPROVED BY AICTE, NEW DELHI
- APPROVED BY GOVT. OF MAHARASHTRA
- AFFILIATED TO UNIVERSITY OF MUMBAI
- NAAC ACCREDITED IN YEAR 2019.
- NBA ACCREDITED PROGRAM (COMPUTER ENGINEERING) IN YEAR 2021.
- FIRST AND ONLY COLLEGE TO HAVE CRYPTOCURRENCY INVESTIGATION LAB IN YEAR 2022.
- HAVE BLOCKCHAIN TRANSCRIPT AUTHENTICATION SYSTEM IN YEAR 2023.



# Principal's Message



Assuming the role of Principal at a private Engineering College in the current context presents notable challenges. This position requires a persistent commitment to excellence in the teaching-learning process, as well as the creation of a comprehensive

environment fostering students' holistic development through equitable access to co-curricular and extracurricular opportunities. Additionally, it involves the establishment

of strong industry affiliations to bolster placement prospects and foster an entrepreneurial culture within the institution. At SLRTCE, we confront this challenge with a well-structured five-year vision plan. Within the initial six months alone, we take pride in introducing groundbreaking industry-relevant labs, with a focus on cryptocurrency investigation, offering Blockchain-enabled transcripts to students, inaugurating a state-of-the-art cyber security lab, launching a drone lab, expanding IoT to encompass IOB (Internet of Behavior), and embarking on various other captivating initiatives.

This transformative journey, spanning five years, demands steadfast support and cooperation from all stakeholders, including students, faculty, and non-teaching staff. We are confident that all members of the SLRTCE community, encompassing students and parents, will take pride in their association with our institution. Therefore, I respectfully call upon all stakeholders to unite in support of the challenge I have wholeheartedly embraced as Principal.

Dr.DEVEN SHAH  
Principal of SLRTCE

# Vice Principal's Message



In my perspective, the path to excellence necessitates the cultivation of certain qualities in our lives. One crucial quality for attaining success is discipline, as it establishes an organized framework that serves as the initial stride towards achievement. In the realm of academics, time assumes a paramount role, as it empowers students to enhance their skills.

Consequently, students become punctual and dedicated in their endeavors, both academically and in life. Persistence emerges as a vital factor for triumph, as students must exhibit unwavering determination in order to realize their aspirations. Moreover, the virtue of obedience holds great significance in the pursuit of excellence, as it enables students to glean invaluable insights from teachers and mentors, thereby gaining a deeper understanding of real-world dynamics. To excel, students should consistently endeavor to connect engineering concepts with real-world examples, facilitating a more comprehensive comprehension of the subject matter.

Dr. Umesh Bhadade  
Vice-Principal of  
SLRTCE





# TRAINING AND PLACEMENT



# TRAINING AND PLACEMENT

THE PLACEMENT PROCESS HAS THE FOLLOWING ELEMENTS.



01-Pre-Placement Talks  
02-Aptitude Test  
03-Technical Test  
04-Personal Interviews  
05-Selection of Candidates  
06-Offer Letter distributions  
07-Acceptance of the offer

## Training & Placement Cell at Shree L.R. Tiwari College of Engineering

- Role: Vital department aiding student employment efforts.
- Support: Assists organizations in conducting interviews.
- Counseling: Guides students for successful career placements.
- Skill Development: Organizes technical and soft skills programs to boost confidence.
- Consultation Services: Offers advice on employment, career planning, and opportunities.
- Industry Connections: Facilitates year-round contacts between graduates and the industry.
- Objective: Prepares students to be competent and meet company expectations.



# OBJECTIVES AND ACTIVITIES OF T&P



## OBJECTIVE :

**Providing training to meet the expectations of the corporate world.**  
**To probe for employment for all students.**  
**To instill confidence in students and develop a positive attitude.**

## ACTIVITIES :

**Organize technical and non-technical training programs for students, inviting professional trainers for skill development.**  
**Collect feedback from companies during placements, and arrange soft skills and interview preparation workshops.**  
**Additionally, invite reputed industries for campus placements and conduct industrial visits and seminars for practical experience.**

# GUIDANCE FOR CAMPUS PLACEMENT

**the main objective of campus placement is to identify & recruit desirable & efficient workforce at the early stage itself. Preparation make candidates further trained as per the requirements of the company. Campus placement not only reduces the time & effort of students in finding their desired jobs at an individual level. It also opens a wide range of opportunities for candidates to excel in the field of their interest right after completion of their studies.**



**To begin the job journey, a student needs to begin as a fresher and learn about the industry and grow forward for their dream job/companies. Campus placements make the step easier as it lets students compete in a simple environment with simple to understand rounds. The session cleared doubts regarding the steps and process of the recruitments, and suggested methods to clear every round.**





# OUR PRIME RECRUITERS

# OUR PRIME RECRUITERS



- The Training and Placement Cell provides rigorous training to enable budding engineers to face cutting-edge competition in the corporate world. It also plays an important role in counseling and guiding the students and in arranging various technical and soft skills programs which augment the skills and increases the confidence of students when facing various tests and interviews conducted by the companies.

# "Cultural Events"





# Ganesh Utsav

The campus came alive with pride and honor as we embarked on a day filled with inspiring moments. The resonating notes of the National Anthem added to the patriotic fervor in the air.

A captivating lineup of performances and activities unfolded, showcasing the incredible talents of our students. From singing and dancing to heartfelt speeches and poetry, the essence of Patriotism was beautifully portrayed. We were moved to see our faculties also taking the stage and sharing their passion for our nation.



Inspirational speeches by key figures like Dr. Deven Shah and Dr. Mayur Dubey ignited our patriotic spirit. A highlight of the day was the handover ceremony for the new student council members, symbolizing unity and leadership

The stage came alive with vibrant performances by both students and teachers, filling the air with melodies and rhythm. Handcrafted posters capturing the essence of "Azadika Mahotsav - 77th Independence Day" adorned the venue, reflecting our students' artistic brilliance.

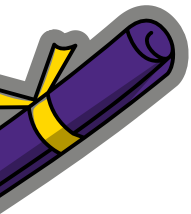
Principal Dr. Deven Shah expressed heartfelt appreciation to the esteemed faculty members and students, recognizing their collective efforts that turned this event into a resounding success.



# Teacher's Day



Teachers are the architects of a brighter future. Happy Teachers' Day!"  
Words can never pay the knowledge you have given us, words can never tell you how  
acknowledged we students are to have you as teachers. Happy teachers' day! 🧑🏫🧑🏫





# Mazel Tov



"Here's to embracing new chapters and making the most of every moment together 🥂"

🥳 Cheers to new beginnings! Welcome, dear juniors, to an amazing journey ahead.....  
Step into this night 🎆 with confidence, for tonight is all about celebrating your arrival"  
Fresher's bash: where fun meets new beginnings.....!! 🥳🥳

Let the music play, the laughter fill the air, and the bonds we form tonight last forever. 🎵









# Ganesh Utsav Celebration





Upon the celebration of Ganesh Utsav at Shree L R Tiwari College of Engineering on 26th September 2023, our campus was buzzing with devotion and excitement as students, faculty, and staff joined hands to honor Lord Ganesha. From vibrant performances to soul-stirring melodies, the event was a beautiful combination of culture and spirituality.

Through heartfelt prayers and joyful celebrations, we invoked the blessings of Lord Ganesha for a prosperous journey ahead. As the festivities draw to a close, the essence of Ganesh Utsav lingered, inspiring us to embrace unity and positivity throughout the year. It motivated us to cherish the memories and look forward to the blessings that lie ahead!







# Raas Garba Celebration







# "SPORTS"





# National Sports Day



The National Sports Day organized in the college was a one-day tournament with seven teams competing against each other. The primary objective of the event was to promote the sport of Basketball among the students and encourage them to participate in physical activities for their well-being. The event began with an opening ceremony where the teams were introduced, and the rules of the game were explained to the participants and spectators. The teams were named after their college, and each team was represented by seven players. The matches were played in a knockout format. The matches were fast-paced and exciting, with the players showcasing their skills and tactics to score points and win matches. The event was well-organized, with a scoreboard and a referee to ensure fair play and adherence to the rules. The matches were played on a grass marked with lines to demarcate the playing area, and the players wore appropriate clothing and footwear for the sport. As the day progressed, the excitement and enthusiasm among the players and spectators grew, with each match becoming more intense and competitive. The players displayed sportsmanship and respect for their opponents, and the matches were played in a friendly but competitive spirit. The final match was played between the two top teams, who knocked several teams out to reach finals, with the winner being declared the champions of the tournament. Overall, the National Sports Day organized in the college was a great success, with the objectives of promoting the sport, encouraging physical activity, and building community and social connections among the students being achieved. The event provided a platform for the students to showcase their skills and learn from each other, while also promoting healthy living and sportsmanship.



# SOCIAL ACTIVITIES





# Count of Voters

Members of the Department of Lifelong Learning and Extension (DLLE) launched an impactful project to raise awareness about the importance of voter turnout.



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Through this effort, students not only gained a better grasp of voter involvement, but also understood its importance in our democratic process. It was an interesting event that increased our peers' understanding and excitement for social responsibility.





# Cleanliness Drive



The Department of Lifelong Learning and Extension (DLLE) recently conducted a successful cleanliness blitz at Girgaon Chowpatty. The effort began when our Student Manager obtained the appropriate clearances from our Principal and Dean, paving the way for a community-oriented project.

With a shared commitment to environmental stewardship, DLLE members met to discuss the items needed for the campaign, such as rubbish bags and brooms.

We collaborated eagerly to clean up the beach, instilling a sense of responsibility for our surroundings.

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# Underprivileged Awareness

Members of the Department of Lifelong Learning and Extension (DLLE) arranged a noteworthy fundraising drive for a neighboring orphanage. Our Student Managers started by getting authorization from our Principal and Dean, and then contacted the orphanage to coordinate the initiative.



DLLE members, together with fellow students and staff, rallied to support the cause. Following several days of generous collecting, the Student Managers, led by Faculty Coordinators Mr. Dhiraj Singh and Dr. Lahu Teli, purchased necessary supplies for the youngsters, such as books and pens.

The culmination of this endeavor was a visit to the orphanage, where we had a wonderful time communicating with the children. This experience not only allowed us to give back, but also taught us the value of contributing to society and helping those in need. It was a wonderful day that left a lasting impression on everyone involved.





# UNNAT BHARAT ABHIYAN

## ORIENTATION



Orientation program of UBA & DLLE was conducted in Classroom 407 & 408 by Program Incharge Maheshwari Jadhav along with DLLE head Mr. Amarnath Landge respectively. The orientation was attended by SE, TE students along with the student volunteers. The PI discussed about the vision, mission of UBA, its objectives. Different areas to work under UBA like Organic Farming, Water management, Renewable Energy, Artisans Industries and Livelihood, Basic amenities, Convergence. How the UBA works and its benefits to the students. She discussed about the Action plan, adopted villages by the college & also different activities conducted under UBA in previous year. The PI also informed about the village survey & the household survey conducted of Depivali village. The registration form & the feedback form was shared with all the students for enrolling in UBA (for AY 23-24)



# SESSIONS

# PHOTOGRAPHS



# NSS UNIT

## Ek Bharat Shrestha Bharat

The NSS unit recently organized an "Ek Bharat Shrestha Bharat" activity for NSS volunteers, fostering cultural exchange and understanding. During this event, volunteers learned about the diverse traditions, languages, and cultures of different states of India. They had the opportunity to interact with volunteers from partner states, enhancing their knowledge of the rich heritage of the nation. The activity emphasized unity in diversity and the importance of preserving our cultural roots. Volunteers learned to appreciate the beauty of India's varied traditions and languages, promoting a sense of national integration and unity. This activity was a significant step in promoting the Ek Bharat Shrestha Bharat initiative.





# Uttan Beach Cleanup Drive

## Description

The NSS unit of Shree LR Tiwari college of Engineering took a proactive stance in environmental stewardship by coordinating a Beach Cleanup Drive at Uttan Beach. The Volunteers reported at the beach at nearly 7:15 and were given gloves and some big baskets to better collect the waste materials, our dedicated volunteers embarked on a mission to restore the pristine beauty of the coastline they combed the shorelines, collecting and responsibly disposing of plastic waste, debris, and other litter. Their efforts not only resulted in a cleaner beach but also sent a powerful message about the importance of environmental preservation. This report shines a light on the remarkable commitment of our NSS volunteers in making Uttan Beach a cleaner and more sustainable natural treasure.





# TECHNICAL EVENTS





# Seminar on Foundry

## DESCRIPTION

On 9th September 2023, a seminar on Foundry was successfully conducted, featuring four esteemed guest speakers who shared their valuable insights and expertise on various aspects of the foundry industry. The event aimed to bring together professionals, academics, and students interested in the latest trends, challenges, and innovations in the field. Each speaker covered a unique topic, ranging from advancements in foundry technology, sustainable practices, and process optimization to workforce development and future opportunities in the industry. Their engaging presentations sparked meaningful discussions among the attendees, enhancing their understanding of the current landscape of the foundry sector.

The seminar provided a platform for knowledge exchange and networking, enabling participants to interact with experts and gain a deeper appreciation for the complexities and opportunities within the foundry industry. The speakers' diverse backgrounds and experiences enriched the event, offering practical insights and real-world examples that highlighted the importance of continuous innovation and adaptation in this ever-evolving field. The event concluded with a Q&A session, where the audience actively engaged with the speakers, further deepening their understanding of the subject matter. Overall, the seminar was a resounding success, leaving participants inspired and well-informed about the future direction of the foundry industry.



# Cogni-pitch

The "Cogni-pitch" event, thoughtfully timed to coincide with Engineers' Day in India on September 15th, stands as a dynamic and intellectually invigorating platform that embodies the essence of technological innovation and engineering prowess. This multifaceted competition challenges participants, hailing from various engineering disciplines, to craft compelling and insightful PowerPoint presentations within the confines of a demanding 4-hour time frame.







The event's unique twist is that participants must delve into seven distinct domains: Artificial Intelligence and Data Science, IoT and Embedded Systems, IT Infrastructure and Security, Blockchain, Industry 4.0, Sustainable Engineering and Technology, and Software Development.

Participants, representing a cross-section of engineering disciplines, Student Welfare and Development Cell are not merely tasked with presenting their expertise but are also evaluated on their ability to convey complex ideas coherently and persuasively.



This evaluation is carried out by esteemed college faculties who serve as judges, ensuring that the competition transcends mere knowledge demonstration to emphasize effective communication, a hallmark of a successful engineer. This approach ensures that the competition transcends the realms of rote learning, emphasizing the practical skill set that is quintessential for engineers.



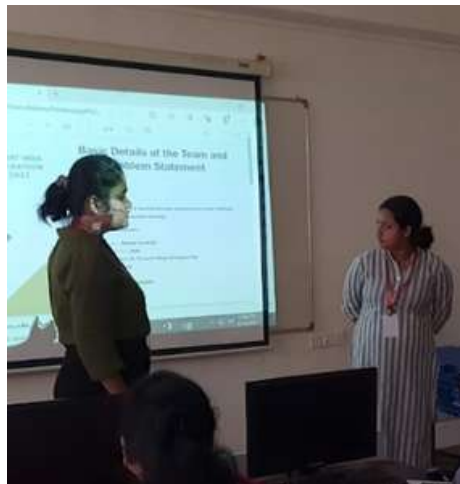


# SMART INDIA HACKATHON

The Smart India Hackathon (SIH) is an initiative by the Government of India to harness the creative and innovative potential of students in solving real-world challenges faced by various government departments and organizations. This policy outlines the guidelines and procedures for participation by engineering colleges in the Smart India Hackathon

Participation in the Smart India Hackathon is open to engineering colleges that are recognized by the All India Council for Technical Education (AICTE) or an equivalent accrediting body.

Students can not directly register themselves. Student can be registered by your college SPOC. Only those students are allowed to be registered who are selected in the Internal Hackathon. The college SPOC will be responsible to nominate the top 15 teams as per the internal hackathon results.





# ACHIEVEMENTS





Abhishek Jha, Heetakshi Shirgaonkar from SE IT, and Aryan Shukla from TE IT clinched the 1st, 2nd, and 3rd positions respectively in the Digital Poster Making Competition organized by ITSA.



Omkar Dalvi of TE IT secured the silver medal in the 4x100m Freestyle Event at the Intercollegiate Level, hosted by Viva College in Virar, showcasing remarkable speed and teamwork.



Dhruvin Rashinkar achieved the 2nd place, earning the silver medal in the boxing competition hosted at Poinсур Gymkhana as part of the Uttar Mumbai Krida Mahotsav.

I.A Workshop followed by a Project Competition was organized on “STM32/MSP 430 and Arduino Boards” on 24th and 25th August 2023 under IETE Students Forum (ISF).



I.An Interactive Guest session “Current and Future prospects of Electronics and Telecommunication Engineering” was conducted on 4th September 2023 by Mr. Atik Kadam of Batch 2018.





I. An "Industrial Visit to Bombay Stock Exchange and Seminar on Master class on Data Science" was organized by the EXTC & ECS department on 11th September 2023 at BSE, Fort



I. The Third Year Electronics and Telecommunication student achieved a remarkable 3rd prize in the fiercely competitive "Robo Route Rumble (Line Following Robot)" competition organized by St. Francis Institute of Technology (SFIT) on 16th September 2023.





# **Student Council**





# Student Council

2023-24



**Siddhi Rathod**  
(President)



**Nandini Maurya**  
(General Secretary)



**Vishesh Shah**  
(Technical Head)



**Prashant Pathak**  
(Sports Head)



**Samina Shaikh**  
(Cultural Head)



**Aryan Kanojiya**  
(Co-Cultural Head)



**Jikesh Gupta**  
(Co-Cultural Head)



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**To Be  
Continued**

