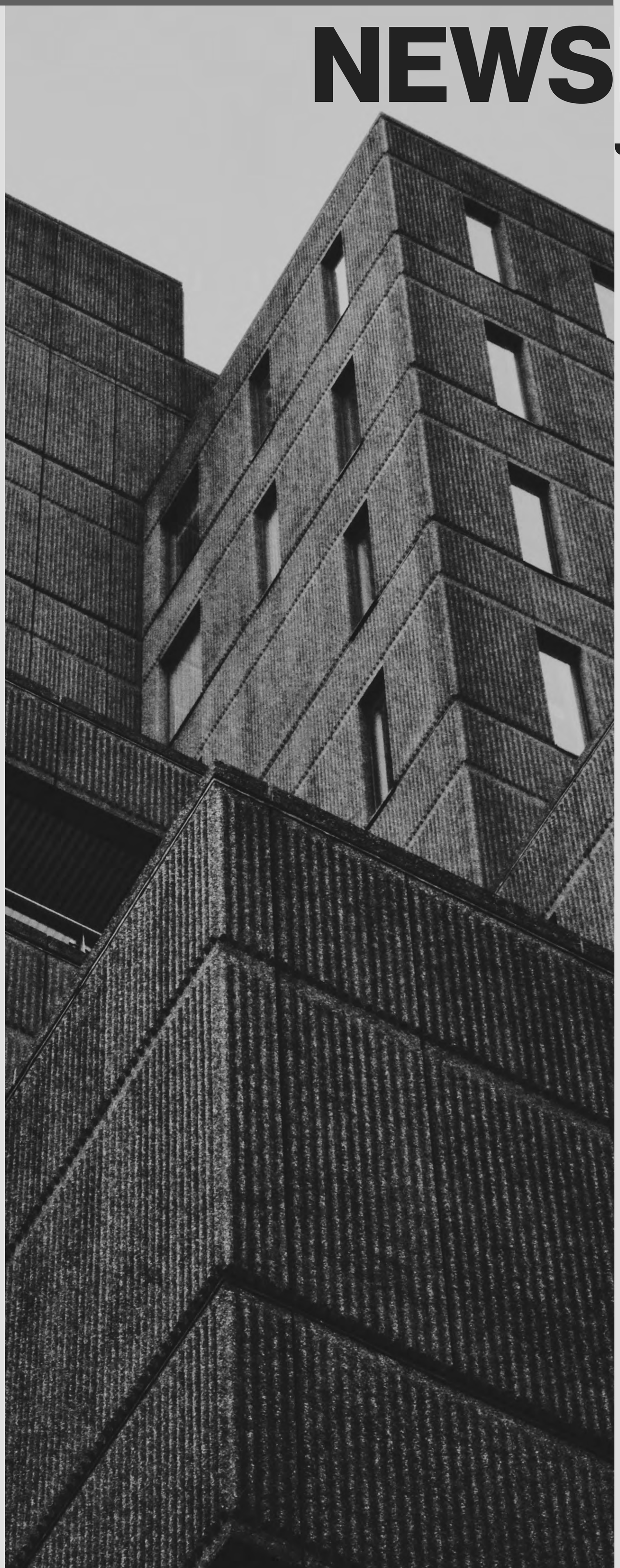
L. D. COLLEGE OF ENGINEERING

RUBBER TECHNOLOGY DEPARTMENT

"RUBBER TECHNOLOGY MAGAZINE"

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NEWSLETTER

January-- June 2026

HIGHLIGHT:

INTRODUCTION **01-04**

ACTIVITIES **05-09**

EXPOSURE & ACHIVEMENTS **10 - 16**

STUDENT ACHIVEMENTS **17 - 18**

SPORTS **18 - 19**

INDUSTRY INTERACTION **20 - 23**

RECRUITERS **23 - 24**

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Sustainable polymers for a moving world.

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.

TABLE OF CONTENT

Page	CONTENT
03	VISION AND MISSION
04	MESSAGE FROM H.O.D.
05	MAJOR EVENTS
07	DEPARTMENTAL ACTIVITIES
09	INDUSTRY INTERACTION
10	PAPERS PRESENTED/PUBLISHED
12	FACULTY ACHIEVEMENTS
14	STUDENTS' ACHIEVEMENTS
17	PROFESSIONAL DEVELOPMENT
18	COMMUNITY ENGAGEMENT AND SPORTS
19	MISCELLANEOUS
23	MAJOR RECRUITERS
24	FACULTIES



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



- ***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.***

-l.d. college of engineering

Message From H.O.D.



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.

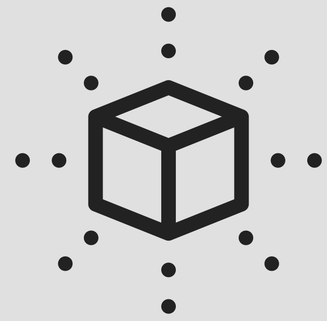
The field of Rubber Technology encompasses diverse areas, from the processing of natural and synthetic rubber to the design of products that meet industry standards. Our curriculum ensures that students gain advanced knowledge in mixing, testing, and processing rubber compounds, as well as product and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





- **Rubber Technology department has arranged hands-on workshop on“Understanding Fluid Flow Behavior through Reynolds Apparatus”, coordinated by Mr. Sandip Patel, Senior engineer, EIE Instruments Pvt. Ltd. on 19th January 2026 and attended by 30 students and faculties.**



- **The Rubber Technology department has arranged a campus placement of IRM Offshore and Marine Engineers Pvt. Ltd., on 5th May 2026, for students of B.E. Sem VIII, Rubber Technology. 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 13th May 2026, for students of B.E. Sem VIII, Rubber Technology. Prof. R.N. Desai has arranged and Prof. Sunil Padhiyar has coordinated the placement.**





- **The Rubber Technology department has organized technical workshop on “Characterization of Rubber by flammability and Impact analysis” on 07th May 2026 for the students of BE Rubber Technology.**

- **The Rubber Technology department has arranged hands-on workshop on “Rubber molding Technology and product testing” for coordinated by Prof. G.G.Bhatt on 25th June 2026**





Departmental Activities

- **The Rubber Technology Department arranged pedagogy with Mr. Atul Shah, MD, Pioneer Industries on "Advanced Rubber Processing Equipment" on 21st February 2026 and attended by faculties.**

- **The Rubber Technology department has arranged the online session on AI Impact Summit for Students of Rubber Technology department organized by DTE, Technical Education, Gandhinagar on 5th March 2026.**

- **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.**

- **The Rubber Technology Department organized the expert session with Assistant Engineer, Lasany International on "Emulsion Rheology and Brookfield Viscometer" on 9/3/2026 and attended by 35 students.**

- **Dr.R.N.Desai has organized a Technical Meet on "Reverse Engineering through modern rubber equipment" for Students of BE Rubber Technology, delivered by Mr. Prakash Patel,MD,Green Vision Industries on 13/03/2026.**

- **The Rubber Technology Department arranged an alumni meet for design and development of laboratory of Rubber Technology Department and attended by all faculties and students on 16th March 2026.**

- **The Rubber Technology department has organized workshop at EIE Instruments Pvt. Ltd. on "Advancement on Equipment Automation Technologies"on 19/03/2026 and attended by faculties and students.**

- **The Rubber Technology Department arranged pedagogy with Mr.Pratik Bagul,Technical engineer, BKT Tyres on" Optimization of Tyres design for Performance & Safety "on 23/03/2026 and attended by faculties.**

- **The Rubber Technology Department arranged an expert session on "Industrial Practices in Rubber Testing and Product Development" delivered by Mr. Ankit Vandra on 10th April 2026 for BE IV & VI Rubber Technology students.**

- **The Rubber Technology Department arranged an expert session on "Industrial Practices in Rubber Testing and Product Development" delivered by Mr. Ankit Vandra on 10th April 2026 for BE IV & VI Rubber Technology students.**

Departmental Activities

- **The Rubber Technology Department arranged pedagogy with Mr. Atul Shah, MD, Pioneer Industries on “Holistic learning approach for Interdisciplinary learning” on 15th April 2026 and attended by faculties.**

- **The Rubber Technology Department arranged an expert session on “Tyre Technology: Materials, Manufacturing & Testing" on 2nd May 2026 for BE VII Rubber Technology. The session delivered by Mr. Maulik Chauhan, Senior engineer, BKT Tyres Ltd.**

- **The Rubber Technology Department has organized a technical meet with Dr. Sunilkumar Jagasia,Ex, Employee, J K Tyres and Dr. Vikram Kumavat from Mohanlal Sukhadia University, Udaipur on “Utilization of recycled rubber in cement mortar applications” on 21st May 2026 and attended by faculties.**

- **The Rubber Technology Department arranged pedagogy with Mr. Nikunj Thakkar, Senior Sales executive, GP Petroleum on “Current scenario of Petrochemicals industries and impact on rubber additives” on 16th June 2026 and attended by faculties**

- **The Rubber Technology department has arranged the awareness session on “Community Service: Learning Beyond the Classroom” for BE IV students of Rubber Technology on 16th June 2026. The session was led by Dr. R. N. Desai and coordinated by faculties.**

- **The Rubber Technology Department arranged a half day seminar on “Professional skill development activities" for B.E. IV & VI Rubber Technology students on 20th June 2026. The session was led by Mr. Ramandeep Bhalla, Sales manager, Ami polymers.**

- **The Rubber Technology department has arranged the Industry and Society Interaction sessions in collaboration with Parth rubber industries on 25th June 2026 for BE IV Rubber Technology students.**

- **The Rubber Technology Department arranged pedagogy with Mr. Darshan Shah MD, Agile Industries on “Recent Trends in Process Safety and Risk Assessment” on 17th June 2026 and attended by faculties.**



Industry Interaction

On 09/02/2026, an industrial visit was organized for B.E. Semester VI students at Indian Expeller Works, Ahmedabad, coordinated by Prof. S.J. Padhiyar and Prof. G.G. Bhatt, with 21 students participating.

On 18/02/2026, an industrial visit was organized for B.E. Semester IV students at Rubber Concept, Gandhinagar, coordinated by Prof. S.J. Padhiyar and Prof. R.Y. Modan, with 25 students participating.

On 12/02/2026, an industrial visit was organized for B.E. Semester VI students at Pioneer Industries, Ahmedabad, coordinated by Prof. S.J. Padhiyar and Prof. B.D. Patel, with 20 students participating.

On 26/02/2026, a technical talk was organized for B.E. Semester VIII students at SFC Solutions, coordinated by Prof. R.N. Desai and Prof. S.J. Padhiyar, with 5 students participating.

On 14/04/2026, an industrial visit was organized for B.E. Semester IV Rubber Technology students at Rubber Concept, Sanad, coordinated by Prof. Rupande Desai, with 10 students participating.

On 20/04/2026, an Industry-Academia Interaction Session was organized online with the HR team of Gujarat Reclaim Products, Ankleshwar and faculty members, coordinated by Prof. Aanal Bhatt, with 10 participants.

On 26/06/2026, an industrial workshop was organized for B.E. Semester IV Rubber Technology students at Parth Rubber Pvt. Ltd., coordinated by Dr. Rupande Desai and Prof. G.G. Bhatt, with 15 students participating.

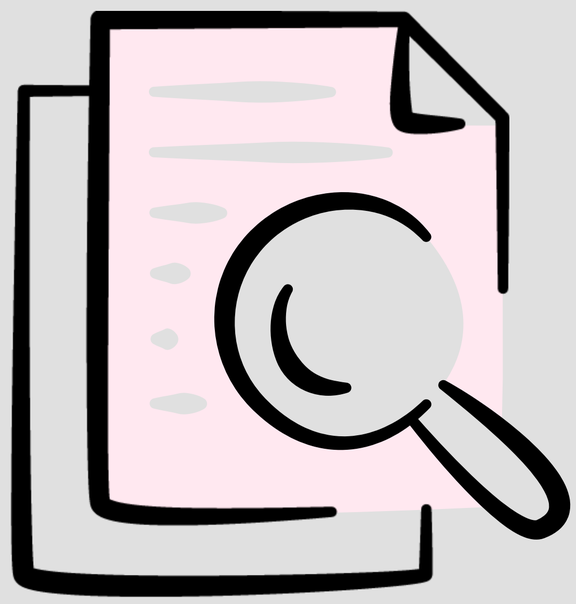
On 29/06/2026, an Industry Awareness Session on "Sustainable Reclamation and Recycling of Waste Rubber Latex Gloves" was organized for industry professionals of IRM Offshore and Marine Engineers Pvt. Ltd. and B.E. Semester IV students at IRM Offshore and Marine Engineers Pvt. Ltd., Shilaj, Ahmedabad, coordinated by Dr. Rupande Desai and Prof. Sunil Padhiyar, with 15 participants.

On 24/05/2026, a technical talk on "Bio-Packaging Materials for Bio-Packathon 2026" was organized for B.E. Semester IV Rubber Technology students at Vision Industries, coordinated by Prof. Bhakti Patel and Prof. G.G. Bhatt, with 10 students participating.

On 18/04/2026, a technical talk was organized for B.E. Semester VIII Rubber Technology students at Jayshree Polymers, coordinated by Prof. R.Y. Modan, with 5 students participating.

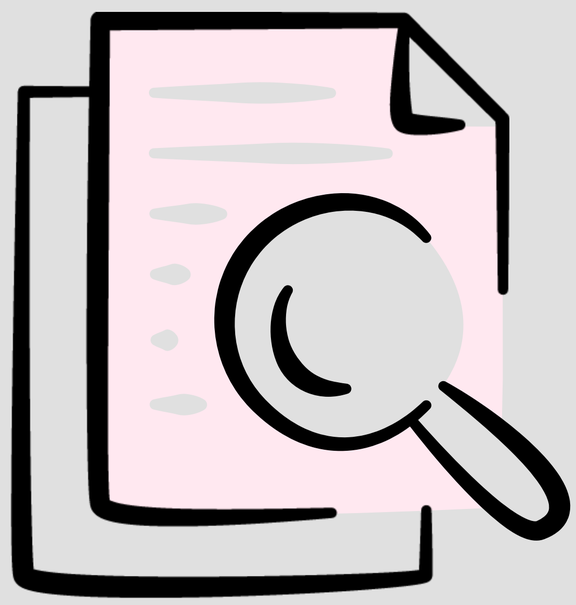
Papers Presented/Published

Dr. Rupande Desai, Prof. Sunil Padhiyar, Prof. Bhakti Patel, and Prof. Purvi Shukla published a review paper titled **"Sustainable Reinforcement of Rubber Compound Using Recycled PET (Polyethylene Terephthalate): A Review"** in *Nature Environment and Pollution Technology*, Volume 25, Issue 01, January 2026 (Article ID: B4342; DOI:10.46488/NEPT.2026.v25i01.B4342).



Papers Presented/Published

Dr. R. N. Desai and Prof. Bhakti Patel published a research paper titled **"Enhancement of Soil Fertility Using Waste Natural Latex Gloves"** in *Discover Soil* (Springer Nature), Volume 3, Article No. 110, 2026. DOI: 10.1007/s44378-026-00272-3.



Faculty Achievements

- **Prof. R. N. Desai and Prof. B. D. Patel guided students on the project **"Rubber Mulch,"** which was selected for the next round of the **Challenge to Change** competition organized by L. D. College of Engineering.**

- **Prof. A. D. Bhatt guided students at the **GRP Hackathon 2026** and received the **3rd Runner-Up Appreciation Award** on 5th January 2026. The team was also awarded a cash prize of **₹50,000** for their achievement.**

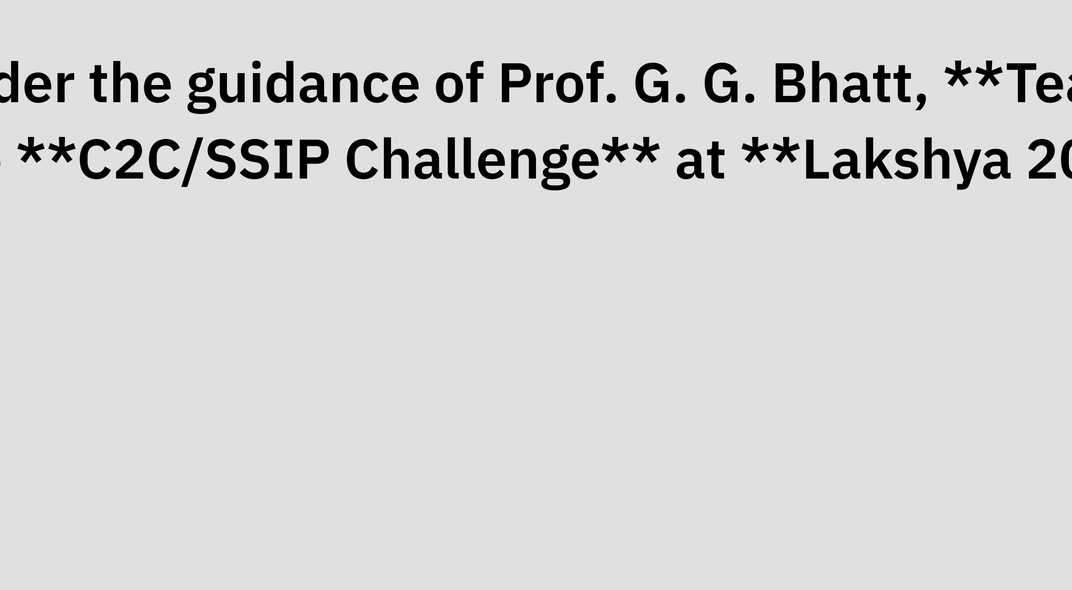
- **Prof. Sunil Padhiyar delivered an expert lecture as part of the awareness program for **DDCET-2026** at L. J. Polytechnic College, Ahmedabad, on 12th March 2026.**

- **Prof. G. G. Bhatt guided students on the SSIP project **"Solar Shield,"** an innovative self-cleaning nano-coating for solar panels. The project received a grant of **₹1.92 lakh** in recognition of its innovative potential.**

- **Prof. G. G. Bhatt published a book chapter in **"Smart Materials and Manufacturing Technologies for Sustainable Development"** in the *Proceedings of SME 2025*.**

- **Prof. Anal D. Bhatt received the Ph.D. notification from Gujarat Technological University (GTU) on 28th April 2026.**

- **Under the guidance of Prof. G. G. Bhatt, **Team Bio Leather** secured the **3rd Prize** in the **C2C/SSIP Challenge** at **Lakshya 2026**, held on 18th–19th April 2026.**





Faculty Achievements

- **Under the guidance of Prof. G. G. Bhatt, **Team Bio Leather** secured the **2nd Prize** in the **Renewable Remakers** competition at **Lakshya 2026**, held on 18th–19th April 2026. The team also received a cash prize of **₹3,000** for their achievement.**

- **Under the guidance of Prof. R. N. Desai and Prof. B. D. Patel, the student team was selected for a poster presentation on **"Rubber Mulch"** at **Lakshya 2026**, held on 18th April 2026.**

- **Under the guidance of Prof. S. J. Padhiyar, the student team secured the **3rd Position** for the project titled **"Eco-friendly Interlocking Rubber Paver Blocks from Waste Tyre Crumb Rubber."**



Students' Achievements

- **Vikas Kori and Sarthak Patil, B.E. VII sem rubber Technology have secured placements at SFC Solutions India (Sealing) Pvt. Ltd., Sanand, with an annual package of ₹3.7 LPA, marking a significant milestone in their professional journey on 26-02-2026.**

- **Viransh Shah , Amit Modi , BE IV, Rubber won the 1st prize in an E-sports tournament held at L.D.C.E. on 31st January and 1st February 2026.**

- **Viransh Shah , Aditya Purohit and Mohitraj Chudasama ,BE IV, Rubber recently secured the SSIP grant of 1.92 lakhs at L.D. C.E. working under the mentorship of Prof. Gnanu Bhatt, they developed "Solar Shield," an innovative self-cleaning nano-coating designed to eliminate dust accumulation on solar panels and save millions of liters of water in the renewable energy sector.**

- **Viransh Shah , Aditya Purohit and Mohitraj Chudasama,BE IV, Rubber participated in the PROJECT APOCALYPSE during VELOCITY event held on 6th & 7th February 2026 by PMI Student Club, showcasing enthusiasm and dedication towards learning and collaboration.**

- **Aditya Purohit and Mohitraj Chudasama,BE IV Rubber have secured 2nd position in the event INCEPTUM'26-Ideathon, organized on 9th - 10th February 2026 by PRAKALPA (LDCE) and also demonstrated an effective analytical and well structured approach to solving the given problem scenarios with commendable technical and problem solving skills.**

- **Arj Gandhi BE IV, Rubber had participated in the quiz MY BHARAT BUDGET QUIZ organized by the Ministry of Youth Affairs and Sports on 14th February 2026.**

- **Om Borse , Tejas Virani , Amit Modi ,Dhruv Prajapati BE IV, Rubber had participated in the quiz MY BHARAT BUDGET QUIZ organized by the Ministry of Youth Affairs and Sports on 20th February 2026**

- **Vatsal Padhiyar,BE IV, Rubber had participated in the quiz Viksit Bharat - G RAM G Quiz 2026 organized by the Ministry of Youth Affairs and Sports on 25th March 2026.**

- **Tejas Virani BE IV, Rubber had participated in the quiz Know more about DFPD - II organized by the Ministry of Youth Affairs and Sports on 11th February 2026.**

- **Dhruv Prajapati participated in the PROJECT TRAITOR and CAREER LADDER during the VELOCITY event held on 6th and 7th February 2026 organized by PMI Student Club LDCE , showcasing enthusiasm and dedication towards learning and collaboration.**

- **Hardik Bariya BE IV, Rubber has displayed competent data literacy and possesses the analytic mindset to describe and inform basic business decisions using the fundamental knowledge of E-commerce on 24th February 2026.**

Students' Achievements

- **Sameer Singh, Machhi Rohan, Priya Umarethiya, Dhruvi Vadadoriya BE VI, Rubber had participated and won 3 rd runner up Appreciation Award at GRP Hackathon 2026 on 5th January 2026 .**

- **The 18 students of B.E. VI, rubber technology participated in Solidworks Training at Indogerman Toolroom IGTR, Ahmedabad , on 16th February 2026 to 28th February 2026.**

- **Machhi Rohan, Dev Prajapati, Dhruvi Vadadoriya, Hardik Sisodariya, Vaibhav Patel, Om Borse, Niraj Pandey, Nirjalsinh Rathod, B.E. IV & VI, Rubber has presented project of Rubber Mulch For Campus Trees at Challenge to Change organized by L.D.C.E. on 22 January 2026.**

- **Machhi Rohan, Dev Prajapati, Dhruvi Vadadoriya BE IV, Rubber students presented project of Eco-Friendly Interlocking Rubber Paver Block From Waste Tire Rubber at Challenge to Change event organized by L.D.C.E.on 22nd January 2026.**

- **Mr. Sahil Prajapati, a B.E.VIII Rubber Technology student has been successfully selected by IRM Offshore and Marine Engineers Pvt. Ltd. through the campus placement process with an annual package of ₹3.36Lakh. on 6th May 2026.**

- **Mr. Devansh Raval, a B.E.VIII Rubber Technology student , has been successfully selected by ABC Rubber Products, Gandhinagar, with an annual package of ₹2.60 lakh on 13th may 2026.**

- **Mr. Rohan Machhi, Ms. Dhruvi Vadadoriya, and Mr. Dev Prajapati, students of B.E. Rubber Technology, Semester V, participated in Challenge to Change – Lakshya 2.0 TechFest 2026, held on 18–19 April 2026, and secured the 3rd position for project titled "Eco-friendly Interlocking Rubber Paver Blocks from Waste Tyre Crumb Rubber."**

- **Mr. Aditya Purohit and Mr. Mohitraj Chudasama of B.E. Rubber Technology secured a 3rd position under "Lakshya 2.0 – TechFest LDCE 2026" for the project under SSIP " Biobased Vegan Leather" at L.D. College of Engineering, Ahmedabad, held on 18th and 19th April 2026.**

- **Mr. Aditya Purohit, Mr. Mohitraj Chudasama, and Mr. Amit Modi of B.E. Rubber Technology successfully completed the 12-week NPTEL Online Certification Course on "Characterization of Polymers, Elastomers and Composites" offered by IIT Kharagpur on 25th April 2026 session**

Students' Achievements

- **Hardik Bariya BE IV, Rubber has displayed competent data literacy and possesses the analytic mindset to describe and inform basic business decisions using the fundamental knowledge of E-commerce on 24th February 2026.**

- **Ms. Maitri and Mr. Arj Gandhi of B.E. Rubber Technology participated in the Online Round of the "TarkShashtra 2k26 – 24 Hours Hackathon" organized under "Lakshya 2.0 – TechFest LDCE 2026" at L.D. College of Engineering, Ahmedabad on 5th April 2026.**

- **Mr. Arj Gandhi of B.E. Rubber Technology successfully participated in the "Viksit Vibrant Village Program 2026 Quiz" organized by the Ministry of Youth Affairs & Sports through the MY Bharat platform on 15th May 2026 and 18th June 2026.**

- **Mr. Om Borse, Mr. Hardik Sisodiya, Mr. Vaibhav Patel, Mr. Niraj Pandey, Mr. Nirjal Sinh, Mr. Rohan Machhi, Ms. Dhruvi Vadadoriya, Mr. Dev Prajapati of B.E. Rubber Technology has presented poster on the project "Rubber Mulch" organized under "Lakshya 2.0 – TechFest LDCE 2026" at L.D. College of Engineering, Ahmedabad, held on 18th and 19th April 2026 under the guidance of Prof. Bhakti Patel.**

- **Mr. Viransh Shah, Mr. Aditya Purohit, and Mr. Mohitraj Chudasama of B.E. Rubber Technology has presented poster on project " Solar Shield" organized under "Lakshya 2.0 – TechFest LDCE 2026" at L.D. College of Engineering, Ahmedabad, held on 18th and 19th April 2026.**

- **Mr. Om Borse of B.E. Rubber Technology actively participated in the "Renewable Remakers" event organized under "Lakshya 2.0 – TechFest LDCE 2026" at L.D. College of Engineering, Ahmedabad on 18th and 19th April 2026.**

- **Mr. Aditya Purohit, Mr. Mohitraj Chudasama, Mr. Viransh Shah, Mr. Vatsal Padhiyar, and Mr. Amit Modi of B.E. Rubber Technology actively participated in Biopackathon 2026, a national-level innovation event focused on sustainable packaging and bio-based material solutions.**

- **Mr. Hardik Bhurabhai Sisodiya of B.E. Rubber Technology attended in the "Changemaker" event organized under "Lakshya 2.0 – TechFest LDCE 2026" at L.D. College of Engineering, Ahmedabad, held on 18th and 19th April 2026**

- **Mr. Sonagra of B.E. Rubber Technology successfully participated in the "National Organ Donation Awareness Quiz" organized by the Ministry of Youth Affairs & Sports through the MY Bharat platform on 25th April 2026 and 20th May 2026.**

- **Mr. Aditya Purohit of B.E. Rubber Technology BE IV attended the seminar on "Market Masters – Stock Market & Global Training" organized under "Lakshya 2.0 – TechFest LDCE 2026" at L.D. College of Engineering, Ahmedabad, held on 18th and 19th April 2026.**

Ms. Priya Umaretiya and Ms. Dhruvi, B.E. Rubber Technology (Semester VI), attended the "Life-Long Mentorship Program" by Dr. Bansari Davda at L.D. College of Engineering on 11th April 2026, focusing on mental health resilience and a growth mindset.

Professional Development

- **Faculty members of the Department of Rubber Technology attended the **India AI Impact Summit 2026**, an online AI workshop organized by the Directorate of Technical Education (DTE), Gandhinagar, on 26th February 2026.**

- **Prof. R. Y. Modan participated in a one-day online webinar on **"Cold Runners & ITM Technology: Sustainability and Resource Efficiency."****

- **Prof. S. J. Padhiyar participated in an online webinar on **"Awareness Session on Enhancing Research through IOP Science Journals"**, held on 19th January 2026.**

- **Prof. Bhakti Patel completed industrial training in **Resin Manufacturing** at Macro Polymers, Moraiya, Sanand, Ahmedabad, from 16th June 2026 to 30th June 2026.**

- **Prof. Sunil Padhiyar completed industrial training in **Rubber Printing Blankets Manufacturing** at Mahalaxmi Rubtech Ltd., Sanand, Ahmedabad, from 2nd July 2026 to 16th July 2026.**

Community Engagement And Sports

- **Gohil Jaimitsinh participated in the Taekwondo event at the All India Inter University Tournament, held from 16th March 2026 to 20th March 2026. The tournament was organized by DAV University, Jalandhar, Punjab, where he represented Gujarat Technological University (GTU).**

- **Prof. R. N. Desai coordinated the Badminton Tournament for female faculty members of L. D. College of Engineering. The tournament was organized by the Women Development Cell (WDC) and held on 7th March 2026.**

- **Dr. R. N. Desai conducted an awareness session on **"Community Service: Learning Beyond the Classroom"** at L. D. College of Engineering, Ahmedabad, on 16th June 2026.**

- **Prof. Sunil Padhiyar conducted an ACPC UG admission awareness session for the academic year 2026–27 at L. D. College of Engineering, Ahmedabad, on 11th April 2026 And 17th May 2026**

- **Prof. Sunil Padhiyar conducted an ACPC UG admission awareness session for the academic year 2026–27 at Government Engineering College, Gandhinagar, on 17th May 2026.**

- **Prof. Sunil Padhiyar conducted an ACPC UG admission awareness session for the academic year 2026–27 at L. D. College of Engineering, Ahmedabad, on 11th April 2026 And 17th May 2026**

- **B.E. IV students delivered community service at various organizations and non-governmental organizations (NGOs), contributing to social welfare through meaningful engagement and service activities.**

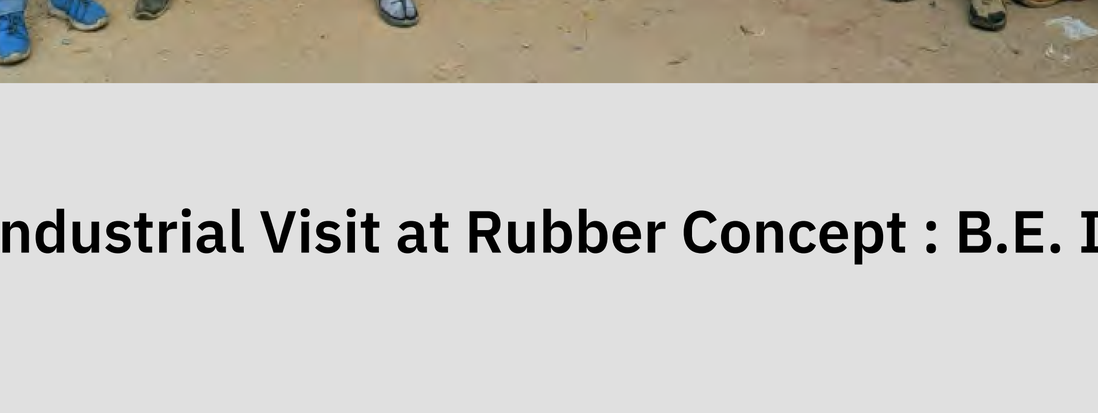
Miscellaneous



Industrial Visit at Rubber Concept : B.E. IV



Industrial Visit at Indian Expeller Ltd.



Winners at GRP Hackathon

LDના રબર ડિપાર્ટમેન્ટના વિદ્યાર્થીઓનો પ્રોજેક્ટ

વૃક્ષોને જમીન સાથે મજબૂતીથી જોડી રાખવા રબર મલ્ચ બનાવ્યું

અમદાવાદ, બુધવાર

વાહનોમાં ઉપયોગ પછી ફેંકાઇ ગયેલા ટાયરો લાંબા સમય સુધી સડતા રહે છે અને પર્યાવરણમાં ઘણું નુકસાન પેદા કરી શકે છે. પરિણામે તેના નિવારણ માટે એલ.ડી.કોલેજ ઓફ એન્જિનિયરિંગના રબર ડિપાર્ટમેન્ટના વિદ્યાર્થીઓ હાર્દિક સિસોદિયા, વૈભવ પટેલ, દેવ પ્રજાપતિ, ઓમ બોર્સે, રોહન માછી, નિરજ પાંડે, ધ્રુવી વાડોદરિયા અને નિર્જલસિંહ રાઠોડે પ્રો.ભક્તિ પટેલ, પ્રો.સુનિલ પઢિયાર અને ડૉ.રૂપાંદે દેસાઈના માર્ગદર્શનમાં પર્યાવરણને ધ્યાનમાં રાખીને વેસ્ટ ટાયરોનો ઉપયોગ કરીને રબર મલ્ચ પ્રોજેક્ટ તૈયાર કર્યો છે, જેમાં વેસ્ટ ટાયરનો ઉપયોગ કરીને તેને વૃક્ષની આસપાસ જમીન પર પાથરી શકાય જે વૃક્ષોને જમીન સાથે વધુ મજબૂત રીતે જોડી રાખે છે.

હાર્દિક સિસોદિયા કહે છે કે, સામાન્ય રીતે, ઉદ્યોગોમાં દર મહિને નાની કંપનીમાંથી લગભગ ૫૦૦ અને મોટી કંપનીમાંથી ૧૦૦૦ જેટલા વેસ્ટ ટાયર નીકળે છે. બધા વેસ્ટ ટાયર પર્યાવરણ હાનિકારક હોતા નથી. રબરની અંદર સલ્ફર, મેગ્નેશિયમ અને અન્ય ઘણા તત્વો હોય છે, જે કેટલાંક અંશે જમીન માટે ઉપયોગી થઈ શકે છે. આ ઉપરાંત, જે ટાયર સંપૂર્ણ રીતે ખરાબ થઈ ગયા તે ઉપયોગી થતા નથી, પરંતુ જેમાં માત્ર ઉપરનો ભાગ ઘસાઈ ગયો હોય તેવા ટાયરોને બીજા ઉપયોગમાં લઈ શકાય છે. તેથી અમે ટાયરની મદદથી મલ્ચ બનાવીને તેને વૃક્ષોની આસપાસ પાથરીને પ્રયોગ કર્યો જે સફળ રહ્યો. આ મલ્ચ સામાન્ય વ્યક્તિ સરળતાથી બનાવીને તેનો ઘરે ઉપયોગ કરી શકે છે.





રબર મલ્ચ શું કરે છે?

જ્યારે વૃક્ષની આસપાસ રબરને નાના ટૂકડામાં કાપીને (રબર મલ્ચ) તેમાં બાઇન્ડર ગ્લુ લગાવવામાં આવે છે, ત્યારે તે જમીન અને વૃક્ષ બંને માટે ફાયદાકારક બને છે. રબર મલ્ચને ગ્લુની મદદથી જમીન પર ફિક્સ કરવામાં આવે છે, જેથી તે લાંબા સમય સુધી ત્યાં જ રહે અને સરળતાથી ખસે નહીં.

રબર મલ્ચની વિશેષતા

- વરસાદી ઋતુમાં જમીન નરમ થઇ જાય ત્યારે રબર મલ્ચ વૃક્ષને સ્થિરતા આપવામાં મદદ કરે છે.
- કોલેજ કેમ્પસ, ગાર્ડન અથવા જાહેર સ્થળે વૃક્ષોની આસપાસ રબર મલ્ચ લગાવવામાં આવે તો વધુ આકર્ષિત બનાવી શકાય છે.

Rubber Mulch project media coverage

Miscellaneous



Lakshya 2.0 Techfest, 18–19 April 2026,2nd Runner-up



Bio Leather, 3rd Prize in C2C/SSIP Challenge, Lakshya 2026



Workshop at Parth Rubber Pvt Ltd, Ahmedabad

Miscellaneous



Workshop at Parth Rubber Pvt Ltd, Ahmedabad

Awareness session, IRM Offshore and Marine Engineers Pvt. Ltd.





Technical Meet with Mohanlal
Sukhadia University, Udaipur

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PRAVIN RUBBER & ENGG. WORKS

WESTERN RUBBERS THE SEALING COMPANY

ALP THE ALP GROUP

Reliance Industries Limited

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ARCHANA RUBBERS PVT. LTD.

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Rubber Concept Complete Solution in Rubber Technology

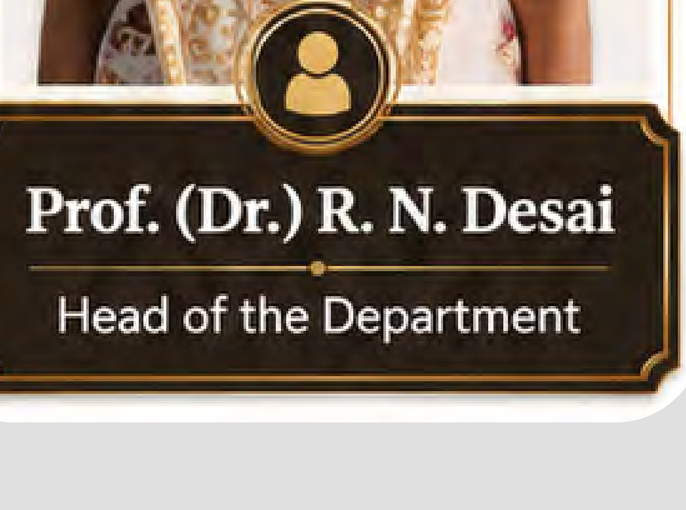
Gold Seal SAARGUMMI

Ami Polymer Pvt. Ltd. "Sealing Expert in Silicone"

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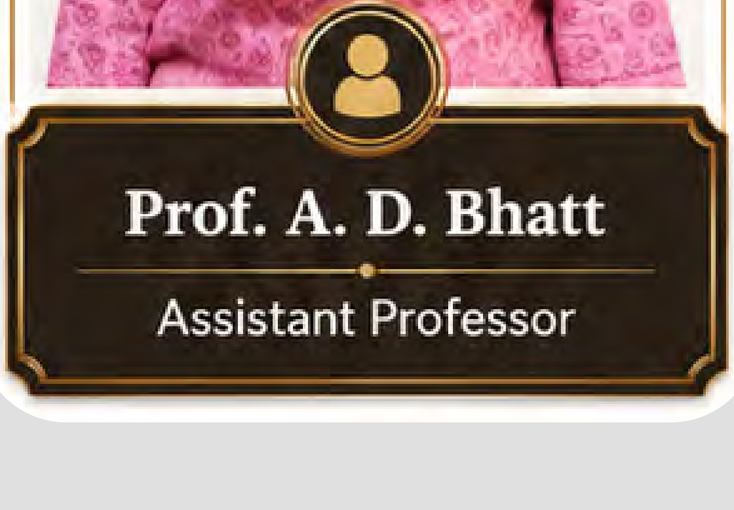
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Faculties



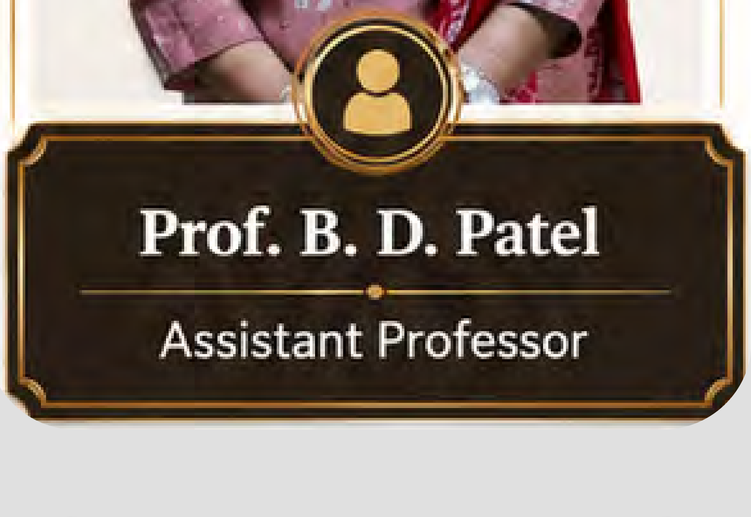
Prof. (Dr.) R. N. Desai

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

Designers



Maulik Chauhan

Linkdin Id : Maulik Chauhan

maulikchauhan1702@gmail.com

CLICK LINK

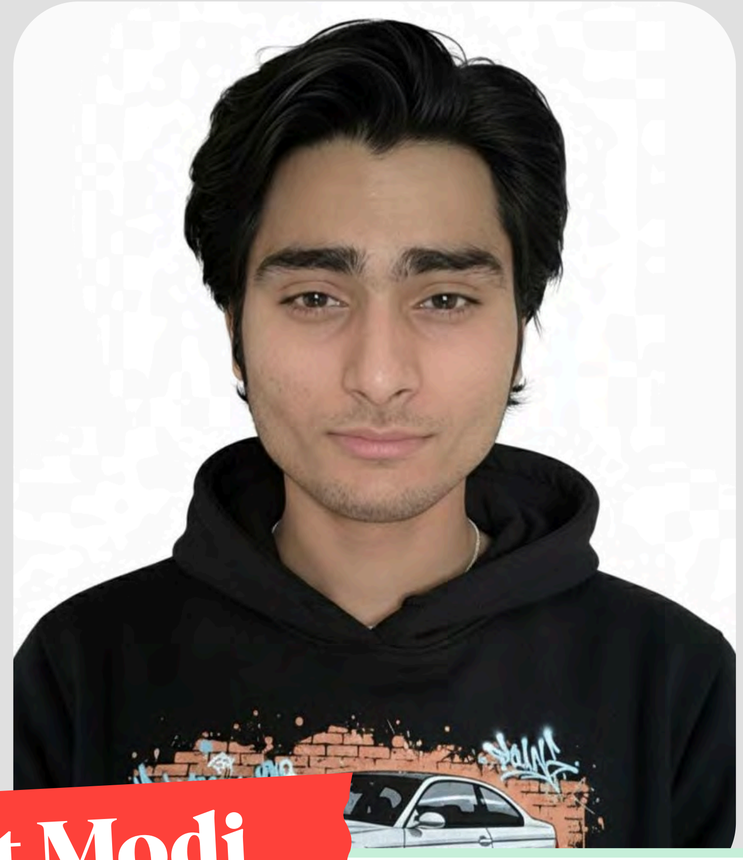


Aditya Purohit

Linkdin Id : ADITYA PUROHIT

adityapurohitupleta@gmail.com

CLICK LINK



Amit Modi

Linkedin ID : Amit Modi

nooblitegamer@gmail.com

CLICK LINK

RUBBER TECHNOLOGY DEPARTMENT



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

WWW.LDCE.AC.IN | WWW.RUBBERTECH.CO.IN