

## AERODESIGN CLUB

Aero Modeling is the branch of technology that deals with the design, construction, operation, manufacturing and application of aircrafts. Mechanical Department has established the club on February 2015. Aero-Design Club will also try to provide the platform to students so that they can participate in Tech-Fests of various different organizations.

### Photographs:





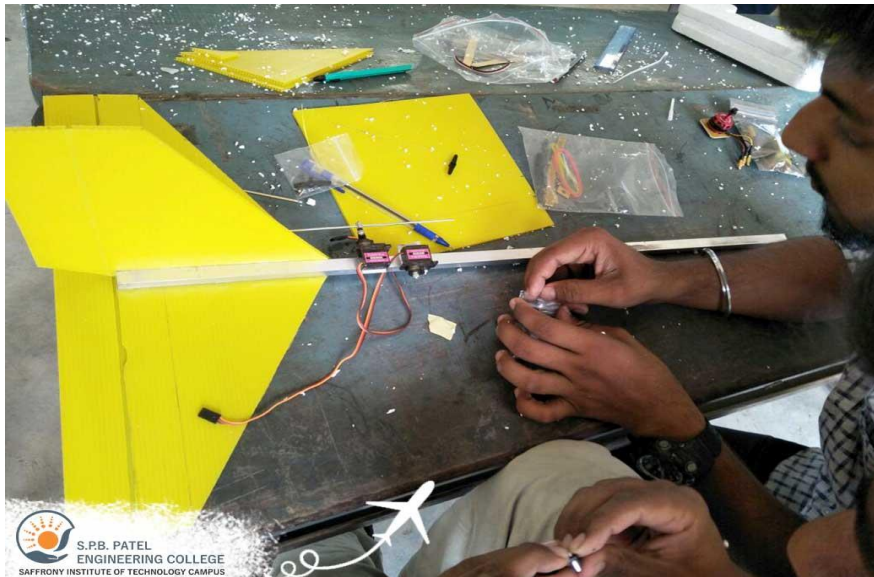
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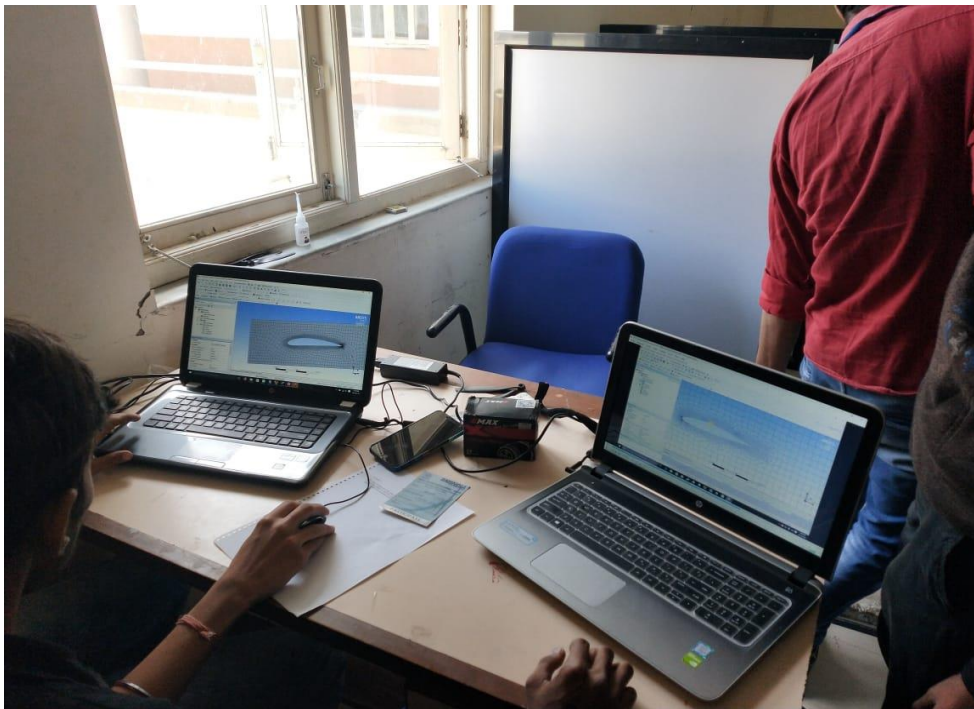


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## Hackathon Club

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.

### Photographs:



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 SMART INDIA  
HACKATHON  
2022



## *Congratulations*

**Team Hexasquad**  
Hemang Sukhadiya, Rahul Chavda, Devki Hansalia, Nir Shah, Chhaya Timbadiya,  
Aayesha 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](http://www.saffrony.ac.in)



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## *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**



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## **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.

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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.

### Photographs:





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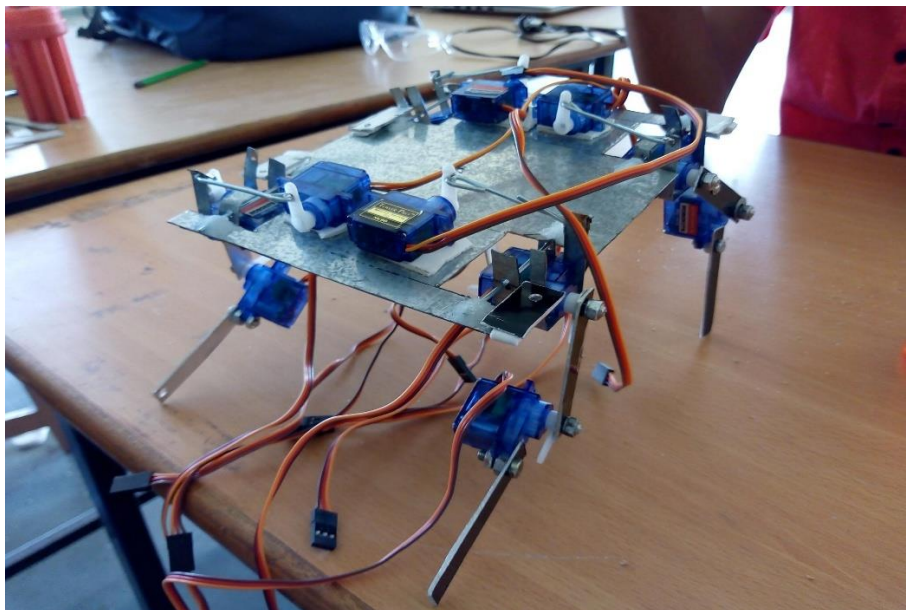
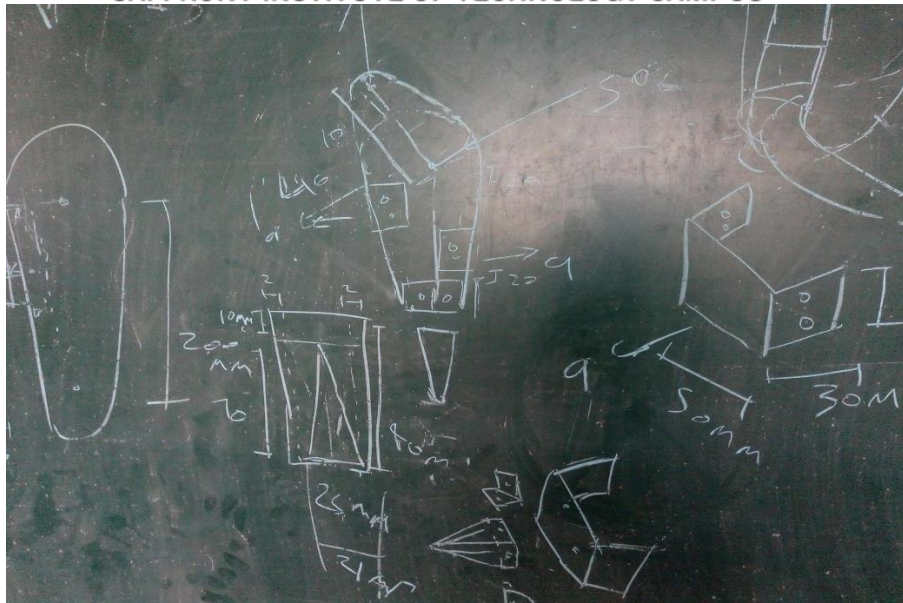
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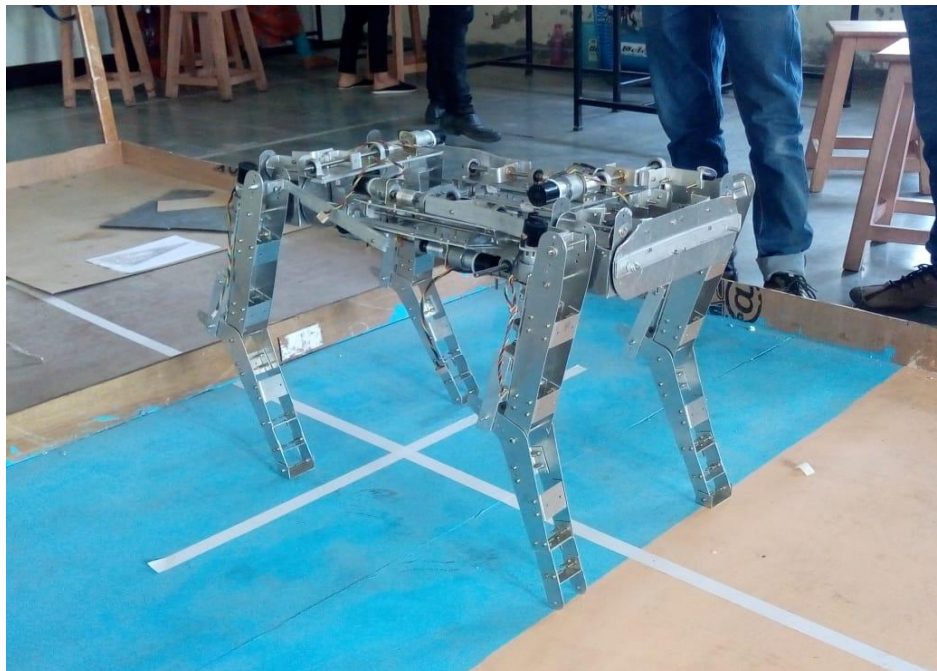
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**Robocon Stage II**  
(Only 7 days Left)

→ Date :- 14<sup>th</sup> April (1:30 pm onwards)

<p>→ Video 1 :- Movement of MR1</p> <ul style="list-style-type: none"><li>→ WiFi Remote</li><li>→ Bluetooth Remote</li><li>→ Distance Sensor Code (Lidar)</li></ul> <p>→ Video 2 :- Georgia passing as per ABU rules.</p> <ul style="list-style-type: none"><li>→ Hold Mechanism in MR1 &amp; MR2</li><li>→ Passing between Robot</li><li>→ Raising Mechanism</li></ul>	<p>→ Video 3 :- Shagai Throwing</p> <ul style="list-style-type: none"><li>→ Shagai Picking and Throwing with 50 points</li><li>→ Showing extended length during throwing.</li></ul> <p>→ Video 4 :- Movement of MR2</p> <ul style="list-style-type: none"><li>→ Perfect walking Movement</li><li>→ Sanddie crossing</li><li>→ Taking turn.</li><li>→ Increasing speed.</li></ul>
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Videos in MP4 Format and size of 1 GB.

**Robocon Planning**

<p><b>MR2</b></p> <ul style="list-style-type: none"><li>→ Movement (only 1st &amp; 2nd)</li><li>→ Robot</li><li>→ Sanddie coding &amp; 1st &amp; 2nd</li><li>→ Knapon</li><li>→ Training coding &amp; 1st &amp; 2nd</li><li>→ Coding &amp; 1st &amp; 2nd</li><li>→ 1st &amp; 2nd</li><li>→ 1st &amp; 2nd</li></ul>	<p><b>MR1</b></p> <ul style="list-style-type: none"><li>→ Programming and 1st &amp; 2nd</li><li>→ 1st &amp; 2nd</li><li>→ 1st &amp; 2nd</li><li>→ 1st &amp; 2nd</li><li>→ 1st &amp; 2nd</li><li>→ 1st &amp; 2nd</li><li>→ 1st &amp; 2nd</li></ul>
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દિવ્ય ભાસ્કર, મહેસાણા.

### સેફ્રોની ઇન્સ્ટીટ્યુટ ઓફ ટેકનોલોજી ડી.ડી. રોબોકોનના પ્રથમ સ્ટેજમાં ભારતમાં પ્રથમ



મહેસાણા | સેફ્રોની ઇન્સ્ટીટ્યુટ ઓફ ટેકનોલોજી ડી.ડી.રોબોકોન 2019ના પ્રથમ સ્ટેજમાં સમગ્ર ભારતમાં પ્રથમ ક્રમ મેળવ્યો છે.તા.28 મી ફેબ્રુઆરીના રોજ જાહેર થયેલા પરિણામમાં સમગ્ર ભારતમાં 86 ટીમોમાંથી 51 ટીમ ફાઇનલ ટીમ માટે પસંદગી પામી હતી.પી.બી. પટેલ એન્જિનિયરીંગ કોલેજ સેફ્રોની ઇન્સ્ટીટ્યુટ ઓફ ટેકનોલોજીએ ડી.ડી. રોબોકોન 2019 સ્પર્ધામાં 100માંથી 93 ગુણ પ્રાપ્ત કરતાં સંસ્થાના મેને.ટ્રસ્ટી પ્રિયેશભાઈ દલાલ,પ્રિન્સિપાલ તથા સ્ટાફએ અભિનંદન પાઠવ્યા હતા.





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છ. તમજ તનુ સ્વાસ્થ્ય ન લગતા ટેસ્ટ કરાવે છે. આ વખતે ફિલ્ડ કરવા માં આવશે. જેનો લાભ તમામ સંપત્ત કરવા માં આવ્યો હતો.

## ગાંધીનગર ઝોનની સેફોની ઈન્સ્ટીટ્યુટ ઓફ ટેકનોલોજી ડી.ડી. રોબોકોન-૨૦૧૯ના પ્રથમ સ્ટેજમાં સમગ્ર ભારતમાં પ્રથમ

ગાંધીનગર,તા.૫ ડી.ડી. રોબોકોન ૨૦૧૯ સ્પર્ધામાં ભારતની વિવિધ ટેકનીકલ સંસ્થાઓ જેવીકે આઈ.આઈ.ટી. મુંબઈ, પટના, કાનપુર, દિલ્હી, રુડકી,મંડી, વારાણસી તથા ગુજરાતની નામાંકિત કોલેજો જેવીકે એલ.ડી. એન્જિનિયરીંગ, નિરમા યુનિવર્સિટી, એસ. વી.એન. આઈ.ટી. સુરતે ભાગ લીધેલ.

૨૮ ફેબ્રુઆરી ના રોજ પ્રથમ સ્ટેજનું પરિણામ જાહેર થયું. તેમાં સમગ્ર ભારતમાં ૮૬૬ ટીમોમાંથી ૫૧

ટીમ ફાઈનલ સ્ટેજ માટે પસંદગી પામેલ. આ ફાઈનલ ૫૧ સંસ્થાઓમાંથી ગાંધીનગર ઝોનની એસ.પી.બી. પટેલ એન્જિનિયરીંગ કોલેજ, સેફોની ઈન્સ્ટીટ્યુટ ઓફ ટેકનોલોજીએ “ડી.ડી. રોબોકોન ૨૦૧૯” સ્પર્ધામાં ૧૦૦ માંથી ૯૩ ગુણ પ્રાપ્ત કરી સમગ્ર ભારતમાં પ્રથમ ક્રમ મેળવેલ છે.

કોલેજની આ રોબોકોન ટીમમાં વિવિધ વિદ્યાશાખાઓ જેવીકે આઈ.ટી., કમ્પ્યુટર અને મિકેનિકલ એન્જિનિયરીંગના વિદ્યાર્થીઓએ ભાગ લીધેલ. આ ઝળહળતી



સફળતા બદલ સંસ્થાના મેનેજિંગ ટ્રસ્ટીશ્રી પ્રિયેશભાઈ દલાલ, પ્રિન્સિપાલ તથા સ્ટાફ મિત્રોએ

અભિનંદન પાઠવ્યા હતા અને અંતિમ સ્ટેજમાં પણ પ્રથમ ક્રમાંકે આવે એવી શુભેચ્છા પાઠવી હતી.

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### Saffrony SAEINDIA Collegiate Club - BAJA ATV

- ✚ 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.

#### **Photographs:**





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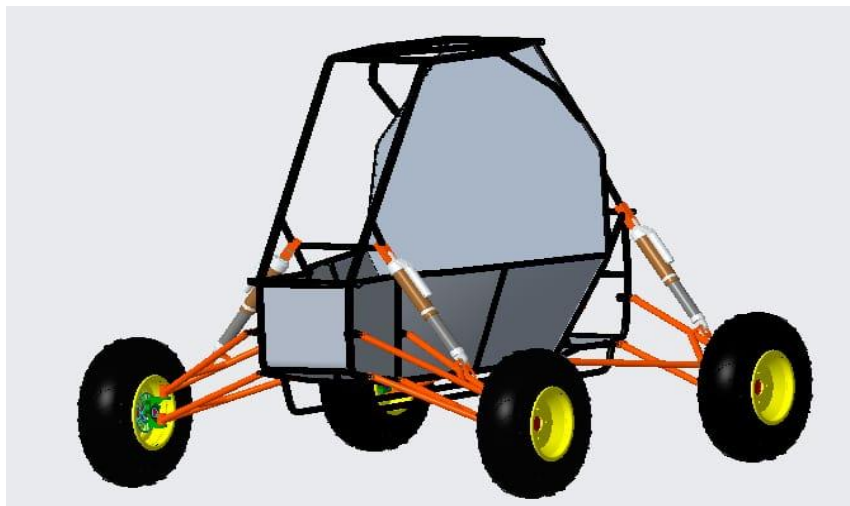
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