



MOULDING ENGINEERS WHO CAN BUILD THE NATION



# INSTITUTION'S INNOVATION COUNCIL FR. CRCE

## Annual Report IIC 6.0



# Annual Report IIC 6.0

## A. About IIC Institute:

- Vision of IIC established at the Institute: “Moulding Engineers Who Can Build The Nation”
- Mission of IIC established at the Institute: To Facilitate a platform for innovative minds to transform their ideas into viable business propositions to start a business venture.

## Journey of IIC established at the Institute:

IIC-FrCRCE is established in November 2018 with objectives to create a vibrant local innovation ecosystem to develop innovative mindset and nurture the innovative ideas of technology students by providing support for start-up mechanism.

The IIC–FrCRCE initiated various innovation, start-up, entrepreneurship related activities such as Workshops, Boot Camps online, Seminars, Hackathons, Mini Challenges, success stories and interactions with professionals, Alumni Entrepreneurs in the institute. The main events are Idea Competition, PoC Competition, Business Model Canvas and Demo Day. IIC celebrated most of the celebration activities announced by MOE. The top three teams of Idea Competition are felicitated during the annual function with best innovation prize. The student cells organizing startup and innovation activities enthusiastically are awarded with Innovation Trophy. The IIC president and NISP coordinator have conducted session on innovation and creativity for First Year students Induction Program. Nominated Faculty of CRCE representing all departments has completed Basic Level and Advanced Level IA Training. These faculty proactively mentored students by conducting session in different domains required to build a startup.

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In continuation with IIC activities, our Institute has joined the Campaign of implementing National Innovation and Startup Policy (NISP) in Higher Educational Institutions (HEI) initiated by MoE Innovation Cell in June 2020. We have successfully completed the policy formulation and in the Policy implementation stage. The action plan is prepared. NISP awareness session is conducted by NISP coordinator Prof. Swati Ringe to motivate and understand the faculty and students on 6th January 2021. NISP dedicated web page is created on the college website for reference.



Year (2019-2020)- 4.5 Stars



Year (2018-2019) – 4 Stars



Year (2020-2021)- 4 Stars



Year 2021-2022- 4 Stars



Year 2022-2023- 3.5 Stars

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Year 2023-2024 –  
IIC-FrCRCE Activities snapshot



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## IDEA COMPETITION IN 4 PHASES

IDEA Competition



POC Competition



Business Model Canvas



Demo Day



SIH STUDENTS MENTORS-  
INTERNAL SIH



Idea Competition Mentoring



Meetings



Incubation Visit at SPTBI



Women's Day Celebration



IIC Sessions



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## Outreach Program in School- Tinkering Lab

### 1) Hansraj Moraji Public School



### 2) Fr. Agnel Ashram Technical School Bandra



AI Tools and Technologies Innovations with Drone and UAV

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BitNBuild-International  
Level Hackathon

Incubation Visit at VJTI on 19 April  
2024



Shark Tank Activity



CHANDRAYAAN  
MAHOTSAV



National Startup Day



Prakalp-Project  
Competition



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## BIT N BUILD INTERNATIONAL HACKATHON

### PREVIOUS INTERNATIONAL CO-ORGANIZERS





# National Collaborators

Bihar	NIT Patna
Tamil Nadu	IIT Trichy
Odisha	IIT Bhubaneshwar
Uttarakhand	IIT Roorkee
Andhra Pradesh	Vellore Institute of Technology (VIT-AP)
Kerala	NIT Calicut
Punjab	IIT Ropar
Himachal Pradesh	IIT Mandi
West Bengal	Jadavpur University
Rajasthan	BITS Pilani
Karnataka	University of Visvesvaraya College of Engineering(UVCE)
Assam	Don bosco university
Telangana	CVR College
Delhi	Maharaja Agrasen Institute of Technology (MAIT)

# International Collaborators

Australia	La Trobe University
Lebanon	Islamic University
Netherlands	University of Amsterdam
USA	Virginia State University
France	Université de Bordeaux
Poland	Polish-Japanese Academy of Information Technology(PJAIT)
Malaysia	Universiti Teknologi Malaysia
Canada	University of Toronto- Scarborough(UTSC)
Spain	Universidad de Navvara
Egypt	Ain Shams University for Engineering

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Felicitation of Innovators and Contributors of IIC  
- Annual Day



BEST TECHNICAL EVENT  
AWARD – BitnBuild  
international level hackathon



BEST COUNCIL AWARD-  
Who organized  
I&E Events



BEST STUDENT  
COORDINATOR AWARD



ATAL TINKERING LAB activities

TOP 3 BEST INNOVATIVE SOLUTION AWARDS – Idea Competition 23-24



Mechanum Wheel  
Car Manufacturing



EV Conversion kit



Personal AI Trainer using  
smart Mirror and Raspberry-  
Pi

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Innovation Ambassador Mentoring for Students  
 – Making IIC-FrCRCE Atmanirbhar

**LEAN START-UP AND MINIMUM VIABLE PRODUCT/BUSINESS**

GAIN A DEEP UNDERSTANDING OF LEAN METHODOLOGY. LEARN HOW TO DEVELOP AND VALIDATE BUSINESS IDEAS EFFICIENTLY, AND ACQUIRE PRACTICAL STRATEGIES FOR BUILDING AND TESTING MINIMUM VIABLE PRODUCTS TO LAUNCH SUCCESSFUL VENTURES WITH MINIMIZED RISKS AND ACCELERATED GROWTH POTENTIAL.

4TH AUGUST  
 2:30 PM  
 SEMINAR HALL

**SAURABH KULKARNI**  
 SPEAKER  
 DEPARTMENT: ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

**WORKSHOP ON INTELLECTUAL PROPERTY RIGHTS AND IP MANAGEMENT FOR START UP**

SPEAKER  
**DR. BHUSHAN PATIL**  
 Professor and Head of Department, Mechanical Engineering, Fr. CRCE

DATE: 7 MARCH 2024  
 TIME: 9:30 AM-10:30 AM  
 VENUE: CLASSROOM 406

FACULTY COORDINATORS  
 Dr. Karan Jadhav  
 Dr. Roshan Kulkarni

**ENTREPRENEURSHIP AND INNOVATION AS A CAREER OPPORTUNITY**

Learn how to identify business opportunities, generate creative solutions, and compare the entrepreneurial landscape effectively.

Our Speaker  
**PROF. GARIMA TIWARI**  
 Department of AI and DS

DATE: 28 FEB 2024  
 TIME: 11:00 AM - 12:00 PM  
 VENUE: CLASSROOM 406

**PERFECT PITCH DECK PRESENTATION**

SPEAKER  
**PROF. VAIBHAV GOBOLE**  
 DEPARTMENT OF ELECTRONICS AND COMPUTER SCIENCE

Wednesday  
 23rd August 2023  
 11:00 A.M. - 12:00 P.M.  
 3rd Floor, 306

**IDEATIONS ARTIFICIAL INTELLIGENCE**

Get Started with Your AI Journey!

(FOR AI COMPUTERS STUDENTS)

THURSDAY  
 18 January, 2024  
 START AT 10:00 PM  
 FRCRCE  
 100 Classroom

**MRS. ASHWINI PANSARE**  
 Speaker/Trainer

**PHASES OF STARTUP**

Learn About:

- Ideation
- Product market fit
- Seed Funding
- Acquisition

18th MARCH 2024  
 FRIDAY  
 03:00PM - 04:00PM

ONLINE SESSION

**PROF. ANKITA AMBURE**  
 Speaker  
 Department of Computer Engineering

**ACHIEVING VALUE PROPOSITION FIT AND MARKET FIT CONVERTING INNOVATION INTO STARTUP**

LEARN PROVIDING SUCCESSFUL PRODUCT AND SERVICES WITH VALUE PROPOSITION CANVAS FOR ACHIEVING PRODUCT MARKET FIT

**PROF. SWATI RINGE**  
 IIC-NISP COORDINATOR  
 DEPARTMENT OF AI AND DS

DATE: WED 28th AUGUST  
 TIME: 12:30 PM

**STARTUP ECOSYSTEM**

Learn about:

- Startup & its types
- Startup ecosystem
- Startup financing
- Startup incubation
- Startup acceleration
- Startup exit

Know about:

- Startup ecosystem
- Startup financing
- Startup incubation
- Startup acceleration
- Startup exit

**PROF. HEENA PONDHAR**  
 Speaker

DATE: 15th FEB  
 TIME: 11:00 AM - 12:00 PM

**DESIGN VALIDATION USING DOUBLE DIAMOND APPROACH**

Speaker:  
**Dr. Hemant Khanolkar**  
 Senior Faculty at Fr.CRCE

**ENTREPRENEURSHIP SKILLS, ATTRIBUTES AND BEHAVIOUR**

Think as a journey of innovation and inspiration at our Entrepreneurship Seminar. Join us as we delve into the intricacies of entrepreneurial success, exploring the strategies, challenges, and triumphs that define the entrepreneurial landscape.

27th FEB 2024  
 START AT 12 PM

**PROF. SAKSHI SAKSHI**  
 IIC-NISP COORDINATOR

DEPT. AI&DS

More Information  
[WWW.FRCRCE.ACM.ORG](http://WWW.FRCRCE.ACM.ORG)

**HOW TO PLAN FOR START UP WITH LEGAL & ETHICAL STEPS**

Embarking on a startup journey requires meticulous planning, especially concerning legal and ethical considerations. Prioritize legal compliance, intellectual property protection, and adherence with regulations.

WITH  
**PROF. SWATI RINGE**

26 MARCH, 2024  
 2:30PM - 3:30PM  
 VENUE: 707

**Seminar Presentation**

Incubation Opportunities For Early Stage Entrepreneurs

Scheduled on : 01st August 2023 (Tuesday)

**Process of Innovation Development, Technology Readiness Level (TRL)**

**Prachi Patil**  
 DEPARTMENT OF COMPUTER ENGINEERING

Event Speaker

February 28, 2024

More Info  
[WWW.FRCRCE.COM](http://WWW.FRCRCE.COM)

**FEASIBILITY OF THE IDEA**

DATE: 19-01-2024  
 TIME: FROM 10:00 PM TO 1:00 PM  
 VENUE: ROOM NO - 702

Contact Us  
**KUSHAL PATIL (VCP)**  
 +91 9328781022

MR. UNK. LOCHANDE  
 ASSISTANT PROFESSOR  
 COMPUTER ENGINEERING  
 DEPARTMENT

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Diversified representation in the IIC established at the institute from industry, Interdisciplinary & Departments/ Units etc.

The Institute have four departments: Mechanical, Electronics and Computer Science (ECS), Computer Engineering and Artificial Intelligence and Data Science.

Institution's Innovation Council Composition (Academic Year – 23-24)

President	Principal	1	Dr. Surendra Singh Rathod (ECS)
Vice President	Assistant Professor	1	Prof. Ashwini Pansare (Comps)
Convener	Assistant Professor	1	Prof. Kranti Wagle (Comps)
NISP Coordinator	Assistant Professor	1	Prof. Swati Ringe (AI&DS)
Innovation Activity Coordinator	Assistant Professor	1	Prof. Dipali Koshti (ECS)
Startup Activity Coordinator	Assistant Professor	2	Dr. V. S. Jorapur(Mech), Prof. Prachi Patil(Comps)
Internship Activity Coordinator	Assistant Professor	1	Prof. Unik Lokhande(Comps)
IPR Activity Coordinator	Professor and Dean R&D	2	Dr. Ketaki Joshi(Mech), Prof. Garima Tripathi (AI&DS)

Social Media Coordinator	Assistant Professor	1	Prof. Jayen Modi
ARIIA Coordinator	Professor	1	Dr. DV Bhoir
NIRF Coordinator	Assistant Professor	1	Prof. Supriya Kamoji (comps)
E-Cell in-charge	Assistant Professor	1	Prof. Prajkta Bhangale(ECS)
Member-Collaborations	Assistant Professor	1	Prof. Swapnali Mahadik(AI&DS)
Tinkering Lab	Assistant Professor	2	Prof. Saurabh Kulkarni (AI&DS), Prof. V. Godbole (ECS)
Network Enabler	Training and Placement	1	Mr. Mahesh Sharma
Innovation Coordinator (Student)	Student Coordinator	1	Samuel Roy (Comps)
Startup Coordinator (Student)	Student Coordinator	1	Durgesh Yewale (ECS)
IPR Coordinator	Student Coordinator	1	Divyal Patil (AI &DS)
Social Media Coordinator	Student Coordinator	1	Grace Zavier Antony (AI&DS)
Internship Coordinator	Student Coordinator	1	Emmanuel Gudinho (Comps)

Representative from nearby Incubation Centre	Member	1	Prof. K. T. Talele, SPTBI, Mumbai
Representatives of SIDBI / NABARD / Lead Bank / Investor	Member	1	Sr. Manager, Union Bank, Hill Road Bandra-west
Technical Experts from nearby Industry	Member	1	Mr. Govind Gaundalkar, Microdevice Tech
Alumni Entrepreneurs	Member	1	Mr. Ayush Jain, UthopiaTech
Students from the host institution FROM COMPUTER, AI&DS, ELECTRONICS AND COMPUTER SCIENCE (ECS), MECHANICAL DEPARTMENTS	Council in-Charge Student From all departments	19	Alex Raj, Jonathan Dabre, Krishna soni, Blaise Gonsalves, Dhruv Pednekar, Shreya Sahay, Arnav Pandita, Crystal Fernandes, Shahbaz khan, Yash Waghmare, Lloyd Louis, Aaron Furtado, Chavarattil Shivprasad Premarajan, Shalaka Vengurlekar, Aditya Verma, Piyush Jogale, Aditya Dhikale, Rohit Aabasaheb Khambe, Sanika Rozario,

# Annual Report IIC 6.0

## A. Brief mention of key functionaries at the IIC Institute

President	Main Point of Contact with MHRD Innovation Cell (MIC). To constitute the IIC council, Plan Quarterly Council Meeting To ensure the effective implementation of IIC activities.
Vice President	To ensure the effective implementation of IIC activities.
Convenor	To work in coordination with IIC president and To provide help for smooth conduction of activities.
Innovation activity coordinator	To promote innovation related activities in the institute
Internship coordinator	To arrange student internships in start-ups.

# Annual Report IIC 6.0

## A. Brief mention of key functionaries at the IIC Institute

Internship coordinator	To arrange student internships in start-ups.
IPR activity coordinator	To promote IPR awareness and conduct related activities.
Social Media Coordinator	To create and manage IIC page/account on Facebook, Twitter and YouTube and Instagram
ARIIA Coordinator	Coordinate for ARIIA related activities
NIRF Coordinator	Coordinator for NIRF related activities

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Portfolio/graphical/Tabular representation of Resource strength  
(human +capital and Physical capital)  
of the IIC institution

Total No. of IIC Members	27
Total No. of Innovation Ambassadors	29(basic level) + 11(Advanced level) = 40
Total No. of faculty Mentors From Portal	11
Pre-Incubation Units, If any	Yes
Incubation Units, If any	Work is in Progress
IP Facilitation Unit, If any	Yes

# Annual Report IIC 6.0

Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind and Student bodies/clubs engaged in promotion of Innovation And Entrepreneurship in the campus.

1. Dedicated Pre-incubation Unit in each Department.
2. Institute is providing financial assistance to Staff and faculties in its best possible way.
3. Professional Consulting Support is provided (Naman Angels, 4 Professor in Practice are employed )
4. Start-up Cell, Entrepreneurship cell, IPR Cell is actively engaged in the promotion of Innovation and Entrepreneurship activities in the campus.
5. Dedicated IPR centre is available in the Campus. Project space and Internet facility is provided.

## **Highlight Achievements (Narrative/Graphical/tabular representation)**

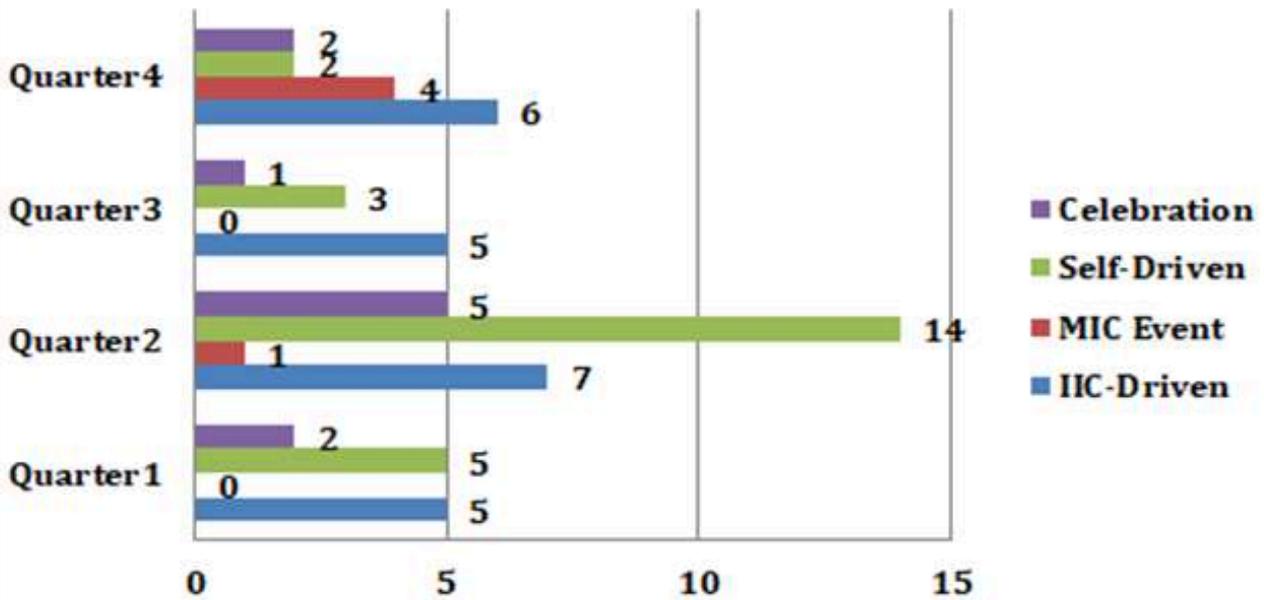
Sr.No.	Title	Number
1	Number and Different types of I&E and IPR activities Conducted	62
2	No. of student's & faculty ideas generated	5 shortlisted 114+ ideas uploaded on YUKTI
3	No. of student's & faculty Innovation /prototypes developed	12

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4	No. of IPs generated, published and granted	23
5	No. of Student & Faculty Start-ups/Ventures established.	03(TRL-9)
6	Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus	40000/
7	Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR	20000/
8	No. of Technology Transfer and Commercialization happened	Nil

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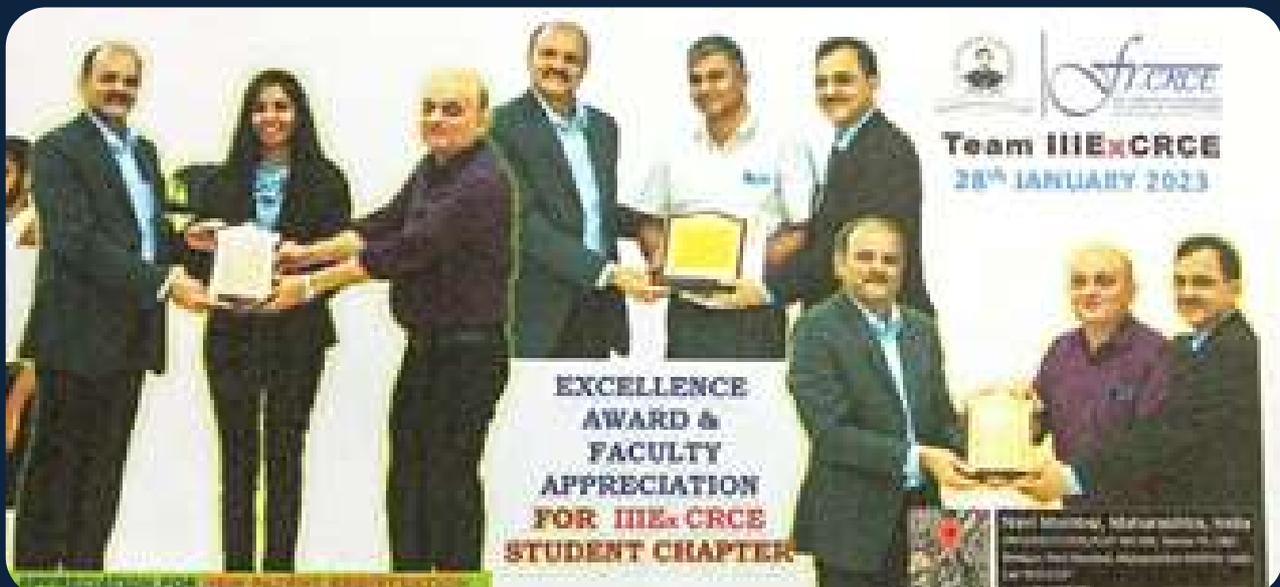
IIC-FrCRCE (23-24)



**Highlight few best IIC Faculty/Student members and their achievements/ Rewarded for the innovations at different forum**

Faculty Name-Designation - **Dr. Bhushan T Patil**

Profile - Faculty Excellence Award recipient from IIIE, Belapur Received Appreciation for New Patent Registration by Dr. Bhushan T. Patil, Janhavi (S.E Mech) and Team



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Team CFR : 11th rank (Overall) in Formula Bharat 2024 held in Coimbatore

**RESULTS CERTIFICATE**  
**FORMULA BHARAT 2024**

This certificate is being presented to

**E22 - CRCE Formula Racing Electric**  
**Fr. Conceicao Rodrigues College of Engineering**

Business Plan (75)	60.31	Acceleration (75)	0	<b>OVERALL (1000)</b>	<b>199.89</b>
Engineering Design (150)	99.55	Skidpad (75)	0	<b>RANK</b>	<b>11</b>
Cost & Manufacturing (100)	74.03	Autocross (100)	0	<b>Electric</b>	
<b>OVERALL PENALTIES</b>	<b>34</b>	Endurance (325)	0		
		Efficiency (100)	0		

Location: Kari Motor Speedway, Coimbatore  
Competition dates: January 19 - 24, 2024  
\*Online Judging events: September 2023 - January 2024

**POWERED BY**  
MathWorks, epsilon, HARMAN AUTOMOTIVE, ZUKEN, River, exponent, DigiKey, brose, BOSCH, Ansys, ST ENLIGHTEN, OCEALON

**HOSTED BY**

Team ABADHA CRCE

Achievements: Baja SAE India Sales.

Presentation: AIR 6th, Design

Presentation: AIR 20th, CAE

Presentation: AIR 5th (Venue: BVRIT, Hyderabad) Date 6th - 9th March 2024

Achievements in January 2024

- Baja SAE India
  - Sales presentation AIR 5<sup>th</sup>
  - Design presentation AIR 20<sup>th</sup>
  - CAE report AIR 15<sup>th</sup>
  - Electrical technician inspection clear
  - Overall rank AIR 67<sup>th</sup>



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Team Codie: Joel Pawar, Simona Rumao, Aditi Gupta, Shubham Shanbhag, Ruchira Rao, and Nivedita Kokane won an award for 'Building Educational Game' in Smart India Hackathon.

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Team GDA: Santo Sunny, Desmond Antony, Shinde Suraj, Mrunali Tamhankar, Meet Satra, Carol Lobo won an award for 'Sentinel Shield-Safeguarding People's Lives in Air Threat Situations' in Smart India Hackathon

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Team Zenith Zest: Rudalf Gonsalves, Zane Falcao, Jonathan Dabre, Aroy Pereira, and Mahek Intwala won Smart India hackathon 2023 Software Edition on 19-20th December, 2023. (National Level)

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Team Intmain consisting of Sanket Mane, Emmanuel Gudinho, Soham Kochare, Bryce Miranda, Omkar Surve and Archana Rajeshwar were among the finalists in SIH 2024 held at SKIT, Jaipur. (National Level)

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Zane Falcon, Aloy Pereira, Jonathan Dabre secured 5th Place in All India Council for Technical Education's (AICTE) Innovation, Design and Entrepreneurship (IDE) Bootcamp Phase – II



Slayde Sequeria, Chhand Chaughule, Janice Dcruze, Mark Tuscano won first prize in Ingenium 2.0, 15th September, 2023



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Joel Pawar, Simona Rumao and Aditi Gupta secured third position in Ideathon held at Fr. CRIT, Vashi



Team CFR received 4th place (Overall) in formula imperial 2023, at Noida Buddh circuit. 1st in engineering design, 3rd in Innovation Design.



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Team ABADHA CRCE Achievements: Baja SAE India Sales Presentation: AIR 6th, Design Presentation: AIR 20th, CAE Presentation: AIR 5th (Venue: BVRIT, Hyderabad) Date 6th - 9th March 2024

## Achievements in January 2024

- Baja SAE India
  - Sales presentation AIR 5<sup>th</sup>
  - Design presentation AIR 20<sup>th</sup>
  - CAE report AIR 15<sup>th</sup>
  - Electrical technician inspection clear
  - Overall rank AIR 67<sup>th</sup>



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Team Vaayushastra participated in SAE Aero Design, East : 11th Rank Globally, 10th in Design Report and 11th in Presentation

## Advanced Class - Overall Standings

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Standings	University (Team)	Country	Design Scores	Presentation Scores	Mission Performance Scores	Technical Inspection Deductions	Overall Scores
1	219 - Georgia Institute of Technology	United States	42.3292	44.4167	46.6500	-5.0	128.3958
2	230 - Wroclaw University of Technology	Poland	37.7120	43.3500	27.8626	-	108.9246
3	213 - Concordia University	Canada	32.9106	39.9550	17.0150	-	89.8806
4	226 - Universite Laval	Canada	31.3322	42.0250	4.1700	-	77.5272
5	218 - K.J.Somaiya College of Engineering	India	38.1561	39.1167	0.0000	-	77.2728
6	216 - Univ of Michigan - Ann Arbor	United States	39.3192	35.1375	0.0000	-	74.4567
7	220 - Vellore Institute of Technology	India	38.5430	35.0000	0.0000	-	73.5430
8	221 - Ecole Polytechnique Montreal	Canada	37.1453	36.1625	0.0000	-	73.3078
9	215 - Western University	Canada	33.8842	36.8375	0.0000	-	70.7217
10	229 - Nanjing Univ of Aeronautics & Astronauti	China	33.8159	31.1333	0.0000	-	64.9492
11	212 - Fr Conceicao Rodrigues College of Engrg	India	31.3926	33.3833	0.0000	-	64.7759

Aryan Khatam, Sharvin Gavad, Neston and Myron secured first rank at Bit n Build International Hackathon in Feb 2024

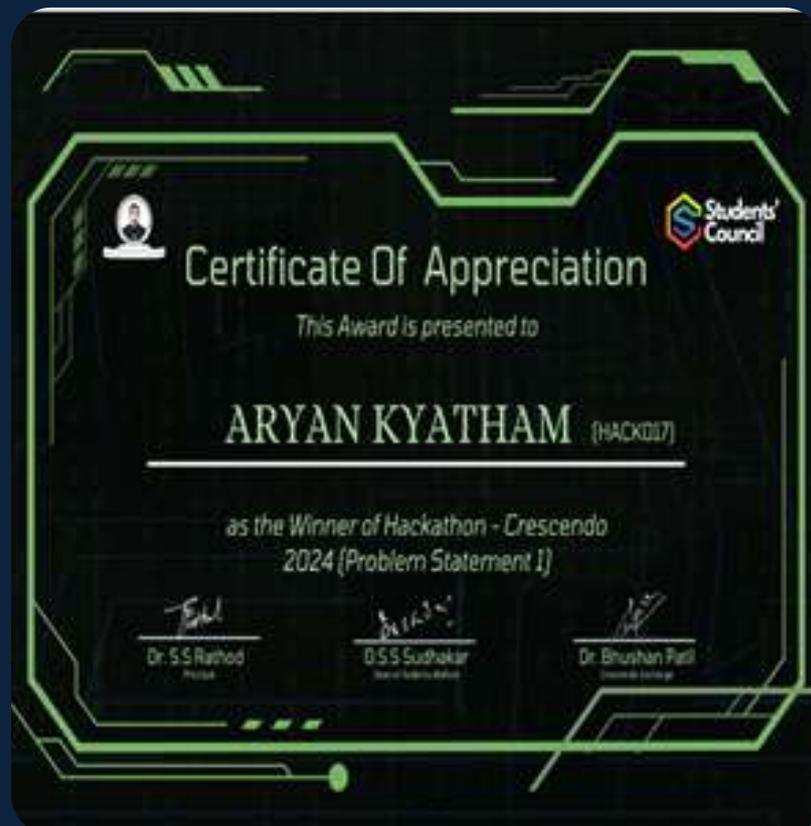


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Aryan Khatam, Sharvin Gavad, Neston and Myron secured first rank at national hackethon “Aeravat” at SPIT in March 2024



Aryan Khatam, Sharvin Gavad, Neston and Myron secured first rank at national hackethon “Matrix” at Fr.CRCE in Feb 2024



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Rishabh Pathak, Pritesh Kunder and Sahil Khan secured second position at Hackathon "Syntechxathon" organized by Rishi Dayaramseth Hassaram National Science College in Feb 2024



Denslin Nunes - 1st Rank in Moisture Minds National level competition held at IIT Dharwad on 26th August 2023



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Sahil Khan - First Runner-Up in the IEEE Techithon'23 Hack Mania 24-Hour Offline Hackathon organized by Atharva College of Engineering on 10th June 2023



Manasvi Patil, Martina John received Domain Prize for App Development at SPIT Hackathon



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Journal Paper presentation at GIBS ICIDT 2023 International conference on Innovation and Digital Transformation



Becky Nadar, Brita Nadar, Seema Yadav, and Devesh Vengurlekar Secured 2nd place in National Science Day intercollegiate idea and project presentation held at Rizvi College of Engineering



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Becky Nadar, Brita Nadar, Seema Yadav, and Devesh Vengurlekar were among the Dipex 2024 Finalist held at Terna Engineering College



Aditi Gupta, Joel Pawar, Simona Rumao were among the Agnethon Hackathon 2024 Finalist



Joel Pawar won Quasar Hackathon 2024 at Vasantdada Patil College of Engineering Sion



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Aditi Gupta, Joel Pawar, Rikita Rumde, Bhushan Pakhle, Amey Bagwe, Wesley Lewis, Simona Rumao Participated in All India Council for Technical Education's (AICTE) Innovation, Design and Entrepreneurship (IDE) Bootcamp Phase-II



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Shaun Pimenta won Hackathon 2024

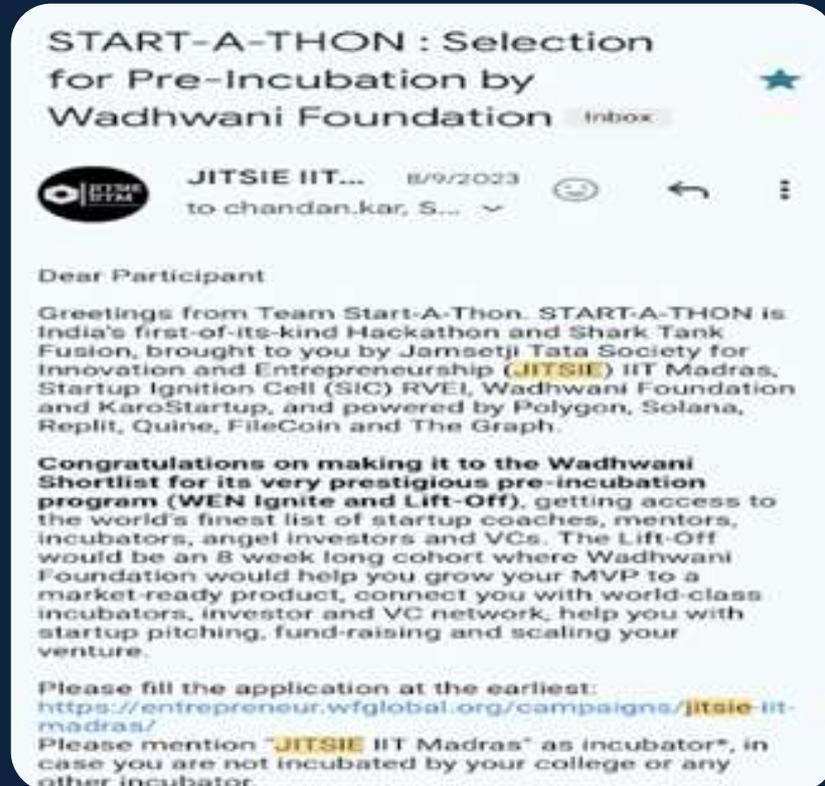


Joywin Mendonca secured 2nd Place AI De/ployer 2024 By CSI



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Joywin Mendonca were among Top 4 teams in Start-A-Thon An IIT Madras Hackathon



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Joywin Mendonca secured 1st Place TechVista 2024 By Algozenith



Slayde Sequeria and Chhand Chaughule were among the finalists in ACE Hacks hackathon organized by GDSC and CSI at Atharva College of Engg, Malad



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Soham Parab, Sanket Mane, Bryce Miranda were Runner Up at HackMania Hackathon organized by Atharva College of Engineering

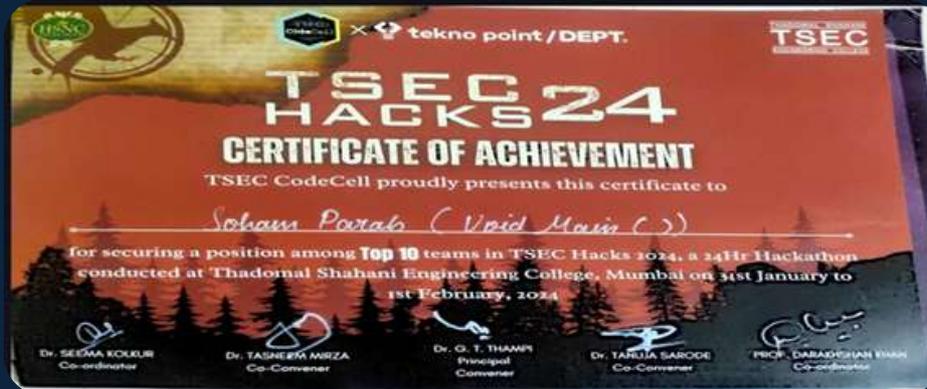


Soham Parab and Bryce Miranda secured Fourth Place at M-Indicator Hackathon in Android Domain held at VJTI, Mumbai



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Soham Parab was among the Top 10 TSEC Hacks Web/App Domain.



Soham Parab built an App for Fire and Security Association of India (FSAI) - Safe Ganesh Mandal Assessment



Felicitations:



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3 Second Year students from the Computer Department, Shaun Mendes, Susan Fernandes and Sharian Dabre have bagged the third prize at the national level hackathon held at Madras Institute of Technology, Chennai in which over 330 teams had participated from all over India. They secured the 3rd rank and have won a cash prize as well.



## Team 4i

- 1) Vinish Rexson  
(SE Comps B)
- 2) Yash Punmiya  
(SE comps B)
- 3) Harsh Dalvi  
(SE Comps A)
- 4) Nishant Maurya  
(SE Comps B)



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## IIC Faculty/Student members contributed for IIC Activities

Faculty Name-Designation	Profile
Dr.S.P Rathod (Principal CRCE), Prof.Ashwini Pansare (Coordinator)	Conducted One Week ATAL FDP funded by AICTE on "Institutional Restructuring and Strengthening Autonomy through NEP"
Dr. Ashok Kanthe, Prof. Kranti Wagle, Prof. Swati Ringe, Prof. Ashwini Pansare	SMART INDIA INTERNAL HACKATHON on 16th September 2023 with huge response with 53 teams participation. Total 30 Teams shortlisted and 05 teams waitlisted and Total 06 Teams shortlisted for Grand Finale of SIH 2023 dated on 19th and 20th December 2023
Prof. Vaibhav Godbole, Prof. Saurabh Kulkarni	Tinkering Lab Activity at Hansraj Morarji Public School on 4th Oct 2023 for school children of 5-6-7 and Junior college to promote innovation Sprint among students. They built a simple Tinkering project together.
Dr. Ashok Kanthe, Prof. Garima Tiwari	Organized Faculty Patent Development program in association with Technotren Innovation Academy from 31st July-5th August 2023 where 40 faculty members attended
Dr. Bhushan Patil, Dr. Ketaki Joshi, Prof M V B Rao,Dr Dipali Bhise and Mr Santosh Dharmen	Mechanical Engineering Department of organized workshop tailored specially for students studying 9th class Fr. Agnel Technical High School, Bandra on the Fundamentals of SolidWorks modelling and 3D printing on 22nd February 2024 for upgrading their Drawing skill sets.
Industrial Visit to KLT automotives and Tubular Products, Palghar Ltd	For Mechanical Engg. Students On 12th March 2024 in association with ASME,CRCE
Industrial visit to TOYOTA Workshop	TE and BE Mech students in October 2023

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Sl. No	Type of Patent	Patent Application No.	Faculty Inventor/s Name	Patent Details	Status
1	Design	392016-001	Prof. Vaibhav Godbole	Blockchain Enabled Surveillance Device	Granted
2	Design	401316-001	Dr. Vasim Shaikh Dr. Bhushan Pati	Vibration Test Rig	Granted
3	Utility	2023230903 40	Prof. Swati Ringe Prof. Kranti Wagle	Blockchain-Based Healthcare Management Application	Published
4	Design	37930-001	Prof. M V B Rao Dr. Bhushan Patil	Nozzle for Turning Operation	Granted
5	Utility	2023210394 93	Prof. Kranti Wagle, Prof. Swati Ringe, Prof. Sujata Deshmukh	Autiscape: An immersive 3D environment with Multi-level Fading, Animations, Text-To-Speech conversion using Bark - an AI based model for use in computational therapy for Autism Spectrum Disorder.	Published
6	Utility	2023210770 89	Prof. Swati Ringe Prof. Sarika Daware	Yogaguru: Your AI Yoga Trainer	Published
7	Utility	2023210535 32	Prof. Ashwini Pansare	Utilization of reinforcement learning and explainable Artificial Intelligence analysis in the development of self driving vehicle with robust protection against GPS spoofing attack	Published
8	Utility	202321039420	Prof. garima Singh	IOT Based digital hydroponic nutrient prediction device in a hydroponic system.	Published
9	Utility	2023210507 54	Prof. Sushma Nagdeote	A system for attendance management	Published
10	Design	409507-001	Dr. Brijmohan Satyanarayan Daga	AI based sign board for marketing	Granted

# Annual Report IIC 6.0

Sl. No	Type of Patent	Patent Application No.	Faculty Inventor/s Name	Patent Details	Status
11	Design	6308276	Dr. Joseph Rodrigues	UGV Drive Smart Precision Agriculture Robot	Granted
12	Utility	2023210569 11	Prof. Monali Shetty	Detection of malicious blockchain attacks using federated learning	Published
13	Design	421414-001	Prof. Ashwini Pansare	Timed water dispensing control system for water purifiers	Granted
YEAR 2022-2023					
14	Utility	2023210279 09	Dr. Sujata Deshmukh Prof. Dipali Koshti Prof. Supriya Kamoji	EDU-VQA- A Multimodal Multi-Knowledge Open Domain Visual Question Answering Model For Education	Published
15	Utility	2023210203 15	Prof. Kalpana Deorukhkar	Detection of Video Duplication and Integrity Verification using Blockchain Technology	Published
16	Utility	2023210186 53	Prof. Archana Lopes Prof. Sangeeta Parshionikar	Metastore- An Image-Based 3d Garment-Making System For Virtual Try-Ons	Published
17	Utility	202321015188	Prof. Sangeeta P. Prof. Archana Lopes	Verbal Agreement Signing using Blockchain & Speech Recognition	Published
18	Design	379051-001	Dr. Bhushan Patil Dr. Ketaki Joshi Dr. Sujata Deshmukh	Corner set punch for springback elimination in vsheet metal bending	Granted
19	Design	374640-001	Dr. Bhushan Patil Dr. Ketaki Joshi Dr. Sujata Deshmukh	Article for Printing 3D parts using Electrochemical Deposition	Granted

# Annual Report IIC 6.0

Sl. No	Type of Patent	Patent Application No.	Faculty Inventor/s Name	Patent Details	Status
20	Design	375204-001	Dr. Ketaki Joshi Dr. Bhushan Patil Dr. Sujata Deshmukh	Football Thrower	Granted
21	Utility	2022410514 49	Dr. Sujata Deshmukh	IoT and Artificial Intelligence based fruit recognition, calorie estimation and suggestion for healthy life using Deep learning algorithms	Published
22	Design	2022210608 23	Prof. Monali Shetty	Blockchain based system for project funding and CSR funding	Published
23	Utility	2022210704 79	Dr. Sujata Deshmukh, Prof. Supriya Kamoji Dr. Bhushan Patil	Floodknow: A Ai Based Hybrid	Published

Credit Courses in Innovation / Entrepreneurship / Intellectual Property offered by the HEI

at Diploma/ UG/ PG/ PhD level.

1. Innovation and Design Thinking : at UG Level

2. IPR : at UG level (Elective)

# Annual Report IIC 6.0

1) Team Received Funding Of Rs 6 Lakhs under Yukti Innovation Challenge 2023

IIC YT LINK: [CLICK HERE](#)

**Fr. CRCE**  
e-mail 

Kranti Wagle CRCE <kranti@fragnel.edu.in>

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**Result Announcement: Funding Assistance to Innovations from IIC Institutions - YUKTI Innovation Challenge 2023- Reg.**

2 messages

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AICTE(no-reply) <noreply14@aicte-india.org> Thu, Apr 18, 2024 at 5:37 PM  
To: kranti@fragnel.edu.in

Dear IIC Institute Incharges,

Greetings from the Ministry of Education's Innovation Cell and AICTE !

As part of the Institution's Innovation Council (IIC) initiatives of the Ministry of Education's Innovation Cell, since 2018, MIC and AICTE provides mentoring and funding assistance to shortlisted innovations and startups from IIC institutions routed through various challenges and competitions such as National Innovation Challenge YUKTI Innovation Challenge (YIC), SIH etc. So far MIC has supported 75 ideas/innovations with grant support and incubation linkage access, out of these more than 55 innovations have been transformed into a Startup and mobilised grants from various sources and many of them also raised investments.

The YUKTI Innovation Challenge (YIC) 2023 is the 3rd edition of innovation challenge and its a 360 degree experiential learning program built upon the YUKTI Innovation and IPR Repository created in IIC institutions, it aims at hand-hold young student and faculty innovators, and offers a series of mentoring, training, demonstration, pitching, and evaluation sessions to innovators from Higher Education Institutions (HEIs). The program aims to prepare innovators to go through a path of experiential learning, transforming their innovations into startups or facilitating technology transfer for scale-up.

In this current edition, MIC has received a total 4,103 nominations of innovations in the stage of TRL 4-9 from 800+ IIC institutions and all of them have already undergone multiple rounds of mentoring, screening and series of 21 online expert talk sessions on various aspects of innovation and business model validation. Finally, 1,946 innovations completed the training and they were invited to attend



MoE's  
INNOVATION CELL  
(GOVERNMENT OF INDIA)



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of Education Initiative)



## YUKTI Innovation Challenge 2023

List of Innovations eligible for grant assistance from AICTE/MIC

IIC YT LINK: [CLICK HERE](#)

Sl. No.	IR No.	Innovation Title	Innovator	State	Grant Amount
77	IR2023-831042	HEAD MOVEMENT AND VOICE CONTROLLED WHEELCHAIR FOR QUADRIPLEGIC PATIENTS	DR SUMIT SINGH PHUKELA	Haryana	₹ 4,00,000.00
78	IR2022-773491	Withanolide A - a potent inhibitor of mitochondrial HSP90 of Hepatocellular Carcinoma (HCC)	Dr. P.K.Praveen Kumar	Tamil Nadu	₹ 5,00,000.00
79	IR2023-865167	HAND GESTURE CONTROLLED PHYSICAL AND DIGITAL TWIN OF ROBOTIC ARM	Ojas Jain	Andhra Pradesh	₹ 6,00,000.00
80	IR2024-896585	ROCKVED - A Gamified Approach to Vedic Mathematics and ISRO	Pranav V	Karnataka	₹ 6,00,000.00
81	IR2024-896584	Vani- Speech and sound interventioapp	Saniyaa B Shetty	Andhra Pradesh	₹ 6,00,000.00
82	IR2022-782362	AsthaGraha Educational Space Game	Santo Sunny	Maharashtra	₹ 6,00,000.00
83	IR2022-800075	Fabrication of electronic kit using spectrophotometric method to detect contaminants in Oils such as olive oil and vegetable oil	shaik kareem ahmmad	Telangana	₹ 5,00,000.00

# Annual Report IIC 6.0

Yukti idea team progress Evaluation of the team with industry experts panel.

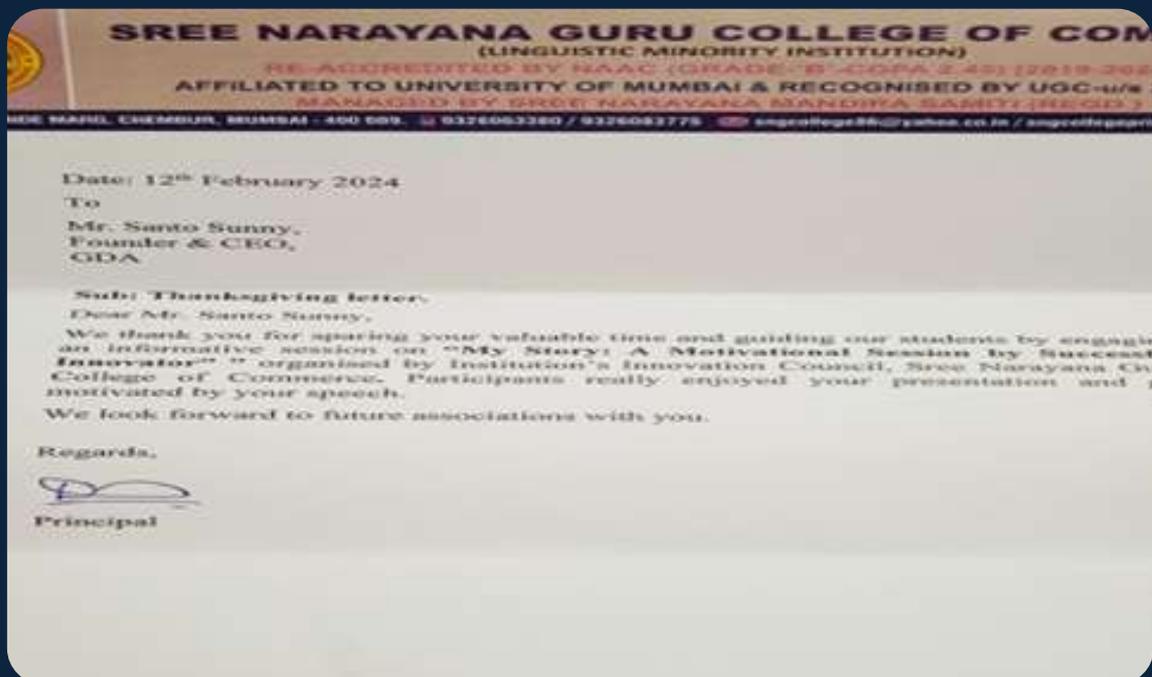
YT Video Link: [CLICK HERE](#)



Company Registration of Team Asthagraha selected at Yukti Innovation Challenge 2023

Spandan Enterprises		Performa Invoice			
<b>Spandan Enterprises</b> Address: 521/13 Samadhan Niwas, N M Joshi Marg, Byculla West, Mumbai 400011 PAN No: BKKMPK8092B Firm Name: GDA Studio Games		Invoice No. Sep-2024/023 Date: 03/09/2024 PO No: NA PO Date: NA Payment Terms: Advance			
Sr.no.	Description	HSN CODE	Quantity	Unit Price	Total
1.00	Company Registration		1	35000.00	35000.00
	Certificate of Incorporation				
	PAN				
	TAN				
	PF Registration				
	ESIC Registration				
	GST Registration				
				<b>Taxable Value</b>	35000.00
				<b>GST Rate</b>	0.00
				<b>GST Amount</b>	0.00
				<b>Total Value</b>	35000.00
Total Invoice Amount in Words: Thirty Five Thousand Only					
Tax Payable by Recipient of Reverse Charge (tax): NO					
<b>Authorized Signatory</b> SWASHANT <small>(Digitally signed by Swashant Dilip Kadam)</small> DILIP KADAM					
<b>BANK DETAILS OF SUPPLIER</b> Bank Name: State Bank Of India					

# Annual Report IIC 6.0



Felicitation of Founder of GDA(ASTHAGRAHA STARTUP)  
SUCCESSFUL INNOVATOR



[YT Video Link:](#) [CLICK HERE](#) ✨

# Annual Report IIC 6.0

Collaboration with the Following Industry & Startups

## 1) MOU WITH ICAR-CENTRAL INSTITUTE OF FISHERIES EDUCATION MUMBAI

### Memorandum of Understanding (MOU)

Between

Fr. Conceicao Rodrigues College of Engineering, Institute Innovation Council

Fr. Agnel Ashram, Bandra West, Bandstand, Mumbai, 400050

And

ICAR-Central Institute of Fisheries Education (ICAR-CIFE) Mumbai

**Purpose:** This Memorandum of Understanding (MOU) establishes a collaborative partnership between [Name of the Engineering College] and ICAR-Central Institute of Fisheries Education (ICAR-CIFE), Mumbai, for the purpose of engaging engineering students and ICAR-CIFE students in joint research projects. The collaboration aims to leverage the expertise and resources of both institutions in various domains, including Disease Diagnostics with Image Acquisition, Environmental Impact on Fish, Database Development for ICAR Data, Biosensor Projects, and other relevant research areas.



# Annual Report IIC 6.0

## 2) MOU WITH FIRE AND SAFETY SECURITY ASSOCIATION OF INDIA



FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING  
Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050



### FSAI Collaboration

#### FSAI - Fire and Security Association of India

The Fire and Security Association of India (FSAI) is an organization dedicated to promoting and enhancing safety measures across various sectors in India. It focuses on recognizing and encouraging the adoption of fire and security practices to safeguard lives and property. FSAI conducts initiatives like competitions and audits to identify and reward exemplary safety practices, such as identifying the safest Ganesh Mandals during the Ganesh Chaturthi festival. Their mission is to advance safety standards and foster a culture of security awareness in the community.



# Annual Report IIC 6.0

## 3) MOU WITH MUMBAI UNIVERSITY FOR ESTABLISHMENT OF STARTUP CLINIC IN CRCE CAMPUS

**Prin.(Dr.) Sachin S. Laddha**  
Ph.D., M.Pharm, FACS, FCRS  
**Director**  
INNOVATION, INCUBATION & LINKAGES  
Green Technology Building,  
Vidyanagari Campus,  
University of Mumbai,  
Santacruz (E),  
Mumbai 400 098  
email : director.ii@mu.ac.in  
Phone (Off) : +91 9320208078

**University of Mumbai**  
  
मुंबई विद्यापीठ  
RE-ACCREDITED A++ GRADE (CGPA 3.85) BY NAAC

**प्राचार्य (डॉ) सचिन श्याम लद्दा**  
पी.एच.डी., एम.फार्म., एफ.एस.सी., एफ.सी.एस.ए.एस.  
संचालक  
नवोपक्रम, नवसंशोधन व साहचर्य मंडळ,  
हरिश्चंद्र तंत्रज्ञान इमारत, विद्यानगरी परिसर,  
सांताक्रुझ (पू.),  
मुंबई - ४०० ०९८.  
ईमेल : director.ii@mu.ac.in  
फ़ोन(ऑफिस) : +९१ ९३२०२०८०७८

**No.II&L/ICD/2024-25/48** **Date:23<sup>rd</sup> July, 2024**

**To,**  
**Dr. Surendra Singh Rathod**  
Fr. Conceicao Rodrigues College of Engineering,  
Fr. Agnel Ashram, Bandstand.  
Near Taj Land. Bandra(w). Mumbai

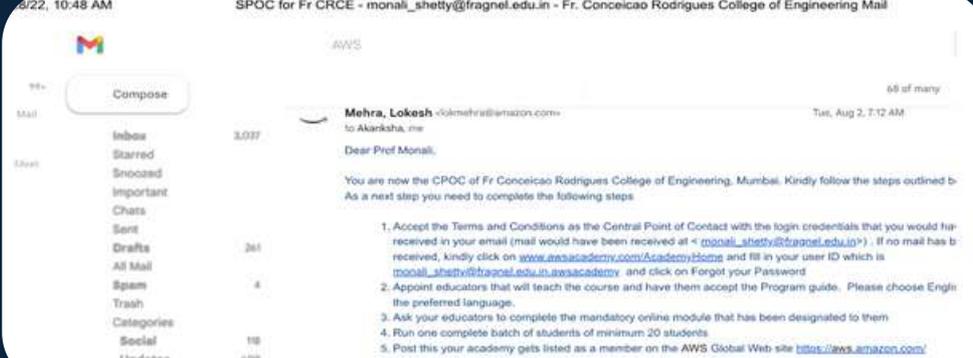
**Dear Dr. Surendra Singh Rathod,**

I am pleased to inform you that your proposal for the establishment of a Startup Clinic powered by MU IDEAS Foundation Incubation Center, Mumbai at Fr. Conceicao Rodrigues College of Engineering has been approved. We are excited about the potential this initiative has to foster innovation, entrepreneurship, and practical business skills among our students.

The Startup Clinic will serve as a resource center where students as well as budding Startups can receive guidance on developing business ideas, creating business plans, and navigating the complexities of starting and running a business. This initiative aligns with our commitment to providing students with hands-on learning opportunities and preparing them for successful careers in a dynamic economic landscape.

## 4)MOU WITH AWS

8/22, 10:48 AM SPOC for Fr CRCE - monali\_shetty@fragnel.edu.in - Fr. Conceicao Rodrigues College of Engineering Mail

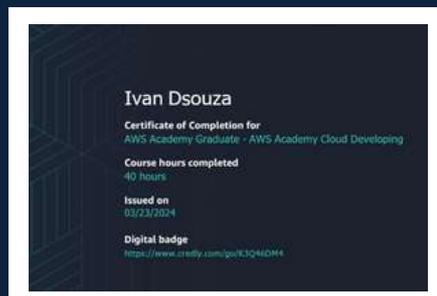
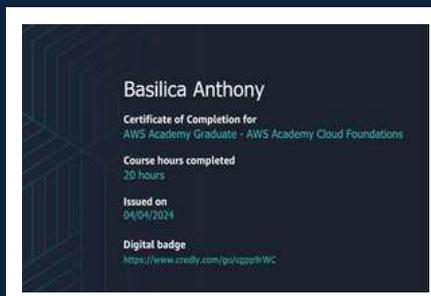


**Mehra, Lokesh** <lokemehra@amazon.com>  
to Akanksha, me  
Dear Prof Monali,

You are now the CPOC of Fr Conceicao Rodrigues College of Engineering, Mumbai. Kindly follow the steps outlined b- As a next step you need to complete the following steps

1. Accept the Terms and Conditions as the Central Point of Contact with the login credentials that you would have received in your email (mail would have been received at < monali\_shetty@fragnel.edu.in >). If no mail has been received, kindly click on [www.awsacademy.com/AcademyHome](http://www.awsacademy.com/AcademyHome) and fill in your user ID which is monali\_shetty@fragnel.edu.in and click on Forgot your Password
2. Appoint educators that will teach the course and have them accept the Program guide. Please choose English as the preferred language.
3. Ask your educators to complete the mandatory online module that has been designated to them
4. Run one complete batch of students of minimum 20 students.
5. Post this your academy gets listed as a member on the AWS Global Web site <https://aws.amazon.com/training/eksacademy/member-list/>

## STUDENTS CERTIFICATE COMPLETING AWS CERTIFICATION



# Annual Report IIC 6.0

5) Collaboration with Professor Of Practice(Employed as global head of Technology and innovation hub, Senior vice President Jio)

**YT Video Link:** [CLICK HERE](#)

Collaboration with Professor Of Practice  
(4 Industry Persons Employed)

Ref: CRCE / 2024 / 200

Date: June 3, 2024

**Mr. Aniket Mhala**  
Global Head of Technology and Innovation Hub  
Oracle (OFSS)  
Mumbai

**Sub.: Appointment**

Dear Mr. Aniket Mhala,

With reference to your application for the post of 'Professor-of-Practice' and the subsequent interview you had with us on 27<sup>th</sup> April 2024, We are pleased to inform you that you have been selected for appointment as ' PROFESSOR-OF-PRACTICE ' in the department of Computer Engineering on Hourly basis with effect from 24<sup>th</sup> June 2024 to 31<sup>st</sup> May 2025 on a honorarium of Rs 6,000/- (Rupees Six Thousand Only) per day which includes Travelling Allowance

You are required to report for minimum 4 hours per day which will be mutually agreed upon

Description of your role and responsibilities are as under :

1. Teaching of course as per the revised curriculum under autonomy
2. Provide mentorship to students for projects, hackathons and career prospects.
3. Provide strategic leadership in implementation of innovation, entrepreneurship and incubation activities at the college.
4. Explore the possibilities of collaborations with other national / international institutes and industries of repute to set-up 'Centres of Excellence' and 'Innovation Labs'.
5. Provide suggestion for curriculum improvement.

Your timings will generally be from 9.00 am to 4.00 pm.

# Annual Report IIC 6.0

## Minutes of the Meeting

**Date:** 03-08-2024

**Time:** 12:00 pm – 2:00 pm

**Location:** Fr. CRCE Bandra

### Attendees:

- **Evaluators:**
  - Mr. Aniket Mhala (Senior Vice President Head of Innovation Centre Jio Platform)
  - Mr. Mayur Aggarwal (Vice President of Mappls Company)
  - Dr. Surendra Singh Rathod (Principal of Fr. CRCE Bandra)
- **Professors:**
  - Mrs. Kranti Wagle
  - Mrs. Ashwini Pansare
- **GDA Members:**
  - Mr.Santo Sunny (CEO of GDA)
  - Mr,Desmond Antony (CTO of GDA)
  - Mr,Suraj Shinde (CMO of GDA)

### Members Absent:

- Mr.Meet Satra
- Miss. Mohini

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### Agenda:

1. Evaluation and review of the product of GDA
2. Key Evaluation Points

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### Key Points Discussed:

1. **Introduction to the Educational Game**
  - Overview of the game.
  - Objective: To pitch the game to schools.
2. **Happy Index**
  - Measure the impact of the game on student happiness.
3. **Result Improvement**
  - Assess how the game improves student results.

# Annual Report IIC 6.0



## MEMORANDUM OF UNDERSTANDING

BETWEEN

**Fr. Conceicao Rodrigues College of Engineering**  
Fr. Agnel Ashram, Bandstand, Bandra(W)  
Mumbai - 50

AND

**UtopiaTech Private Limited**  
921,B-wing, Pranik Chambers, Saki Vihar road,  
Sakinaka, Andheri East  
Mumbai-72

**This Memorandum of Understanding (MOU) is made on this 23/07/2024 by and between:**

**Fr. Conceicao Rodrigues College of Engineering** (hereinafter referred to as "FRCRCE"), and **UtopiaTech Private Limited** (hereinafter referred to as "UtopiaTech"), collectively referred to as the "Parties".

### **WHEREAS:**

1. **FRCRCE** is a leading institution dedicated to providing quality education in engineering and technology.
2. **UtopiaTech** is a fast-growing startup specializing in Internet of Things (IoT) solutions, founded by a passionate group of engineers in 2017, and is committed to solving large-scale enterprise problems through affordable and easy-to-use IoT solutions.
3. Both parties recognize the importance of collaboration to foster innovation, research, and development in the field of IoT and to provide students with practical experience and exposure to real-world challenges.

**NOW, THEREFORE, IT IS AGREED AS FOLLOWS:**

## 6) MOU SIGNED WITH UTOPIA TECH. PVT LTD

UtopiaTech is a fast growing startup in the space of Internet of Things(IoT). Founded by passionate group of engineers in the year 2017, it has now grown into leading IoT solution provider. It firmly believes that connected infrastructure can reduce energy wastage and solve complex operational challenges.

The team at UtopiaTech is extremely passionate about the IoT technology and it envisions solving large scale enterprise problems through affordable and easy to use solutions. More than 100 enterprises are seamlessly managing infrastructure through its pioneering solutions.

MENTORING BY THE CO-FOUNDER OF UTOPIA TECH Mr. AYUSH JAIN ,INVITED AS JUDGE AT SIH 2024 INTERNAL HACKATHON

**YT Video Link:** [CLICK HERE](#) 

# Annual Report IIC 6.0

## 7) MOU SIGNED WITH FUTURE LOGIC

Business intelligence company focussed on supply chain operations. We using our knowhow in system integrations create data warehouses and pipelines into relevant enterprise systems. This data warehouse becomes the key in aligning business objectives with dashboards

<http://futurelogic.io/>



**MEMORANDUM OF UNDERSTANDING (MOU)  
BETWEEN**

**Fr. Conceicao Rodrigues College of Engineering**  
(Hereinafter referred to as "FR.CRCE")  
Fr. Agnel Ashram, Bandstand, Bandra(W)  
Mumbai 50

**AND**

**Future Logic Company**  
(Hereinafter referred to as "Future Logic")  
14B Ashirwad Chs, Subhash Nagar, Lower Parel East,  
Mumbai 400013

**1. Purpose**  
The purpose of this Memorandum of Understanding (MOU) is to establish a framework of collaboration between FR.CRCE and Future Logic to promote academic, research, and professional development activities that will mutually benefit both parties.

**2. Areas of Collaboration**  
FRCRCE and Future Logic agree to collaborate in the following areas:

- **Internship Programs:** Facilitate internship opportunities for FRCRCE students at Future Logic to gain industry experience.
- **Workshops and Seminars:** Jointly organize workshops, seminars, and training sessions on emerging technologies and industry practices.
- **Research and Development:** Collaborate on research projects that align with the interests of both parties, particularly in areas of technology, innovation, and engineering.

**3. Roles and Responsibilities**

- **FR.CRCE:**
  - Identify students eligible for internships and coordinate in their internship process with Future Logic.
  - Provide facilities for conducting workshops, seminars, and other collaborative events.
  - Support research projects by providing academic resources and guidance.
- **Future Logic:**
  - Offer internship positions and mentorship to selected FRCRCE students.
  - Share expertise by participating in workshops, seminars, and other academic activities at FR. CRCE.

Future Logic Systems Private Limited  
CIN U72900MH2022PTC389553  
14B Ashirwad Chs, Subhash Nagar, Lower Parel East, Mumbai 400013  
[gcp@futurelogic.io](mailto:gcp@futurelogic.io), 022- 6507 5102

**FUTURE LOGIC SYSTEMS PVT. LTD.**  
14, Floor-2, Plot-9, B Wing, Ashirwad CHS  
Pandurang B Bagve Marg, Subhash Nagar,  
Chinchpokli (W), Jacob Circle, Mumbai-400011  
Tel:-022-49727952

**FUTURE LOGIC SYSTEMS PVT. LTD.**  
Office No. 47, 67B, Gopal Marathe,  
Gurunak Road, Bandra West,  
Mumbai 400050, Maharashtra  
Tel:-022-49727952

# Annual Report IIC 6.0

IIC-FrCRCE organised INNOVATORS SUMMIT on 21st August 2024

**IIC YT Video Link:** [CLICK HERE](#) ✨



**IIC INNOVATORS SUMMIT**

 <b>Mr. Umesh Rathod</b> Manager IP & Technology Transfer Innovation Center	 <b>Mr. Anish Maheshwari</b> Founder Vyaas Investment Affairs	 <b>Mr. Amitee Rathi</b> Co-Founder - Vyaas Investment Affairs Pvt. Ltd.	 <b>Mr. Swapnil Chandiwade</b> Senior Officer IPR at Marico India Limited
 <b>Mr. Nikhil Gupta</b> Chief Executive Officer & Fund Manager Vyaas Catalysts Fund	 <b>Dr. Surendra Singh Rathod</b> IIC President FrCRCE	 <b>Prof. Swati Kinge</b> IIC MSP Co-ordinator FrCRCE	

SEMINAR HALL 108  
21ST AUGUST, 2024 @ 1:30PM

**CERTIFICATE OF PARTICIPATION**

This certificate is proudly awarded to

*Aaron Fernandes*

This is to certify that Aaron Fernandes has actively participated in the IIC Innovator's Summit 2024 organized by Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai on 21st August 2024.

Dr. Surendra Singh Rathod  
IIC President

Mr. Umesh Rathod  
Innovation Manager (IP & Technology Transfer)  
Innovation Center (IIC) - MOE



अखिल भारतीय तकनीकी शिक्षा परिषद  
**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**  
(A STATUTORY BODY OF THE GOVT. OF INDIA) (एनएसएस का एक शिक्षक संस्थान)



**REGIONAL COORDINATION CENTRE, MUMBAI**  
क्षेत्रीय समन्वय केंद्र, मुंबई  
Innovation Centre - Western Region  
इंनोवेशन सेंटर - पश्चिमी क्षेत्र

2nd Floor, Industrial Research Building,  
Indian Institute of Management  
(IIM) Mumbai Campus,  
Vihar Lake,  
Mumbai-400087  
E-mail: [WFO@aicte-india.org](mailto:WFO@aicte-india.org)

Dear IIC team,

I hope this message finds you well. On behalf of the AICTE Innovation Center, I would like to extend our deepest gratitude to you & your esteemed institution i.e. Fr. Conceicao Rodrigues College of Engineering for organizing the IIC Innovators Summit on August 21<sup>st</sup>, 2024.

The event was an outstanding success, and your team's dedication and meticulous planning were evident in every detail. The opportunity to connect with other innovation enthusiasts and industry leaders was immensely beneficial. It fostered a collaborative spirit and provided a platform for sharing ideas and best practices that will undoubtedly contribute to the growth and success of our initiatives.

A special mention to the President – Prof. Dr. Surendra Singh Rathod, Vice-President – Prof. Dr. Ashwini Pansare & Convener – Prof. Dr. Kranti Wagle of IIC for seamlessly executing the event with all anticipated deliverables.

Thank you once again for your hard work and for creating such a memorable and impactful event. We look forward to collaborating with you on future initiatives.

Warm regards,

**Umesh Rathod**  
Innovation Manager (IP & Technology Transfer)  
Innovation Centre, Western Region

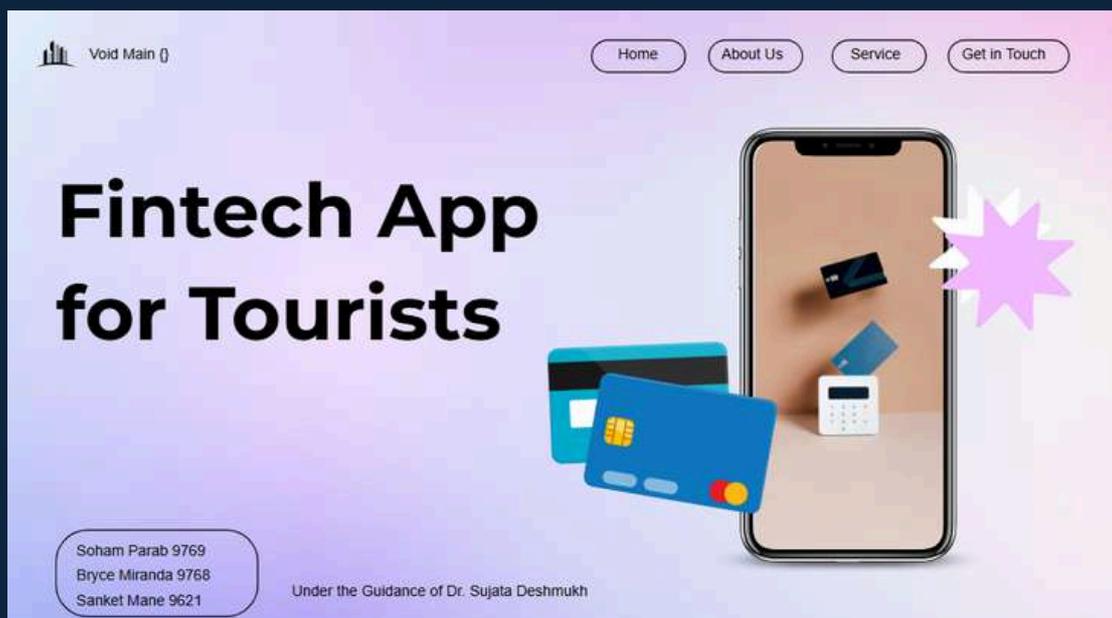
# Annual Report IIC 6.0

Sr. No            Innovator Name with Innovation

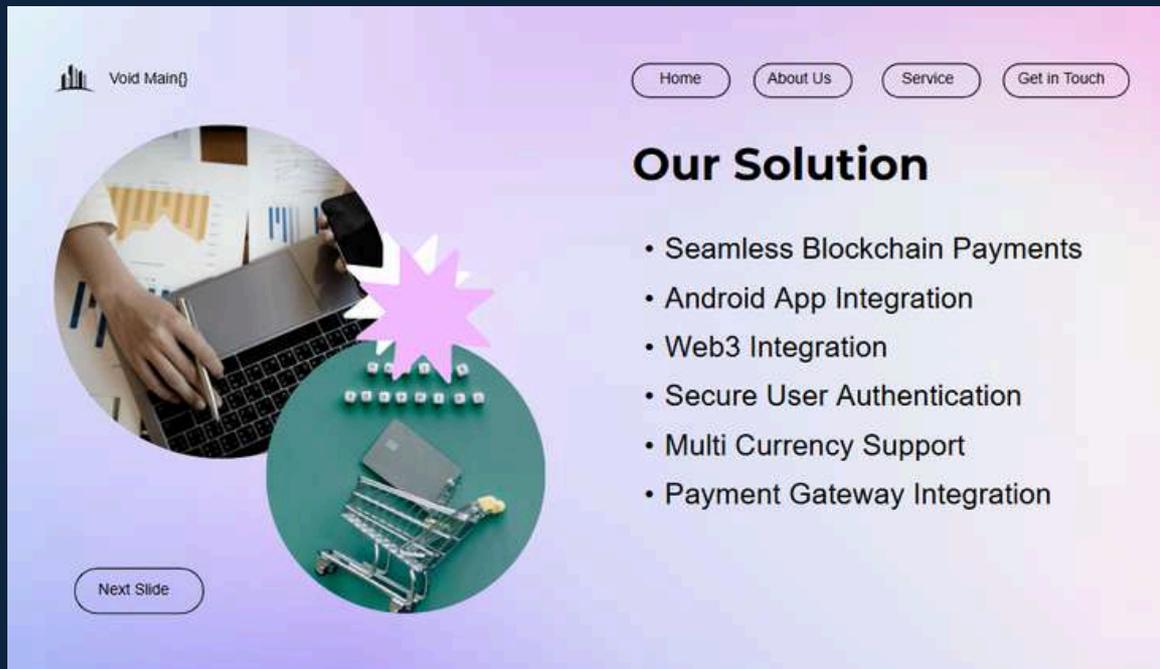
1. Foreign tourists in India often face challenges with cumbersome card transactions, currency exchange issues, and limited access to emergency services. The lack of access to the widely used Unified Payments Interface (UPI) further complicates their experience. Our project addresses these barriers by integrating UPI into a user-friendly mobile application specifically designed for foreign tourists.

Key Features:

**Seamless UPI Payments:** Enables secure, cashless payments, eliminating the need for physical currency and complex banking processes. **Real-Time Local Recommendations:** Provides personalized suggestions for attractions based on the tourist's location, enhancing their travel experience. **Emergency Service Connectivity:** Offers instant access to critical services, ensuring safety and prompt assistance during emergencies. **Price Transparency Tool:** Allows tourists to compare prices against government benchmarks, fostering trust and ensuring fair pricing.



# Annual Report IIC 6.0



2. Doc Dial:Healthcare today is full of challenges—long wait times, difficulty in scheduling, and limited access to quality care are just a few. On the provider side, managing resources and patient data securely can be a real headache. That’s where DocDial comes in. Our platform not only integrates patient management, telemedicine, and smart analytics, but it also brings different hospitals together under one unified system. We securely store electronic health records (EHR) using blockchain technology, ensuring that patient data is both accessible and protected. With DocDial, we’re simplifying healthcare, making it more efficient, and setting a new standard for the future.

# Annual Report IIC 6.0

### What is the problem you are solving?

- Current healthcare systems are fragmented, leading to inefficiencies and poor patient experiences.
- Healthcare providers struggle with resource allocation, administrative burdens, and managing patient data securely.
- Patients face long wait times, limited access to care, and inconsistent scheduling.



### What is the Unique Selling Point?

#### Advanced-Data Analytics

- Predictive Analytics: Machine learning predicts health outcomes and preventive measures.
- Operational Analytics: Optimizes scheduling and resource management.
- Population Health Management: Analyzes public health trends.

#### Telemedicine

- Video/Audio Consultations: High-quality virtual visits.
- Secure Data Exchange: Safe transfer of medical information through blockchain.
- Follow-up Tools: Streamlined processes for follow-ups and adherence.

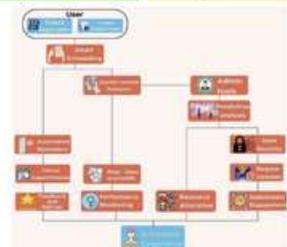
#### Patient Management

- EHR: Secure, accessible digital records.
- Appointment Scheduling: Easy booking, rescheduling, and cancellation.
- Patient Communication: Secure messaging and real-time notifications.

#### Personalized Patient Experience

- Health Tracking: Integration with wearable devices.
- Customized Health Plans: Personalized plans based on individual data.
- Educational Resources: Tailored health information and resources.

### Block Diagram



3. We have built a website which caters to children which special needs. We help them get the right and special education required by them to understand concepts better. If needed we also connect them to child psychologist to have a one to one interaction. The psychologist check their progress in our app and help them to better evaluate the child.



# Annual Report IIC 6.0

## Problem Statement

Education for Learning  
Disability students

Education is challenging for learning-disabled students due to difficulties in processing information, slower comprehension, and the need for specialized teaching methods, making standard educational environments less accessible and supportive.



4. The increasing global demand for sustainable energy solutions has prompted significant advancements in wind energy technology. Our project focuses on the development and prototyping of an innovative Vertical Axis Wind Turbine (VAWT) system, specifically designed for urban and off-grid environments. Unlike traditional Horizontal Axis Wind Turbines (HAWTs), VAWTs offer distinct advantages, including lower noise levels, better performance in turbulent wind conditions, and the ability to be integrated into existing urban infrastructure.

# Annual Report IIC 6.0



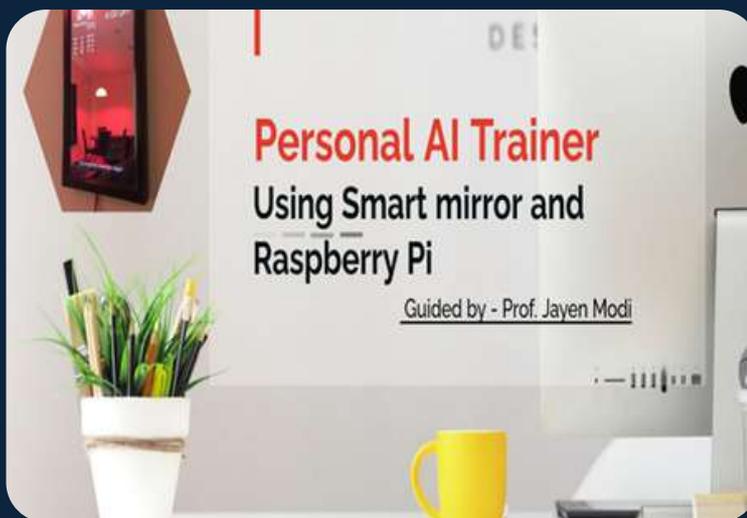
## REVOLUTIONIZING ENERGY: VERTICAL-AXIS WIND TURBINES (VAWT)

CLEAN, EFFICIENT ENERGY SOLUTION FOR URBAN AND RURAL AREAS

ADDRESSING LIMITATIONS OF SOLAR AND WIND FARMS

- NEEL KHOT
- RAHEL PEREIRA
- PRAKASH BISWAS
- SUSAN FERNANDES

5.



Smart Fitness Mirror – winner of Prakalp 2024

# Annual Report IIC 6.0

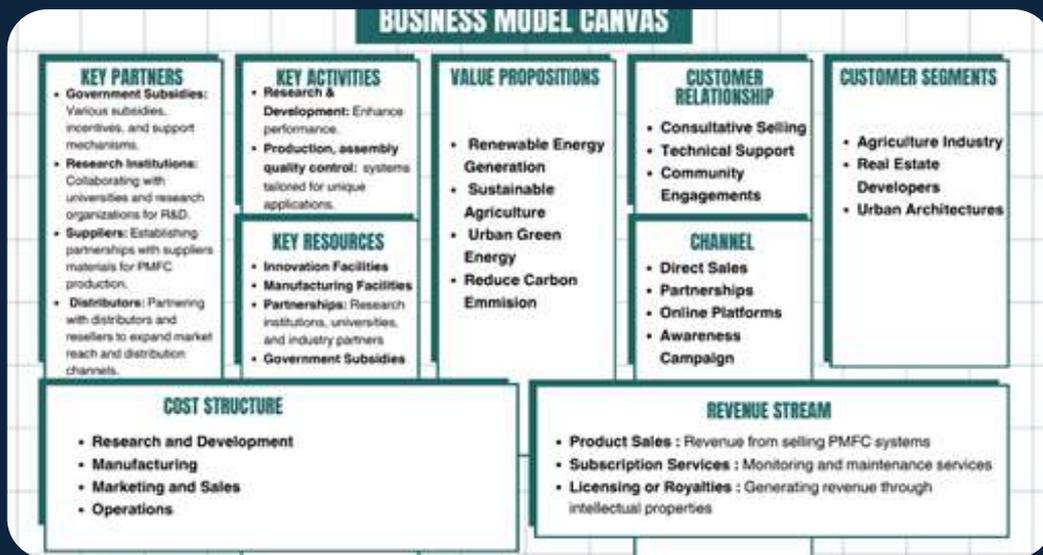


Smart Fitness Mirror – Innovision at Xavier Institute of Technology

6



# Annual Report IIC 6.0



7

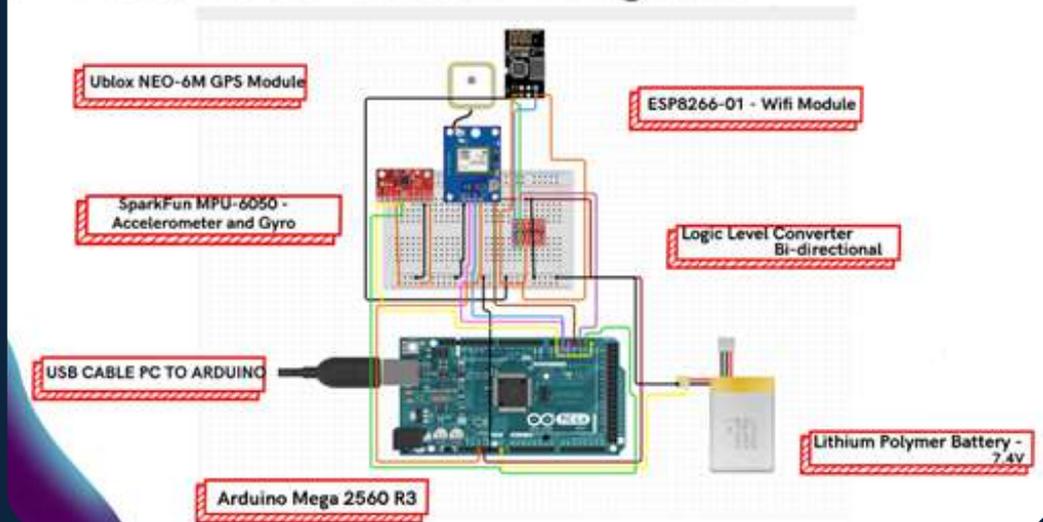
By

Samuel Dsouza	9889
Joshua Dmello	9886
Reuben Fernandes	9895
Leora Dias	9885

## BagTrack Pro

An IOT Based Luggage Tracker

## Circuito.io Circuit Diagram



# Annual Report IIC 6.0

## 8 Dockicraft:

Receiving hard copies of certificates and documents is very difficult for students as it is a very time consuming process because it consists of a lot of paperwork. Also, sometimes students are not able to come to college to get their certificates and documents due to several reasons.

To solve these problems, we propose a system which will provide hard copies as well as soft copies (soft copies only for bonafide) of documents after verifying the data of the student from the database. System consists of 3 main pillars - Offline system, Online system and Courier Service

“Won Award at GMRT Science Day – Arnav Chawathe , Prof. Vaibhav Godbole”



# Annual Report IIC 6.0

## 9 **Machine Learning Based Wages Increase Through Employee Performance Monitoring:**

Recent digitalization has brought about vast renewal in labor virtually in every sector of the economy during the past few decades.

It is currently the beginning of an even larger and faster change because of recent advancements in machine learning (ML), which can accelerate the pace of automation itself. Even though it is clearly visible that ML is a "general purpose technology", at par with the steam engine and electricity, which inspires several different innovations and capacities, there is little agreement on the projected consequences on the workforce and the economy.

This research determines each employee's salary increase at a particular organization based on several factors and the datasets that are available. To determine which machine learning algorithm is most apt and appropriate for the task, two machine learning algorithms are compared. The use of machine learning, a useful tool, is being made to facilitate and ease the work of business management systems.

# Annual Report IIC 6.0

## 10 Tree Transparency:

The proposed platform has several unique and distinctive features that set it apart from traditional tree planting initiatives. The platform emphasizes the importance of proper monitoring and evaluation of the trees planted, which is often overlooked in traditional tree planting initiatives. To monitor the growth of trees based on a reward system.

Analysis of trees planted with the help of geotag, sensors and image detection. It promotes transparency and accountability by enabling NGOs and government bodies to track the growth and lifespan of each tree planted, as well as the usage of funds using Blockchain. Transparent adoption of trees. Our proposed platform for planting and monitoring trees stands out due to its focus on transparency, citizen involvement, and data-driven decision-making.

NGOs and government bodies can transfer funds and track tree growth, ensuring accountability and effective use of funds. Citizen volunteers monitor trees and receive rewards, promoting community involvement and proper care. Data collected is used to make informed decisions on future planting and care initiatives. Sustainability-focused: Our platform is focused on ensuring the long-term survival of trees planted. By preventing premature death, we can contribute to a healthier environment and a more sustainable future.

“The above Project Team has Participated in Yukti Innovation Challenge”

# Annual Report IIC 6.0

## 11 Automatic Electric Vehicle Charging Station Achievements:

- Achieved First place in PRAKALP 2023 (Hardware) category held on 10th March 2023 organized by CRCE, Mumbai
- Selected for round 3 of SPIT innovation cup and shortlisted in top 12 among 140 teams. The team was awarded amount 5000/- as a sponsorship.
- Successfully completed Evaluation in Innovation Cup 23 AICTE- SPICES and AICTE IDEA lab sponsored event conducted on 8th April 2023 by IEEE- WIE, SPIT , Mumbai.



# Annual Report IIC 6.0

12 **Meta Store** - Shop Virtualizer Although e-commerce is a very old term, it remained a luxury in India for a long time until Reliance launched Jio. It had a very big role to provide internet to everyone in India in turn promoting online shopping. The introduction to cash on delivery and 30 day return policy gave confidence to the young Indian adopters. In today's global economy, advanced technology plays an important role in the fashion retail industry. With advances in technology like Augmented Reality, retailers can offer customers the ability to try on clothing virtually. Our project acts as an intermediary step to combine offline and online shopping. This is the crux to the idea of virtual shops. It gives the users the security of offline shopping with the modern and slick experience of online shopping.

The purpose of metastore is to fill in the gap existing between online and offline shopping. The shopkeeper can click pictures of the apparel in the given format and then develop materials and textures for the 3D model. The user can then virtually try different apparel on the web app.

## Objectives:

- To develop a web application to virtualize the store catalog.
- To build a convolutional neural network to convert apparel images to 3D Models.
- To try the different apparel on a 3D human model.
- To view the created outfits in Augmented Reality

Published Indian patent.

Application Number: 202321018653

Date of filing: 19/03/2023

Publication date: 14/04/2023

# Annual Report IIC 6.0

H. Highlight selected start-ups established by students/faculties with mention of founder/cofounder name

## **Selected Innovations : TRL level 3-4**

1. Asthagraha – Santo Sunny, Prof. Swati Ringe TRL Level 9
2. Nicevibes.co – AI-Driven Employee wellness program TRL Level 9  
Aryan Khyatam
3. ArBOR Track-Prof. Monali Shetty, Vijay Prajapati, Deon, Ryan  
TRL Level 8-9
4. Organ Donation and Transplantation- Sahil Bodhke, Prof. Kranti Wagle TRL level 3-4
5. Coconut Harvester – Arnav Chawathe , Prof. Vaibhav Godbole  
TRL level 3-4
6. Mediblock: A One stop Destination for Interoperability between Patients and Doctors - Ishaan Loomba, Prof. Swati Ringe TRL level 4-

# Annual Report IIC 6.0

Sr. No	Title of the Project	Mentor Name	Abstract(Short Description)
1	Car Customization Tool powered by the GEN-AI model LLAMA-2	Prof.Sujatha Deshmukh	 <p>Mumbai-Hacks Winter Edition-2024</p>
2	Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus	Prof.Monali Shetty	<p>This research aims to identify whether the area is deforested or non-deforested over 36 districts of Maharashtra. The study utilizes 10-meter land use/land cover satellite images obtained from ESRI Sentinel-2 for detecting deforestation. The images over the distinct periods 2017-2019, 2018-2021, 2020-2022, and subsequent periods are considered. To detect changes between two input images, the study employs a deep learning-based Siamese network and utilizes AdaBoost, an ensemble learning technique, for binary classification of multiple geospatial features. The study acknowledges the limitation of satellite imagery for characterizing deforested areas. It incorporates additional geospatial factors such as river erosion, proximity to road infrastructure, elevation parameters, forest fire, and ongoing construction tasks. By assessing these factors, the study determines the deforestation status of a specific area. The algorithms used in the study classify areas as either forested or deforested based on the changes in the relevant features among the input. If there is a reduction in the relevant feature, the area is categorized as the 'decreased class.' Conversely, if there is no change or an increase, the area is classified as the 'similar or increased class'. In conclusion, this study's relevance lies in preserving the forested area by providing urgent action to safeguard nature and contribute to the sustainable development and environmental well-being of Maharashtra.</p>

# Annual Report IIC 6.0

Sr. No	Title of the Project	Mentor Name	Abstract(Short Description)
			
3	Collaborative Subscription Sharing Platform	Prof.Monali Shetty	<p>Managing multiple subscriptions just got easier! Our innovative app, inShare, not only facilitates subscription sharing but also helps optimize your budget and manage subscriptions efficiently.</p>
4	AI Powered Legal Documentation Assistant	---	<p>The objective of this problem statement is to develop an AI-powered solution that can simplify legal documentation for individuals and small businesses in India, by automatically drafting legal documents in plain language and using easy-to-understand terms. The objective of this problem statement is to develop an AI-powered solution that can simplify legal documentation for individuals and small businesses in India, by automatically drafting legal documents in plain language and using easy-to-understand terms.</p>  

# Annual Report IIC 6.0

Sr. No	Title of the Project	Mentor Name	Abstract(Short Description)
5	Land Profiling of Asset Creation Process	Prof Supriya Kamoji	<p>In the realm of asset creation and land profiling, various technologies and tools are leveraged to ensure precision and efficiency. This includes the creation of 3D wireframe volumetric models, comparing these models for analysis, estimating work requirements, and utilising platforms like Firebase Storage and Firestore Database for data management. Additionally, the integration of Django and the use of drones play pivotal roles in streamlining this process. We will be capturing video of the target for the 3D model from this the end users (i.e the site engineer) can measure the dimensions from the 3D model . Also we can compare 3d models on a timely basis and get the work done percentage based on the volume of the model.</p>
6	Compilation and Collection of optimum Level (variable) of data set from the Chemical and Petrochemical Industries in the country.	Prof.Hemant Khanolkar	<p>Compilation and Collection of optimum Level (variable) of data set from the Chemical and Petrochemical Industries in the country, aiming to smoothen the decision-making and insight generation in the strategic initiative.</p> <p>The chemical and petrochemical industries generate a vast amount of data, but its availability and organization vary across companies. A solution is needed to compile and collect an optimum level of data sets. Key aspects include data standardization, efficient data collection, optimum data selection, data analysis, and data privacy and security. The solution should standardize data formats, facilitate data collection, and ensure data quality.</p>

# Annual Report IIC 6.0

Sr. No	Title of the Project	Mentor Name	Abstract(Short Description)
			<p>It should also implement analytical tools to identify trends and correlations, facilitating strategic decision-making. The solution should prioritize data anonymization, encryption, access controls, and audit trails to protect sensitive information. This will streamline data compilation and collection processes, promote data-driven decision-making, and drive industry growth, sustainability, and innovation.</p> 
7	Speech to Speech Mental Health Assistant Using Machine Learning	Prof.Archana Lopes	<p>This project presents a speech-to-speech mental health assistant utilizing advanced machine learning techniques, designed to provide accessible mental health support in Hindi. By integrating automatic speech recognition (ASR) technology and natural language processing (NLP), the system enables users to engage in personalized counselling sessions.</p>

# Annual Report IIC 6.0

Sr. No	Title of the Project	Mentor Name	Abstract(Short Description)
			<p>Users can express their thoughts through speech, which is then transcribed, translated, and processed to generate context-aware responses. The system aims to ensure inclusivity by addressing the needs of non-English speakers, offering empathetic guidance, and self-reflection.</p>  <p>Secured Third Place at National Level Project competition PRAKALP 2023 organized by FrCRCE on 16th April 2023</p>
8	Intelligent Interior Design Companion	Dr. Sujata Deshmukh	 <p>To create an intelligent Conversational AI platform that allows users to effortlessly plan and visualize their dream spaces.</p>  <p><b>TSEC HACKATHON</b></p>

# Annual Report IIC 6.0

## **A. Participation of IIC-institute in various programs of Central and State Govt. Highlighting specially for the schemes or programs**

ARIIA – Participation

IA – Faculty Participation (40)

NISP Adoption status – Joined the campaign

o Trained Faculty- Yes

o Policy Formulation – Done and Approved.

o Policy Implementation – Action Plan Prepared and On-going

YUKTI – Number of Ideas submitted – 50+

SIH 2023 HACKATHON PARTICIPATION, AICTE

PARTICIPATION IN INNOVATION DESIGN ENTREPRENEURSHIP (IDE) BOOTCAMP

IIC REGIONAL MEET PARTICIPATION – Poster Presentation and Two Ideas Demo Exhibition

ATL LINKAGES-

ACCEPTED 64478345 -HANSRAJ MORARJI PUBLIC SCHOOL AND JUNIOR COLLEGE

### **AWAITING 65147458 -VIDYANIDHI V.P. HIGH SCHOOL**

TINKERING LAB is a platform where creative and enthusiastic students from all the departments of the institute can try out their ideas with experimentation with the goal of making designs, prototypes, and products. During the entire process of tinkering in the lab, students will learn the process of problem-solving, designing, prototyping, product development, product testing, and marketing. Since students from different departments are joining the tinkering lab, it acts as a facility where the exchange of ideas from different domains takes place.

**YT Video Link:** [CLICK HERE](#) 

# Annual Report IIC 6.0

## TINKERING LAB:



# Annual Report IIC 6.0



## **1) TINKERING LAB ACTIVITY AT SCHOOL HANSRAJ MORAJ PUBLIC SCHOOL MUMBAI ON 9th Feb 2024:**

CSI council along with their Mentor Prof. Ashwini Pansare successfully conducted second Atal Tinkering Lab Activity for IIC CRCE, at HMPS Andheri West. The primary objective of the session was to introduce students to the concept of AI, its applications in various fields, and specifically its utility in aiding their academic projects and presentations with the help of AI tools. It was conducted for students of Std 11 of computer science and IT dept

## **2) TINKERING LAB ACTIVITY AT SCHOOL NIKUNJ**

**YT Video Link:** [CLICK HERE](#) ✨

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PREINCUBATION UNIT:



CHANDRAYAAN MAHOTSAV  
(4TH SEPTEMBER, 2023)



YT Video Link: [CLICK HERE](#) ✨

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TEAMS/COUNCILS FELICITATED AT ANNUAL FUNCTION AS PER NISP



TEAMS  
Mumbai University



# Annual Report IIC 6.0

INTERNAL SMART INDIA HACKATHON(55 TEAMS) 16TH  
SEPTEMBER 2023



The banner features logos for G20 India 2023, Ministry of Education, MoE's Innovation Cell, and the 75th anniversary of India's independence. It includes the SIH 2023 logo, the Institution's Innovation Council logo, and the logo of Fr. Conceicao Rodrigues College of Engineering. The central text reads 'INTERNAL INSTITUTE LEVEL HACKATHON' and '16th September 2023 09:00 AM onwards'. The location is 'FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING BANDSTAND, BANDRA (WEST)'.



Mumbai, Maharashtra, India  
Fr Conceicao Rodrigues College of Engineering, Mount Mary, Bandra West, Mumbai,  
Maharashtra 400050, India  
Lat 19.044547°  
Long 72.82037°  
16/09/23 11:41 AM GMT +05:30

Google

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## SMART INDIA HACKATHON 2023



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AICTE - MIC PARTICIPATION IN INNOVATION DESIGN  
ENTREPRENEURSHIP (IDE) BOOTCAMP



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AICTE MIC IDE BOOT CAMP (PHASE - II) || VARDHAMAN COLLEGE OF ENGINEERING, HYDERABAD  
(29 January 2024 to 02 February 2024)

## PITCHING RESULT

02-Feb-24

Position	Team Name	Name of the College
FIRST	Femla Core	National Institute of technology Tiruchirappalli, Tamil Nadu, Tiruchirappalli
SECOND	Eco Energy Experts	S.R.K.R Engineering college, Andhra Pradesh, Bhimavaram
THIRD	AR Plan Craft	Stanley College of Engineering and Technology for Women, Talangana, Hyderabad
FOURTH	Diamond Shine	KKR & KSR Institute of Technology and Sciences, Andhra Pradesh, Quntur
FIFTH	Limb savers	Ramachandha College of Engineering, Andhra Pradesh, Eluru
	ZenithZest	Fr Conceicao Rodrigues College of Engineering, Maharashtra, Mumbai

Sd/-  
NODAL CENTER SPOC  
Dr J Krishna Chaitanya,  
Vardhaman College of Engineering,  
Hyderabad - 501 218

Sd/-  
KNOWLEDGE PARTNER & NODAL OFFICER  
Naved Ahmed Ansari, Wadhvani Foundation

Sd/-  
NODAL CENTER HEAD  
Ms Shivani Sharma, AICTE, New Delhi

# Annual Report IIC 6.0

**INNOVATION, DESIGN AND ENTREPRENEURSHIP (IDE) BOOTCAMP (PHASE - II)**  
(Design Week Celebration)

AICTE MIC IDE BOOT CAMP (PHASE - II) || VARDHAMAN COLLEGE OF ENGINEERING, HYDERABAD  
(29 January 2024 to 02 February 2024)  
PITCHING RESULT

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FIFTH	Limb savers	Ramachandra College of Engineering, Andhra Pradesh, Eluru
	ZenithZest	Fr Conceicao Rodrigues College of Engineering, Maharashtra, Mumbai

Sd/-  
NODAL CENTER SPOC

Sd/-  
KNOWLEDGE PARTNER & NODAL OFFICER



Dr. Surendra Rathod received  
“INDUSTRY ACADEMIA COMMUNITY EXCELLENCE AWARD”

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Dr. Sapna Prabhu Received World Education Congress  
EDUTECH LEADERSHIP AWARD



PARTICIPATION AT IIC REGIONAL MEET

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[IIC YT Video Link:](#)

[CLICK HERE](#) ✨



Yukti Team 1 Participating at Regional Meet

# Annual Report IIC 6.0



**IIC YT Video Link:** [CLICK HERE](#) ✨

Yukti Team 2 Participating at Regional Meet



MoE's  
INNOVATION CELL  
(GOVERNMENT OF INDIA)



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of Education Initiatives)



## YUKTI Innovation Challenge 2023

List of Innovations eligible for grant assistance from AICTE/MIC

S.No	IR No	Innovation Title	Team Lead	State	Grant Amount
77	IR2023-831042	HEAD MOVEMENT AND VOICE CONTROLLED WHEELCHAIR FOR QUADRIPLEGIC PATIENTS	DR SUMIT SINGH PHUKELA	Haryana	₹ 4,00,000.00
78	IR2022-773491	Withanolide A - a potent inhibitor of mitochondrial HSP90 of Hepatocellular Carcinoma (HCC)	Dr. P.K.Praveen Kumar	Tamil Nadu	₹ 5,00,000.00
79	IR2023-865167	HAND GESTURE CONTROLLED PHYSICAL AND DIGITAL TWIN OF ROBOTIC ARM	Ojas Jain	Andhra Pradesh	₹ 6,00,000.00
80	IR2024-896565	ROCKVED - A Gamified Approach to Vedic Mathematics and ISRO	Pranav V	Karnataka	₹ 6,00,000.00
81	IR2024-896584	Vani- Speech and sound interventioapp	Saniyaa B Shetty	Andhra Pradesh	₹ 6,00,000.00
82	IR2022-782362	AsthaGraha Educational Space Game	Santo Sunny	Maharashtra	₹ 6,00,000.00
83	IR2022-800075	Fabrication of electronic kit using spectrophotometric method to detect contaminants in Oils such as olive oil and vegetable oil	shaik kareem ahmmad	Telangana	₹ 5,00,000.00

Yukti Participating Team 2 Received a Fund of Rs 6 Lakh from AICTE -MIC

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## Other Achievements



### **Aryan Kyatham**

- TIAA AI Retire-Hackathon winner (National Level)
- Aeravat SPIT Hackathon winner (National Level)
- GDSC BitnBuild winner (International Level)
- SunHacks winner (International Level)
- Google Cloud GenAI top 10 (APAC region)
- Crescendo, Prakalp winner, Buildspace S5
- Got into Build3 startup accelerator in Goa and secured 25 lakhs funding
- AI & DS branch Topper 2x

# Annual Report IIC 6.0



Aryan Khatam, Sharvin Gavad, Neston and Myron secured first rank at national hackathon “Aeravat” at SPIT in March 2024 and first rank at national hackathon “Matrix” at Fr.CRCE in Feb 2024



Rishabh Pathak, Pritesh Kunder and Sahil Khan secured second position at Hackathon “Syntechxathon” organized by Rishi Dayaramseth Hassaram National Science College in Feb 2024 and also 2nd place at HackMania held at Atharv College of Engineering

# Annual Report IIC 6.0



SHARK TANK WINNERS AT FR.CRCE



# Annual Report IIC 6.0



#### TEAM MEMBERS:

VANSH THAKKAR (TE COMPS A)  
PUNIT GAYALI (AI & DS)  
SHUBHAM SHANBHAG (ECS)  
ASHWIN SHUKLA (ECS)

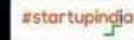


## Congratulations!!

**FINALISTS  
AT PRODUCTATHON AI HACKATHON  
IIT ROORKEE**



# Annual Report IIC 6.0



## CERTIFICATE OF ACHIEVEMENT

This is to certify that

**PUNIT GAVALI**

Has bagged **Finalist** position in the **Productathon AI** held from 2nd-4th February 2024, during the Annual Entrepreneurship Summit of **IIT Roorkee, E-Summit'24**

**Prithvi Raj Chauhan**

Convener  
(E-Summit'24 IIT Roorkee)

**Vivek Malik**

ADII, IIT Roorkee  
Faculty Advisor  
(E-Summit'24 IIT Roorkee)



# Annual Report IIC 6.0



# Annual Report IIC 6.0



# Annual Report IIC 6.0



# Annual Report IIC 6.0



## A. Detail of Social Media & Connections of IIC institute

IIC-CRCE Instagram Link:

[CLICK HERE](#) 

IIC-CRCE Twitter:

[CLICK HERE](#)

IIC Facebook Link:

[CLICK HERE](#) 

College website:

[CLICK HERE](#) 

YouTube Channel:

[CLICK HERE](#) 

# Annual Report IIC 6.0

INNOVATION AMBASSADOR TRAINING(8 FACULTY COMPLETED  
IN THE YEAR 2023-2024) ( Till date 40)



# Annual Report IIC 6.0

Testimonials from IIC members and external about IIC institute and IIC of MoE's Innovation Cell



My tenure as the Technical Secretary of the Institution's Innovation Council (IIC) at Fr. CRCE has been one of the most rewarding experiences of my academic career. IIC stands as a testament to the power of collaboration and innovation, consistently driving forward the boundaries of what's possible in technology and entrepreneurship.

The council's commitment to nurturing talent through a wide array of events, from thought-provoking workshops to intense hackathons, has not only honed my technical abilities but also strengthened my leadership skills. IIC is more than just a platform for innovation, it is a community where ideas are nurtured, and creativity is celebrated.

In my role, I was fortunate to contribute to and lead initiatives that challenged our thinking and pushed us to develop solutions to real-world problems. The experience of working closely with a dedicated team of students and mentors has been invaluable, teaching me the importance of teamwork, perseverance, and adaptability.

The support and guidance from our faculty members have been instrumental in our success, and I am grateful for the trust and responsibility placed in me.

Special Thanks to our Respected Principal Sir Dr Surendra Singh Rathod, Prof Kranti Wagle and Prof Swati Ringe for always guiding and mentoring us throughout this journey .

IIC at Fr. CRCE is truly a hub for aspiring innovators, and I am proud to have played a part in its journey toward excellence.

Vignesh Kombathula.  
Technical Secretary 2023-24.

A handwritten signature in blue ink, appearing to read 'Vignesh Kombathula', written over a white rectangular background.

# Annual Report IIC 6.0



*Serving as a student coordinator for IIC FrCRCE was an immensely rewarding experience. I had the opportunity to play a key role in documenting and sharing the vibrant array of events hosted by our college. This role enhanced my organizational skills and showcased the institute's commitment to fostering innovation.*

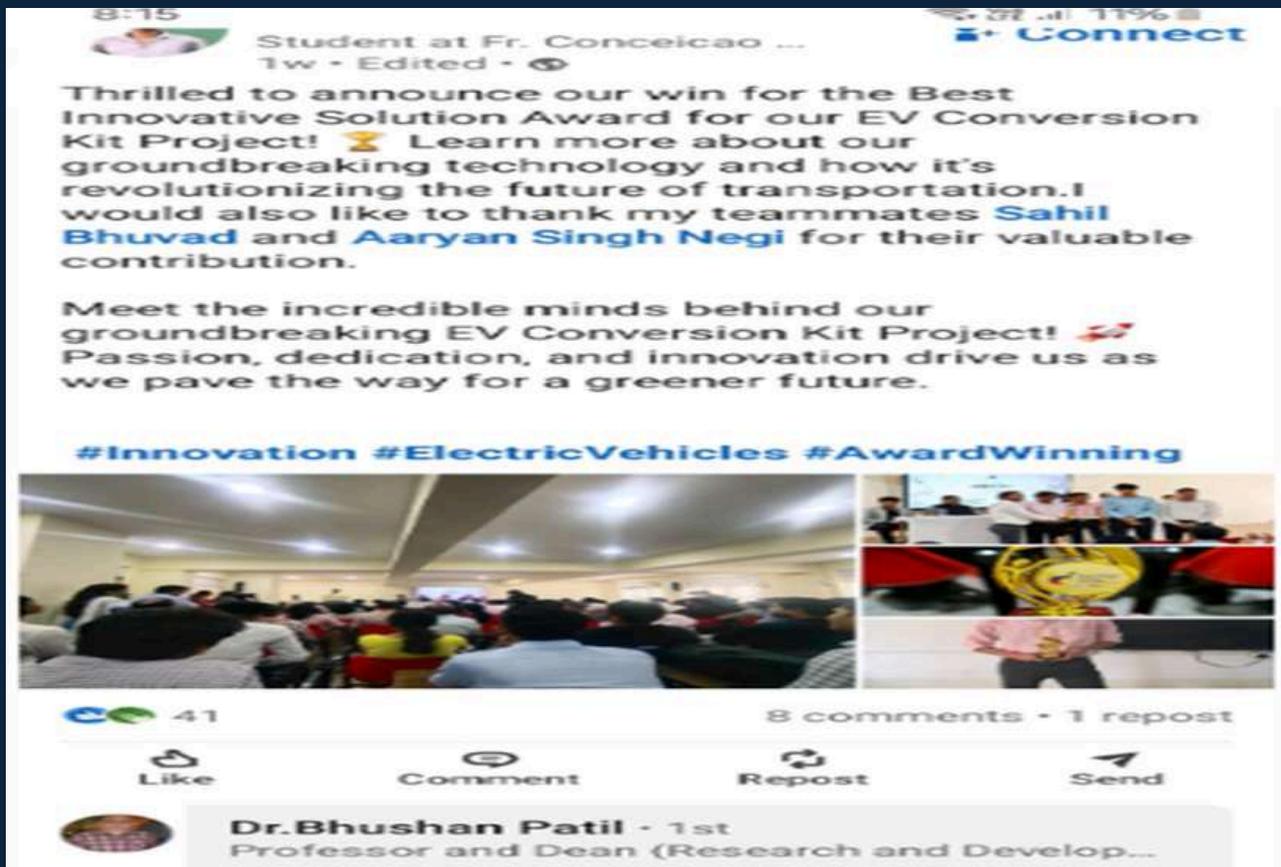
*The Institution's Innovation Council provides robust support for startups and innovative projects, offering valuable resources and mentorship to aspiring entrepreneurs. Their initiatives and events create a dynamic environment where creativity is nurtured and new ideas can flourish. Working with the Council allowed me to see firsthand their impactful role in driving forward-thinking projects and empowering students to explore and develop their entrepreneurial aspirations.*

*My heartfelt appreciation goes out to Prof. Kranti Wagle and Prof. Swati Ringe for their constant support and guidance. It was an honor to contribute to the Council and support their vision through my role.*

A handwritten signature in blue ink that reads "REANNE".

*Reanne Deosta  
Student Coordinator*

# Annual Report IIC 6.0



Video Testimonial by Higher Authority: Dr. Surendra Rathod – Head of the Institute

[CLICK HERE \\*](#)

Dr. Deepak Bhoir – ARIIA coordinator

[CLICK HERE \\*](#)

Prof. Kranti Wagle  
Convener IIC –Fr.CRCE

## Annual Report 2023-2024 IIC- FrCRCE

### A. About IIC Institute

#### ● Vision of IIC established at the Institute

“Moulding Engineers Who Can Build The Nation”

#### ● Mission of IIC established at the Institute

To Facilitate a platform for innovative minds to transform their ideas into viable business propositions to start a business venture.

#### Journey of IIC established at the Institute

IIC-FrCRCE is established in November 2018 with objectives to create a vibrant local innovation ecosystem to develop innovative mindset and nurture the innovative ideas of technology students by providing support for start-up mechanism.

The IIC-FrCRCE initiated various innovation, start-up, entrepreneurship related **activities** such as Workshops, Boot Camps online, Seminars, Hackathons, Mini Challenges, success stories and interactions with professionals, Alumni Entrepreneurs in the institute. The main events are **Idea Competition, PoC Competition, Business Model Canvas and Demo Day**. IIC celebrated most of the **celebration** activities announced by MOE. The top three teams of Idea Competition are felicitated during the annual function with **best innovation prize**. The student cells organizing startup and innovation activities enthusiastically are awarded with **Innovation Trophy**. The IIC president and NISP coordinator have conducted session on innovation and creativity for First Year students **Induction Program**. Nominated Faculty of CRCE representing all departments has completed Basic Level and Advanced Level **IA Training**. These faculty proactively mentored students by conducting session in different domains required to build a startup.

In continuation with IIC activities, our Institute has joined the Campaign of implementing National Innovation and Startup Policy (**NISP**) in Higher Educational Institutions (HEI) initiated by MoE Innovation Cell in June 2020. We have successfully completed the policy formulation and in the Policy implementation stage. The action plan is prepared. NISP awareness session is conducted by NISP coordinator Prof. Swati Ringe to motivate and understand the faculty and students on 6<sup>th</sup> January 2021. NISP dedicated web page is created on the college website for reference.



Year (2019-2020)- 4.5 Stars



Year (2018-2019) - 4 Stars



Year (2020-2021)- 4 Stars



**Year 2021-2022- 4 Stars**

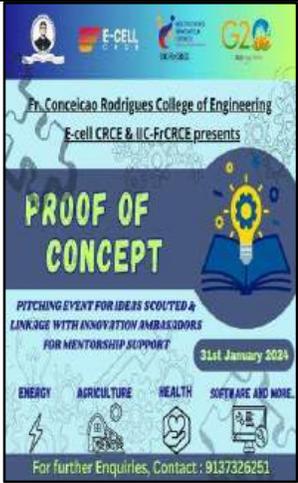
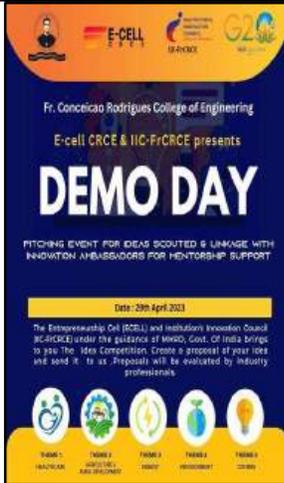


**Year 2022-2023- 3.5 Stars**

### Year 2023-2024- IIC-FrCRCE Activities snapshot



**IDEA COMPETITION IN 4 PHASES**

IDEA COMPETITION	POC COMPETITION	BUSINESS_MODEL_CANV AS	DEMO DAY
 <p><b>IDEA COMPETITION</b> PHASE 1: PROJECT IDEA SUBMISSION LAST DATE: 10TH AUGUST, 2023 9137326251</p> <p>DOMAINS: Health Agriculture Energy Software and more.</p> <p>Register Now!</p>	 <p><b>PROOF OF CONCEPT</b> PITCHING EVENT FOR IDEAS SCOUTED &amp; LINKAGE WITH INNOVATION AMBASSADORS FOR MENTORSHIP SUPPORT 31st January 2024</p> <p>ENERGY AGRICULTURE HEALTH SOFTWARE AND MORE.</p> <p>For further Enquiries, Contact: 9137326251</p>	 <p><b>BUSINESS MODEL CANVAS</b> IDEA COMPETITION PHASE - 3 5 - APRIL - 2024</p> <p>ENERGY SOFTWARE AGRICULTURE HEALTH</p> <p>+91 - 9137326251</p>	 <p><b>DEMO DAY</b> PITCHING EVENT FOR IDEAS SCOUTED &amp; LINKAGE WITH INNOVATION AMBASSADORS FOR MENTORSHIP SUPPORT Date: 29th April 2023</p> <p>THE ENTREPRENEURSHIP CELL (ECC) AND INSTITUTION'S INNOVATION COUNCIL (IIC-FrCRCE) UNDER THE GUIDANCE OF WIKCO, Govt. Of India BRINGS TO YOU THE 'IDEA COMPETITION'. CREATE A PROPOSAL OF YOUR IDEA AND SEND IT TO US. PROPOSALS WILL BE EVALUATED BY INDUSTRY PROFESSIONALS.</p> <p>TEAM 1: HEALTH TEAM 2: AGRICULTURE TEAM 3: ENERGY TEAM 4: SOFTWARE</p>

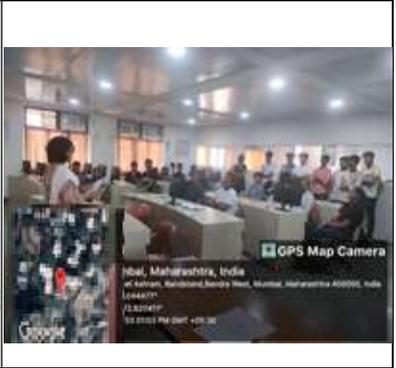
**SIH Students Mentors-Internal SIH**



**Idea Competition Mentoring**



**Meetings**



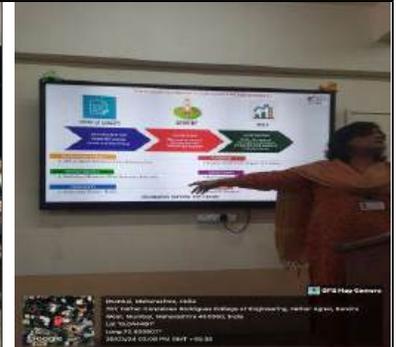
**Incubation Visit at SPTBI**



**Women's Day Celebration**



**IIC Sessions**





**Outreach Program in School- Tinkering Lab**  
AI Tools and Technologies Innovations with Drone and UAV  
1) Hansraj Moraji Public School  
2) Fr. Agnel Ashram Technical School Bandra

**Incubation Visit at VJTI on 19 April 2024**



**SharkTank Activity**



**BitnBuild-International level Hackathon**



**TECHNICAL FESTIVAL EVENTS CRECENDO,HACKATHON,MECHATHON,ELEXATHON**

**CHANDRAYAAN MAHOTSAV**



**National Startup Day**



**Prakalp-Project Competition**



**Felicitation of Innovators and Contributors of IIC - Annual Day**

<b>BEST TECHNICAL EVENT AWARD – BitnBuild international level hackathon</b>	<b>BEST COUNCIL AWARD- Who organized I&amp;E Events</b>	<b>BEST STUDENT COORDINATOR AWARD</b>	<b>ATAL TINKERING LAB activities</b>
			

**TOP 3 BEST INNOVATIVE SOLUTION AWARDS - Idea Competition 23-24**

<b>Mechanum Wheel Car Manufacturing</b>	<b>EV Conversion kit</b>	<b>Personal AI Trainer using smart Mirror and Rasberry-Pi</b>
		

## Innovation Ambassador Mentoring for Students – Making IIC-FrCRCE Atmanirbhar




● **Diversified representation in the IIC established at the institute from industry, Interdisciplinary & Departments/ Units etc.**

The Institute have four departments: Mechanical, Electronics and Computer Science (ECS), Computer Engineering and Artificial Intelligence and Data Science.

Institution's Innovation Council Composition (Academic Year – 23-24)

Position	Designation	No.	Name
President	Principal	1	Dr. Surendra Singh Rathod (ECS)
Vice President	Assistant Professor	1	Prof. Ashwini Pansare (Comps)
Convener	Assistant Professor	1	Prof. Kranti Wagle (Comps)
NISP Coordinator	Assistant Professor	1	Prof. Swati Ringe (AI&DS)
Innovation Activity Coordinator	Assistant Professor	1	Prof. Dipali Koshti (ECS)
Startup Activity Coordinator	Assistant Professor	2	Dr. V. S. Jorapur (Mech), Prof. Prachi Patil (Comps)
Internship Activity Coordinator	Assistant Professor	1	Prof. Unik Lokhande (Comps)
IPR Activity Coordinator	Professor and Dean R&D	2	Dr. Ketaki Joshi (Mech), Prof. Garima Tripathi (AI&DS)
Social Media Coordinator	Assistant Professor	1	Prof. Jayen Modi (ECS)
ARIIA Coordinator	Professor	1	Dr. D.V Bhoir (ECS)
NIRF Coordinator	Assistant Professor	1	Prof. Supriya Kamoji (Comps)
E-Cell in-charge	Assistant Professor	1	Prof. Prajкта Bhangale (ECS)
Member- Collaborations	Assistant Professor	1	Prof. Swapnali Mahadik (AI&DS)
Tinkering Lab	Assistant Professor	2	Prof. Saurabh Kulkarni (AI&DS), Prof. V. Godbole (ECS)
Network Enabler	Training and Placement	1	Mr. Mahesh Sharma
Innovation Coordinator (Student)	Student Coordinator	1	Samuel Roy (Comps)
Startup Coordinator (Student)	Student Coordinator	1	Durgesh Yewale (Comps)
IPR Coordinator	Student Coordinator	1	Divyal Patil (AI&DS)
Social Media Coordinator	Student Coordinator	1	Grace Zavier Antony (AI&DS)
Internship Coordinator	Student Coordinator	1	Emmanuel Gudinho (Comps)
Representative from nearby Incubation Centre	Member	1	Prof. K. T. Talele, SPTBI, Mumbai
Representatives of SIDBI / NABARD / Lead Bank / Investor	Member	1	Sr. Manager, Union Bank, Hill Road Bandra-west
Technical Experts from nearby Industry	Member	1	Mr. Govind Gaundalkar, Microdevice Tech
Alumni Entrepreneurs	Member	1	Mr. Ayush Jain, UthopiaTech



Students from the host institution FROM COMPUTER, AI&DS, ELECTRONICS AND COMPUTER SCIENCE (ECS), MECHANICAL DEPARTMENTS	Council in-Charge Student From <b>all departments</b>	19	Alex Raj, Jonathan Dabre, Krishna soni, Blaise Gonsalves, Dhruv Pednekar, Shreya Sahay, Arnav Pandita, Crystal Fernandes, Shahbaz khan, Yash Waghmare, Lloyd Louis, Aaron Furtado, Chavarattil Shivprasad Premarajan, Shalaka Vengurlekar, Aditya Verma, Piyush Jogale, Aditya Dhikale, Rohit Aabasaheb Khambe, Sanika Rozario,
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**B. Brief mention of key functionaries at the IIC Institute**

President	Main Point of Contact with MHRD Innovation Cell (MIC). To constitute the IIC council, Plan Quarterly Council Meeting To ensure the effective implementation of IIC activities.
Vice President	To ensure the effective implementation of IIC activities.
Convenor	To work in coordination with IIC president and To provide help for smooth conduction of activities.
Innovation activity coordinator	To promote innovation related activities in the institute
Start-up activity coordinator	To boost start up generation and perform related activities.
Internship coordinator	To arrange student internships in start-ups.
IPR activity coordinator	To promote IPR awareness and conduct related activities.
Social Media Coordinator	To create and manage IIC page/account on Facebook, Twitter and YouTube and Instagram
ARIIA Coordinator	Coordinate for ARIIA related activities
NIRF coordinator	Coordinate for NIRF related activities.

**C. Portfolio/graphical/Tabular representation of Resource strength (human +capital and Physical capital) of the IIC institution**

Total No. of IIC Members	<b>27</b>
Total No. of Innovation Ambassadors	29(basic level) + 11(Advanced level) = 40
Total No. of faculty Mentors From Portal	<b>11</b>
Pre-Incubation Units, If any	<b>Yes</b>
Incubation Units, If any	<b>Work is in Progress</b>
IP Facilitation Unit, If any	<b>Yes</b>

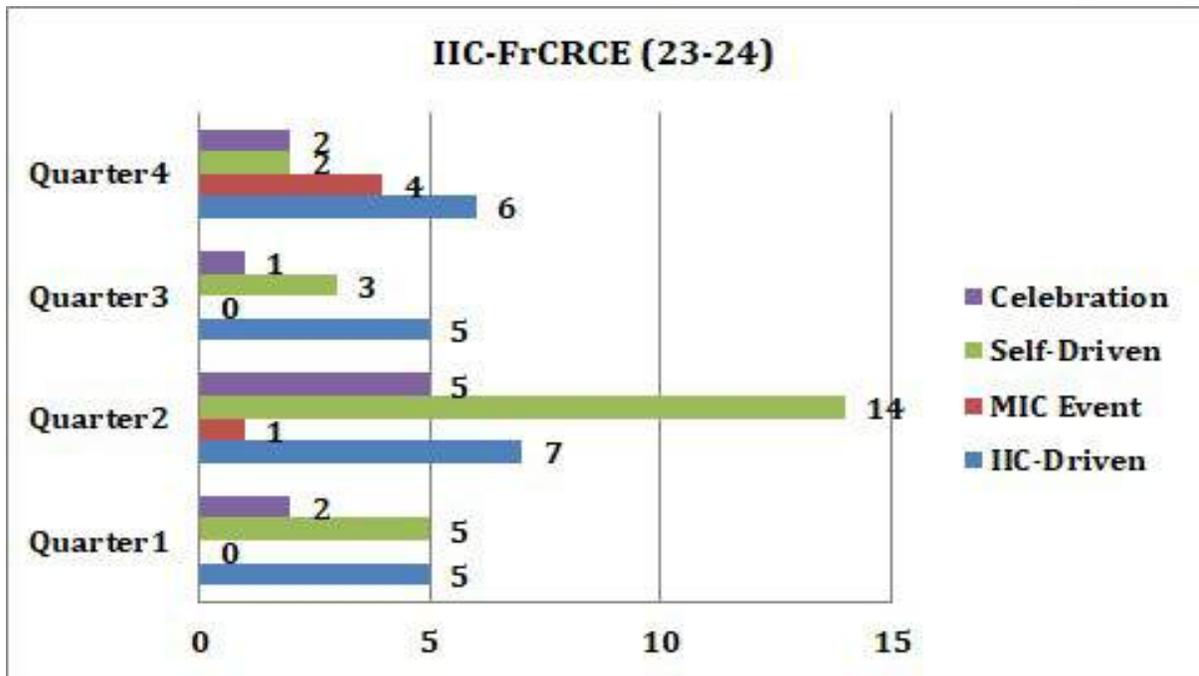


**D. Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind and Student bodies/clubs engaged in promotion of Innovation and Entrepreneurship in the campus.**

1. Dedicated Pre-incubation Unit in each Department.
2. Institute is providing financial assistance to Staff and faculties in its best possible way.
3. Professional Consulting Support is provided (Naman Angels, **4 Professor in Practice** are employed )
4. Start-up Cell, Entrepreneurship cell, IPR Cell is actively engaged in the promotion of Innovation and Entrepreneurship activities in the campus.
5. Dedicated IPR centre is available in the Campus. Project space and Internet facility is provided.

**E. Highlight Achievements (Narrative/Graphical/tabular representation)**

Sr.No.	Title	Number
1	Number and Different types of I&E and IPR activities Conducted	62
2	No. of student's & faculty ideas generated	5 shortlisted 50+
3	No. of student's & faculty Innovation/prototypes developed	12
4	No. of IPs generated, published and granted	23
5	No. of Student & Faculty Start-ups/Ventures established.	03(TRL-9)
6	Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus	40000/
7	Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR	20000/
8	No. of Technology Transfer and Commercialisation happened	Nil



F. Highlight few best IIC Faculty/Student members and their achievements/ Rewarded for the innovations at different forum

Faculty Name-Designation	Profile
Dr. Bhushan T Patil	Faculty Excellence Award recipient from IIIE, Belapur Received Appreciation for New Patent Registration by Dr. Bhushan T. Patil, Janhavi (S.E Mech) and Team
	

**Team CFR : 11th rank (Overall) in Formula Bharat 2024 held in Coimbatore**



**Team Codie :** Joel Pawar, Simona Rumao, Aditi Gupta, Shubham Shanbhag, Ruchira Rao, and Nivedita Kokane won an award for 'Building Educational Game' in Smart India Hackathon.



**Team GDA:** Santo Sunny, Desmond Antony, Shinde Suraj, Mrunali Tamhankar, Meet Satra, Carol Lobo won an award for 'Sentinel Shield-Safeguarding People's Lives in Air Threat Situations' in Smart India Hackathon



**Team Zenith Zest** :Rudalf Gonsalves, Zane Falcao, Jonathan Dabre, Alroy Pereira, and Mahek Intwala won Smart India hackathon 2023 Software Edition on 19-20th December, 2023. **(National Level)**



Team Intmain consisting of Sanket Mane, Emmanuel Gudinho, Soham Kochare, Bryce Miranda, Omkar Surve and Archana Rajeshwar were among the finalists in SIH 2024 held at SKIT, Jaipur. **(National Level)**



Zane Falcon, Alroy Pereira, Jonathan Dabre secured 5th Place in All India Council for Technical Education's (AICTE) Innovation, Design and Entrepreneurship (IDE) Bootcamp Phase – II



Slayde Sequeria, Chhand Chaughule, Janice Dcruze, Mark Tuscano won first prize in Ingenium 2.0, 15th September, 2023



Joel Pawar, Simona Ruma and Aditi Gupta secured third position in Ideathon held at Fr. CRIT, Vashi



Team CFR received 4th place (Overall) in formula imperial 2023, at Noida Buddh circuit. 1st in engineering design, 3rd in Innovation Design.



**Team ABADHA CRCE Achievements: Baja SAE India Sales Presentation: AIR 6th, Design Presentation: AIR 20th, CAE Presentation: AIR 5th (Venue: BVRIT, Hyderabad ) Date 6th - 9th March 2024**

#### Achievements in January 2024

- Baja SAE India
  - Sales presentation AIR 5<sup>th</sup>
  - Design presentation AIR 20<sup>th</sup>
  - CAE report AIR 15<sup>th</sup>
  - Electrical technician inspection clear
  - Overall rank AIR 67<sup>th</sup>



Team Vaayushastra participated in SAE Aero Design, East : 11th Rank Globally, 10th in Design Report and 11th in Presentation.

### Advanced Class - Overall Standings

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Standings	University (Team)	Country	Design Scores	Presentation Scores	Mission Performance Scores	Technical Inspection Deductions	Overall Scores
1	219 - Georgia Institute of Technology	United States	42.3292	44.4167	46.6500	-5.0	128.3958
2	230 - Wroclaw University of Technology	Poland	37.7120	43.3500	27.8626	-	108.9246
3	213 - Concordia University	Canada	32.9106	39.9550	17.0150	-	89.8806
4	226 - Universite Laval	Canada	31.3322	42.0250	4.1700	-	77.5272
5	218 - K.J.Somaiya College of Engineering	India	38.1561	39.1167	0.0000	-	77.2728
6	216 - Univ of Michigan - Ann Arbor	United States	39.3192	35.1375	0.0000	-	74.4567
7	220 - Vellore Institute of Technology	India	38.5430	35.0000	0.0000	-	73.5430
8	221 - Ecole Polytechnique Montreal	Canada	37.1453	36.1625	0.0000	-	73.3078
9	215 - Western University	Canada	33.8842	36.8375	0.0000	-	70.7217
10	229 - Nanjing Univ of Aeronautics & Astronauti	China	33.8159	31.1333	0.0000	-	64.9492
11	212 - Fr Conceicao Rodrigues College of Engrg	India	31.3926	33.3833	0.0000	-	64.7759

Aryan Khatam, Sharvin Gavad, Neston and Myron secured first rank at Bit n Build International Hackethon in Feb 2024

Aryan Khatam, Sharvin Gavad, Neston and Myron secured first rank at national hackethon "Aeravat" at SPIT in March 2024



Aryan Khatam, Sharvin Gavad, Neston and Myron secured first rank at national hackathon “Matrix” at Fr.CRCE in Feb 2024

Rishabh Pathak, Pritesh Kunder and Sahil Khan secured second position at Hackathon “Syntechxathon” organized by Rishi Dayaramseth Hassaram National Science College in Feb 2024



Denslin Nunes - 1st Rank in Moisture Minds National level competition held at IIT Dharwad on 26th August 2023.



Sahil Khan - First Runner-Up in the IEEE Techithon'23 Hack Mania 24-Hour Offline Hackathon organized by Atharva College of Engineering on 10th June 2023



Manasvi Patil, Martina John received Domain Prize for App Development at SPIT Hackathon,



Journal Paper presentation at GIBS ICIDT 2023 International conference on Innovation and Digital Transformation



Becky Nadar, Brita Nadar, Seema Yadav, and Devesh Vengurlekar Secured 2nd place in National Science Day intercollegiate idea and project presentation held at Rizvi College of Engineering



Becky Nadar, Brita Nadar, Seema Yadav, and Devesh Vengurlekar were among the Dipex 2024 Finalist held at Terna Engineering College



Aditi Gupta, Joel Pawar, Simona Rumao were among the Agnethon Hackathon 2024 Finalist

Aditi Gupta, Joel Pawar, Rikita Rumde, Bhushan Pakhle, Amey Bagwe, Wesley Lewis, Simona Rumao Participated in All India Council for Technical Education's (AICTE) Innovation, Design and Entrepreneurship (IDE) Bootcamp Phase-II



Joel Pawar won Quasar Hackathon 2024 at Vasantdada Patil College of Engineering Sion

Shaun Pimenta won Hackathon 2024



**Joywin Mendonca were among Top 4 teams in Start-A-Thon An IIT Madras Hackathon**



**Joywin Mendonca were among Top 4 teams in Start-A-Thon An IIT Madras Hackathon**



**Joywin Mendonca secured 2nd Place AI De/ployer 2024 By CSI**



**Joywin Mendonca secured 1st Place TechVista 2024 By Algozenith**



Slayde Sequeria and Chhand Chaughule were among the finalists in ACE Hacks hackathon organized by GDSC and CSI at Atharva College of Engg, Malad



Soham Parab, Sanket Mane, Bryce Miranda were Runner Up at HackMania Hackathon organized by Atharva College of Engineering.

Soham Parab and Bryce Miranda secured Fourth Place at M-Indicator Hackathon in Android Domain held at VJTI, Mumbai



Soham Parab was among the Top 10 TSEC Hacks Web/App Domain.



Soham Parab built an App for Fire and Security Association of India (FSAI) - Safe Ganesh Mandal Assessment.



Felicitation:



3 Second Year students from the Computer Department, Shaun Mendes, Susan Fernandes and Sharian Dabre have bagged the third prize at the national level hackathon held at Madras Institute of Technology, Chennai in which over 330 teams had participated from all over India. They secured the 3rd rank and have won a cash prize as well.

Team 4i  
1) Vinish Rexson(SE Comps B)  
2)Yash Punmiya (SE comps B)  
3) Harsh Dalvi(SE Comps A)  
4) Nishant Maurya(SE Comps B)



### IIC Faculty/Student members contributed for IIC Activities

Faculty Name-Designation	Profile
Dr.S.P Rathod ,Principal CRCE Prof. Ashwini Pansare (Coordinator)	Conducted One Week ATAL FDP funded by AICTE on "Institutional Restructuring and Strengthening Autonomy through NEP"
Dr. Ashok Kanthe, Prof. Kranti Wagle, Prof. Swati Ringe, Prof. Ashwini Pansare	SMART INDIA INTERNAL HACKATHON on 16 <sup>th</sup> September 2023 with huge response with 53 teams participation. Total 30 Teams shortlisted and 05 teams waitlisted and Total 06 Teams shortlisted for Grand Finale of SIH 2023 dated on 19th and 20th December 2023
Prof. Vaibhav Godbole, Prof. Saurabh Kulkarni	Tinkering Lab Activity at Hansraj Morarji Public School on 4 <sup>th</sup> Oct 2023 for school children of 5-6-7 and Junior college to promote innovation Sprint among students. They built a simple Tinkering project together.
Dr. Ashok Kanthe, Prof. Garima Tiwari	Organized Faculty Patent Development program in association with Technotren Innovation Academy from 31 <sup>st</sup> July-5 <sup>th</sup> August 2023 where 40 faculty members attended
Dr Bhushan Patil, Dr. Ketaki Joshi, Prof M V B Rao,Dr Dipali Bhise and Mr Santosh Dharmen	Mechanical Engineering Department of organized workshop tailored specially for <b>students studying 9<sup>th</sup> class Fr. Agnel Technical High School, Bandra</b> on the <b>Fundamentals of</b>



	<b>SolidWorks modelling and 3D printing</b> on 22nd February 2024 for upgrading their Drawing skill sets.
Industrial Visit to KLT automotives and Tubular Products, Palghar Ltd	For Mechanical Engg. Students On 12th March 2024 in association with ASME,CRCE
Industrial visit to TOYOTA Workshop	TE and BE Mech students in October 2023



Sl. No	Type of Patent	Patent Application No.	Faculty Inventor/s Name	Patent Details	Status
Year 2023-2024					
1	Design	392016-001	Prof. Vaibhav Godbole	Blockchain Enabled Surveillance Device	Granted
2	Design	401316-001	Dr. Vasim Shaikh Dr. Bhushan Patil	Vibration Test Rig	Granted
3	Utility	2023230903 40	Prof. Swati Ringe Prof. Kranti Wagle	Blockchain-Based Healthcare Management Application	Published
4	Design	379302-001	Prof. M V B Rao Dr. Bhushan Patil	Nozzle for Turning Operation	Granted
5	Utility	2023210394 93	Prof. Kranti Wagle, Prof. Swati Ringe, Prof. Sujata Deshmukh	Autiscape: An immersive 3D environment with Multi-level Fading, Animations, Text-To-Speech conversion using Bark - an AI based model for use in computational therapy for Autism Spectrum Disorder.	Published
6	Utility	2023210770 89	Prof. Swati Ringe Prof. Sarika Daware	Yogaguru: Your AI Yoga Trainer	Published
7	Utility	2023210535 32	Prof. Ashwini Pansare	Utilization of reinforcement learning and explainable Artificial Intelligence analysis in the development of self driving vehicle with robust protection against GPS spoofing attack	Published
8	Utility	2023210394 20	Prof. garima Singh	IOT Based digital hydroponic nutrient prediction device in a hydroponic system.	Published
9	Utility	2023210507 54	Prof. Sushma Nagdeote	A system for attendance management	Published
10	Design	409507-001	Dr. Brijmohan Satyanarayan Daga	AI based sign board for marketing	Granted
11	Design	6308276	Dr. Joseph Rodrigues	UGV Drive Smart Precision Agriculture Robot	Granted
12	Utility	2023210569 11	Prof. Monali Shetty	Detection of malicious blockchain attacks using federated learning	Published



13	Design	421414-001	Prof. Ashwini Pansare	Timed water dispensing control system for water purifiers	Granted
YEAR 2022-2023					
14	Utility	202321027909	Dr. Sujata Deshmukh Prof. Dipali Koshti Prof. Supriya Kamoji	EDU-VQA- A Multimodal Multi-Knowledge Open Domain Visual Question Answering Model For Education	Published
15	Utility	202321020315	Prof. Kalpana Deorukhkar	Detection of Video Duplication and Integrity Verification using Blockchain Technology	Published
16	Utility	202321018653	Prof. Archana Lopes Prof. Sangeeta Parshionikar	Metastore- An Image-Based 3d Garment-Making System For Virtual Try-Ons	Published
17	Utility	202321015188	Prof. Sangeeta P. Prof. Archana Lopes	Verbal Agreement Signing using Blockchain & Speech Recognition	Published
18	Design	379051-001	Dr. Bhushan Patil Dr. Ketaki Joshi Dr. Sujata Deshmukh	Corner set punch for springback elimination in vsheet metal bending	Granted
19	Design	374640-001	Dr. Bhushan Patil Dr. Ketaki Joshi Dr. Sujata Deshmukh	Article for Printing 3D parts using Electrochemical Deposition	Granted
20	Design	375204-001	Dr. Ketaki Joshi Dr. Bhushan Patil Dr. Sujata Deshmukh	Football Thrower	Granted
21	Utility	202241051449	Dr. Sujata Deshmukh	IoT and Artificial Intelligence based fruit recognition, calorie estimation and suggestion for healthy life using Deep learning algorithms	Published
22	Utility	202221060823	Prof. Monali Shetty	Blockchain based system for project funding and CSR funding	Published
23	Utility Patent	202221070479	Dr. Sujata Deshmukh, Prof. Supriya Kamoji Dr. Bhushan Patil	Floodknow: A Ai Based Hybrid	Published

**Credit Courses in Innovation / Entrepreneurship / Intellectual Property offered by the HEI at Diploma/ UG/ PG/ PhD level.**

1. Innovation and Design Thinking : at UG Level
2. IPR : at UG level (Elective)



G. Highlight selected best Innovations & images with mention of inventor/innovation name

***Jai Anusandhaan (MoE Innovation Cell)***

<https://youtu.be/BY79zxh4AZ0?si=YOJmltmjeMPmz7nY>

**1) Team Received Funding Of Rs 6 Lakhs under Yukti Innovation Challenge 2023**



Kranti Wagle CRCE <kranti@fragnel.edu.in>

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**Result Announcement: Funding Assistance to Innovations from IIC Institutions - YUKTI Innovation Challenge 2023- Reg.**

2 messages

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AICTE(no-reply) <noreply14@aicte-india.org>  
To: kranti@fragnel.edu.in

Thu, Apr 18, 2024 at 5:37 PM

Dear IIC Institute Incharges,

Greetings from the Ministry of Education's Innovation Cell and AICTE !

As part of the Institution's Innovation Council (IIC) initiatives of the Ministry of Education's Innovation Cell, since 2018, MIC and AICTE provides mentoring and funding assistance to shortlisted innovations and startups from IIC institutions routed through various challenges and competitions such as National Innovation Challenge/YUKTI Innovation Challenge (YIC), SIH etc. So far MIC has supported 75 ideas/innovations with grant support and incubation linkage access, out of these more than 55 innovations have been transformed into a Startup and mobilised grants from various sources and many of them also raised investments.

The YUKTI Innovation Challenge (YIC) 2023 is the 3rd edition of innovation challenge and its a 360 degree experiential learning program built upon the YUKTI Innovation and IPR Repository created in IIC institutions, it aims at hand-hold young student and faculty innovators, and offers a series of mentoring, training, demonstration, pitching, and evaluation sessions to innovators from Higher Education Institutions (HEIs). The program aims to prepare innovators to go through a path of experiential learning, transforming their innovations into startups or facilitating technology transfer for scale-up.

In this current edition, MIC has received a total 4,103 nominations of innovations in the stage of TRL 4-9 from 800+ IIC institutions and all of them have already undergone multiple rounds of mentoring, screening and series of 21 online expert talk sessions on various aspects of innovation and business model validation. Finally, 1,946 innovations completed the training and they were invited to attend



## YUKTI Innovation Challenge 2023

### List of Innovations eligible for grant assistance from AICTE/MIC

		stem title			
77	IR2023-831042	HEAD MOVEMENT AND VOICE CONTROLLED WHEELCHAIR FOR QUADRIPLEGIC PATIENTS	DR SUMIT SINGH PHUKELA	Haryana	₹ 4,00,000.00
78	IR2022-773491	Withanolide A -a potent inhibitor of mitochondrial HSP90 of Hepatocellular Carcinoma (HCC)	Dr. P.K.Praveen Kumar	Tamil Nadu	₹ 5,00,000.00
79	IR2023-865167	HAND GESTURE CONTROLLED PHYSICAL AND DIGITAL TWIN OF ROBOTIC ARM	Ojas Jain	Andhra Pradesh	₹ 6,00,000.00
80	IR2024-896565	ROCKVED - A Gamified Approach to Vedic Mathematics and ISRO	Pranav V	Karnataka	₹ 6,00,000.00
81	IR2024-896584	Vani- Speech and sound interventioapp	Saniyaa B Shetty	Andhra Pradesh	₹ 6,00,000.00
82	IR2022-782362	AsthaGraha Educational Space Game	Santo Sunny	Maharashtra	₹ 6,00,000.00
83	IR2022-800075	Fabrication of electronic kit using spectrophotometric method to detect contaminants in Oils such as olive oil and vegetable oil	shaik kareem ahmmad	Telangana	₹ 5,00,000.00

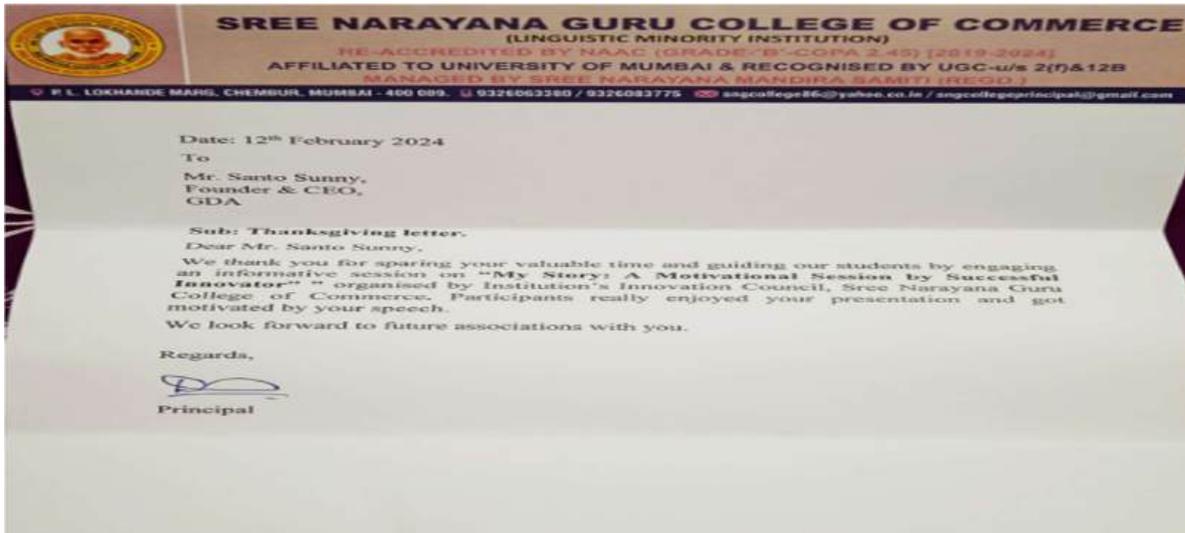
Yukti idea team progrss Evaluation of the team with industry experts panel.

<https://youtu.be/Ht67glM47wA?si=v8QL8HBVt8m7Zg9A>



**Company Registration of Team Asthagraha selected at Yukti Innovation Challenge 2023**

Spandan Enterprises		Performa Invoice				
<b>Spandan Enterprises</b> Address:521/13 Samadhan Niwas, N M Joshi Marg , Byculla West ,Mumbai 400011 PAN No : BKMPK6092B  Firm Name : GDA Studio Games		Invoice No. Sep-2024/023 Date :03/09/2024 PO No.NA PO Date:NA Payment Terms:Advance				
Sr.no.	Description	HSN CODE	Quantity	Unit Price	Total	
1.00	Company Registration		1	35000.00	35000.00	
	Certificate of Incorporation					
	PAN					
	TAN					
	PF Registration					
	ESIC Registration					
	GST Registration					
					<b>Taxable Value</b>	35000.00
					<b>GST Rate</b>	0.00
					<b>GST Amount</b>	0.00
					<b>Total Value</b>	35000.00
Total Invoice Amount in Words:Thirty Five Thousand Only						
Tax Payable by Recipient (if Reverse Charge basis) NO						
<b>Authorized Signatory</b> Digitally signed by SWASHANT DILIP KADAM DN: cn=SWASHANT DILIP KADAM, o=Spandan Enterprises, ou=Spandan Enterprises, email=swashant.dilip@spandanenterprises.com, c=IN						
<b>BANK DETAILS OF SUPPLIER</b> Bank Name :State Bank Of India Account No:200320000003						



**Felicitation of Founder of GDA(ASTHAGRAHA STARTUP) SUCESSFUL INNOVATOR**

## Collaboration with the Following Industry & Startups

### 1) MOU WITH ICAR-CENTRAL INSTITUTE OF FISHERIES EDUCATION MUMBAI

#### Memorandum of Understanding (MOU)

Between

Fr. Conceicao Rodrigues College of Engineering, Institute Innovation Council

Fr. Agnel Ashram, Bandra West, Bandstand, Mumbai, 400050

And

ICAR-Central Institute of Fisheries Education (ICAR-CIFE) Mumbai

**Purpose:** This Memorandum of Understanding (MOU) establishes a collaborative partnership between [Name of the Engineering College] and ICAR-Central Institute of Fisheries Education (ICAR-CIFE), Mumbai, for the purpose of engaging engineering students and ICAR-CIFE students in joint research projects. The collaboration aims to leverage the expertise and resources of both institutions in various domains, including Disease Diagnostics with Image Acquisition, Environmental Impact on Fish, Database Development for ICAR Data, Biosensor Projects, and other relevant research areas.



## 2) MOU WITH FIRE AND SAFETY SECURITY ASSOCIATION OF INDIA



FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING  
Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai – 400 050



### FSAI Collaboration

**FSAI - Fire and Security Association of India**

The Fire and Security Association of India (FSAI) is an organization dedicated to promoting and enhancing safety measures across various sectors in India. It focuses on recognizing and encouraging the adoption of fire and security practices to safeguard lives and property. FSAI conducts initiatives like competitions and audits to identify and reward exemplary safety practices, such as identifying the safest Ganesh Mandals during the Ganesh Chaturthi festival. Their mission is to advance safety standards and foster a culture of security awareness in the community.





**3)MOU WITH MUMBAI UNIVERSITY FOR ESTABLISHMENT OF STARTUP CLINIC IN CRCE  
CAMPUS**

<p><b>Prin.(Dr.) Sachin S. Laddha</b> Ph.D.,M.Pharm.,FACS.,FCRS <b>Director</b> <b>INNOVATION, INCUBATION &amp; LINKAGES</b> Green Technology Building, Vidyanagari Campus, University of Mumbai, Santacruz (E), Mumbai 400 098 email : director.ill@mu.ac.in Phone (Off) : +91 9320208078</p>	<p><b>University of Mumbai</b></p>  <p><b>मुंबई विद्यापीठ</b></p> <p>RE-ACCREDITED A++ GRADE (CGPA 3.85) BY NAAC</p>	<p><b>प्राचार्य (डॉ) सचिन श्याम लद्धा</b> पी.एच.डी., एम.फार्म.,एफ.अेसीएस, एफसीआएएस. <b>संचालक</b> नवोपक्रम, नवसंशोधन व साहचर्य मंडळ, हरित तंत्रज्ञान इमारत, विद्यानगरी परीसर, सांताक्रुज (पू.), मुंबई - ४०० ०९८. ईमेल : director.ill@mu.ac.in भ्रमणध्वनी (कार्यालय) : +९१ ९३२०२०८०७८</p>
<p><b>No.II&amp;L/ICD/2024-25/48</b></p>		<p><b>Date:23<sup>rd</sup> July, 2024</b></p>
<p><b>To,</b> <b>Dr. Surendra Singh Rathod</b> Fr. Conceicao Rodrigues College of Engineering, Fr. Agnel Ashram, Bandstand. Near Taj Land. Bandra(w). Mumbai</p>		
<p><b>Dear Dr. Surendra Singh Rathod,</b></p> <p>I am pleased to inform you that your proposal for the establishment of a Startup Clinic powered by MU IDEAS Foundation Incubation Center, Mumbai at Fr. Conceicao Rodrigues College of Engineering has been approved. We are excited about the potential this initiative has to foster innovation, entrepreneurship, and practical business skills among our students.</p> <p>The Startup Clinic will serve as a resource center where students as well as budding Startups can receive guidance on developing business ideas, creating business plans, and navigating the complexities of starting and running a business. This initiative aligns with our commitment to providing students with hands-on learning opportunities and preparing them for successful careers in a dynamic economic landscape.</p>		

#### 4) MOU WITH AWS

11/28/22, 10:48 AM SPOC for Fr CRCE - monali\_shetty@fragnel.edu.in - Fr. Conceicao Rodrigues College of Engineering Mail

Compose

99+ Mail 3,037

Meet

Inbox 3,037

Starred

Snoozed

Important

Chats

Sent

Drafts 261

All Mail

Spam 4

Trash

Categories

Social 118

Updates 609

Forums 699

AWS

Mehra, Lokesh <lokmehra@amazon.com> to Akanksha, me Tue, Aug 2, 7:12 AM

Dear Prof Monali,

You are now the CPOC of Fr Conceicao Rodrigues College of Engineering, Mumbai. Kindly follow the steps outlined by As a next step you need to complete the following steps

1. Accept the Terms and Conditions as the Central Point of Contact with the login credentials that you would have received in your email (mail would have been received at < monali\_shetty@fragnel.edu.in> ) . If no mail has been received, kindly click on [www.awsacademy.com/AcademyHome](http://www.awsacademy.com/AcademyHome) and fill in your user ID which is [monali\\_shetty@fragnel.edu.in](mailto:monali_shetty@fragnel.edu.in) and click on Forgot your Password
2. Appoint educators that will teach the course and have them accept the Program guide. Please choose English the preferred language.
3. Ask your educators to complete the mandatory online module that has been designated to them
4. Run one complete batch of students of minimum 20 students
5. Post this your academy gets listed as a member on the AWS Global Web site <https://aws.amazon.com/training/awsacademy/member-list/>



**Basilica Anthony**

Certificate of Completion for  
AWS Academy Graduate - AWS Academy Cloud Foundations

Course hours completed  
20 hours

Issued on  
04/04/2024

Digital badge  
<https://www.credly.com/go/cgpp9rWC>



**Ivan Dsouza**

Certificate of Completion for  
AWS Academy Graduate - AWS Academy Cloud Developing

Course hours completed  
40 hours

Issued on  
03/23/2024

Digital badge  
<https://www.credly.com/go/K3Q46DM4>

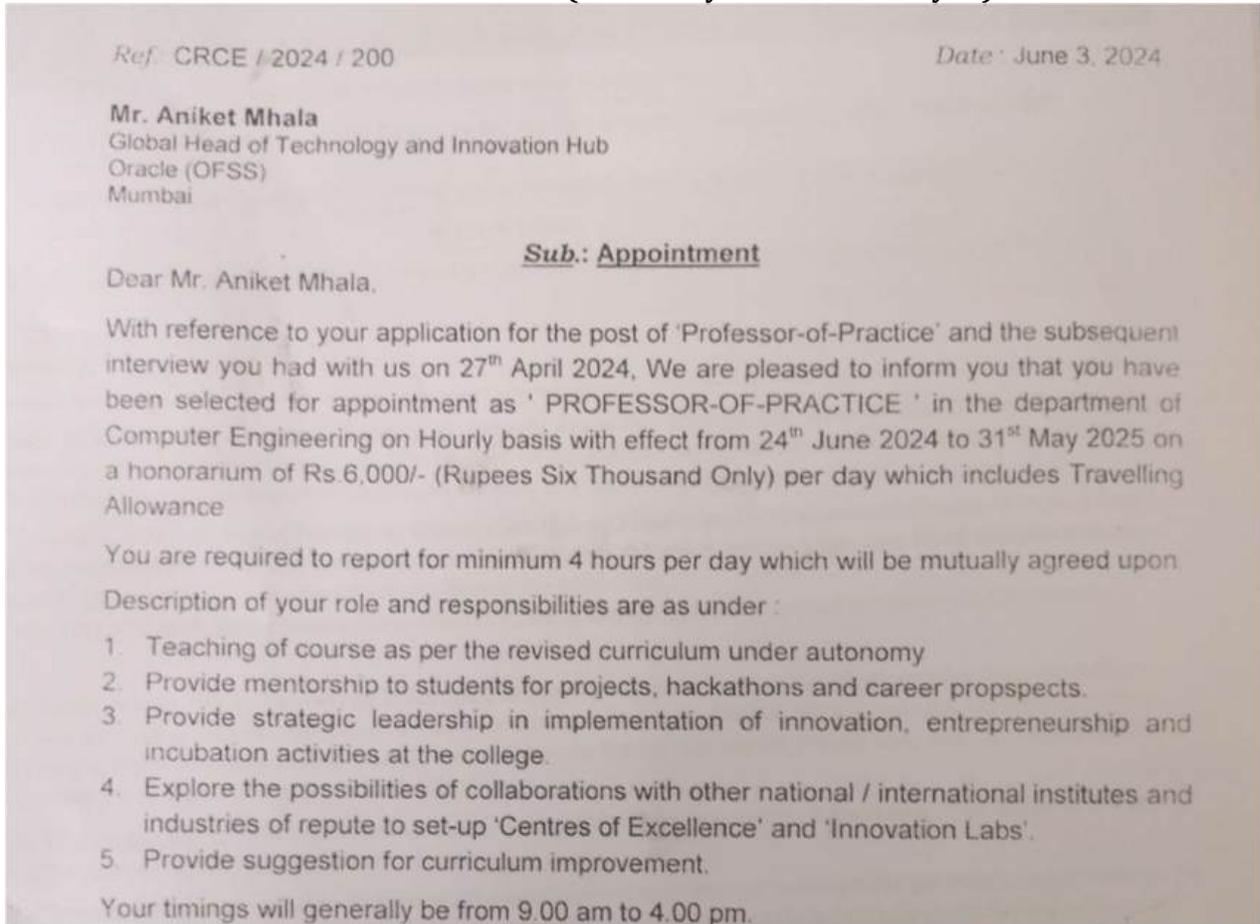
#### STUDENTS CERTIFICATE COMPLETING AWS CERTIFICATION



**5) COLLABORATION WITH PROFESSOR OF PRACTICE (EMPLOYED AS GLOBAL HEAD OF TECHNOLOGY AND INNOVATION HUB, SENIOR VICE PRESIDENT JIO)**

[https://youtu.be/3\\_e02Hq-bOM?si=uXRi7MGHXbVzwG-8](https://youtu.be/3_e02Hq-bOM?si=uXRi7MGHXbVzwG-8)

**Collaboration with Professor Of Practice (4 Industry Persons Emoloyed)**





### Minutes of the Meeting

**Date:** 03-08-2024

**Time:** 12:00 pm – 2:00 pm

**Location:** Fr. CRCE Bandra

**Attendees:**

- **Evaluators:**
  - Mr. Aniket Mhala (Senior Vice President Head of Innovation Centre Jio Platform)
  - Mr. Mayur Aggarwal (Vice President of Mappls Company)
  - Dr. Surendra Singh Rathod (Principal of Fr. CRCE Bandra)
- **Professors:**
  - Mrs. Kranti Wagle
  - Mrs. Ashwini Pansare
- **GDA Members:**
  - Mr.Santo Sunny (CEO of GDA)
  - Mr.Desmond Antony (CTO of GDA)
  - Mr,Suraj Shinde (CMO of GDA)

**Members Absent:**

- Mr.Meet Satra
  - Miss. Mohini
- 

**Agenda:**

1. Evaluation and review of the product of GDA
  2. Key Evaluation Points
- 

**Key Points Discussed:**

1. **Introduction to the Educational Game**
  - Overview of the game.
  - Objective: To pitch the game to schools.
2. **Happy Index**
  - Measure the impact of the game on student happiness.
3. **Result Improvement**
  - Assess how the game improves student results.

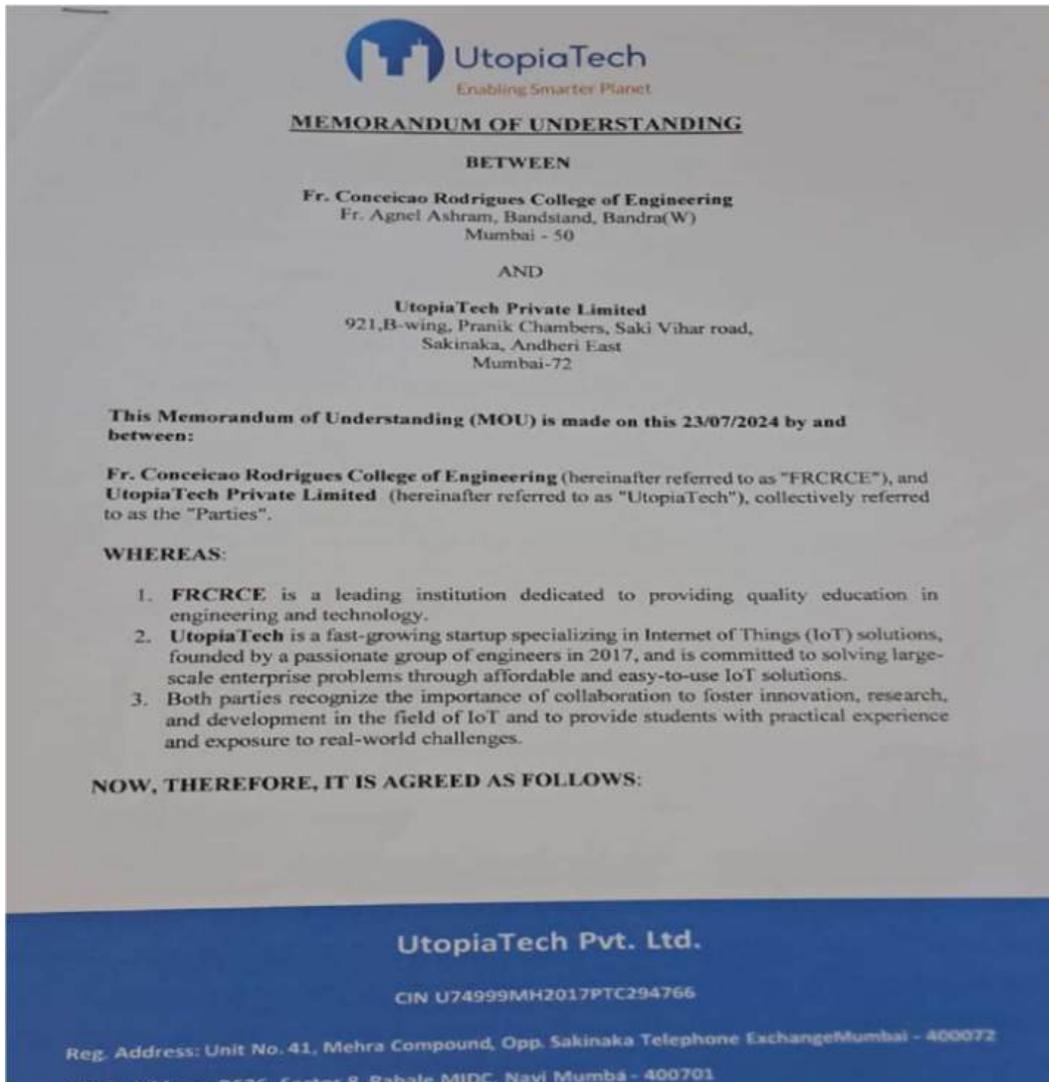
## 6) MOU SIGNED WITH UTOPIA TECH. PVT LTD

UtopiaTech is a fast growing startup in the space of Internet of Things (IoT). Founded by a passionate group of engineers in the year 2017, it has now grown into a leading IoT solution provider. It firmly believes that connected infrastructure can reduce energy wastage and solve complex operational challenges.

The team at UtopiaTech is extremely passionate about the IoT technology and it envisions solving large scale enterprise problems through affordable and easy to use solutions. More than 100 enterprises are seamlessly managing infrastructure through its pioneering solutions.

MENTORING BY THE CO-FOUNDER OF UTOPIA TECH Mr. AYUSH JAIN, INVITED AS JUDGE AT SIH 2024 INTERNAL HACKATHON

<https://youtu.be/9gDP1PrFZS0?si=DRMSyGOAs7qtUmML>



## 7)MOU SIGNED WITH FUTURE LOGIC

Business intelligence company focussed on supply chain operations. We use our knowhow in system integrations create data warehouses and pipelines into relevant enterprise systems.

This data warehouse becomes the key in aligning business objectives with dashboards

<http://futurelogic.io/>



**MEMORANDUM OF UNDERSTANDING (MOU)  
BETWEEN**

**Fr. Conceicao Rodrigues College of Engineering**  
(Hereinafter referred to as "FR.CRCE")  
Fr. Agnel Ashram, Bandstand, Bandra(W)  
Mumbai 50

**AND**

**Future Logic Company**  
(Hereinafter referred to as "Future Logic")  
14B Ashirwad Chs, Subhash Nagar, Lower Parel East,  
Mumbai 400013

**1. Purpose**  
The purpose of this Memorandum of Understanding (MOU) is to establish a framework of collaboration between FR.CRCE and Future Logic to promote academic, research, and professional development activities that will mutually benefit both parties.

**2. Areas of Collaboration**  
FRCRCE and Future Logic agree to collaborate in the following areas:

- **Internship Programs:** Facilitate internship opportunities for FRCRCE students at Future Logic to gain industry experience.
- **Workshops and Seminars:** Jointly organize workshops, seminars, and training sessions on emerging technologies and industry practices.
- **Research and Development:** Collaborate on research projects that align with the interests of both parties, particularly in areas of technology, innovation, and engineering.

**3. Roles and Responsibilities**

- **FR.CRCE:**
  - Identify students eligible for internships and coordinate in their internship process with Future Logic.
  - Provide facilities for conducting workshops, seminars, and other collaborative events.
  - Support research projects by providing academic resources and guidance.
- **Future Logic:**
  - Offer internship positions and mentorship to selected FRCRCE students.
  - Share expertise by participating in workshops, seminars, and other academic activities at FR. CRCE.

Future Logic Systems Private Limited  
CIN U72900MH2022PTC389553  
14B Ashirwad Chs, Subhash Nagar, Lower Parel East, Mumbai 400013  
[gcp@futurelogic.io](mailto:gcp@futurelogic.io), 022- 6507 5102

**FUTURE LOGIC SYSTEMS PVT. LTD.**  
14, Floor-2, Plot-9, B Wing, Ashirwad CHS.  
Pandurang B Bagve Marg, Subhash Nagar,  
Chinchpokli (W), Jacob Circle, Mumbai-400011  
Tel.:022-49727952

**FUTURE LOGIC SYSTEMS PVT. LTD.**  
Office No. 47, 67B, Gopal Marasion,  
Gurunank Road, Bandra West,  
Mumbai 400050, Maharashtra  
Tel:-022-49727952

**IIC-FrCRCE organised INNOVATORS SUMMIT on 21st August 2024**

<https://youtu.be/11U1DnOvvgg>



**IIC INNOVATORS SUMMIT**

Mr. Umesh Rathod  
Manager  
(IP & Technology Transfer)  
Innovation Center

Mr. Anish Maheshwari  
Founder  
Varee Investment Affairs

Mr. Anvitz Rathi  
Co Founder - Varee  
Investment Affairs PVT. LTD.

Mr. Sagaril Chandwade  
Senior Officer  
IPR at Marico India Limited

Mr. Nikhil Gupta  
Chief Executive Officer & Fund Manager  
Manoj Capital Fund

Dr. Surendra Singh Rathod  
IIC President  
FR CRCE

Prof. Swati Ringe  
IIC MSP Co-ordinator  
FR CRCE

SEMINAR HALL 108  
21ST AUGUST, 2024 @ 8:30PM




**CERTIFICATE  
OF PARTICIPATION**

This certificate is proudly awarded to

*Aaron Fernandes*

This is to certify that Aaron Fernandes has actively participated in the IIC Innovator's Summit 2024 organized by Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai on 21st August 2024.

Dr. Surendra Singh Rathod  
IIC President

Mr. Umesh Rathod  
Innovation Manager (IP & Technology Transfer)  
Innovation Center (IIC-TE - MOE)



अखिल भारतीय तकनीकी शिक्षा परिषद  
**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**  
(A STATUTORY BODY OF THE GOVT. OF INDIA) (भारत सरकार का एक विधिक संस्थान)



REGIONAL COORDINATION CENTRE, MUMBAI  
क्षेत्रीय समन्वय केंद्र, मुंबई  
Innovation Centre - Western Region  
इंनोवेशन सेंटर - पश्चिमी क्षेत्र

2<sup>nd</sup> Floor, Industrial Research Building,  
Indian Institute of Management  
(IIM) Mumbai Campus,  
Vihar Lake,  
Mumbai-400087  
E-mail: [wro@aicte-india.org](mailto:wro@aicte-india.org)

Dear IIC team,

I hope this message finds you well. On behalf of the AICTE Innovation Center, I would like to extend our deepest gratitude to you & your esteemed institution i.e. Fr. Conceicao Rodrigues College of Engineering for organizing the IIC Innovators Summit on August 21<sup>st</sup>, 2024.

The event was an outstanding success, and your team's dedication and meticulous planning were evident in every detail. The opportunity to connect with other innovation enthusiasts and industry leaders was immensely beneficial. It fostered a collaborative spirit and provided a platform for sharing ideas and best practices that will undoubtedly contribute to the growth and success of our initiatives.

A special mention to the President – Prof. Dr. Surendra Singh Rathod, Vice-President – Prof. Dr. Ashwini Pansare & Convener – Prof. Dr. Kranti Wagle of IIC for seamlessly executing the event with all anticipated deliverables.

Thank you once again for your hard work and for creating such a memorable and impactful event. We look forward to collaborating with you on future initiatives.

Warm regards,



Umesh Rathod  
Innovation Manager (IP & Technology Transfer)  
Innovation Centre, Western Region

Sr. No	Innovator Name with Innovation
1.	<p>Foreign tourists in India often face challenges with cumbersome card transactions, currency exchange issues, and limited access to emergency services. The lack of access to the widely used Unified Payments Interface (UPI) further complicates their experience. Our project addresses these barriers by integrating UPI into a user-friendly mobile application specifically designed for foreign tourists.</p> <p><b>Key Features:</b></p> <p><b>Seamless UPI Payments:</b> Enables secure, cashless payments, eliminating the need for physical currency and complex banking processes. <b>Real-Time Local Recommendations:</b> Provides personalized suggestions for attractions based on the tourist's location, enhancing their travel experience. <b>Emergency Service Connectivity:</b> Offers instant access to critical services, ensuring safety and prompt assistance during emergencies. <b>Price Transparency Tool:</b> Allows tourists to compare prices against government benchmarks, fostering trust and ensuring fair pricing.</p>
	
2.	<p><b>Doc Dial:</b> Healthcare today is full of challenges—long wait times, difficulty in scheduling, and limited access to quality care are just a few. On the provider side, managing resources and patient data securely can be a real headache. That's where DocDial comes in. Our platform not only integrates patient management, telemedicine, and smart analytics, but it also brings different hospitals together under one unified system. We securely store electronic health records (EHR) using blockchain technology, ensuring that patient data is both accessible and protected. With DocDial, we're simplifying healthcare, making it more efficient, and setting a new standard for the future.</p>

### What is the problem you are solving?

- Current healthcare systems are fragmented, leading to inefficiencies and poor patient experiences.
- Healthcare providers struggle with resource allocation, administrative burdens, and managing patient data securely.
- Patients face long wait times, limited access to care, and inconsistent scheduling.

### What is the Unique Selling Point?

#### Advanced-Data Analytics

- Predictive Analytics: Machine learning predicts health outcomes and preventive measures.
- Operational Analytics: Optimizes scheduling and resource management.
- Population Health Management: Analyzes public health trends.

#### Telemedicine

- Video/Audio Consultations: High-quality virtual visits.
- Secure Data Exchange: Safe transfer of medical information through blockchain.
- Follow-up Tools: Streamlined processes for follow-ups and referrals.

#### Patient Management

- EMR: Secure, accessible digital records.
- Appointment Scheduling: Easy booking, rescheduling, and cancellation.
- Patient Communication: Secure messaging and real-time notifications.

#### Personalized Patient Experience

- Health Tracking: Integration with wearable devices.
- Customized Health Plans: Personalized plans based on individual data.
- Educational Resources: Tailored health information and resources.

#### Block Diagram

3. We have built a website which caters to children which special needs. We help them get the right and special education required by them to understand concepts better. If needed we also connect them to child psychologist to have a one to one interaction. The psychologist check their progress in our app and help them to better evaluate the child.

### Problem Statement

Education for Learning Disability students

Education is challenging for learning-disabled students due to difficulties in processing information, slower comprehension, and the need for specialized teaching methods, making standard educational environments less accessible and supportive.

4. The increasing global demand for sustainable energy solutions has prompted significant advancements in wind energy technology. Our project focuses on the development and prototyping of an innovative Vertical Axis Wind Turbine (VAWT) system, specifically designed for urban and off-grid environments. Unlike traditional Horizontal Axis Wind Turbines (HAWTs), VAWTs offer distinct advantages, including lower noise levels, better performance in turbulent wind conditions, and the ability to be integrated into existing urban infrastructure.



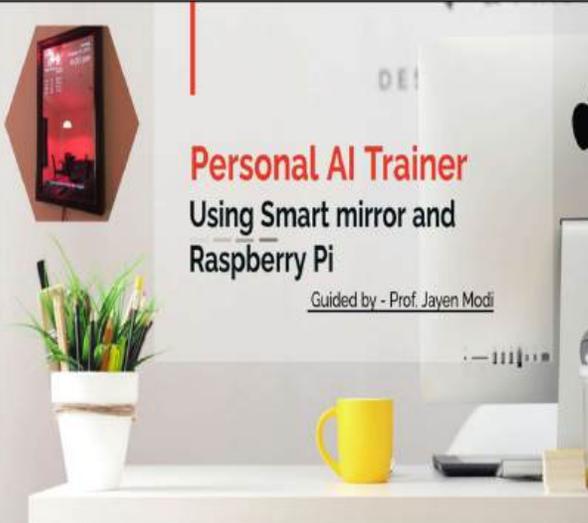
## REVOLUTIONIZING ENERGY: VERTICAL-AXIS WIND TURBINES (VAWT)

CLEAN, EFFICIENT ENERGY SOLUTION FOR URBAN AND RURAL AREAS

ADDRESSING LIMITATIONS OF SOLAR AND WIND FARMS

- NEEL KHOT
- RAHEL PEREIRA
- PRAKASH BISWAS
- SUSAN FERNANDES

5

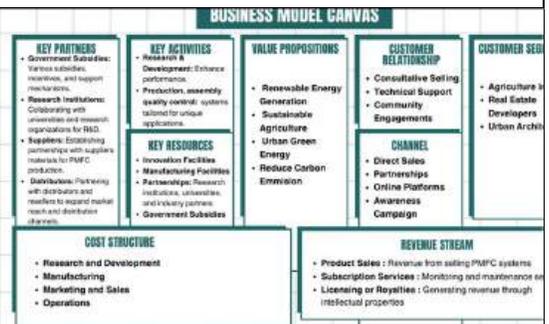


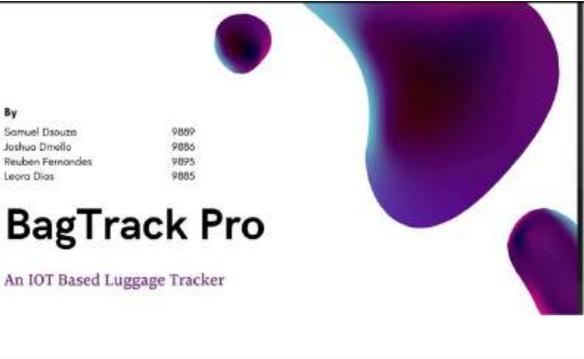
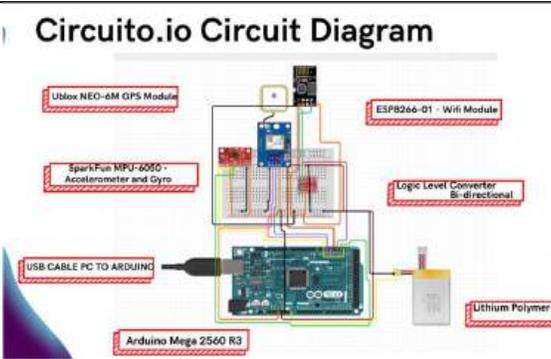
Smart Fitness Mirror – winner of Prakalp 20



**Smart Fitness Mirror – Innovision at Xavier Institute of Technology**

6



<p>7</p>		
<p>8</p>	<p><b>“Dockicraft”</b> Receiving hard copies of certificates and documents is very difficult for students as it is a very time consuming process because it consists of a lot of paperwork. Also, sometimes students are not able to come to college to get their certificates and documents due to several reasons. To solve these problems, we propose a system which will provide hard copies as well as soft copies (soft copies only for bonafide) of documents after verifying the data of the student from the database. System consists of 3 main pillars - Offline system, Online system and Courier Service</p> <p><b>“Won Award at GMRT Science Day- Arnav Chawathe , Prof. Vaibhav Godbole”</b></p>	
		
<p>9</p>	<p><b>“MACHINE LEARNING BASED WAGES INCREASE THROUGH EMPLOYEE PERFORMANCE MONITORING”</b> Recent digitalization has brought about vast renewal in labour virtually in every sector of the economy during the past few decades. It is currently the beginning of an even larger and faster change because of recent advancements in machine learning (ML), which can accelerate the pace of automation itself. Even though it is clearly visible that ML is a "general purpose technology", at par with the steam engine and electricity, which inspires several different innovations and capacities, there is little agreement on the projected consequences on the workforce and the economy. This research determines each employee's salary increase at a particular organization based on several factors and the datasets that are available. To determine which machine learning algorithm is most apt and appropriate for the task, two machine learning algorithms are compared. The use of machine learning, a useful tool, is being made to facilitate and ease the work of business management systems.</p>	

**10 Tree Transparency:** The proposed platform has several unique and distinctive features that set it apart from traditional tree planting initiatives. The platform emphasizes the importance of proper monitoring and evaluation of the trees planted, which is often overlooked in traditional tree planting initiatives. To monitor the growth of trees based on a reward system. Analysis of trees planted with the help of geo tag, sensors and image detection. It promotes transparency and accountability by enabling NGOs and government bodies to track the growth and lifespan of each tree planted, as well as the usage of funds using Blockchain. Transparent adoption of trees. Our proposed platform for planting and monitoring trees stands out due to its focus on transparency, citizen involvement, and data-driven decision-making. NGOs and government bodies can transfer funds and track tree growth, ensuring accountability and effective use of funds. Citizen volunteers monitor trees and receive rewards, promoting community involvement and proper care. Data collected is used to make informed decisions on future planting and care initiatives. Sustainability-focused: Our platform is focused on ensuring the long-term survival of trees planted. By preventing premature death, we can contribute to a healthier environment and a more sustainable future.

**“The above Project Team has Participated in Yukti Innovation Challenge”**

**11 Automatic Electric Vehicle Charging Station**

**Achievements:**

- Achieved First place in PRAKALP 2023 (Hardware) category held on 10<sup>th</sup> March 2023 organized by CRCE, Mumbai
- Selected for round 3 of SPIT innovation cup and shortlisted in top 12 among 140 teams. The team was awarded amount 5000/- as a sponsorship.
- Successfully completed Evaluation in Innovation Cup 23 AICTE- SPICES and AICTE IDEA lab sponsored event conducted on 8th April 2023 by IEEE- WIE, SPIT, Mumbai.





- 12** **Meta Store - Shop Virtualizer** Although e-commerce is a very old term, it remained a luxury in India for a long time until Reliance launched Jio. It had a very big role to provide internet to everyone in India in turn promoting online shopping. The introduction to cash on delivery and 30 day return policy gave confidence to the young Indian adopters. In today's global economy, advanced technology plays an important role in the fashion retail industry. With advances in technology like Augmented Reality, retailers can offer customers the ability to try on clothing virtually. Our project acts as an intermediary step to combine offline and online shopping. This is the crux to the idea of virtual shops. It gives the users the security of offline shopping with the modern and slick experience of online shopping.
- The purpose of metastore is to fill in the gap existing between online and offline shopping. The shopkeeper can click pictures of the apparel in the given format and then develop materials and textures for the 3D model. The user can then virtually try different apparel on the web app.
- Objectives:**
- To develop a web application to virtualize the store catalog.
  - To build a convolutional neural network to convert apparel images to 3D Models.
  - To try the different apparel on a 3D human model.
  - To view the created outfits in Augmented Reality
- Published Indian patent.**
- Application Number: 202321018653**
- Date of filing: 19/03/2023**
- Publication date: 14/04/2023**



**H. Highlight selected start-ups established by students/faculties with mention of founder/cofounder name**

Selected Innovations : TRL level 3-4

1.	<b>Asthagraha</b> – Santo Sunny, Prof. Swati Ringe TRL Level 9
2.	<b>Nicevibes.co</b> – AI-Driven Employee wellness program TRL Level 9 Aryan Khyatam
3.	<b>ArBOR Track</b> -Prof.Monali Shetty,Vijay Prajapati,Deon,Ryan TRL Level 8-9
4.	<b>Organ Donation and Transplantation</b> - Sahil Bodhke, Prof. Kranti Wagle TRL level 3-4
5.	<b>Coconut Harvester</b> – Arnav Chawathe , Prof. Vaibhav Godbole TRL level 3-4
	<b>Mediblock</b> : A One stop Destination for Interoperability between Patients and Doctors - Ishaan Loomba, Prof. Swati Ringe TRL level 4-5

**I. List if any break through Innovations / Technology Developed at the institute (2-3 technology with 2-3 lines about technology and innovation**

Sr. No	Title of the Project	Mentor Name	Abstract(Short Description)
1	<b>Car Customization Tool powered by the GEN-AI model LLAMA-2</b>	Prof.Sujatha Deshmukh	  <p style="text-align: center;"><b>Mumbai-Hacks Winter Edition-2024</b></p>
2	<b>Classifying And Examining Deforestation Patterns And It's Environmental Implications</b>	Prof.Monali Shetty	<p>This research aims to identify whether the area is deforested or non-deforested over 36 districts of Maharashtra. The study utilizes 10-meter land use/land cover satellite images obtained from ESRI Sentinel-2 for detecting deforestation. The images over the distinct periods 2017-2019, 2018-2021, 2020-2022, and subsequent periods are considered. To detect changes between two input images, the study employs a deep learning-based Siamese network and utilizes AdaBoost, an ensemble learning technique, for binary classification of multiple geospatial features. The study acknowledges the limitation of satellite imagery for characterizing deforested areas. It incorporates additional geospatial factors such as river erosion, proximity to road infrastructure, elevation parameters, forest fire, and ongoing construction tasks. By assessing these factors, the study determines the deforestation status of a specific area. The algorithms used in the study classify areas as either forested or deforested based on the changes in the relevant features among the input. If there is a reduction in the relevant feature, the area is categorized as the 'decreased class.' Conversely, if there is no change or an increase, the area is classified as the 'similar or increased class'. In conclusion, this study's relevance lies in preserving the forested area by providing urgent action to safeguard nature and contribute to the sustainable development and environmental well-being of Maharashtra.</p>

			
3	<b>Collaborative Subscription Sharing Platform</b>		<p>Managing multiple subscriptions just got easier! Our innovative app, inShare, not only facilitates subscription sharing but also helps optimize your budget and manage subscriptions efficiently.</p>
4	<b>AI Powered Legel Documentation Assistant</b>	Prof.Monali Shetty	<p>The objective of this problem statement is to develop an AI-powered solution that can simplify legal documentation for individuals and small businesses in India, by automatically drafting legal documents in plain language and using easy-to-understand terms. The objective of this problem statement is to develop an AI-powered solution that can simplify legal documentation for individuals and small businesses in India, by automatically drafting legal documents in plain language and using easy-to-understand terms.</p> 

			 <p style="text-align: center;"><b>SIH 2023</b></p>
5	<p><b>Land Profiling of Asset Creation Process</b></p>	<p>Prof Supriya Kamoji</p>	<p>In the realm of asset creation and land profiling, various technologies and tools are leveraged to ensure precision and efficiency. This includes the creation of 3D wireframe volumetric models, comparing these models for analysis, estimating work requirements, and utilising platforms like Firebase Storage and Firestore Database for data management. Additionally, the integration of Django and the use of drones play pivotal roles in streamlining this process. We will be capturing video of the target for the 3D model from this the end users (i.e the site engineer) can measure the dimensions from the 3D model . Also we can compare 3d models on a timely basis and get the work done percentage based on the volume of the model.</p>  <p style="text-align: center;"><b>SIH 2023</b></p>
6	<p><b>Compilation and Collection of optimum Level (variable) of data set from the Chemical and Petrochemical Industries in the country.</b></p>	<p>Prof.Hemant Khanolkar</p>	<p>Compilation and Collection of optimum Level (variable) of data set from the Chemical and Petrochemical Industries in the country, aiming to smoothen the decision-making and insight generation in the strategic initiative.</p> <p>The chemical and petrochemical industries generate a vast amount of data, but its availability and organization vary across companies. A solution is needed to compile and collect an optimum level of data sets. Key aspects include data standardization, efficient data collection, optimum data selection, data analysis, and data privacy and security. The solution should standardize data</p>

			<p>formats, facilitate data collection, and ensure data quality. It should also implement analytical tools to identify trends and correlations, facilitating strategic decision-making. The solution should prioritize data anonymization, encryption, access controls, and audit trails to protect sensitive information. This will streamline data compilation and collection processes, promote data-driven decision-making, and drive industry growth, sustainability, and innovation.</p> 
7	<p><b>Speech to Speech Mental Health Assistant Using Machine Learning</b></p>	<p>Prof.Archana Lopes</p>	<p>This project presents a speech-to-speech mental health assistant utilizing advanced machine learning techniques, designed to provide accessible mental health support in Hindi. By integrating automatic speech recognition (ASR) technology and natural language processing (NLP), the system enables users to engage in personalized counselling sessions. Users can express their thoughts through speech, which is then transcribed, translated, and processed to generate context-aware responses. The system aims to ensure inclusivity by addressing the needs of non-English speakers, offering empathetic guidance, and self-reflection. The real-time interaction ability and fine-tuned language models create a seamless user experience, contributing to the mental well-being of individuals from diverse linguistic backgrounds.</p>

			 <p><b>Secured Third Place at National Level Project competition PRAKALP 2023 organized by FrCRCE on 16th April 2023</b></p>
8	<b>Intelligent Interior Design Companion</b>	Dr. Sujata Deshmukh	<p>To create an intelligent Conversational AI platform that allows users to effortlessly plan and visualize their dream spaces.</p>  <p><b>TSEC HACKATHON</b></p>

**J. Participation of IIC-institute in various programs of Central and Stage Govt. Highlighting specially for the schemes or programs**

- ARIIA – Participation
- IA – Faculty Participation (40)
- NISP Adoption status – Joined the campaign
  - Trained Faculty- Yes
  - Policy Formulation – Done and Approved.
  - Policy Implementation – Action Plan Prepared and On-going
- YUKTI - Number of Ideas submitted – 50+
- **SIH 2023 HACKATHON PARTICIPATION, AICTE-MIC PARTICIPATION IN INNOVATION DESIGN ENTREPRENEURSHIP (IDE) BOOTCAMP**
- IIC REGIONAL MEET PARTICIPATION – Poster Presentation and Two Ideas Demo Exhibition
- **ATL LINKAGES-**



**ACCEPTED** 64478345 -HANSRAJ MORARJI PUBLIC SCHOOL AND  
JUNIOR COLLEGE  
**AWAITING** 65147458 -VIDYANIDHI V.P. HIGH SCHOOL

**TINKERING LAB** is a platform where creative and enthusiastic students from all the departments of the institute can try out their ideas with experimentation with the goal of making designs, prototypes, and products. During the entire process of tinkering in the lab, students will learn the process of problem-solving, designing, prototyping, product development, product testing, and marketing. Since students from different departments are joining the tinkering lab, it acts as a facility where the exchange of ideas from different domains takes place.

<http://fragnel.edu.in/index.php/tinkering-lab>

PHOTOS

**TINKERING LAB:**





**1) TINKERING LAB ACTIVITY AT SCHOOL HANSRAJ MORAJI PUBLIC SCHOOL MUMBAI ON 9th Feb 2024**

CSI council along with their Mentor Prof. Ashwini Pansare successfully conducted second Atal Tinkering Lab Activity for IIC CRCE, at HMPS Andheri West. The primary objective of the session was to introduce students to the concept of AI, its applications in various fields, and specifically its utility in aiding their academic projects and presentations with the help of AI tools. It was conducted for students of Std 11 of computer science and IT dept

**2) TINKERING LAB ACTIVITY AT SCHOOL NIKUNJ [https://youtu.be/mT88TVTk5mE?si=3\\_-1zBAklGi6BBgK](https://youtu.be/mT88TVTk5mE?si=3_-1zBAklGi6BBgK)**

**PREINCUBATION UNIT:**



**CHANDRAYAAN MAHOTSAV: (4<sup>TH</sup> SEPTEMBER 2023)**



**TEAMS/COUNCILS FELICITATED AT ANNUAL FUNCTION AS PER NISP**



**TEAMS- Mumbai university**

### INTERNAL SMART INDIA HACKATHON(55 TEAMS) 16<sup>TH</sup> SEPTEMBER 2023

The banner features logos for G20 India 2023, Ministry of Education, AICTE, MoE's Innovation Cell, and the 75th anniversary of India's independence. It prominently displays the text "INTERNAL INSTITUTE LEVEL HACKATHON" and "16th September 2023 09:00 AM onwards". The bottom of the banner identifies the event as being held at "FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING BANDSTAND, BANDRA(WEST)".



### SMART INDIA HACKATHON 2023



**AICTE-MIC PARTICIPATION IN INNOVATION DESIGN ENTREPRENEURSHIP (IDE) BOOTCAMP**



  
**INNOVATION, DESIGN AND ENTREPRENEURSHIP (IDE) BOOTCAMP (PHASE - II)**  
 (Design Week Celebration)

**AICTE MIC IDE BOOT CAMP (PHASE - II) || VARDHAMAN COLLEGE OF ENGINEERING, HYDERABAD**  
 (21 January 2024 to 02 February 2024)

PITCHING RESULT 02-Feb-24

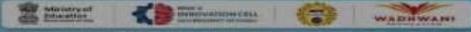
Position	Team Name	Name of the College
FIRST	Femto Core	National Institute of Technology Visakhapatnam, Tamil Nadu, Visakhapatnam
SECOND	Eco Energy Experts	S.S.R.K.P. Engineering college, Andhra Pradesh, Eluruvaran
THIRD	AI Plan Craft	Stanley College of Engineering and Technology for Women, Telangana Hyderabad
FOURTH	Diamond Shine	WJR & KSR Institute of Technology and Sciences, Andhra Pradesh- Guntur
FIFTH	Link savers	Parmanandha College of Engineering, Andhra Pradesh, Eluru
	ZenithZest	Fr-Conceicao Rodrigues College of Engineering, Maharashtra, Mumbai

Sd/-  
**NODAL CENTER SPOC**  
 Dr J Krishna Chaitanya,  
 Vardhaman College of Engineering,  
 Hyderabad - 501 218

Sd/-  
**KNOWLEDGE PARTNER & NODAL OFFICER**  
 Nared Ahmed Ansari, Yashwanth Foundation

Sd/-  
**NODAL CENTER HEAD**  
 Ms Shvanti Sharma, AICTE, New Delhi





**INNOVATION, DESIGN AND ENTREPRENEURSHIP (IDE) BOOTCAMP (PHASE - II)**  
(Design Week Celebration)




**AICTE MIC IDE BOOT CAMP (PHASE - II) || VARDHAMAN COLLEGE OF ENGINEERING, HYDERABAD**  
(29 January 2024 to 02 February 2024)  
**PITCHING RESULT**

02-Feb-24

Position	Team Name	Name of the College
FIRST	Ferrite Core	National Institute of technology Tiruchirapalli, Tamil Nadu, Tiruchirapalli
SECOND	Eco Energy Experts	S.R.K.R Engineering college, Andhra Pradesh, Bhimavaram
THIRD	AR Plan Craft	Stanley College of Engineering and Technology for Women, Telangana, Hyderabad
FOURTH	Diamond Shine	KKR & KSR Institute of Technology and Sciences, Andhra Pradesh, Guntur
FIFTH	Limb savers	Ramachandra College of Engineering, Andhra Pradesh, Eluru
	ZenithZest	Fr Conceicao Rodrigues College of Engineering, Maharashtra, Mumbai

Sd/-  
**NODAL CENTER SPOC**

Sd/-  
**KNOWLEDGE PARTNER & NODAL OFFICER**



**Dr. Surendra Rathod received "INDUSTRY ACADEMIA COMMUNITY EXCELLENCE AWARD"**



**Dr. Sapna Prabhu Received World Education Congress EDUTECH LEADERSHIP AWARD**



**PARTICIPATION AT IIC REGIONAL MEET**



IIC Regional Meet Mumbai at Pillai Rasayani



**Yukti Team 1 Participating at Regional Meet**



**Yukti Team 2 Participating at Regional Meet**

**Yukti Participating Team 2 Received a Fund of of Rs 6 Lakhs from AICTE -MIC**



**YUKTI Innovation Challenge 2023**  
List of Innovations eligible for grant assistance from AICTE/MIC

77	IR2023-831042	stem tide HEAD MOVEMENT AND VOICE CONTROLLED WHEELCHAIR FOR QUADRIPLEGIC PATIENTS	DR SUMIT SINGH PHUKELA	Haryana	₹ 4,00,000.00
78	IR2022-773491	Withanolide A -a potent inhibitor of mitochondrial HSP90 of Hepatocellular Carcinoma (HCC)	Dr. P.K.Praveen Kumar	Tamil Nadu	₹ 5,00,000.00
79	IR2023-865167	HAND GESTURE CONTROLLED PHYSICAL AND DIGITAL TWIN OF ROBOTIC ARM	Ojas Jain	Andhra Pradesh	₹ 6,00,000.00
80	IR2024-896565	ROCKVED - A Gamified Approach to Vedic Mathematics and ISRO	Pranav V	Karnataka	₹ 6,00,000.00
81	IR2024-896584	Vani- Speech and sound interventioapp	Saniyaa B Shetty	Andhra Pradesh	₹ 6,00,000.00
82	IR2022-782362	AsthaGraha Educational Space Game	Santo Sunny	Maharashtra	₹ 6,00,000.00
83	IR2022-800075	Fabrication of electronic kit using spectrophotometric method to detect contaminants in Oils such as olive oil and vegetable oil	shaik kareem ahmmad	Telangana	₹ 5,00,000.00

### OTHER ACHIVEMENTS



#### Aryan Kyatham

- TIAA AI Retire-Hackathon winner (National Level)
- Aeravat SPIT Hackathon winner (National Level)
- GDSC BitnBuild winner (International Level)
- SunHacks winner (International Level)
- Google Cloud GenAI top 10 (APAC region)
- Crescendo, Prakalp winner, Buildspace S5
- Got into Build3 startup accelerator in Goa and secured 25 lakhs funding
- AI & DS branch Topper 2x



Aryan Khatam, Sharvin Gavad, Neston and



Rishabh Pathak, Pritesh Kunder and Sahil Khan secured second position at Hackathon

Myron secured first rank at national hackathon "Aeravat" at SPIT in March 2024 and first rank at national hackathon "Matrix" at Fr.CRCE in Feb 2024

"Syntechathon" organized by Rishi Dayaramseth Hassaram National Science College in Feb 2024 and also 2<sup>nd</sup> place at HackMania held at Atharv College of Engineering



SHARK TANK WINNERS AT FR.CRCE



**TEAM MEMBERS:**

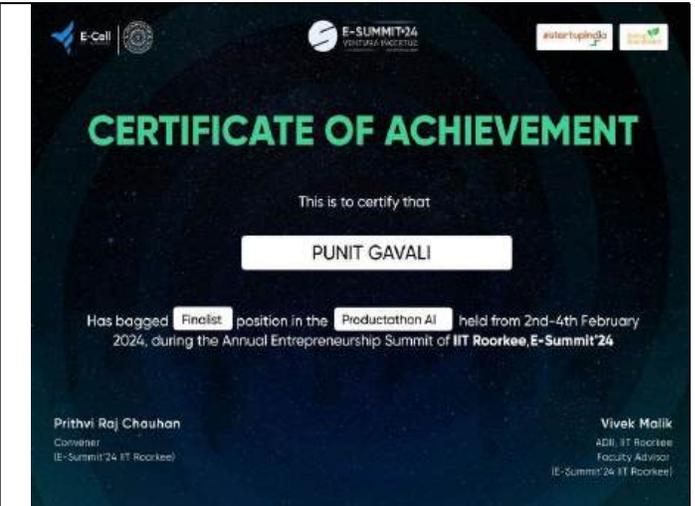
VANSH THAKKAR (TE COMPS A)  
PUNIT GAVALI (AI & DS)  
SHUBHAM SHANBHAG (ECS)  
ASHWIN SHUKLA (ECS)



**Congratulations!!**

**FINALISTS  
AT PRODUCTATHON AI HACKATHON  
IIT ROORKEE**







### K. Detail of Social Media & Connections of IIC institute

IIC-CRCE Instagram Link: <https://www.instagram.com/agnelcrcebandra/>

IICCRCE Twitter: <https://twitter.com/agnelcrcebandra>

IIC Facebook Link: <https://www.facebook.com/iicfrcrce>

College website: <http://www.frcrce.ac.in/>

YouTube Channel :[https://www.youtube.com/channel/UCOpSiHmOCy4\\_j5aP14XYThg](https://www.youtube.com/channel/UCOpSiHmOCy4_j5aP14XYThg)

**INNOVATION AMBASSADOR TRAINING(8 FACULTY COMPLETED IN THE YEAR 2023-2024)**  
(Till date 40)

<p>This is to certify that <b>Mrs. Anshika Bhatia</b> of <b>Fr Conceicao Rodrigues College of Engineering , Maharashtra</b> has undergone Innovation Ambassador (IA) training Foundation Level (Total 16 Sessions of 30 contact hours) conducted in online mode by MoE's Innovation Cell &amp; AICTE during the IC calendar year</p> <p>Date: 30-08-2024 Certificate No.: IA/Foundations/107750</p>	<p>This is to certify that <b>Dr. Ashok Kante</b> of <b>Fr Conceicao Rodrigues College of Engineering , Maharashtra</b> has undergone Innovation Ambassador (IA) training Foundation Level (Total 16 Sessions of 30 contact hours) conducted in online mode by MoE's Innovation Cell &amp; AICTE during the IC calendar year</p> <p>Date: 30-08-2024 Certificate No.: IA/Foundations/107750</p>
<p>This is to certify that <b>Hemant Kharolkar</b> of <b>Fr Conceicao Rodrigues College of Engineering , Maharashtra</b> has undergone Innovation Ambassador (IA) training Advanced Level (Total 16 Sessions of 30 contact hours) conducted in online mode by MoE's Innovation Cell &amp; AICTE during the IC calendar year</p> <p>Date: 30-08-2024 Certificate No.: IA/Foundations/107750</p>	<p>This is to certify that <b>Rishabh Patil</b> of <b>Fr. Conceicao Rodrigues College of Engineering, Bandra, Maharashtra</b> has undergone Innovation Ambassador (IA) training Advanced Level (Total 16 Sessions of 30 contact hours) conducted in online mode by MoE's Innovation Cell &amp; AICTE during the IC calendar year</p> <p>Date: 30-08-2024 Certificate No.: IA/Foundations/107750</p>
<p>This is to certify that <b>Dr. Sunil Yadav</b> of <b>Fr Conceicao Rodrigues College of Engineering , Maharashtra</b> has undergone Innovation Ambassador (IA) training Foundation Level (Total 16 Sessions of 30 contact hours) conducted in online mode by MoE's Innovation Cell &amp; AICTE during the IC calendar year</p> <p>Date: 30-08-2024 Certificate No.: IA/Foundations/107750</p>	<p>This is to certify that <b>Vijay Manoj Shinde</b> of <b>Fr Conceicao Rodrigues College of Engineering , Maharashtra</b> has undergone Innovation Ambassador (IA) training Foundation Level (Total 16 Sessions of 30 contact hours) conducted in online mode by MoE's Innovation Cell &amp; AICTE during the IC calendar year</p> <p>Date: 30-08-2024 Certificate No.: IA/Foundations/107750</p>

L. Testimonials from IIC members and external about IIC institute and IIC of MoE's Innovation Cell



My tenure as the Technical Secretary of the Institution's Innovation Council (IIC) at Fr. CRCE has been one of the most rewarding experiences of my academic career. IIC stands as a testament to the power of collaboration and innovation, consistently driving forward the boundaries of what's possible in technology and entrepreneurship.

The council's commitment to nurturing talent through a wide array of events, from thought-provoking workshops to intense hackathons, has not only honed my technical abilities but also strengthened my leadership skills. IIC is more than just a platform for innovation, it is a community where ideas are nurtured, and creativity is celebrated.

In my role, I was fortunate to contribute to and lead initiatives that challenged our thinking and pushed us to develop solutions to real-world problems. The experience of working closely with a dedicated team of students and mentors has been invaluable, teaching me the importance of teamwork, perseverance, and adaptability.

The support and guidance from our faculty members have been instrumental in our success, and I am grateful for the trust and responsibility placed in me.

Special Thanks to our Respected Principal Sir Dr Surendra Singh Rathod, Prof Kranti Wagle and Prof Swati Ringe for always guiding and mentoring us throughout this journey .

IIC at Fr. CRCE is truly a hub for aspiring innovators, and I am proud to have played a part in its journey toward excellence.

Vignesh Kombathula  
Technical Secretary 2023-24.





*Serving as a student coordinator for IIC FrCRCE was an immensely rewarding experience. I had the opportunity to play a key role in documenting and sharing the vibrant array of events hosted by our college. This role enhanced my organizational skills and showcased the institute's commitment to fostering innovation.*

*The Institution's Innovation Council provides robust support for startups and innovative projects, offering valuable resources and mentorship to aspiring entrepreneurs. Their initiatives and events create a dynamic environment where creativity is nurtured and new ideas can flourish. Working with the Council allowed me to see firsthand their impactful role in driving forward-thinking projects and empowering students to explore and develop their entrepreneurial aspirations.*

*My heartfelt appreciation goes out to Prof. Kranti Wagle and Prof. Swati Ringe for their constant support and guidance. It was an honor to contribute to the Council and support their vision through my role.*



Reanne Deosta  
Student Coordinator



8:15 Student at Fr. Conceicao ...  
1w • Edited •

Thrilled to announce our win for the Best Innovative Solution Award for our EV Conversion Kit Project! 🏆 Learn more about our groundbreaking technology and how it's revolutionizing the future of transportation. I would also like to thank my teammates **Sahil Bhuvad** and **Aaryan Singh Negi** for their valuable contribution.

Meet the incredible minds behind our groundbreaking EV Conversion Kit Project! 🚀 Passion, dedication, and innovation drive us as we pave the way for a greener future.

#Innovation #ElectricVehicles #AwardWinning



41 8 comments • 1 repost

Like Comment Repost Send

**Dr. Bhushan Patil** • 1st  
Professor and Dean (Research and Develop...  
Congratulations Dear Students

Video Testimonial by Higher Authority: Dr. Surendra Rathod – Head of the Institute

<https://youtu.be/l7rsYYwyDgk>

Dr. Deepak Bhoir – ARIIA coordinator

<https://youtu.be/lkzk0rjNtKo>



Prof. Kranti Wagle  
Convener IIC -Fr.CRCE