



# SHREE L.R. TIWARI College of Engineering

Approved by AICTE & DTE, Maharashtra State & Affiliated to University of Mumbai  
ISO 9001:2008 | DTE Code - 3423



For Our  
**Engineers**  
Excellence  
is the Path to  
**Success...**



## VISION

To be a world class institute and a fore-runner in educational and socioeconomic development of the nation by providing high quality technical education to students from all sections of society.

## MISSION

To provide superior learning experiences in a caring and conducive environment so as to empower students to be successful in life and to contribute positively to society.



## ABOUT US

Shree L. R. Tiwari College of Engineering (ISO 9001:2008), established in the year 2010, is the first engineering college in Mira-Bhayander. Within the first year of its existence it had already become one of the most sought-after engineering colleges in the extended western suburbs of Mumbai. This has been aptly demonstrated by the fact that a large majority of students admitted in the first batch were from beyond the local belt of Mira-Bhayander, some of them even from south and central Mumbai.

A team of qualified, experienced and committed teachers appointed through a rigorous selection process, could quickly establish an enviable academic ambience with whole-hearted support from the Management which spared no stone unturned to create the state-of-art infrastructure. However, there has been a constant endeavor at SLRTCE to further improve upon the performance on all fronts viz. teachers' training, student facilities, seminars and conferences as well as research. The institute has worked towards the formation of a fully fledged Placement Cell managed by reputed and experienced professionals.

SLRTCE promises a bright future for its students in terms of success at the University examinations as well as worthy internships and final placements in the corporate sector at the appropriate time.



**Shri Lallan R. Tiwari**  
Founder Chairman  
Rahul Education Society

"Vision 2020 - to strive towards excellence in delivering 360<sup>o</sup> Quality education, and our motto 'Lead the Way' with the logo of a lighted torch, represents our renewed and everlasting commitment to spread the light of knowledge in the lives of students. We insist on the 'Quality factor' for creating a bench mark, thus preparing them to face the ever-increasing challenges of the competitive world."

**Smt. K. L. Tiwari**  
President  
Rahul Education Society



"With SLRTCE being a leading institute of Rahul Group, equipped with a broad vision, dedicated team, qualified faculties and best infrastructure facilities, I am confident SLRTCE will not just prepare you for a rewarding career, but will help you lead, at any stage in life."



**Rahul Tiwari**  
Secretary  
Rahul Education Society

"It is no longer the case of 'how to make something'; but more a question of 'what to make'. On a personal note, I welcome you all to be a part of this Institute with a difference."

**Krishna Tiwari**  
Jt. Secretary  
Rahul Education Society

"Every aspect of the college's exploration process is geared towards enabling prospective students to gain the greatest possible exposure to the emerging trends in engineering and technology."





**Dr. S. Ram Reddy**  
**Principal**  
**Shree L R Tiwari College of Engineering**

"The dream of today can be turned into reality only by the support, cooperation and affection of parents and our well wishers who have bestowed undying faith in us. We hope that these hands of support will remain in years to come as there are many steps to ascend and umpteen laurels to achieve till the pinnacle finally becomes visible."





# COURSES OFFERED

Shree L. R. Tiwari College of Engineering offers full time courses for a four year duration leading to the degree of Bachelor of Engineering (B.E), University of Mumbai. All courses are approved by All India Council for Technical Education (AICTE), New Delhi & Directorate of Technical Education (DTE), Maharashtra State.





# UNDER GRADUATE COURSES

## Bachelor in Engineering (B.E.)

First Year Intake	Branches Current Intake
• Mechanical Engineering (MECH)	60
• Civil Engineering (CIVIL)	60
• Electronics and Telecommunication Engineering (EXTC)	60
• Electronics Engineering (ETRX)	60
• Computer Engineering (CMPN)	60
• Information Technology (IT)	60

Direct Second Year Extra Intake	Branches Current Intake
• Mechanical Engineering (MECH)	60
• Electronics & Telecommunication Engineering (EXTC)	60

# POST GRADUATE COURSES

Master In Engineering (M.E.)	Branches Current Intake
• Electronics & Telecommunication Engineering (EXTC)	24
• Computer Engineering (CMPN)	24





# ADMISSION - 2018-19

Admissions in First Year Engineering Course, Direct Second Year Engineering Course and Post Graduate Engineering Course are done as per the guidelines issued by the Government of Maharashtra's Higher & Technical Education Department vide GR dated 24 April 2017 under the Maharashtra Unaided Private Professional Educational Institutions (Regulation of Admission and Fees) Act 2015 and the Directorate of Technical Education, Maharashtra State, Mumbai from time to time.

## ELIGIBILITY CRITERIA

Eligibility Criteria for admissions in First Year Engineering Courses, Direct Second Year Engineering Courses and Master of Engineering (Post Graduation) Courses (M.E.) will be strictly followed as directed/decided by the Maharashtra Unaided Private Professional Educational Institutions (Regulation of Admission and Fees) Act 2015 and the Directorate of Technical Education, Maharashtra State, Mumbai from time to time.

## FEE STRUCTURE

### **First Year Courses & Direct Second Year Courses:**

The Fee of Rs. 78,000/- as approved by the Fee Regulating Authority, Maharashtra State, Mumbai, is chargeable for First Year Engineering Courses as well as Direct Second Year Engineering Courses starting from Academic Year 2018-19.

### **Post-Graduation Courses:**

The Fee of Rs. 54,000/- as approved by the Fee Regulating Authority, Maharashtra State, Mumbai, is chargeable for Post Graduate Engineering Courses starting from Academic Year 2018-19.

## FEE REFUND POLICY

The College will implement the Fee Refund policy as directed / decided by the Maharashtra Unaided Private Professional Educational Institutions (Regulation of Admission and Fees) Act 2015 and the Directorate of Technical Education, Maharashtra State, Mumbai from time to time.



# LIST OF DOCUMENTS

Three Attested copies of each to be attached with the application

## First Year Engineering Courses:

- Mark Sheet of SSC (Std X) Examination.
- Mark Sheet of HSC (Std XII) Examination / Diploma in Engineering Examination.
- Score Card of MHT-CET 2018 – for State candidates.
- JEE-MAIN-2018 (along with State & All India rank) for All India Basis candidates.
- Certificate of Indian Nationality of the Candidates.
- School/ College Leaving Certificate.
- Physical Fitness Certificate from a Registered Medical Practitioner.
- Domicile Certificate of Candidate and Father/Mother of Candidate. (In case of Linguistic Minority, OMS Candidates)
- Eligibility Certificate from the University of Mumbai & Migration Certificate. (In case of Candidates Passing Qualifying Examination from any other Board other than Maharashtra State Board of Secondary & Higher Secondary Education)
- Caste Certificate / Caste Validity / Non-Creamy Layer Certificate. (As Applicable)
- Income Certificate (for TFWS candidates)
- Aadhar Card copy (No. to be linked with the Bank Account of the candidate for Scholarship and fee reimbursement in the case of respective candidates)
- Additional documents by Defense, Physically handicapped and J&K candidates.
- Affidavit for belonging to Minority category on Rs.100/- Non-Judicial stamp paper duly notarized) (Applicable only for Linguistic Minority Candidates).
- Affidavit on Rs.100/- Non-Judicial stamp paper from the candidate and the parent as per AICTE Notification for prevention and prohibition of ragging in technical Institution/College. The said Affidavit should be duly notarized.



# LIST OF DOCUMENTS

## **Direct Second Year Courses:**

- Mark Sheet of SSC (Std X) Examination.
- Mark sheet of Diploma in Engineering examination (including ATKT)
- Mark Sheet of HSC (Std XII) Examination, if applicable.
- College Leaving Certificate and Migration Certificate.
- Equivalence Certificate (if belongs to autonomous College/Institute).
- Provisional Passing Certificate.
- Caste Certificate / Caste Validity / Non-Creamy Layer Certificate. (As Applicable)
- Aadhar Card copy (No. to be linked with the Bank Account of the candidate for Scholarship and fee reimbursement in the case of respective candidates)

## **Master in Engineering Courses:**

- Mark sheet of Degree in Engineering Examination. (including all Semesters)
- Score card of GATE-2018 (along with State & All India rank)
- Migration / Transfer Certificate (if belongs to other than University of Mumbai)
- Degree Passing Certificate.
- Aadhar Card copy
- All other relevant certificates/documents.

**The exact documents which are required for respective courses are also mentioned in the prescribed Admission Forms for First Year, Direct Second Year and also for Post Graduation Course in Engineering (M.E.) for AY 2018-19.**



# INFRASTRUCTURE & FACILITIES

## LABORATORIES

Laboratories being the focal point in an engineering college, care has been taken to equip them with state-of-art instruments & accessories. The computer lab and computer centers have the latest models of desktop PCs from Lenovo, an internationally acclaimed brand. All PCs are linked to a high-end IBM server through a structured LAN. Similarly, the other laboratories including the Electronics and Applied Sciences labs are equipped with instruments and tools from the most reputed manufacturers.





## SEMINAR HALL

The seminar hall, with a capacity to accommodate 120 students, serves as the venue for guest lectures, co-curricular activities like seminars & paper presentations and face-to-face interaction with distinguished personalities and experts from the industry. The seminar hall is equipped with latest audio-visual equipment and accessories.



## CLASSROOMS

All classrooms are spacious, well ventilated and designed to have abundant natural light. The class room furniture is custom-made to suit students' requirement for convenient seating for a long duration. Most classrooms are also equipped with an LCD Projector and Screen for more effective teaching-learning experience.



## LIBRARY

The Library services are provided to students, staff & faculty members for updating their knowledge and supporting and teaching / learning activities. The library has a rich collection of 16872 books, 69 National & 26 International Journals & 834 CDs for learning. It has the following sections which are open to all faculty and students.







## WORKSHOPS

The workshop measuring 2916 sq. ft. is equipped with necessary equipments & tools required to train the students in prescribed trades like Carpentry, Fitting, Electrical Board Wiring & PCB Laboratory Exercises. Our experienced staff helps the student to acquire hands on experience in basic engineering skills.



## CAFETERIA

There is a spacious & clean cafeteria that accommodates about 80-100 students. The canteen is managed by a reputed catering contractor. The pure veg food is prepared under clean & hygienic conditions. The cleanliness in and around the canteen area is monitored by the administration staff.







# TRAINING & PLACEMENT

- The Training & Placement Cell provides rigorous training to enable budding engineers face cutting-edge competition in the corporate world.
- Almost 75% of eligible students are placed every year.

## RECRUITERS

TCS, IBM, L&T Infotech, Tech Mahindra, Reliance Communications, Neebal Technologies, Iksula Services Pvt. Ltd., Paramatrix, Genpact and many more.





# ANNUAL JOB FAIR

- Witnessed more than 2300 candidates
- Participation from more than 197 colleges across the country
- Quick interviews were conducted by employers from around 60 companies.





# MAJOR RECRUITERS

- Tech Mahindra
- Infosys
- Genpact
- Directi
- Seclore
- Reliance Jio
- Reliance Retail
- Verdantis
- Vistex
- Bitwise
- Zeus Learning
- Mouthshut
- Media.net
- CMSS
- eClinical Works
- CEX
- Majesco
- Mitsubishi Elevator India Pvt. Ltd.
- ANA Realty
- Prabhat Telecom
- eTouch Systems
- Diebold
- Lite Technology
- Sahajanand Laser
- AI-CAN

- Newgen
- ContentSphere
- RoopTelesonic
- Quinnox
- Ugam
- Aurionpro
- QAD
- Prototech
- NeoSoft
- Acty System india Pvt. Ltd.
- Information Asset,LLC
- Paramatrix
- NucSoft
- Core Integra
- Premier Shield Pvt. Ltd.
- Asian Paints
- Eureka Forbes Ltd.
- Global Service Group
- HDFC Group
- Hinduja Global
- Pan Gulf
- Dani Group
- Matrix Technologies








# RESEARCH & DEVELOPMENT

## INSTITUTE'S RECOGNITION:

- Remote Centre of IIT Bombay (Code: 1306), under National Mission on Education through ICT (NMEICT) funded by MHRD, Govt. of India.
- Aakash Tablet Centre for IIT Bombay, under National Mission on Education through ICT (NMEICT) funded by MHRD, Govt. of India.

## WORKSHOPS:

A two part AICTE approved Faculty Development Programme with aim of empowering faculty in online and blended teaching-learning process organized by IIT Bombay under the aegis of PMMNMTT

**Foundation Program in ICT for Education (FDP101x): 3 August 2017 to 12 September 2017 - 78 participants**

**Pedagogy for Online and Blended Teaching- Learning Process (FDP201x): 14 Sep - 30 November 2018**  
– 59 participants



# INCUBATION CENTER

**Name: VyavasayAbhyasNiketan**

**Date of Commencement: 29 September 2017**



## Purpose:

"SLRTCE Incubation centre 'Vyavasay Abhyas Niketan' aims at providing an environment to translate knowledge and innovation into creation of successful entrepreneurs. "

## We aim to:

- Incubate early stage entrepreneurial ventures based on technology and innovation.
- Creation of Technology Based incubates on continuous basis.
- Help to create value added jobs and services.
- Facilitate networking with professional resources, which include mentors, experts, consultants and advisors for the incubate companies.
- Fostering the entrepreneurial spirit.
- Create Awareness about Technology Incubation and Commercialization of R & D products and processes.
- Developing tools for Technology Transfer.
- Promote small & medium industries.
- Assistance to existing incubates by way of specialized services



## LIST OF ACTIVITIES AT SLRTCE INCUBATION CENTRE:

- Mr. Gaurang Mehta conducted workshop on incubation, start-ups and entrepreneurship.
- Start-ups incubated in SLRTCE – 'House of Tees' by our students Mr. Sajjan Mishra and Mr. Vinay Nair.
- House of Tees: Selling customized T-shirts, raglan, full sleeves and other apparels for men/women and kids.





# COLLEGE FESTIVAL 'UTSAV 2k18'

**'UTSAV 2k18' - NATIONAL LEVEL TECH FEST – 15 February 2018**

- Events like Project Competition, Technical Paper Presentation, Robotics, LAN Gaming, Bridge making, CADware, Fastest Circuit First were arranged, which attracted students of every branch
- Overwhelming participation of hundreds of students from about 10 colleges
- Exciting cash prizes were given to the deserving candidates



# COLLEGE FESTIVAL 'UTSAV 2k18'

**'UTSAV 2K18' - CULTURAL FEST – 16 FEBRUARY 2018**

A variety of performances were showcased by students in cultural events like fashion show, solo dance, group dance, duet dance, singing etc. An extravagant event is held in our college every year as 'Persona'. This year we saw participation of 200 and more students in various cultural events such as dance, singing and fashion show. The evening came to an end with the Prize distribution ceremony in which students were given medals and certificates for their achievements in academics and various intra-college events followed by vote of thanks. The event was a grand success under the guidance of the Principal and efforts taken by the students, teaching and non-teaching staff.







# COLLEGE FESTIVAL 'UTSAV 2k18'

**UTSAV VISMAY - ANNUAL INTRA COLLEGE SPORTS FESTIVAL – 10 TO 14 FEBRUARY 2018**

- Participation of around 1500 students from all branches offering an unparalleled competitive environment
- Offers a platform for students to showcase their talent and compete in a highly charged and competitive ambience with highly equipped sports facilities
- Various sports events like Athletics, Cricket(Overarm, box, Glow), Football, Rink Football, Kabaddi, Volleyball, Throwball, Badminton, Chess, Carrom, Table Tennis, Fitness Challenge, Arm wrestling and Tug-of-War
- Boys and Girls participate equally and compete together
- The prize distribution ceremony was held on 16th February 2018 in the evening in which 32 trophies, 150 Gold medals, 150 Silver medals, 26 bronze medals and Cash prize worth Rs.80,000/- was awarded to winners of different events.





# DEGREE AWARD CEREMONY

The Fourth Batch (2013-17) was awarded the B.E. Degree Certificates on Graduation Day.





# ALUMNI GET - TOGETHER

The Alumni Association arranges interactive sessions where in Alumni are invited to share their experiences with the Final Year students.







# COLLEGE INDUSTRIAL VISIT

**Between 10<sup>th</sup> - 18<sup>th</sup> January 2018**  
**Mussoorie-Rishikesh-Haridwar-JimCorbett,**  
**Uttarakhand-Nainital**

More than 150 students from all departments from First Year to Final Year joined the Industrial Tour.

Students were engaged in team-building activities and developed qualities of discipline, planning, time and resource management, interaction with industry personnel etc.

Visited various Industries | Historical sightseeing.





## DEPARTMENT ACTIVITIES

A number of Workshops, Seminars, Visits are conducted by each Department throughout the year. Eminent speakers, researchers and experts from various fields deliver information and develop skills in the students to enhance their knowledge and provide training in latest technology.





## LIST OF ACTIVITIES IN 2017-18 :

- Two Days workshop on 'Python', 22 and 23 March 2018, conducted by I.T. Department
- Internships on IOT, 20 March 2018, conducted by I.T. Department
- Webinar on Python and Machine Learning, 29 January 2018, conducted by I.T. Department
- Seminar on 'Stress Management', 23 March 2018, conducted by Dept. of Computer Engineering
- Workshop on 'Android Development', 2 Feb 2018, conducted by Dept. of Computer Engineering
- Workshop on 'Cyber and Mobile Security', 17 Oct 2017, conducted by Dept. of Computer Engineering
- Seminar on 'SAS Technology', 22 Sep 2017, conducted by Dept. of Computer Engineering
- One day seminar on 'The Future of IT Digital Transformation' and NIIT's 26th BHAVISHYAJYOTI Scholarship exam, 11 Sep 2017, conducted by Dept. of Computer Engineering
- Seminar on 'Welding Technology', 10 Oct 2017, conducted by Dept. of Mechanical Engineering
- Seminar on 'Robotics', 22 Sep 2017, conducted by Dept. of Mechanical Engineering
- Seminar on 'Boundary Layer Thickness', 15 Sep 2017, conducted by Dept. of Mechanical Engineering
- Industrial visit to Gargoti Museum on 12 Oct. 2017, organized by Dept. of Civil Engineering
- Site visit to a nearby construction site 'Salasar Woods', on 26 September 2017, organized by Dept. of Civil Engineering
- One day Industrial visit to Reliance Thermal Power plant, Dahanu, on 10 October 2017, organized by Dept. of Electronics Engineering
- Workshop on IOT, 9 to 12 Oct 2017, conducted by Dept. of Electronics and Telecommunication
- Seminar on 'Image and Video Processing', 29 Sep 2017, conducted by Dept. of Electronics and Telecommunication
- Industrial Visit to Reliance Communication, Ghansoli, on 15 Sep 2017, organized by Dept. of Electronics and Telecommunication
- Skill enhancement session on Electronic Devices , on 13 Sep 2017, conducted by Dept. of Electronics and Telecommunication
- Workshop on 'Impedance Matching using Smith Chart', on 4 Aug 2017, conducted by Dept. of Electronics and Telecommunication





# GO KARTING

The L.R.T VORTEX 2.0 Team of Shree L.R. Tiwari College of Engineering (SLRTCE), successfully built a sleek and Stylish Manual Go-kart with Jockey Shifter. The Team of 14 students from T.E. & B.E Mechanical Students was further divided into 4 groups that managed separate departments of Transmission, Chassis, Brakes and Steering in the making of the Kart. Our Team passed with 350 points in the virtual round gaining the 16th Rank. Being one of the 98 teams that were selected out of 190 teams, they further participated in the GO KART DESIGN CHALLENGE of ISNEE at KariMotor Speedway, Coimbatore, from 12 to 16 February 2018.



# SLRTCE'S NATIONAL SERVICE SCHEME (NSS)

## Street Play on Cancer Awareness on 4 Feb 2018 at Vardhaman Fantasy, Mira Road

To make people aware how to tackle this deadly disease, our NSS unit performed a street play under the guidance of Smt. Geeta Jain, ex-mayor of MBMC.

The street play also brought into light social causes like peer pressure and addiction.

The message that was conveyed through this play:

**"Nashanaakare, Nashanaahonede"**



**Cancer day**



**Voting Awareness**



**Republic day**



**Road Safety Drive**



**NSS day**



**Paper Bag Making**

#### **OTHER ACTIVITIES:**

- One for All – All for One' on 31 January 2018 at NSCI Dome, Worli
- Republic Day Celebration on 26 January 2018 at Mira Road Station and Shanti Nagar
- Youth Day on occasion of Swami Vivekananda Jayanti celebrated on 12 January 2018 by organizing a Seminar and Question Answer Session on current issues and functioning of the State in various domains.
- Women sensitization programme (street play) on 28 November 2017
- NSS Special Camp to perform Social Service at Zambulpada, Vaitarna from 3rd to 9th January 2018
- HIV Awareness programme on 27 November 2017
- Road Safety Drive on 25 November 2017 at Beverly Park
- Paper Bag making and distribution on 16 November 2017 in the college premises and Beverly Park road
- Bhajan Sandhya on 2 October 2017 at Gateway of India, Mumbai
- NSS day Celebration on 22 September 2017 at Zambulpada, Vaitarna
- MBMC Voting Awareness on 5 October 2017 at Mira Road Station and Shanti Nagar





# AICTE NOTIFICATION

As per the notification of All India Council for Technical Education (AICTE) dated 25.03.2009 connection with prevention and prohibition of ragging in technical institutions, universities including deemed to be universities imparting technical education, notify that : All concerned are requested to make note that ragging is totally banned and anyone found guilty of ragging and / or abetting ragging is liable to be punished. Maharashtra prohibition of ragging Act 1999 which is in effect from 15th May 1999 has the following provision for Action against Ragging:

- a) Ragging within or outside of an education is Prohibited.
- b) Whosoever directly or indirectly commits, Participates in, abets or propagates ragging within or outside any educational institute shall, on conviction, be punished with imprisonment for a term up to 2 yrs and/ or penalty which may be extended to ten thousand rupees.
- c) Any student convicted to an offence of Ragging shall be dismissed for 5 years from the date of order of such dismissal.
- d) Whenever any student or, as the case may be, the parent or guardian or a teacher of educational institution complains, in writing, of ragging to the head of the educational institution, the head of the educational institution shall without prejudice to the foregoing provision, within seven days of the receipt of the complaint, enquire into the matter mentioned in the complaint and if, prima facie, it is found true, suspend the student who is accused of the offence, and shall, immediately forward the complaint to the police station having jurisdiction over the area in which the educational institution is situated, for further action. Where on enquiry by the head of the educational institution, it is found that there is no substance, prima facie, in the complaints received; he/she shall intimate the fact, in writing, to the complainant. The head of educational institution shall be final.
- e) If the head of the educational institution fails or neglects to act in the manner specified in the section "d" above when a complaint of ragging is made; such a person shall be deemed to have abetted the offence and shall, on conviction, be punished as provided for in Section "b" above.

## Ragging Prevention at Shree L. R. Tiwari College of Engineering

1. Anti ragging committee is constituted.
2. Names, Telephone nos. of the committee members have been displayed on the website.
3. Staff members carry out the necessary counseling from time to time.



## ADVISORY COUNCIL



**Dr. K. G. Narayankhedkar**  
Ex-Director V.J.T.I., Mumbai



**Shri D. C. Upadhyaya**  
G.M., Hino Motors Toyota



**Dr. Dilip Dewaikar**  
Professor IIT Bombay



**Dr. S. B. Singh**  
Ex-Principal



**Mr. S. K. Krishnan**  
Vice President, Mahindra & Mahindra

Excellence is the unlimited ability to improve the quality  
of what you have to offer!





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