



S.P.B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS

ECOSYSTEM FOR INNOVATION



CONTENTS

Sr. No	Particular	Page
1	IIC-CELL	3
2	E-CELL	8
3	INNOVATION-EXHIBITION	12
4	DEVANG MEHTA IT AWARD	16
5	INNOVATIVE TOOL	17
6	ROBOCON CLUB	19
7	SAE CLUB	21
8	HACKATHON CLUB	25
9	START-UP	28
10	CONSULTANCY	33

1. Institute's Innovation Council (IIC)

Saffrony Institute's Innovation Council (IIC): Igniting Ideas, Incubating Innovations.

The Institution's Innovation Council (IIC) at Saffrony Institute of Technology, is an initiative aligned with the MHRD's Innovation Cell (MIC) to sculpt a culture of innovation within our academic environs. As a selected institution for this prestigious program, we are dedicated to enriching the innovative prowess of our students and faculty.



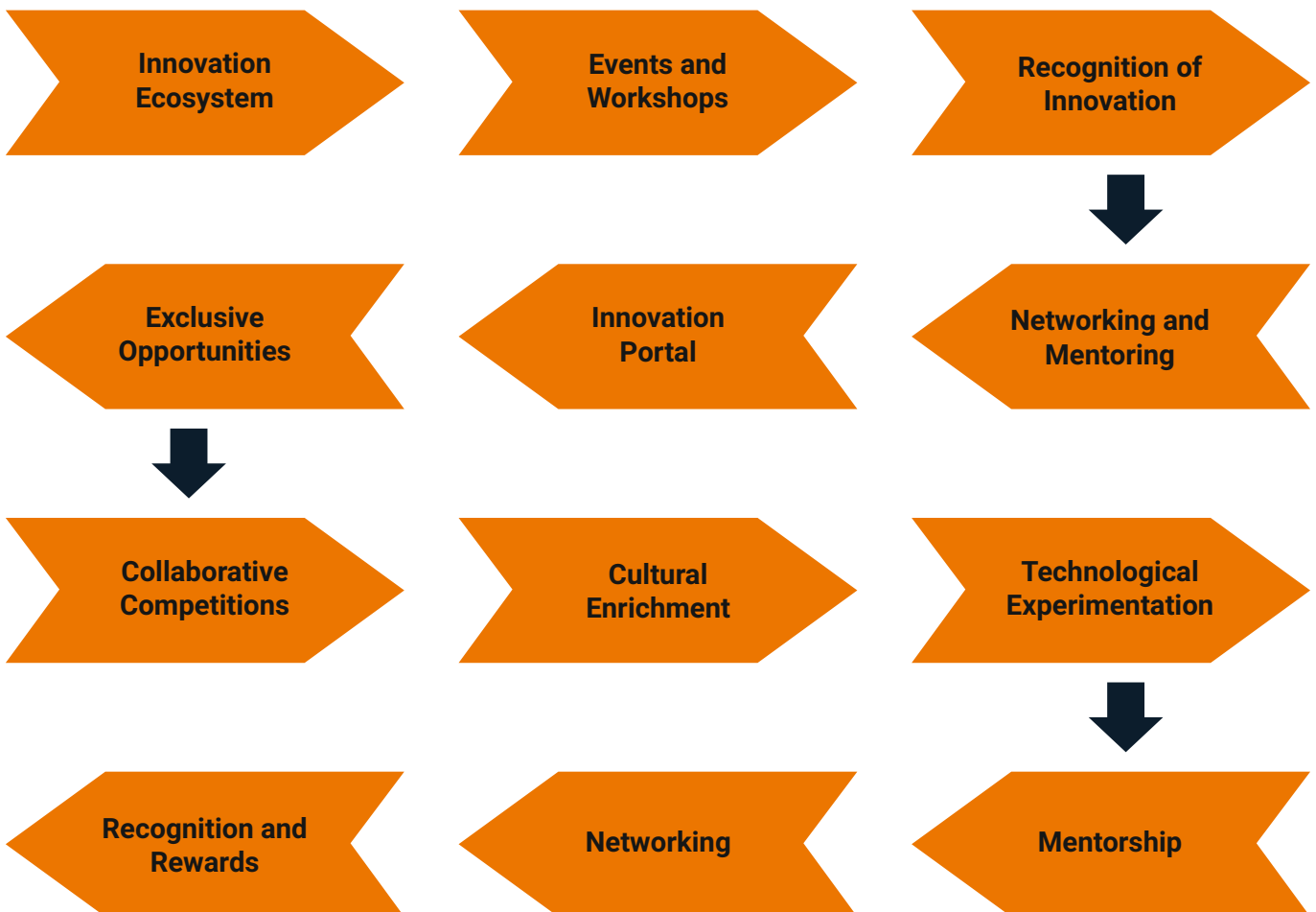
Mission

With the vision of MHRD's MIC, our IIC is committed to fostering, inspiring, and nurturing young minds to convert ideas into impactful prototypes during their academic tenure. The institute aims to establish a vibrant ecosystem that propels innovative thinking, cognitive skill development, and entrepreneurial spirit.

Focus



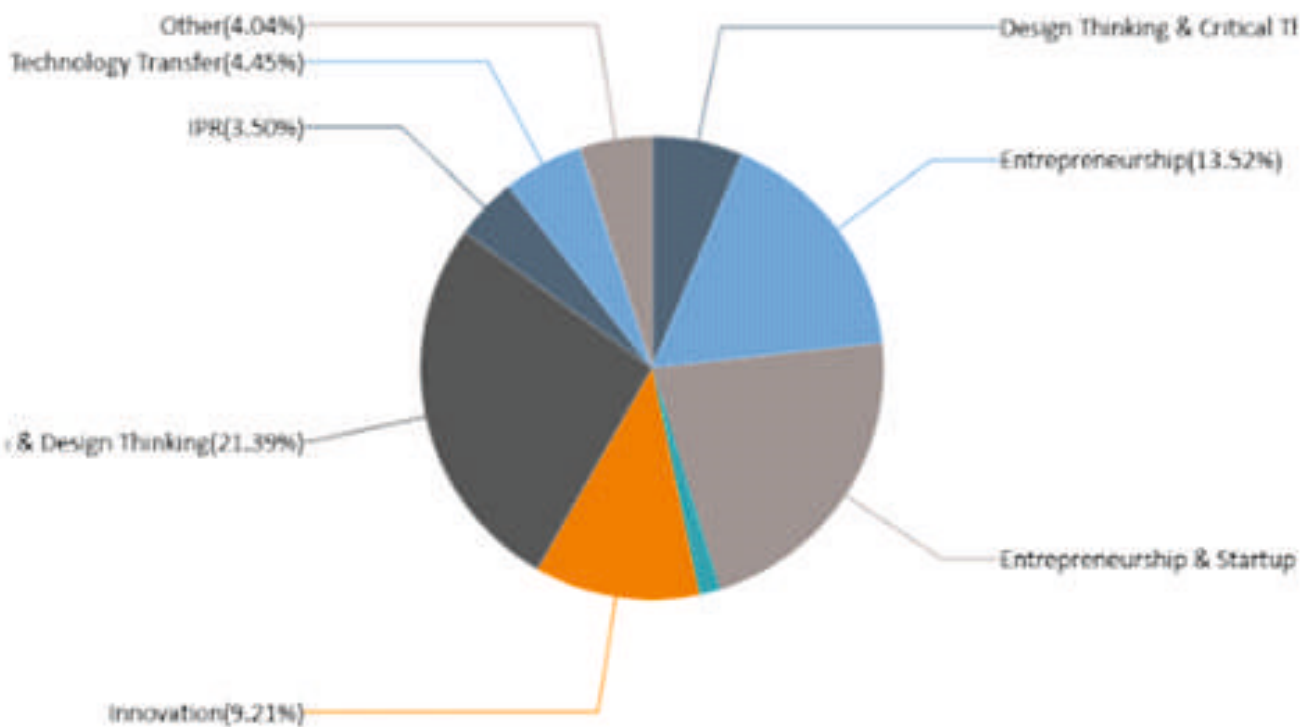
Functions



Join IIC at Saffrony Institute

Embrace the journey from ideation to innovation with the IIC at Saffrony Institute of Technology. Whether you're ideating your first prototype or dreaming of your start-up, the IIC is your incubator for success.

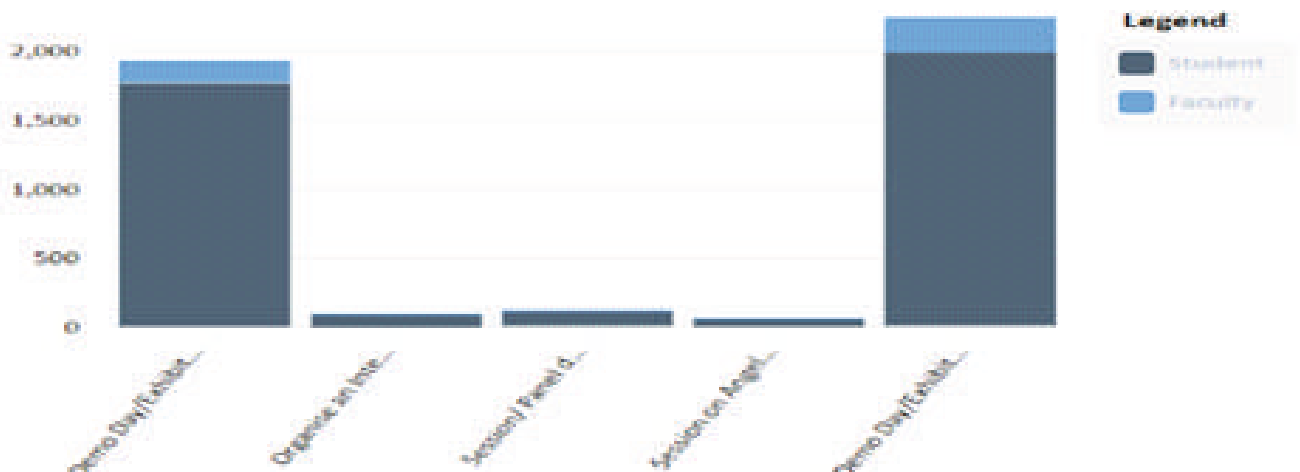
Activity By Theme



Overall Impact

Total Student: 4,220,804

Total Faculty: 449,471





The screenshot displays the website interface for S.P.B. Patel Engg. College (IC-270). The main content area shows the 'IIC Details' for Dr. Gulab Karambhosla. The details include:

- Name:** Dr. Gulab Karambhosla
- Email:** gulab.karambhosla@saffrony.ac.in
- Contact:** 9824110000

There is a yellow 'Edit' button below the contact information. The page also features a navigation menu on the left, a top header with the college name and logo, and a footer with quick links, social media links, and contact information.

THE COUNCIL MEMBERS OF IIC

Sr. no	Name of Member	Member type (Teaching/nonteaching/ student/external expert)	Key role/Position assigned in IIC
1	Prof. Kunal Sinh Kathiya	Teaching	Convenor
2	Prof. Akshay Kansara	Teaching	Innovation activity Coordinator
3	Prof. Avani Dedhia	Teaching	Start-up activity Co-ordinator
4	Prof. Meet Jani	Teaching	Internship Coordinator
5	Prof. Chetan Chauhan	Teaching	IPR Activity Coordinator
6	Prof. Krishna Dave	Teaching	Social Media Coordinator



SAFFRONY INSTITUTE OF TECHNOLOGY S.P.B. PATEL ENGINEERING COLLEGE

The council meeting of Institution's Innovation Council (IIC), S.P.B. Patel Engineering College was called by IIC President Dr. Gulab Bambhaniya on 10th February 2023 to discuss upon the formulation and function of IIC for academic year 2022-2023 & to assign roles and responsibility among newly joined council members as per the guidelines of Ministry of Education's Innovation cell.

As per the decision of competent authority, following members will be the part of IIC;

Sr. No.	Name of Member	Member Type (Teaching/Nonteaching /Student/External Expert)	Key Role/ Position assigned in IIC
1	Prof. Kunalsinh Kathia	Teaching	Convener
2	Prof. Akshay Kansara	Teaching	Innovation Activity Coordinator
3	Prof. Avani Dedhia	Teaching	Start-up Activity Coordinator
4	Prof. Meet Jani	Teaching	Internship Coordinator
5	Prof. Chetan Chauhan	Teaching	IPR Activity Coordinator
6	Prof. Krishana Dave	Teaching	Social Media Coordinator

The council members discussed about the activities (IIC calendar, Celebration and Self-Driven) and features of IIC portal. The council members also discussed about collaborations within and outside the institution to accelerate the activities of IIC. The council also deliberated on quarterly action plan in synchronisation with activities and initiatives of other departments, centres and facilities in the Institute working towards promoting IPR, Innovation, Entrepreneurship and Start up.

The council unanimously decided to carry out all the IIC activities in regular basis throughout the year and meet regularly in beginning of every quarter to review the progress made in previous quarter and also to plan for upcoming quarter. The council has agreed to convene next meeting tentatively on 31st March 2023.

G. G. Bambhaniya

Signature
IIC President

Name- Dr. Gulab Bambhaniya
Place: Linch, Mehsana



Kindly Note:

* Attendance sheet of all the members to be attached in this format;

Sr. No.	Name of Member	Signature
1	Prof. Kunalsinh Kathia	<i>[Signature]</i>
2	Prof. Akshay Kansara	<i>[Signature]</i>
3	Prof. Avani Dedhia	<i>[Signature]</i>
4	Prof. Meet Jani	<i>[Signature]</i>
5	Prof. Chetan Chauhan	<i>[Signature]</i>
6	Prof. Krishana Dave	<i>[Signature]</i>

Near Shanku's Waterpark, Ahmedabad-Mehsana Highway,
At & Post : Linch, Dist. : Mehsana, Gujarat-384 435. Phone / Fax (02762) 285721
www.saffrony.ac.in • E-mail : info@saffrony.ac.in

2. E-CELL

National Conclave on Entrepreneurship, Startup & Innovation

Event Date	: 7th February 2020
Time	: 10 AM – 5 PM
Eligible Students	: Last two years of Graduation and Post Graduate Students
Registration Fee	: 100
Venue	: S.P.B. Patel Engineering College – Saffrony Institute of Technology

Importance of the Conclave

Ideas need a platform; they need financial, social as well as moral support. Further, it is important to have better access to knowledge, capital and the global market. To bridge the gaps, to spread awareness, to motivate & encourage the spirit of entrepreneurship / innovation in Gujarat, S. P. B. Patel Engineering College (Saffrony Institute of Technology Campus), Mehsana organized a Conclave on 'Entrepreneurship, Startup, & Innovation' on February 7, 2020.

The Conclave Included talks by eminent entrepreneurs / innovators who have made a significant contribution to the society through their innovations, products and services. Their talks, sharing of experiences, panel discussions etc. gave immense confidence, clarity on start-up ecosystem and ignite the spark of entrepreneurship in all participants!

Photos

Conclave's Tentative Schedule					
Start Time (24 Hrs)	End Time (24 Hrs)	*Duration (H:MM)	Topic	Speaker	Organisation
9:00	10:00	1:00	Registration & Tea/Coffee		
10:00	10:30	0:30	Inauguration		
10:30	11:15	0:45	<i>Making ideas happen - Journey from idea to reality</i>	Mr. Sunil Parekh	Advisor at Zydus Group (Pharma, Healthcare & Education)
11:15	11:25	0:10	<i>If I can! You can! Series</i>	Mr. Jayantibhai Patel	Chairman & Managing Director, Meghmani Organics Ltd.
11:25	11:55	0:30	<i>Innovate to impact</i>	Mr. Aagam Maniar	Founding Member & VP Finance, LiquiLoans
11:55	12:05	0:10	<i>If I can! You can! Series</i>	Mr. Maheshbhai Patel	President, Ankleshwar Industries Association
12:05	12:35	0:30	<i>You have to believe it, Before you see it</i>	Ms. Pooja Khemka	Co-Founder & CEO, myschoolbus
12:35	12:45	0:10	<i>If I can! You can! Series</i>	Mr. Shankerbhai Patel	Ex. President, The Gujarat Chamber of Commerce & Industry, Ahmedabad.
12:45	13:00	0:15	Q & A Session		
13:00	14:15	1:15	Lunch		
14:15	14:45	0:30	<i>The power of an Idea - From trash to cash</i>	Mr. Sandeep Patel	Founder & CEO, Let's Recycle - NEPRA
14:45	14:55	0:10	<i>If I can! You can! Series</i>	Mr. Shaileshbhai Patwari	Ex. President, The Gujarat Chamber of Commerce & Industry, Ahmedabad.
14:55	15:25	0:30	<i>Guts, Grit and Gumption</i>	Mr. Anand Chordia	Technical Director, Pravin Masalewale (Suhana-The Tastemakers)
15:25	15:55	0:30	<i>A ship in harbor is safe, but that's not what ships are for</i>	Mr. Jaymin Bhuptani	CEO, Uplers
15:55	16:25	0:30	<i>The marathon mindset</i>	Mr. Jesal Mehta	Founder & CEO, Aavenir
16:25	16:40	0:15	Q & A Session		
16:40	16:45	0:05	Vote of thanks & Photo session		
16:45	17:00	0:15	Tea/Coffee		



S.P.B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS

SAFFRONY INSTITUTE OF TECHNOLOGY

Near Shanku's Water Park, Mehsana (Dist.) - 384435
E-mail: info@saffrony.ac.in | Web: www.saffrony.ac.in



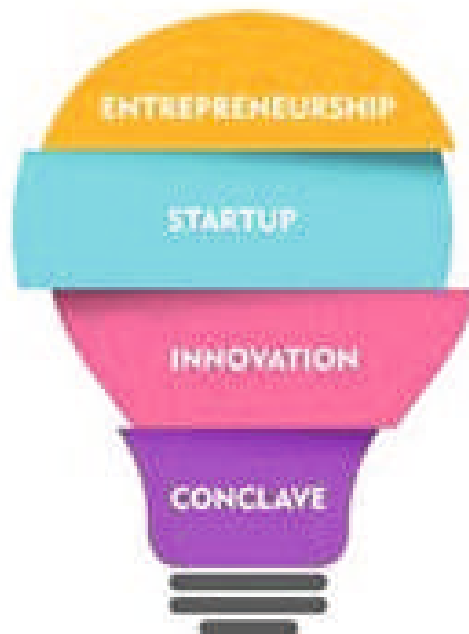
S. P. B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS

Organizes

National Conclave on 'Entrepreneurship, Startup & Innovation'

on

February 7th, 2020



VENUE

S.P.B. PATEL ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS
LINCH, MEHSANA - 384435

Register Now on <https://home.saffrony.ac.in/register/>



S.P.B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS

SAFFRONY INSTITUTE OF TECHNOLOGY

Near Shanku's Water Park, Mehsana (Dist.) - 384435
E-mail: info@saffrony.ac.in | Web: www.saffrony.ac.in



S. P. B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS

National Conclave on 'Entrepreneurship, Startup & Innovation'



February 7th, 2020 10am to 5pm
(Registration starts at 9am)

Near Shanku's Water Park, A'bad-Mehsana Highway, Linch, Mehsana - 384435

7046461000 www.saffrony.ac.in info@saffrony.ac.in

Key Speakers



Mr. Sunil Parekh
Co-Chair FICCI Advisor to
Zyfra Group & Adipark Bharat Group
👉 Making ideas happen
Journey from idea to reality

Mr. Anand Chanda
Technical Director, Proxim Manufacturing
(Sahana-The Transformers)
👉 Guts, Grit and Gumption



Mr. Jeevi Mehta
Founder & CEO, Asevir
👉 The Marathon Mindset

Mr. Jaymin Bhuptani
CEO, Uplava
👉 A ship in harbor is safe,
but that's not what ships are for



Mr. Jayantibhai Patel
Chairman & Managing Director,
Meghmani Organics Ltd.
👉 If I can! You can!

Mr. Sandeep Patel
Founder & CEO, Let's Recycle - NEPA
👉 The power of an idea - From trash to cash



Mr. Shankaribhai Patel
Chairman, The Green Environment
Co-operative Society Ltd., Ahmedabad
👉 If I can! You can!

Mr. Aagam Maniar
Founding Member &
VP Finance, Liquidoom
👉 Innovate to Impact



Mr. Shalishbhai Patwari
Chairman, Navoda Enviro Projects Ltd.
👉 If I can! You can!

Mr. Maheshbhai Patel
Founder, Pregna Group
👉 If I can! You can!



Ms. Pooja Khemkar
Co-Founder & CEO, IncaNOW Pvt. Ltd.
👉 You have to believe it, before you see it

& Many More ...

Eligible Students

Last two years of graduation &
pool graduate students

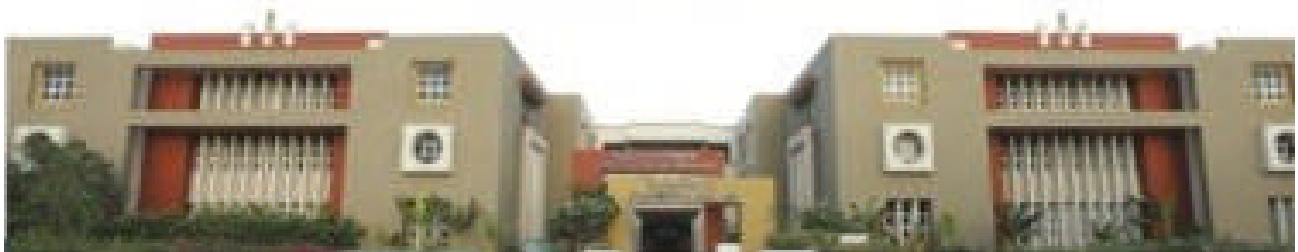
Registration Fee

Industry Professionals
Students* and Professors
*(Refundable)

Rs. 500/-
Rs. 100/-



Register now on <https://home.saffrony.ac.in/register/>



3. INNOVATION-EXHIBITION

CELEBRATION OF CREATIVITY & INNOVATION IN DE AND JOURNALING EXHIBITION - 2023

Date: January 2, 2023

Saffrony Institute of Technology celebrated creativity and innovation through a series of events, showcasing Design Engineering (DE) projects and a Journaling Exhibition. The event aimed to exhibit students' creative and innovative endeavors in solving real-world problems.

Design Engineering (DE) Projects

1. Theme and Objective

The theme focused on Design Thinking, where 2021 Batch 3rd semester students formed teams to address challenges in various domains such as Transportation, Education, Healthcare, Agriculture, etc. The objective was to observe, empathize, define problems, and ideate innovative solutions.

2. Student Participation

Twenty-four teams were formed, each addressing a specific domain, guided by the DE Core Team - Prof. Akshay Kansara, Prof. Avani Dedhia, and Prof. Jignesh Kadia. Students displayed their ideas through canvases, presentations, and prototypes, showcasing their creative solutions.

3. Exhibition Purpose

The exhibition served as a platform to celebrate and encourage students' efforts. It invited the student fraternity and faculty members to appreciate and provide valuable feedback, fostering a culture of innovation.

Journaling Exhibition

1. Journaling Challenge

As part of the ETC curriculum, over 110 3rd-semester students participated in a 65-day Journaling challenge. Dr. Pooja Mehta provided daily prompts, encouraging students to explore their inner world through various modes of expression, such as writing, drawing, sketching, etc.

2. Exploration of Self-Development

The Journaling Challenge went beyond a mere writing exercise, becoming a journey inward for self-development. Students delved into their opinions, views, habits, qualities, and attributes, enhancing their communication skills.

Exhibition Highlights

1. Symbol of Creativity

The exhibition became a symbol of creativity and self-expression, showcasing the wealth of talent and potential within the student body.

2. Faculty Involvement

The faculty members actively engaged with the projects, providing valuable insights and ideas to further enhance the students' work.

3. Encouragement and Appreciation

Students received appreciation for their creative DE projects and well-expressed journals, fostering a positive and encouraging atmosphere.

Conclusion:

The Celebration of Creativity & Innovation in DE and Journaling Exhibition on January 2, 2023, demonstrated the remarkable talent and potential of Saffrony Institute of Technology's students. The event not only showcased innovative solutions to real-world problems through DE projects but also highlighted the introspective journey of students in the Journaling Exhibition, contributing to their holistic development.

Photographs





TEAMS WITH THE HIGHEST AUDIENCE RATINGS



3 JANUARY 2023



S. P. B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY

GLIMPSE OF DE EXHIBITION



2 JANUARY 2023



S. P. B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY



GLIMPSE OF JOURNAL EXHIBITION

2 JANUARY 2023

S. P. B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY

BRANCH WISE BEST TEAMS BY JUDGES

COMPUTER

COMPUTER

MECHANICAL

IT

CIVIL

3 JANUARY 2023

S. P. B. PATEL
ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY

4. DEVANG MEHTA IT AWARDS

In memory of Late Mr. Dewang Mehta, The Dewang Mehta Foundation has taken various initiatives to acknowledge the students in the IT sector. The Dewang Mehta Excellence Award is one such initiative where students with excellent academic performance are recognized. For past 7 years DMFT has felicitated students from Gujarat, Assam, West Bengal, Kerala, Indore, Ratanagiri, Kolhapur, etc.

To recognize the achievement, success and celebrate it, DMFT rather than experimenting with conventional methods of inviting nominations and to restrict the event just as another award ceremony, decided to turn the brief around and do a "first of its kind" event – and test the concept that was not tried before.

The award ceremony is clubbed with Devang Mehta memorial lecture and felicitation of top ranked students from the Engineering colleges.

We are proud that our students received prestigious Devang Mehta IT awards in the year 2022 under the mentorship of Prof. Akshay Kansara.



Congratulations

Hemang Sukhadiya, Rahul Chavda, Devki Hansalia, Nir Shah
Prof. Akshay Kansara (**Mentor**)



**For making it in Top 10 out of the teams
participated from across Gujarat**

Dewang Mehta IT Awards 2022

**An Effective Sign Language Translator Using
Deep Learning & Image Processing**


www.saffrony.ac.in

5. INNOVATIVE TOOL - Introduction to Arduino Board

Saffrony Institute of Technology organized an Expert session on "Introduction to Arduino Board" and workshop on "Arduino". In which they had delivered a lecture on Introduction to Arduino Board. Nowadays, the Arduino board is the most important electronics board for various ongoing projects. It is the main unit in a project is to control the various operations. It becomes the bridge between software and hardware. It will be used in almost all the fields like Embedded, Robotics, Medical, and various Communication projects.

For this session, the department had invited Prof. Rikin Nayak and Prof. Jagrat Mehta, Assistant professors of EC Department at C.I.Patel Institute of Technology, Changa. They are also research scholars of ISRO funded project & owners of Santech Infotech, Anand.

All the sessions were interactive and students learned a lot. Got too much positive feedback for this session as well as the workshop. Students have learned programming language used for Arduino board and also learned the use of Arduino board for interfacing the controller to various applications hardware board. It controls all the operations through the programming language.





6. ROBOCON CLUB

Robocon, short form for Robotic Contest, is an interesting game-cum-intellectual exercise for budding engineers and their enthusiastic instructors, determined to innovate and create machines for producing desired results held at National and International Levels.

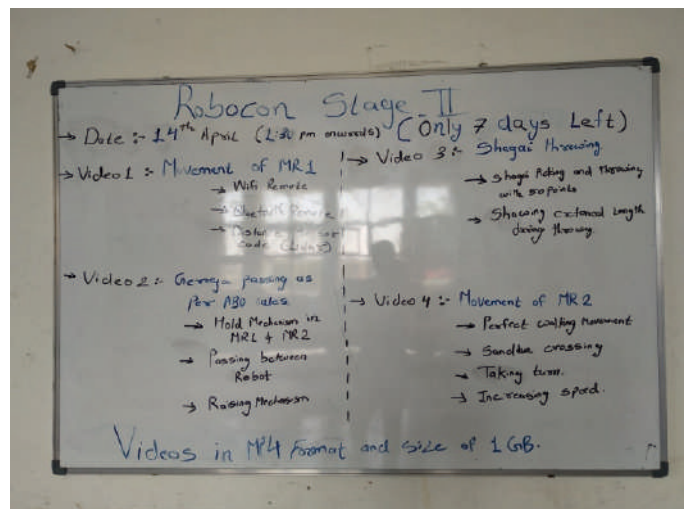
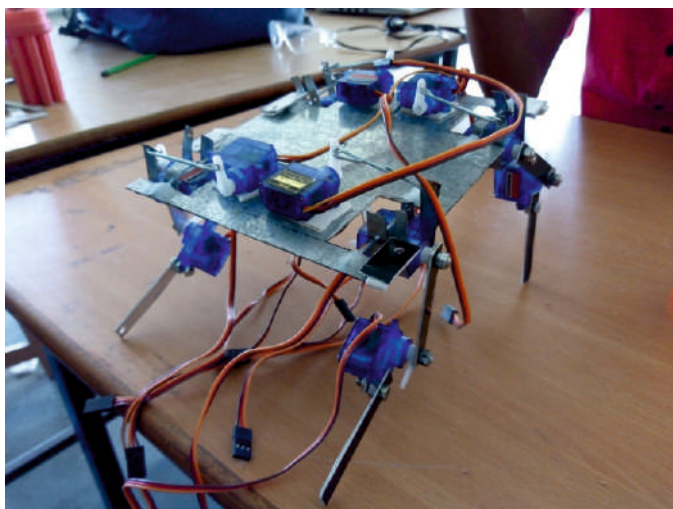
Participation in this activity is an end-to-end competitive experience from concept design of a system of robots programmed to perform according to rules of the game played on a high precision technical Contest Area and to score a victory beating the competitors; all this according to a theme declared by the Host Body.

In our institute, students are motivated and nurtured throughout the year under Robocon Club to get prepared to participate in such respected events. Team Pioneer of Saffrony has represented Saffrony at such Robotic Events.

Saffrony Institute of Technology is very proud to announce the achievement of students of the ROBOCON-2k19 Championship.

On 28th February, 2019 our student team 'ROBO Elements' successfully made a way in DD ROBOCON 2k19' by getting the 1st Rank among 84 teams all over India for stage-1 of ROBOCON-2k19.





7. SAE Saffrony Collegiate Club

SAEINDIA Saffrony Collegiate Club is the college club under SAEINDIA National Level organization and is one of the largest clubs of its kind with 50+ members from Mechanical and Automobile engineering departments of our college.

The student members of SAEINDIA can avail the benefits of SAEINDIA as well as take part in a lot of SAEINDIA activities like SAEINDIA Baja, SAEINDIA Effi-cycle, SAEINDIA Supra and a lot more.

The club organizes various seminars (competition orientation programs), workshops (Engine Assembly and Dis-assembly, Automotive Mechanics and IC Engines), industrial visits (BRTS Workshop, ST Workshop) which are related to automotive field and they enhance the concepts of sound engineering.





Report on BAJA 2019

Date: 10th March 2019
Duration: 7:00 am to 6:00 pm
Venue: IIT Ropar, Punjab
No. of Participants: 25 Students of Degree Mechanical

Introduction

With immense pride and joy, it is hereby conveyed that 'TeamEffort,' Saffrony's BAJA Team, secured the notable 12th position among 83 participating teams nationally and the prestigious 1st position in Gujarat at the 2019 SAEINDIA BAJA competition. The competition, held at IIT Ropar, witnessed the exceptional engineering skills and dedication of the team.

Inaugural Success

The journey of triumph commenced with the selection of Saffrony's ATV for the Inauguration ceremony. This selection underscored the meticulous design and engineering prowess of the team, and the ceremony, graced by distinguished personalities such as Dr. K.C. Vora, Sr. Deputy Director & Head ARAI, Dr. M.P. Poonia, Vice Chairman of AICTE, and Mr. Bipin Lokhande, Country Marketing Manager, saw the acknowledgment of 'TeamEffort' and their innovative approach.

Acknowledgments

Heartfelt congratulations are extended to the entire team of students, faculty advisors, and all members of the faculty who played a pivotal role in nurturing and guiding 'TeamEffort' throughout the competition. The collective effort and commitment have undoubtedly elevated the reputation of Saffrony and set a high standard for future endeavors.

Looking Ahead

As the success of the 2019 SAEINDIA BAJA is celebrated, anticipation builds for the next year's challenge. The experience gained from this competition will undoubtedly serve as a foundation for future triumphs. With confidence, it is expressed that 'TeamEffort' will not only meet but surpass expectations in the upcoming challenges, excelling in Technical Evaluations, Presentations, and Manufacturing.

A Glimpse into BAJA's Rich History

Origins

The history of BAJA SAEINDIA is deeply rooted in the automotive ambitions of engineering students. It can be traced back to the participation of Delhi College of Engineering students in the Mini Baja in 2002. Subsequently, the legacy was continued by institutions like VIT, SVNIT, and RV College of Engineering, participating in subsequent editions of the international event.

Foundation and Growth

The enthusiasm of undergraduate students in offroad vehicles was acknowledged, leading to the launch of BAJA SAEINDIA in 2007 by the Society of Automotive Engineers in India (SAEINDIA). The initiative, led by Dr. KC Vora with Dr. Pawan Goenka as the Chairman of the steering committee, received support from ARAI and NATRIP through an earmarked zone at NATRAX, situated at Pithampur, Indore.

The inaugural event, despite modest participation, marked the beginning of a wave that inspired engineers to plan, execute, and showcase their capabilities. This initiative contributed significantly to the growth of the Indian automotive industry.

Evolution and Milestones

Subsequent editions of BAJA SAEINDIA witnessed substantial growth in participation, with the number of teams increasing manifold over the years, from 140 colleges in 2008-2009 to an impressive 400 in 2017. Another significant milestone was the introduction of eBAJA in 2015, an electric version inspired by Dr. A.P.J. Abdul Kalam's vision. The primary objective of eBAJA is to promote electrical mobility and prepare young engineers for the future of the automobile industry.

In conclusion, the journey of BAJA SAEINDIA exemplifies not only a competition but a platform that has played a pivotal role in shaping the skills and ambitions of young engineering minds, contributing significantly to the automotive landscape in India.

8. Hackathon Club

Hackathon Club is a group of our young Computer/IT Engineers engrossed in creative problem solving for hours together through collaborative computer programming.

The students of Saffrony Institute of Technology have not only participated in the WORLD'S BIGGEST HACKATHON organized by AICTE; but also were shortlisted among 15000 entries nationwide.

Enhancing their bundle of knowledge they are all set to use their skills for solving various real life problems.



Congratulations

Team Hexasquad

Hemang Sukhadiya, Rahul Chavda, Devki Hansalia, Nir Shah, Chhaya Timbadiya,
Aaysha Mansuri & **Prof. Hima Soni (Mentor)**



For jointly winning Smart India Hackathon 2022
with L.D. Engineering College, Ahmadabad in
Grand Finale at IIT-BHU

**AI Based Chatbot to Answer FAQs using Advanced
Natural Language Processing Techniques**



www.saffrony.ac.in



Congratulations

Team MindHawks
Niraj Lalwani, Smit Vidja,
Kewal Shah, Anuj Shukla,
Siddhi Marvaniya
Prof. Hima Soni (Mentor)

For making it in
**Top 5 out of 90+ Teams from
All Over INDIA**

**National Security Guard
Digi Rakshak
Hackathon - 2022**

Drone-based surveillance system
for counter hijack operations
using AI techniques



www.saffrony.ac.in





9. START-UPS

Several startups founded by students of the institute have achieved notable success both during their academic tenure and thereafter.

Some are listed as:

1. PRIME UAV _DRONE SOLUTION (BY PRADIP PATEL)



PRADIP PATEL

Founder & CEO

- +91 97220 63653
- pradip@primeuav.com
primeuav@hotmail.com
- www.primuav.com
- SF-1, Khodiyar Arcade, GIDC-1,
Mehsana-384002(Gujarat-INDIA)
- 607, Athena Avenue,
Nr. Eulogia Hotel, Gota, Ahmedabad



2. S+ LED (BY PRADIP CHAUDHARY)

Dilip Chaudhary

+91 95585 17664
dilip@splusled.com
www.splusled.com

1009/1010, Shreeji Signature
Opp. Aashka Hospital, Sargasan,
Gandhinagar - 382421, Guj-India



3. COMPUTER SALES AND SERVICES

Looking for Computer Sales & Service?

Receive Instant Service from Our Centre...!

COMPUTER SALES & ACCESSORIES
SERVICE

Call: 9067020210

4. SHIP N REST

SHIP N' REST

YOUR GOODS PARTNER

WE PROVIDE

Intra city Transport Services for All types of Goods.

WE PROMISE

Packing & Unpacking for Home and Office Shifting

WE PROMISE

Best Service, On time Delivery at Affordable Rates

IN JUST 3 STEPS

JUST ORDER!

Just order & we are ready with rates in no time!

ON THE WAY

Our team will arrive at your time, your place.

YOU JUST RELAX!

All you have to do is to Relax, we will do the rest.

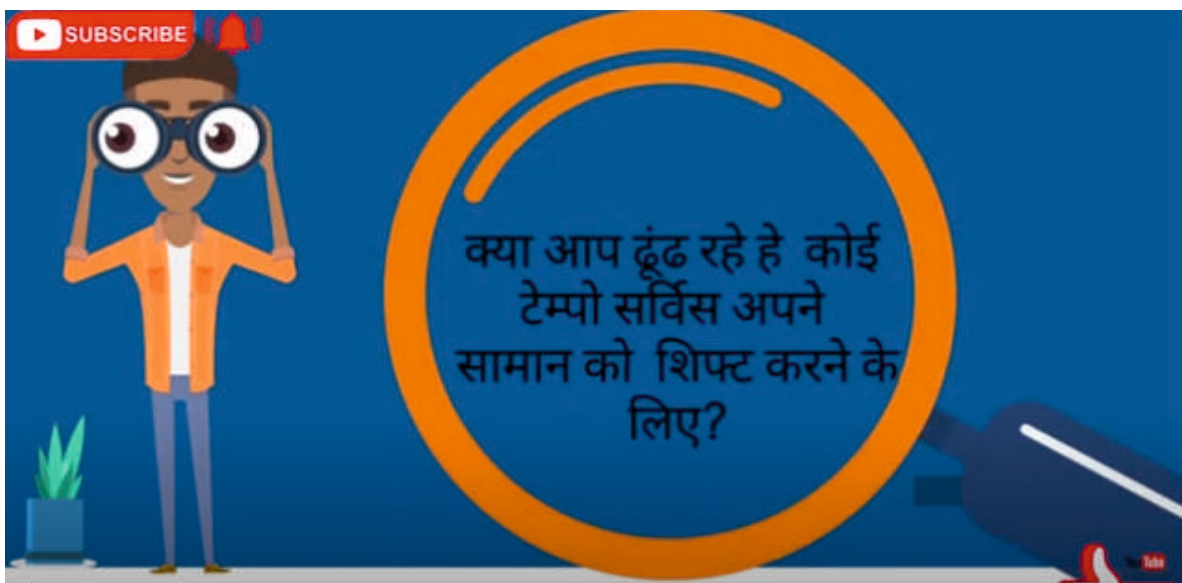
<p>Head office</p> <p>Amba Business park, Behind Trimandir, Gandhinagar - 382421</p>	<p>M. 9104582785</p> <p>M. 9104572785</p> <p>shipnrest@gmail.com</p> <p>www.shipnrest.in</p>	<p>Branch office</p> <p>12, Samip Complex, Nr. TVS Showroom, Bhuj - 370001</p>
---	--	---

Ahmedabad | Gandhinagar | Kadi | Kalol | Bhuj | Mehsana

Link to one of their promotion video: <https://www.youtube.com/watch?v=3MoeDn2B7zQ>



Some of the Glances of the Application are:





Some of the Glances of the Application are:



10. CONSULTANCY

NAME OF PROJECT:	'AUTOMATION OF INDUSTRIAL MECHANICAL POWER PRESS'
NAME OF INDUSTRY:	TRIPCON ENGINEERING PVT. LTD.
NAME OF FACULTY GUIDE:	PROF CHITRALEKHA NAHAR
STUDENT TEAM:	1. SIDDHARTH RAMI, 2. YASH GAJAR, 3. KRUNAL PATEL 4. APURVA SHETH

OUTCOME OF PROJECT

- Saffrony Institute of Technology, in collaboration with Tripcon Engineering India Private Ltd, Anand, embarked on a groundbreaking industrial project. Led by the expert guidance of Prof. Chitralekha Nahar, students from diverse branches pooled their skills to transform a mechanical hydraulic press into an automatic one.

- The project yielded extraordinary results:*

Not only was the conversion achieved at a staggering 50% less cost, but the productivity of the press also skyrocketed.

Previously, the manual hydraulic press churned out an average of approximately 250 workpieces per hour, but post-automation, this figure surged to an impressive 869 workpieces per hour. This translates to a whopping 3.47 times increase in speed compared to a human operator. Such a remarkable outcome exemplifies the fruitful collaboration between industry and academia, setting a high standard for future endeavors in this domain.

- The knowledge transfer in terms of training the Technical Team of Tripcon for operating & maintaining the machine, handing over of final CAD Design, Arduino Code, and Operating & Technical Guidance Manuals has been done successfully

CERTIFICATE OF APPRECIATION



Certificate of Achievement

Date: 28/08/2021

The project 'Automation of Industrial Mechanical Power Press' is successfully completed by the students of S.P.B. Patel Engineering College (Saffrony Institute of Technology, Mehsana) under their faculty's guidance, as desired and approved by Tripcon Engineering Pvt. Ltd. As of this date, the test runs have been conducted and we have been able to achieve a 247% increase in production and 50% reduction in labor with the help of this project, which is very commendable. The knowledge transfer in terms of training the Technical Team of Tripcon for operating & maintaining the machine, handing over of final CAD Design, Arduino Code, and Operating & Technical Guidance Manuals has been done successfully.

We would like to congratulate the students **Siddharth Rami, Yash Gajjar, Krunal Patel and Apurva Sheth** who have accomplished this project under the guidance of Prof. Chitrlekha Nahar of Saffrony Institute of Technology, Mehsana, and Tripcon's Technical Team. Also, we appreciate the efforts of the Management of the Saffrony Institute of Technology in taking such an initiative.



Krunal Patel
Production Head



**S.P.B. PATEL
ENGINEERING COLLEGE**

SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS

SAFFRONY INSTITUTE OF TECHNOLOGY

Near Shanku's Water Park, Ahmedabad – Mehsana Highway, Linch, Gujarat 384435

Phone : (02762) 285721

E-mail: info@saffrony.ac.in

Website: www.saffrony.ac.in