

L. D. COLLEGE OF ENGINEERING

RUBBER TECHNOLOGY DEPARTMENT

NEWSLETTER

JULY - DECEMBER 2025

HIGHLIGHT

- COLLABORATION
- ACHIEVEMENTS
- EXHIBITION
- PLACEMENT
- PUBLICATION
- CHAMPIONSHIP
- WORKSHOP

DEPARTMENTAL WEBSITE

WWW.RUBBERTECH.CO.IN

Shaping Industries Through Rubber Science

Rubber technology is a specialized field of engineering focused on transforming natural and synthetic elastomers into reliable, high-performance products. It covers compound formulation, processing techniques, testing methods, and latex technology to ensure materials meet strict industrial and safety standards. Students studying Rubber Engineering Technology gain practical and technical expertise in compound mixing, mechanical and rheological testing, material selection, and the design of molds and finished products.

A major focus of this discipline is the development of customized rubber compounds with specific properties such as elasticity, tensile strength, abrasion resistance, heat tolerance, and chemical stability. Through controlled compounding and precision mold design, engineers create products that perform consistently under demanding operating conditions. These engineered materials are essential for maintaining durability, safety, and efficiency across various industrial applications.

The expansion of the automotive industry has significantly strengthened the rubber sector, increasing the demand for advanced materials used in tires, seals, gaskets, hoses, and vibration control components. With the rise of electric vehicles and modern safety systems, the need for high-performance elastomers continues to grow. In India and worldwide, this growth is generating strong career prospects in research, manufacturing, quality assurance, and product innovation, positioning rubber technology as a dynamic and future-oriented engineering field.

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VISION

To achieve global standards in quality of Education, Research & Developments, Training in rubber technology and to empower the students to be leader in rubber technology

MISSION

- *To Develop Industry Oriented Rubber Technology graduates to accept the challenges of society by, Teaching Rubber Technology knowledge through highly qualified and trained faculty in encouraging environment.*
- *Creating awareness about the needs of industries and society through alumni and Industry-Institute interactions.*
- *Encouraging them to think inventively and introduce them to various research activities through advanced project works related to Rubber Technology.*
- *Supporting them to prepare in all aspects like communication, entrepreneurship, and interpersonal skills.*

Message From H.O.D.



Prof. (Dr.) R. N. Desai

Rubber Technology is a specialized and dynamic field focused on transforming rubbers or elastomers into useful, innovative products. At the Department of Rubber Technology, L. D. College of Engineering, we take great pride in our continuous growth in academics, research, and industry placements. Our vision is to set global standards in education, research, and training while empowering students to become leaders in the field of Rubber Technology.

We are committed to providing our students with a well-rounded education that blends intellectual growth with hands-on experience. This unique approach equips them to meet a variety of societal needs, fostering confidence, self reliance, and responsibility necessary to serve our nation. With our hardworking students, dynamic faculty, and collaborative culture, our department creates an environment of excellence.

The field of Rubber Technology encompasses diverse areas, from the processing of natural and synthetic rubber to the design of products that meet industry standards. Our curriculum ensures that students gain advanced knowledge in mixing, testing, and processing rubber compounds, as well as product and mold design.

The growing demand for rubber in industries, especially with the rise of the automotive sector, makes Rubber Technology a promising and rewarding career path. With a booming rubber industry both in India and globally, the demand for skilled professionals is on the rise.

I am confident that our students will continue to excel and uphold the department's reputation with their professional competence and dedication. I wish them all the best in their future endeavors.

- Prof. (Dr.) R. N. Desai

Major Events

- The Rubber Technology department has jointly arranged a workshop in association with RubberKing Tyres Ltd. on “Solid Tyre Industry Practices and Innovations”, coordinated by Mr. Pankag Bagora,HR manager and addressed by Mr. Deven Gavarwala,MD,Rubber King Tyres at the industry on 06th September.





- The Rubber Technology department has arranged an Online GTU Orientation program for BE first year Rubber Technology students on 07th August, 2025 at Rubber Technology Department

- The Rubber Technology department has organized a campus placement of CEAT Tyres on 1st October 2025, for students of B.E. Sem VII, Rubber Technology. One student got placement and two students got Internship which reflects the company’s strong engagement with the institute and commitment to nurturing young talent. Prof. R.N.Desai has arranged and Prof. Sunil Padhiyar has coordinated the drive.





- The Rubber Technology department has arranged a campus placement of Rubberking Tyres on 17th November 2025, for students of B.E. Sem VII, Rubber Technology.Three students got placement and three students got Internship. Prof. R.N.Desai has arranged and Prof. Sunil Padhiyar has coordinated the placement.

- The Rubber Technology department has arranged a campus placement of ABC Rubber products on 22nd November 2025, for students of B.E. Sem VIII, Rubber Technology and Two students got Internship. Prof. R.N.Desai has arranged and Prof. Sunil Padhiyar has coordinated the placement.





- The Rubber Technology department has arranged the BIS (Bureau of Indian Standard) Quiz competition for students of Rubber Technology on 27th November 2025. Prof. R.N.Desai has arranged and Prof. Anal D. Bhatt and Prof. Bhakti D. Patel coordinated the event.



Departmental Activities

- **The Rubber Technology Department arranged pedagogy with Mr.Samshad Ansari, DGM, BKT Tyres & Rubber Alumni on "Optimization of Tyre Tread Pattern through Computational Simulation " on 11th August 2025 and attended by faculties.**

- **The Rubber Technology Department arranged pedagogy with Mr. Vedant Wagh, Rubber Alumni and MD, Activas Enterprizes on " Alternative fuels: Biogas production from Sugarcane waste" on 22nd August 2025 and attended by faculties.**

- **The Rubber Technology Department arranged pedagogy with Mr. Dhruvraj Sinh , Alumni, Rubber Technology on "Mastering the Entrepreneur Skills for successful Entrepreneurship" on 30th August 2025 and attended by faculties.**

- **Dr. R. N. Desai has arranged an Expert Lecture on "Production ofWTR- Whole Tyre Reclaim and its advantages" for Students of BE V & VII of Rubber Technology, delivered by Mr. Ayush Sharma, MD Pushpak India Company on 19th September 2025.**

- **The Rubber Technology Department arranged pedagogy with Mr. Nihar Shah & Ms. Dipti Sonavane, Rubber Alumni and R&D executive, ALP Nishikava on "Design and development of Extruded rubber products" on 30th September 2025 and attended by faculties.**

- **The faculties of Rubber Technology department has participated in the webinar organized by AIRIA,s Knowledge series: Rubber & Beyond, topic:"Reverse engineering of rubber Products". The session was delivered by speaker is Dr. (prof). Harikrishnan Pulikkalparambil, Professor School of NanoScience and Nanotechnology, Mahatma Gandhi University, Kottayam, Kerala on 05th August 2025.**

- **The Rubber Technology Department arranged an expert lecture on "Importance of Hydrolysis for waste management of Rubber products" on 7th October 2025 for students of B.E.VII, Rubber Technology. The session was delivered by with Mr.Ankit Vandra, Alumni Rubber Technology.**

- **The Rubber Technology Department arranged an expert lecture on "Role of Biopolymers in Biodegradation of Rubber products" on 21st November 2025 for students of B.E. Rubber Technology. The session was delivered by with Mr. Prakash Patel, MD, Agile products.**

- **The Rubber Technology Department arranged an expert lecture on "Python programming language" on 24th November 2025 for students of B.E.III Rubber Technology. The session was delivered by Prof. N.M. Patel, Professor, Chemical Engineering.**

Departmental Activities

- The Rubber Technology Department arranged an expert lecture on “Simulation of Tyre design and its impact on Road performance” on 15st December 2025 for students of B.E. Rubber Technology , delivered by with Mr. Ratnadip Bhoi, Technical Executive, Maxxis Tyres.

- The Rubber Technology Department arranged pedagogy with Mr. Nikunj Thakkar on “Market Segmentation & Targeting in Rubber Industry” on 18th December 2025 and attended by all faculties.

- The Rubber Technology Department arranged pedagogy with Mr. Chauhan Harsh and Kishan Patel from Elastocheime on “The importance of sustainable materials in the rubber industry” on 18th December 2025 and attended by all faculties.Their expertise helped highlight how the adoption of eco-friendly alternatives can drive the industry towards more environmentally responsible practices, ensuring a sustainable future for rubber production.

- The Rubber Technology Department arranged pedagogy with Mr. Jethva Riten from Propacs Industries shared on “Technology involved in Production of heavy-duty corrugated boxes” on26th December 2025 and attended by all faculties. His talk focused on the significance of durable, eco-friendly packaging solutions in various industries.



Industry Interaction

- On 01/08/2025, a technical talk was organized for B.E. Semester VII students at Elastochem Pvt. Ltd., coordinated by Prof. R.Y. Modan, with 5 students participating.
- An industrial visit was conducted on 22/08/2025 for B.E. Semester V students at Praveen Rubber and Engineering Works, Sarapur, Ahmedabad, under the coordination of Prof. Anal Bhatt. A total of 17 students participated.
- On 06/09/2025, B.E. Semester V and VII students visited Rubber King Pvt. Ltd., Viramgam. The visit was coordinated by Prof. Bhakti Patel, Prof. Sunil Padhiyar, and Prof. Gyanu Bhatt, with 25 students participating.
- A technical talk was held on 19/09/2025 for B.E. Semester VII students at Rubber Concept Pvt. Ltd., coordinated by Dr. R.N. Desai and Prof. G.G. Bhatt, with 10 participants.
- On 10/10/2025, a technical talk was arranged for B.E. Semester V students at Rubber Concept, Ahmedabad. The session was coordinated by Prof. G.G. Bhatt, and 5 students attended.
- Another technical talk was conducted on 22/11/2025 for B.E. Semester VII students at ABC Rubber Products, Santej, Ahmedabad. The program was coordinated by Prof. R.N. Desai and Prof. S.J. Padhiyar, with 5 students participating.
- On 18/12/2025, B.E. Semester V students attended the India Rubber & Tyre Show (IRTS) at Vigyan Bhawan, Science City. The event was coordinated by Prof. A.D. Bhatt, Prof. G.G. Bhatt, and Prof. R.Y. Modan, with 10 students participating.
- On 20/12/2025, B.E. Semester VII students participated in the India Rubber & Tyre Show (IRTS) at Vigyan Bhawan, Science City. The visit was coordinated by Prof. R.N. Desai and Prof. S.J. Padhiyar, with 10 students attending.
- A technical talk on material testing in balloon manufacturing was organized on 30/12/2025 in the Rubber Technology Department for B.E. Semester V students. The session was coordinated by Dr. R.N. Desai and Prof. B.D. Patel, with 20 students participating.

Papers Presented/Published

Prof. S.J. Padhiyar presented a research paper titled “Effect of Lignin Biopolymer, Microfiber, and Rubber Matrix on the Mechanical, Fatigue, Dielectric, and Electromagnetic Shielding Properties of Composites” in Polymer Bulletin Journal, December 2025



Faculty Achievements

- **Prof. A.D. Bhatt, Prof. S.J. Padhiyar, Prof. G.G. Bhatt, and Prof. R.Y. Modan worked as Department Coordinators for the Startup Conclave held at Mahatma Mandir on 23/09/2025 and attended the event along with students of the Rubber Technology Department.**

- **Prof. A.D. Bhatt and Prof. B.D. Patel delivered an awareness session on "BIS Activity and the Role of Quality & Standards" to the students of the Rubber Technology Department on 27 November 2025.**

- **Prof. B.D. Patel attended the valedictory ceremony of the Ahmedabad International Book Festival on 17 November 2025 at Sabarmati Riverfront along with B.E. Semester V students.**

- **Prof. S.J. Padhiyar attended the exhibition organized under Vikas Saptah–2025 on 8 October 2025 at Sabarmati Riverfront, Ahmedabad, accompanied by B.E. Semester VII students.**

- **Prof. S.J. Padhiyar also attended the inaugural ceremony of the Ahmedabad International Book Festival on 13 November 2025 at Sabarmati Riverfront, Ahmedabad, along with B.E. Semester V students.**

- **Prof. S.J. Padhiyar authored and published the book titled Biomaterials in Rubber and Polymer Industries: Sustainable Innovations and Applications with Cosmas Publications.**

- **Prof. R.Y. Modan attended the exhibition organized under Swadesh Utsav–2025 on 5 December 2025 at GMDC Ground along with B.E. Semester I to III students.**





Students' Achievements

- **Mr. Viransh Shah, Mr. Aditya Purohit, and Mr. Mohitraj Chudasama of B.E. Rubber Technology Semester III secured 2nd position in the PMI Auction during the IGNITE 3.0 event, demonstrating strong teamwork and learning skills.**

- **Mr. Viransh Shah of B.E. Semester III secured the Runner-up position in the Debate Competition at IGNITE 3.0, showcasing excellent analytical and presentation abilities.**

- **Students of B.E. Rubber Technology attended the Startup Conclave 2025 on 23rd and 24th September 2025 at Mahatma Mandir, organized by i-Hub Gujarat. The event was inaugurated by Amit Shah and focused on the theme "Innovate, Elevate, Accelerate."**

- **Students of B.E. Semester III actively participated in the Online Quiz on Viksit Bharat Young Leaders Dialogue (VBYLD) 2026 conducted on MYBharat by the Ministry of Youth Affairs & Sports, Government of India, on 4th October 2025.**

- **Mr. Devansh Raval of B.E. Rubber Technology Semester VII participated in the 9th Men's National Blind Football Tournament held in Dehradun, Uttarakhand, from 18th to 20th December 2025. Playing as goalkeeper, he played a key role in his team's championship victory by saving three penalties in the shootout.**

- **Mr. Jayant Jha of B.E. Semester VII visited Western Rubbers Pvt. Ltd. on 19th December 2025 and gained practical exposure to the manufacturing process of inflatable seals.**

- **Mr. Veerendra Swamy of B.E. Semester VII has been placed at CEAT Limited through the L.D. College of Engineering Placement Cell on 1st October 2025.**

- **B.E. Semester III students attended a BIS awareness session on 27th November 2025 in the Rubber Technology Department, gaining knowledge about standardization and quality control practices.**

- **B.E. Semester III students attended an expert lecture on Python programming on 24th November 2025, which enhanced their understanding of programming concepts and engineering applications.**

- **B.E. Semester III students attended a seminar on Composite Materials on 14th November 2025, where they learned about types, properties, manufacturing methods, and industrial applications.**

Students' Achievements

- **Students of B.E. Semester III participated in a BIS Quiz Competition on 27th November 2025 and secured First to Fourth positions, winning cash prizes.**

- **Mr. Nirjalshih, Mr. Vatsal Padhiyar, Mr. Om Borse, and Mr. Hardik Sisodiya secured First to Fourth positions respectively in the BIS Quiz Competition on 25th November 2025 and received cash prizes.**

- **Mr. Aditya Purohit, Mr. Mohitraj Chudasama, Mr. Vatsal Padhiyar, and Mr. Viransh Shah of Semester III attended the India Rubber and Tyre Show – 4th Edition 2025 on 19th December 2025 at Vigyan Bhawan, Science City, where they observed raw materials, finished products, and advanced machinery.**

- **Rajput Aditya of B.E. Semester III worked as a volunteer at the India Rubber and Tyre Show – 4th Edition from 18th to 20th December 2025 at Vigyan Bhawan, Science City.**

- **Dev Prajapati, Sahil Pandya, Rohan Machhi, Harsh Chauhan, and Krish Bariya of B.E. Semester V visited the India Rubber and Tyre Show – 4th Edition on 18th December 2025 at Vigyan Bhawan, Science City.**

- **Priya Umaretiya of B.E. Semester V participated in the GRP Hackathon 2025 on 28th November 2025 through online mode.**

Professional Development

- **Prof. B.D. Patel, Prof. S.J. Padhiyar, and Prof. G.G. Bhatt successfully completed the SWAYAM NPTEL MOOC course titled Foundation on Rubber Science, Technology and Manufacturing from 21/07/2025 to 10/10/2025 in online mode.**

- **Dr. R.N. Desai, Prof. A.D. Bhatt, Prof. B.D. Patel, Prof. S.J. Padhiyar, and Prof. R.Y. Modan participated in the Chemical Engineering Symposium (ChES'25) on 11 October 2025 at Indian Institute of Technology Gandhinagar. The symposium was jointly organized by IIT Gandhinagar and Sardar Vallabhbhai National Institute of Technology Surat.**

- **Prof. S.J. Padhiyar attended the Asia Labex National Level Laboratory Show on 15 November 2025 at Helipad Exhibition Centre.**

- **Prof. A.D. Bhatt, Prof. S.J. Padhiyar, Prof. G.G. Bhatt, and Prof. R.Y. Modan attended the India Rubber & Tyre Show (IRTS), a national-level rubber exhibition organized by the Rubber Manufacturers' Welfare Association (RMWA), from 18 to 20 December 2025 at Vigyan Bhawan Science City.**

- **Dr. R.N. Desai, Prof. A.D. Bhatt, Prof. B.D. Patel, Prof. S.J. Padhiyar, Prof. G.G. Bhatt, and Prof. R.Y. Modan attended an AI Workshop organized by DTE, Gandhinagar, on 05/07/2025 at L.D. College of Engineering (Aaryabhatt Hall).**

- **Prof. Gnanu Bhatt attended the SSIP Beneficiaries Boot Camp on 29–30 August 2025 at i-Hub Gujarat, Ahmedabad.**

Community Engagement And Sports

- **Jimitsinh Gohil won the Gold Medal in the GTU Intercollege Taekwondo Competition under GTU SPIRIT 2025–26, organized by Gujarat Technological University. The competition was held at Sigma Institute of Engineering on 25th August 2025.**



- **Prof. Bhakti Patel along with students of the Rubber Technology Department attended the road show of the Honourable Prime Minister Narendra Modi on 25th August 2025.**

- **Dr. R.N. Desai, Prof. Aanal Bhatt, and Prof. Bhakti Patel carried out necessary arrangements and documentation under WDC activities for the NBA visit of the Electrical and Civil Engineering Departments from 24th to 26th September 2025.**

- **Devansh Raval represented Gujarat in Blind Football at the national level from 18th to 20th December 2025, demonstrating commendable sportsmanship and dedication.**



Community Engagement And Sports

- **A WDC, ICC, and Anti-Ragging awareness programme was conducted for first-year girls of the Rubber Technology Department on 23/07/2025 to promote awareness about safety, rights, and institutional support systems.**

Miscellaneous



Workshop at RubberKing Tyres



Visit at India Rubber & Tyre Show (IRTS)





Industrial Visit

Miscellaneous



StartUp Conclave

Major Recruiters

CEAT

MAXXIS TIRES

apollo TYRES go the distance

BKT

ATG ALLIANCE TIRE GROUP

INNOVATIVE

BANCO

MRF

PARTH RUBBER TECH PVT. LTD.

PIONEER

HI-TECH ELASTOMERS LTD.

Jayashree Polymers Pvt. Ltd

PRAVIN RUBBER & ENGG. WORKS

WESTERN RUBBERS THE SEALING COMPANY

ALP THE ALP GROUP

Reliance Industries Limited

WELSPUN INDIA

SEVITSIL SOLUTIONS IN SILICONE

GRP IMPACT POSITIVE

ASHUTOSH ASHUTOSH RUBBER PVT. LTD.

SHRINATH PRODUCTS Health & Personal Care Solution

ARCHANA RUBBERS PVT. LTD.

FEZZAN New Geometry of Rubber Fishfa Rubbers Ltd

Rubber Concept Complete Solution in Rubber Technology

Gold Seal SAARGUMMI

Ami Polymer Pvt. Ltd "Sealing Expert in Silicone"

RUBBER KING

JK TYRE TOTAL CONTROL

Faculties



Prof. (Dr.) R. N. Desai
Head of the Department



Prof. A. D. Bhatt
Assistant Professor



Prof. B. D. Patel
Assistant Professor



Prof. S. J. Padhiyar
Assistant Professor



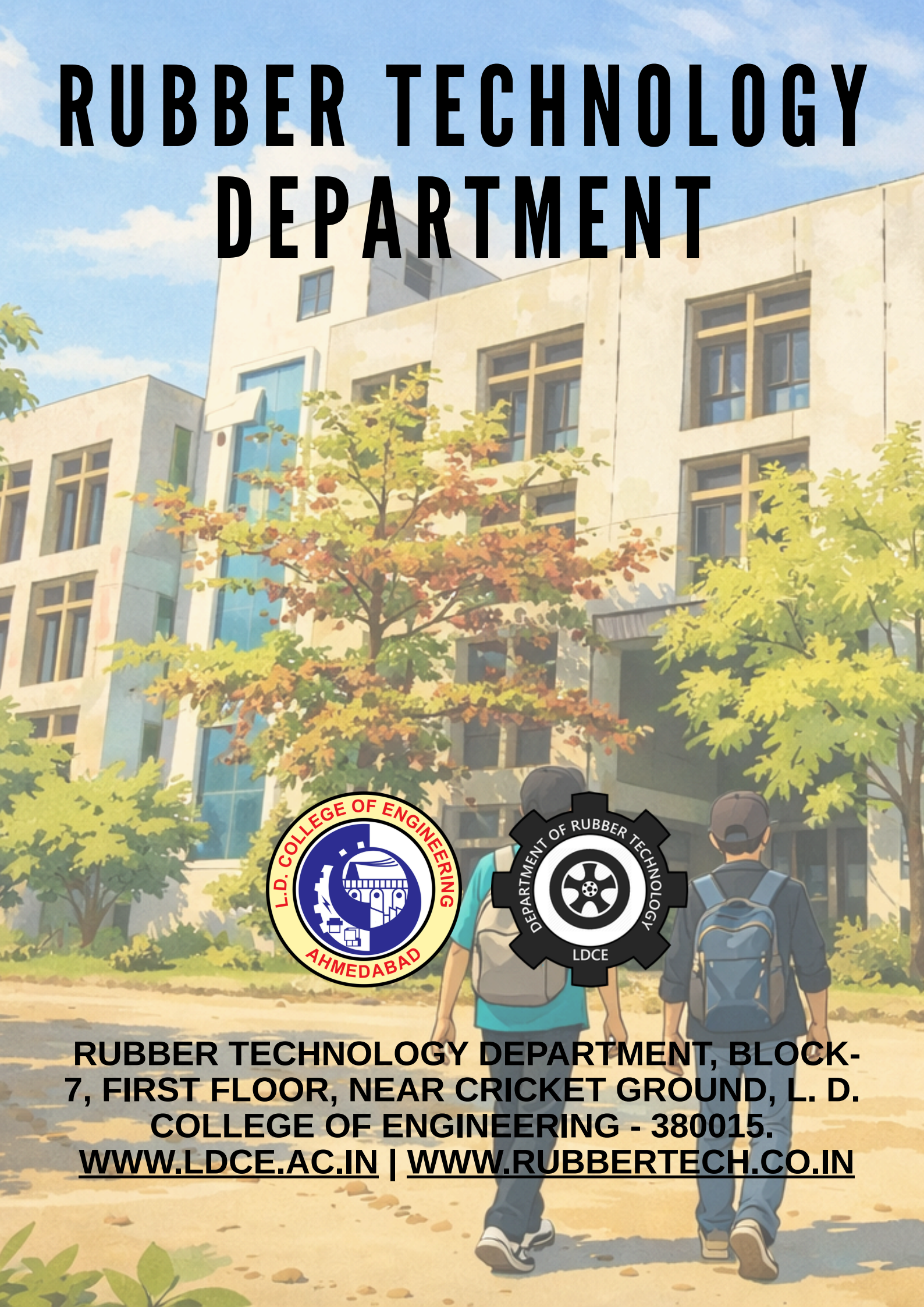
Prof. G. G. Bhatt
Assistant Professor



Prof. R. Y. Modan
Assistant Professor

The newsletter has been thoughtfully designed by Amit Modi. For further insights and details, feel free to Mail nooblitegamer@gamil.com

RUBBER TECHNOLOGY DEPARTMENT



RUBBER TECHNOLOGY DEPARTMENT, BLOCK-7, FIRST FLOOR, NEAR CRICKET GROUND, L. D. COLLEGE OF ENGINEERING - 380015.

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