

Report
on
Entrepreneurship Development Cell
Activities
in
2023 - 2024

by
EDII Hub @ Thiagarajar College of Engineering,
Madurai - 625015



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2. ANICUT Student Innovator Open House

TCE Technology Business Incubator of Thiagarajar College of Engineering, in collaboration with Anicut Capital LLP, E-Cell TCE, and IIC organised a Pitchdeck event on 28.07.2023. A total of 21 innovative ideas were showcased by young innovator teams during this Pitch. Total of 51 students from various departments participated. The event was held at TSS CAR, TCE.



Panel of Experts:
Ms. Ankita Poddar
Associate
Anicut Capital



Panel of Experts:
Ms. Arushi Maheshwari
Associate
Anicut Capital





Team Medicons pitched the idea of Portable Doppler to the judging panel and received a fund of Rs.25,000.

Team members: Adithya S, Sharanya G, Mentor: Dr.S

Demo Day

DEMO DAY is a pitching event organized by the Entrepreneurial Development cell, IIC and TCE-TBI of our institution to showcase the ideas and projects of 18ES390-Design Thinking Course. It is a prime event to pitch the ideas/projects of top 4 teams (II year students) from all department of TCE. The participants have exhibited their ideas/prototypes at the open auditorium on 18.11.2023 between 02.00 pm and 04.30 pm. First year students have visited the demonstration. This event has highly motivated the first year students to inculcate them a thought of being “**An engineer**” as “**Solution Finder**”. This exhibition has provided the opportunities for discussions with faculty evaluators, and also seeds the ideas for further refinement. The co-ordinators of the event are Dr.B.Ashokkumar (AP/EEE), Dr.M.Senthilarasi (AP/ECE) and Mrs.C.Santhiya (AP/CSE). The number of participants for the event is 117 across seven departments namely EEE, ECE, Civil, Mechanical, Mechatronics, IT and CSE. The total number of teams participated in the event is 27. Their details are as follows

Almost 400 first year students have visited the event. The participants have received the



feedback from the evaluators to promote their ideas and projects to the next level. The snapshots are given below. The demonstration of each team was evaluated based on the following categories such as Stake Holder Requirement Analysis, Idea Formulation, Specification, Development, Application of Engineering Principles, Design, Environmental Consideration, Ethics, Team Work, Content Organization and Presentation.

TAMIL NADU STUDENT INNOVATORS 2023 PROGRAMME

Tamil Nadu Student Innovators 2023 Bootcamp was held on 7th to 9th March, 2023. It was jointly organized by Entrepreneurship Development and Innovation Institute (EDII), Chennai & EDII HUB at Thiagarajar College of Engineering, Madurai. The event was held at Thiagarajar College of Engineering, Madurai. There were 50 teams participated from in and near around Madurai region.

Dr.S.Chandran, Hub Coordinator and Associate Dean, Entrepreneurship, Thiagarajar College of Engineering welcomed the participants and highlighted the TNSI Program.



TNSI Demo day was held at Anna University, Chennai on November 1, 2023.

Students Products were displayed in the stalls allotted to provide a platform for the students to present their innovations to potential investors, mentors, customers, and the wider community.

A Seed grant of **1 Lakh** rupees was awarded from the MSME minister of Tamilnadu. Team members: Adithya S and Sharanya G, Mentor: Dr.S Julius Fusic



3. Faculty Orientation Program

TCE Technology Business Incubator of Thiagarajar College of Engineering has conducted a three-day Faculty Orientation Programme on NEN Ignite in collaboration with wadhvani group of institutions. This event was held on 13th July, 2023 to 17th July 2023. A total of 27 faculties underwent intensive training in setting up ventures and mastering the art of running successful businesses. With this newfound knowledge and expertise, they are now looking forward to nurturing a future student group that will embrace entrepreneurship as a career path. The Speakers of the programme were Naved Ahmed., Senior regional manager- NEN (South) and Dr. R Sujatha, Principal-Entrepreneur Education of the Wadhvani Foundation for providing us with this wonderful opportunity to empower our faculties and students on the journey of innovation and entrepreneurship.



**THIAGARAJAR COLLEGE OF ENGINEERING
MADURAI**



ENTREPRENEURSHIP DEVELOPMENT CELL (EDC)



NEN
NATIONAL ENTREPRENEURSHIP NETWORK



IN ASSOCIATION WITH

NATIONAL ENTREPRENEURSHIP NETWORK (NEN)

CORDIALLY INVITES YOU TO

**FACULTY ORIENTATION PROGRAMME (FOP) ON
IGNITE**

GUESTS



DR SUJATHA
PRINCIPAL EDUCATOR,
WADHWANI FOUNDATION

MR NAVED AHMED

**SR. REGIONAL MANAGER- NEN (SOUTH)
WADHWANI FOUNDATION**



13.07.23 TO 15.07.2023

9.30 AM TO 4.00 PM

VENUE : CIVIL SEMINAR HALL





List of faculty completed the FOP is listed below

<u>S.No</u>	<u>Name</u>	<u>Designation</u>	<u>Dept</u>
1	K.HARIHARAN	Pofessor	ECE
2	M.SENTHILARASI	Assistant Professor	ECE
3	E. MURUGAVALLI	Assistant professor	ECE
4	K.Rajeswari	Associate Professor	ECE
5	S JULIUS FUSIC	Assistant Professor	MECT
6	M.M.DEVARAJAN	Assistant Professor	MECT
7	G. KUMARAGURUPARAN	Professor	MECT
8	Meenakshi Devi M	Assistant Professor	EEE
9	P.M.DEVIE	Assistant Professor	EEE
10	B.Ashok Kumar	Assistant Professor	EEE
11	N. Shivakumar	Assistant Professor	CSE
12	C.Santhiya	Assistant Professor	CSE
13	S.Karthiga	Assistant Professor	IT
14	P.Karthikeyan	Associate Professor	IT
15	JEYAMALA C	Associate Professor	IT
16	C VIGNESH	Assistant Professor	MECH

17	M. Balamurali	Assistant Professor	MECH
18	PRAKASH T	Assistant Professor	MECH
19	R.SIVASANKARAN	Assistant Professor	MECH
20	S Chandran	Professor	Civil
21	J EUNICE	Assistant Professor	Civil
22	R. Sanjay Kumar	Associate Professor	Civil
23	K.MUTHU PREMA	Assistant Professor	Civil
24	K KEERTHY	Assistant Professor	Civil
25	K.Athiappan	Assistant Professor	Civil
26	SELVA KUMAR C	Assistant Professor	MECH
27	Serमारaj M	Assistant Professor	MECH

4. CEO Connect

1. A SUCCESS STORY OF AN ENTREPRENEUR

Resource Person–

The poster is for a webinar titled "CEO Connect: A Success Story of an Entrepreneur". It is organized by the Department of Electronics and Communication Engineering (ECE) and the Entrepreneurship Development Cell (EDC) at Thiagarajar College of Engineering (TCE). The event is also organized by the Institution's Innovation Council (IIC) at TCE. The guest speaker is Dr. Sivasundari Saibabu, an alumna of the TCE-ECE batch of 1992-1996, who is currently the Director of Pollucare Engineers India Pvt. Ltd. in Chennai. The webinar is scheduled for Wednesday, August 30, 2023, from 4:30 pm to 6:00 pm at the ECE Seminar Hall. All are invited to attend. The poster includes a QR code for registration and social media handles for TCE and the organizing departments.

Department of Electronics and Communication Engineering
TCE - Entrepreneurship Development Cell
and
Institution's Innovation Council @ TCE
Jointly Organize a Webinar on
CEO Connect
"A Success Story of an Entrepreneur"

Guest Speaker
Dr. Sivasundari Saibabu
(Alumna TCE-ECE Batch 1992-1996)
Director, Pollucare Engineers India Pvt. Ltd.,
Chennai

Date: 30th August 2023 (Wednesday)
Time: 04.30 pm to 06.00 pm
Venue: ECE Seminar Hall
All are invited

Join with Google Meet:
Meeting Code: 226 960 020

www.tce.edu | TheOfficialTCEPage | tce_madurai | tceofficial

Dr. Sivasundari Saibabu, Director, Pollucare Engineers India Private Limited

This CEO connect was organized by Department of ECE in association with ECell. In an insightful address held at the ECE seminar hall on August 30, 2023, from 4:30 p.m. to 6:00 p.m., Dr. Sivasundari Saibabu, an esteemed entrepreneur, shared her remarkable journey with

students. She stood amidst the academic aura, echoing the energy of aspirations and the promise of a brighter future. Dr. Saibabu recounted her path from academic pursuits to the pinnacle of entrepreneurship, driven by unwavering belief in the power of dreams.

Dr. Sivasundari's narrative intertwined academic beginnings with unwavering perseverance, guiding her through the labyrinth of academia. She emphasized that challenges and uncertainties are the threads that weave the tapestry of success. Her journey showcased the evolution of Pollucare Engineers India Pvt. Ltd., a testament to the fusion of innovation and passion.



**Invited Talk by Dr.Sivasundari,
Director, Pollucare Engineers India
Pvt.Ltd.**

The essence of her message lay in embracing change, donning multiple roles, and channeling passions into something extraordinary. As the clock neared the gathering's conclusion at 6:00 p.m., she urged students to seize challenges as opportunities and wield education as a tool for change. Dr.Saibabu's story encapsulated the potential within each student, inspiring them to forge their paths and craft destinies of greatness.



**Event participants along with
faculties**

The total number of participants joined the session offline and online are 48 and 19 respectively.



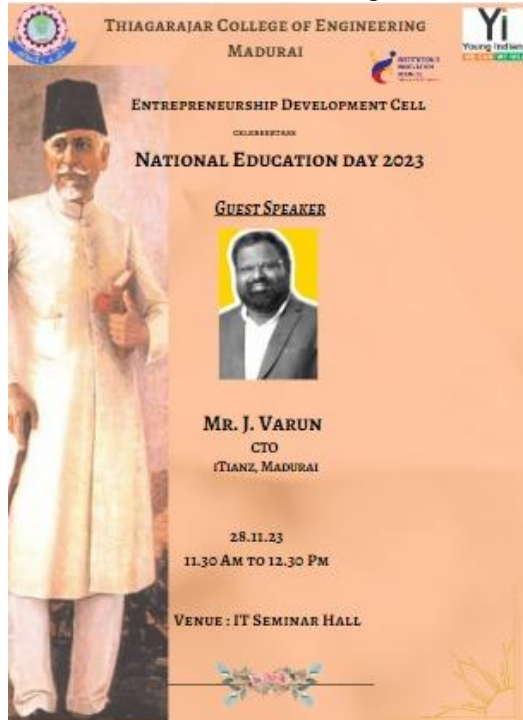
StudentInteraction



2. Celebration of National Education Day 2023.

In connection with the National Education day, 11.11.2023. Department of CSBS and IT Co-organised the CEO connect program to the students of TCE. Around 50 student participated in the event and gained insightful experience of the speaker and his journey of success.

The guest of honor was Mr. J. Varun, CTO, ITIANZ, Madurai. The speaker emphasized the importance of ethical leadership, corporate social responsibility, and sustainability in entrepreneurship. The importance of a growth mindset which is needed to overcome challenges and to stay focused on their long-term goals.





Welcome address by

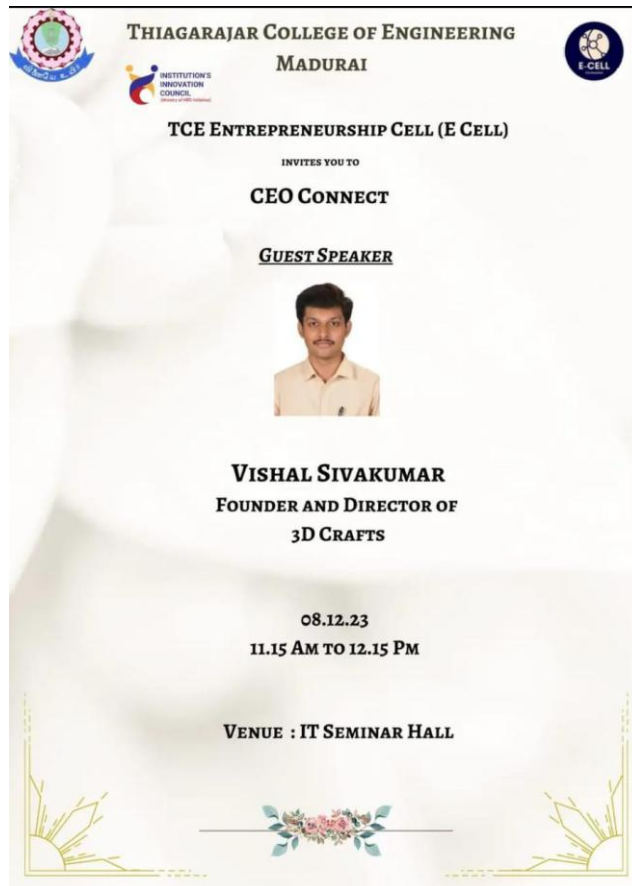
Dr.S.Chandran, Dean - Students



3. Startup culture at college

Department of Mechatronics and Department of CSBS jointly to organized the CEO CONNECT program on encouraging startup culture among the students at a very young age. Resource person, Vishal Sivakumar, Founder and Director of 3D Crafts highlighted the need to develop their strategic thinking and decision-making skills. Nearly 60 students participated in the event. This event was held on 8th December,2023.





Welcome address by
Sebin Sunny P, CEO @ TCE-TBI

5. Student Events

1. MADURAI HACKATHON

**Thiagarajar College of Engineering, Madurai
Entrepreneurship Cell**

Madurai Hackathon 2023

The Madurai Hackathon 2023 organized by the Madurai Tech Community(MTC) along with Thiagarajar College of Engineering(Hosting Partner) took place on August 11th and 12th 2023 at TCE. 210 participants from 20 different colleges and industries in Tamil Nadu attended the Hackathon. The Theme of the hackathon was based on Madurai as a Smart City having the following problem Statements

1. Green Environment -
 - 1.1. Green Environment Awareness,
 - 1.2. Eco Homes and Offices,
 - 1.3. Madurai Aesthetics
2. Solid Waste Management –
 - 2.1. Dry Solid Waste Segregator and Shredder,
 - 2.2. Bio Waste Volume Reducer,
 - 2.3. AI-based Wet and Dry Solid Waste Segregation Identifier
3. Infrastructure-
 - 3.1. Collaborative Platform for Urban Planning,
 - 3.2. Road Accidents Control,
 - 3.3. Map-Based Parking Application
 - 3.4. Map-Based Ward Boundaries App,
 - 3.5. Transportation Access for Differently Abled Persons

Madurai Tech Community promotes technology for societal good and creates a platform for students from colleges in and around Madurai to leverage the expertise of industry experts. More than 210 participants from 20 colleges participated in this 2-day hackathon. The students were coached and guided by 20 industry mentors, and their ideas were evaluated by an eminent jury of 7 industry leaders.

First Prize

Team Name: GREENM

An application to create Green Environment Awareness

Department: BE Computer Science and Business Systems(CSBS), TCE

SHRINIVAS S 21H048

HRUSHIKESH S 21H015

AADHITYA M 21H001

NAGESH EBR 21H032

SANTHOSH KMR 21H044

Cash reward of Rs.30,000/-

Second Prizes

Team Name:NULLBYTE

An application prototype to control Road accidents

Department: M.Sc Data Science(DS),TCE
SENTHIL SHUNMUGAM 21S028
SHYAM SUNDAR M 21S030
KRITHIKAA R K 21S020
Cash reward of Rs.25,000/-

Team Name:INITIATORS
An Application to show Madurai Ward based Boundary using Maps
Department: M.Sc Data Science(DS),TCE
SWEATHA S M
HARSHINI V
JAYA LAKSHMI R
FATHIMA FIROSE A
JAYSHNEE T S
Cash reward of Rs.25,000/-

Team Name:TECH_TITANS
An Application to show Madurai Ward based Boundary using Maps
Department :B.Tech IT, TCE &PSNA,Dindigul
Sudharson C (IT TCE)
DINESH RAM C (Alumnus of PSNA)
SUPRAJA.R (PSNA)
Mitun S (PSNA)
Sanjai P (PSNA)
Cash reward of Rs.25,000/-

Third Prizes

Team Name:TECHXPLOERS
A prototype model developed to reduce the Volume of Biowaste
Department: B.E ECE
KAMESHWARI KA
KAYALVIZHI B
HEMA PRIYADHARSHINI M
DEVISREE VEERA PARVATHY S
SANDHIYA SAHANA P
Cash reward of Rs.15,000/-

Team Name:TECHTITANS
An application prototype to control Road accidents
Department: BE Computer Science and Business Systems(CSBS)
BHAGAM PRIYAL M
GOWTHAM R
JERIL JOHNSON
KESAVAN D
SACHIN K
Cash reward of Rs.15,000/-

Team Name: ELEGANT ENERGY MONITORS
A solution to create Eco friendly Home and Office Environment
Department:BE,EEE, Sethu Institute of Technology,Madurai

K. VISHVA
S. SANTHOSH KUMAR
K. PANDIARAJAN

Cash reward of Rs.15,000/-



Dean Students: Dr.S.Chandran,CIVIL

Co-Ordinators: Mr.SebinSunny,TCE TBI,CEO &Ms.C.V.NishaAngeline,IT

Co-Coordiators: Dr.B.AshokKumar,EEE&Dr.S.Karthiga,IT

Madurai Hackathon 2023 organized by Madurai Tech Community during 11th – 12th August, 2023 at TCE, as a hosting partner. The theme for this year was smart city. Many of our student teams participated and prize winners of the event are listed below,

S.No	Team Members	Dept	Prize	Title
1	AAdhitya	CSBS 3rd Years	I	GreenM- Sustainable way of throwing waste
	Srinivas			
	Hrushikesh			
	Nageswara			
	Santhosh KMR			
2	KAMESHWARI KA	ECE 2nd Years	II	DigesTech - Bio Waste Volume Reducer
	HEMAPRIYADHARSHINI M			
	KAYALVIZHI B			
	DEVISREE			
	VEERAPARVATHY S SANDHIYA SAHANA P			
3	Jeril Johnson	CSBS 3rd Years	II	Road accidents control
	Bhagampriyal M			
	Sachin K			
	kesavan D			
	Gowtham R			



E cell Coordinator

Dean Students

2. JETRO(JETRO - Japan External Trade Organization)

It is a Japan collaboration project expo organized department of IT on 12th and 13th october, 2023. Many teams presented their idea and they are listed below,

S.NO	NAME	PROJECTTITLE
1	HARIHARANVJ	DECENTRALISEDONLINERIDEHAILINGSYSTEM
2	RAGHULR	
3	GOWSIGANM	
4	VIDHYADHARANS	BLOCKCHAINBASEDCERTIFICATEVERIFICATIONSYSTEM
5	BARATHANS	
6	SATHEESH	
7	SANTOSHPRABHUV	
8	ARAVINDHKANNANB	SAFETY EQUIPMENT ANDCONDITIONS MONITORINGSYSTEMINMANUFACTURINGINDUSTRY
9	JAISONABHISEKG	
10	SUBASH S	
11	VENKATALAKSHMI	PHYSIOTHERAPY ANDAUDIOVISUALINTEGRATION
12	SAKTHI	
13	SHIVANUJA	
14	VIDHYADHARANS	CARBODEX
15	HARSHINILARAAK	CATARACT PREDICTION USINGTRANSFERLEARNING
16	DAYALAXMIS	
17	AISHWARYAN	
18	JAKILARSATH	EMOTIONMONITORINGOFSTUDENTS
19	N PATHRINARA YANAN	
20	SARUN	MOBILE GAME FOR PHYSICALLYCHALLENGEDPEOPLE
21	SSHREERAM	
22	VIGNESHWARRAJA	
23	JAKILARSATH	DESIGN AND DEVELOPMENT OFIOT DRIVEN PERSONALIZEDMENTAL HEALTH MONITORINGSYSTEMUSINGMLTECHNIQUES
24	SUGANTHI	
25	ABIRAJABOOPATHIM	
26	KRISHNAMOORTHYK	

27	MAHAKALEESWARAN R	ENERGY CONSUMPTION AND MONITORING SYSTEM
28	RAVIKUMAR P	



Idea of digitalized scanning robot - for sculptures

Team name:

MECHATRONICS

Team Members:

ADITHYA S, DEVAPRASAD
S, SHARANYA G, SRIHARI
M, SRIDHARA PRASATH S

3. PALS PECAN Capture the Flag (CTF)

IITM PALS in collaboration with ECU conducted a PECAN Capture the Flag (CTF) hackathon for various fellow institutes. PECAN+ is a Cyber Security Capture the Flag (CTF) competition, held on 15thfeb, 2024. Initially the trainers were trained for the tools and requirements of the hackathon called as train the trainer session. Later the student teams were selected and they were given with the training and practice challenges to prepare themselves for the active day. The student teams those who participated are listed below,

S.No.	Prize	Team members	Dept(yr.)
1.	Top scorers	Sathya A	IT 2nd Year
		Apprameyu B	AMCS 4th Year
		Amritha PP	
2		SRIRAM VIGNESH V	ECE 3 rd year
		OMPRAKASH B	
		VARUN S	
3.		Rithishkanna S	CSBS, 3 rd year
		Gowtham R	
		Sugindar AD	



3. IDEAHARVEST 2024

TCE TBI and IKP EDEN have partnered for a unique design Challenge as a part of Design impact movement, a social initiative of TITAN. Ideaharvest is a multistage event, the various stages are listed below,

Phase I: Online submission in Titan portal and TCE TBI Google form

Phase II: Department Level Physical Pitch Event

Phase III: Regional Level Pitch (Top teams nominated from every department)

Phase IV: Recommending the top 10 ideas to the National Level

In accordance to the process the various departments at TCE conducted a department level pitch to shortlist the best ideas for the regional pitch deck. The objective is to foster innovation and entrepreneurial spirit among the students.

S.No.	Department	DATE	Resource Person	No. of student teams participated	No. of Selected teams
1.	CSBS	05.03.24	Ranji K Vaidyanathan, Varnadow Professor, Oklahoma State University,	22	5
2.	IT	06.03.24	Mr.GopinathPandian,	14	5
3	AMCS	07.03.24	TCE- TBI	11	5
4	CIVIL & MECH	07.03.24	Sebin Sunny, CEO, TCE,TBI	6	6
5	Mechatronics	18.03.24	Sebin Sunny, CEO, TCE,TBI	25	5
6	EEE		Velayutham S, Founder & CEO, Tamira Bot	16	
7	ECE		Mr. AjmeerKajaMohideen is the Advisory of Tarcin Robotics, Mr. Arif Mohamed Khan is the Founder of Tarcin Robotics.	31	7
8	CSE	05.03.23	Harish Ganapathi TKG Co-Founder at Prodbrew	20	5

COMPUTER SCIENCE AND ENGINEERING- IDEAHARVEST '24

Resource Person

Harish Ganapathi TKG Co-Founder at Prodbrew(<https://prodbrew.com>)

Founder at Binarychakra(<https://binarychakra.com> [linkedin.com/in/harishganapath](https://www.linkedin.com/in/harishganapath))



Winning teams to regional level

TEAM NO	PROJECT TITLE	TEAM DETAILS
1	AIOT Integrated Farm	Muthukumaran S - 22C1560 - CSE Barath S - 22C019 - CSE Sree Harish T - 22C120 - CSE Ishwarya N - 22C050 - CSE
2	YourHealthAi	Jasmine A - 22C054 – CSE Sandhiya P - 22C106 - CSE Periyanna M - 22C088 - CSE Athithyan R - 22C017 - CSE
3	MedVirtuso	Manoj S - 22C073 – CSE Vijay Krishna A N - 22C138 - CSE Divyalaxmi O S - 22C030 - CSE Jeyanthi N - 22C056 - CSE
3	Audizen	Sibaath Ahmed S - 22C117 - CSE Harishma D - 22C047 - CSE Evelyn David - 22C033 - CSE Bhavadharani M- 22C022 - CSE

4	AgriConnect	ShriVaisalini LCK - 22C115 - CSE Deephika E - 22C024 - CSE ShabariVignesh U - 22S027 – Data Science
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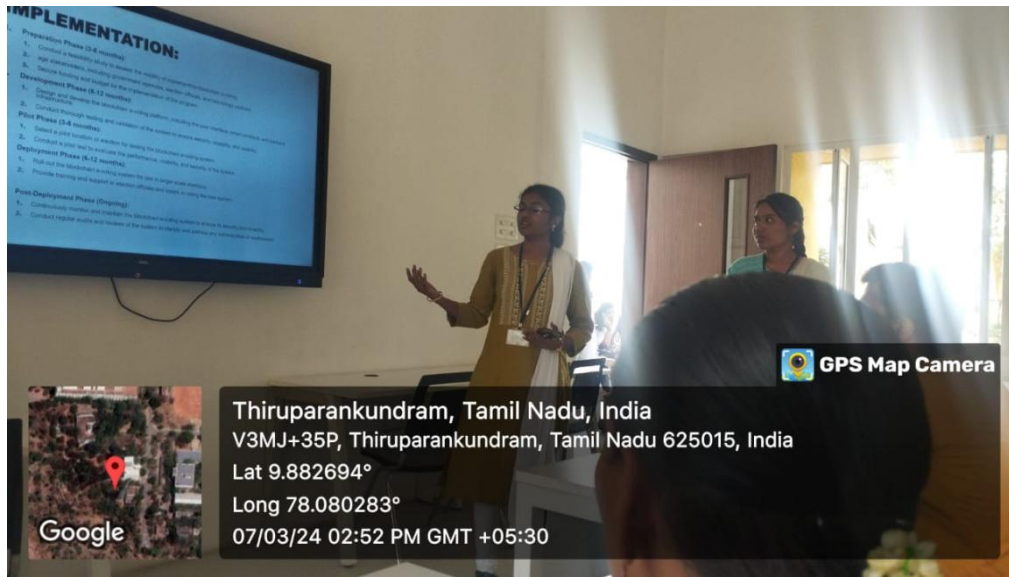
Applied Mathematics and Computational Science- IDEA HARVEST 2024

In association with TCE-TBI, Our Department Organized the Idea Harvest on 7th March 2024. 11 Teams registered and out of that 5 teams shortlisted for finalist in Titan organized Idea Harvest 2024 at College level.

Department level Pitch

Name	Year	Project Name
Naga Dhyanesh R	2	Safety Gear Identification
BharathKesav M	2	
Dona A L	4	
Madhav L	4	
SenthilShunmugam K	3	RODE AWARE
Harshini V	3	
Poornima K R A	2	AQI + Healthcare
Kavya Shree A	2	
Vinikshaashri A. M.	3	Food App for Madurai
Sowmya S. D	3	
Merlin Jenita J	2	Harvest Hub - An Interactive Platform
Sharmila M	2	





Regional Level Pitch

In Idea Harvest 1 team from our Department shortlisted for Nationals organized by Titan.

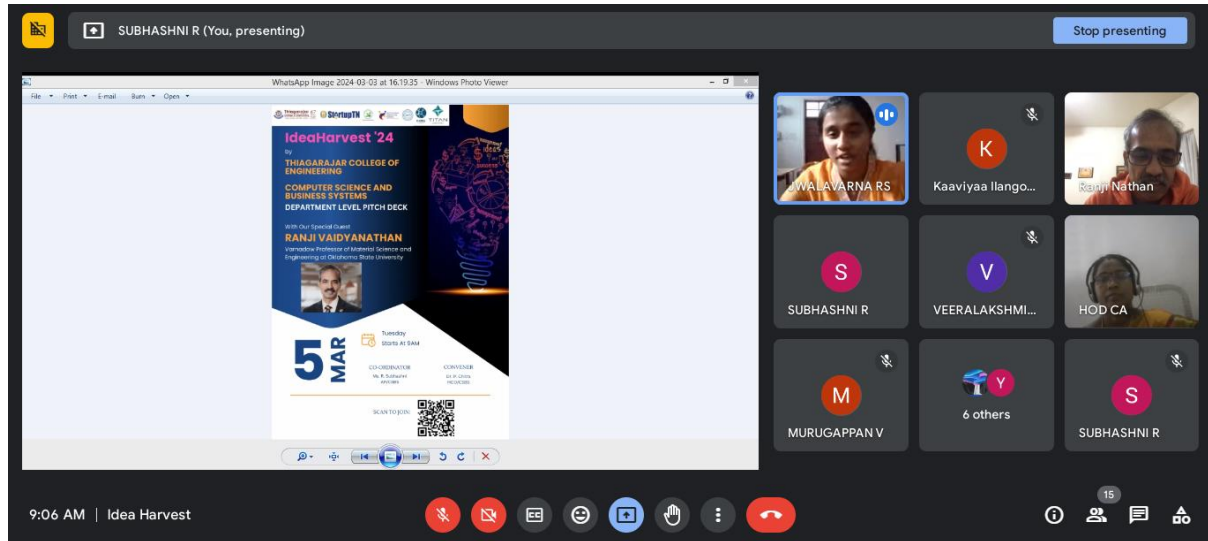
Name	Year	Project Name
Naga Dhyanesh R	2	Safety Gear Identification
BharathKesav M	2	
Dona A L	4	
Madhav L	4	

Civil Engineering – Ideaharvest’24

In association with TCE-TBI, Department of Civil Engineering jointly with Mechanical and Data Science organized the Idea Harvest on March 2024. 5 Teams registered and out of that 2 teams shortlisted for finalist in Titan organized Idea Harvest 2024.



CSBS- Ideaharvest'24



The teams participated are

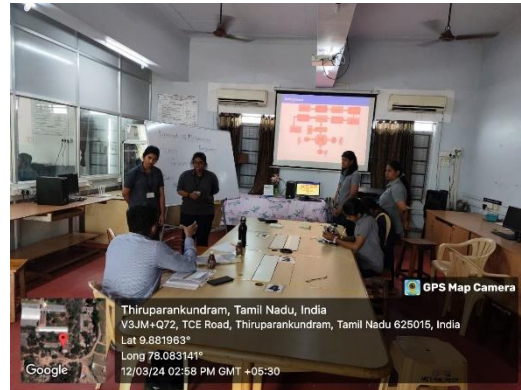
SINo	TeamLead	Domain
1	MurugappanV	Healthcare
2	ReeshmanSanofar A	Environment
3	ArunkumarS	Healthcare
4	Sahana.S	Healthcare
5	PrakashRaamMK	Healthcare
6	AntrewVikasA	AgricultureandLivelihood
7	S.Viswaaselvam	Environment
8	Monisa.R	Healthcare
9	Kaaviyaa	Environment
10	AnjanaDevi R	Environment
11	VisakaP	AgricultureandLivelihood
12	HrushikeshS	Environment
13	GayathriB	Healthcare
14	SudhikaK	Healthcare
15	AkshayaR	AgricultureandLivelihood
16	Viswadarshan	AgricultureandLivelihood

17	VijayadhaarshiniV	Healthcare
18	SivapraveenaP	Healthcare
19	Yashwanth	AgricultureandLivelihood
20	SangeethaPriya.S	AgricultureandLivelihood
21	PoojaV	Healthcare
22	GideonGlady	Environment

Out of the 5 shortlisted for regional pitch 3 teams have been selected as finalist for national level pitch deck.

MECHATRONICS- Ideaharvest'24

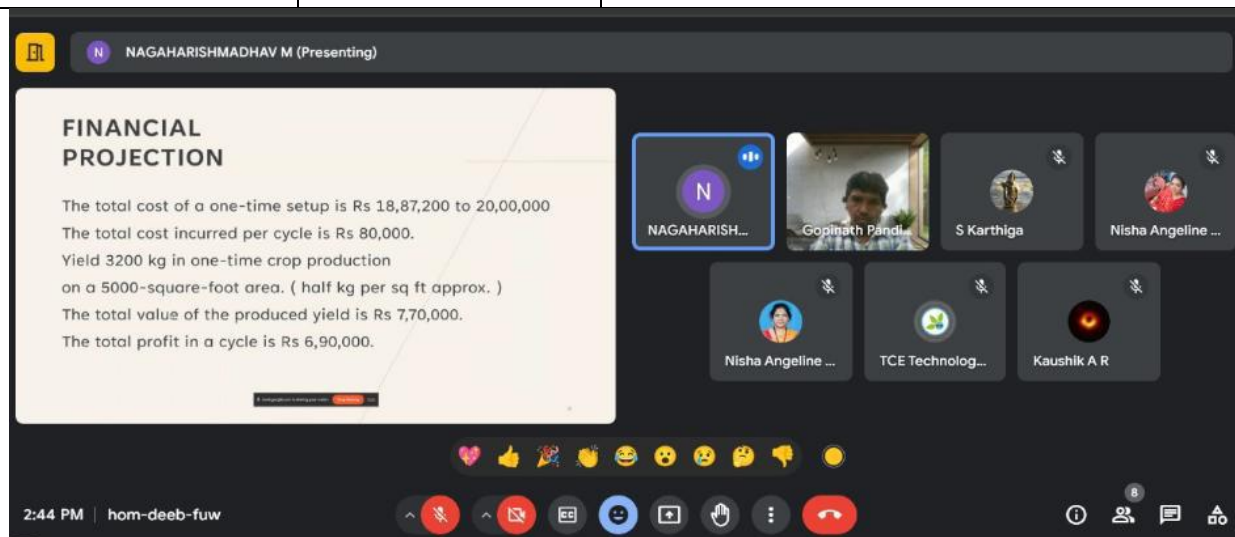
In association with TCE-TBI, Department of Mechatronics Engineering Organized the Idea Harvest on March 2024. 26 Teams registered and out of that 5 teams shortlisted for finalist in Titan organized Idea Harvest 2024. In Idea Harvest 4 teams from Mechatronics shortlisted for Nationals organized by Titan.



Information Teachnology- Ideaharvest'24

S.No	Team Leader	Topic
1	Kaushik A R	Social inspired custom creations through AI printing
2	P.Satheesh	Cognimammo - An AI Based breast cancer prediction system
3	VivekAr	Synthetic Image Dataset Generator using GAN Models
4	Tarunika V	Women wealth chatbot
5	Aravindhkannan B	Fabrics defect detection
6	John Thomas A	Developing and Evaluating an AI-powered Chatbot for Improved Mental Health

7	DhahiraShreen I	Animal Assisted Therapy For Autism Spectrum Disorder using Virtual Reality
8	Varunkrishna V	Smart hand gesture monitoring system for enhanced user interaction
9	PRABA N	An IOT device that emit high-frequency sounds, can repel animals without causing harm ,thus protecting the crops.
10	UMESHWAR M	Public Transport System
11	SRINITHI S	Insect infestation alerts and expert-endorsed prevention methods for crop and storage protection
12	RITIKA S	Sustainable and efficient water treatment and irrigation system
13	HARISHANKAR M	Effective management of patient medical records
14	NANDHAKUMAR K	Vertical farming



Shortlisted to Titan for Presentation and Funding

1. Sakthi,ShriramRS,Vikram,VivekAr - Synthetic Image Dataset Generator using GAN Models
2. DhahiraShreen,KaleeswariM,Lavanya - Animal Assisted Therapy For Autism Spectrum Disorder using Virtual Reality
3. Sathesh P, NAVEEN V,BARATHAN S,SRI KARTHICK N S - Cognimammo - An AI Based breast cancer prediction system

Out of the 62 teams presented for ideaharvest'24 at regional, which also included other college student teams from in and around Madurai, only 14 teams are shortlisted for the national pitch.

6. E-Cell Valedictory Function

Thiagarajar College of Engineering, Madurai

Entrepreneurship Development Cell

Ref: TCE/E-Cell/2024

25.03.24

Submitted to the Principal, TCE

Sir,

Sub : Requesting Permission for conducting Valedictory Function of TCE – E-cell - reg

We are glad to organize the valedictory function of TCE E-Cell on 05th April, 2024 for congratulating our students' achievements and motivate them further. Hence we kindly request you to grant us permission to conduct the same and provide the financial assistance.

Chief Guest Details

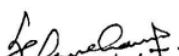
Name : Mrs. Chitra Ganapathy
Designation : Managing Director,
Kadambavanam Ethnic Resort and Cultural Center, Madurai.

S.No	Details	In (Rs)
1.	Chief Guest memento	3000
2.	Chief Guest Refreshments + Miscellaneous	500
3.	Prize amount for Events	20,000
4.	Certificates	3000
5.	Refreshment	3000
	Total	29,500/-

Thanking you



E-Cell Coordinator



Dean – Students



Principal



Mrs. Chitra Ganapathy, Managing Director, adambavanam Ethnic Resort and Cultural Center, Madurai has shared her experience on her entrepreneurial journey.





7. Student achievements

1. CASE Labs

E-Cell TCE has conducted a Business case study competition for the students to encourage Practical Application of Knowledge with Teamwork and Collaboration. This enables the students to delve into real-world business challenges and refine with problem solving skills. This event was conducted on 20.09.2023 at TCE. 71 students participated in the event and the winners are listed below,

Case Labs	Winners	Valliammai A R	EEE	III	The matrix
		ThangaMeena R	EEE	III	
	Runner UP	Sriram P	Mech	III	CAPFORT
		Shakthi Pa	Mech	III	
		Shiva Gomathi K K	Mech	II	
		Nithiyanandham	Mech	II	
	2nd Runner Up	Anand M S	CSE	I	Euphonium
		Jack Raffel J	IT	I	
		Nathan J	IT	I	

	2nd Runner Up	Dheepika	ECE	I	Phoenix Parade
		Sairathna M	CSE	I	
		Visaka P	CSBS	I	
	Special Mention	Akshara A	MCA	II	Opus Geeks
		Jayasuruthy I	MCA	II	
		Aarthika M	MCA	II	
		Sri Varsha G	MCA	II	

2. SIH 2023

The Smart India Hackathon is an initiative launched by the Government of India as part of its Digital India program. It is a nationwide initiative aimed at harnessing the creativity and technical expertise of students to solve problems faced by various industries and sectors using technology. The hackathon provides a platform for students to showcase their innovative solutions to real-world problems posed by government and industry organizations.

Flooding teams from within the college participated in teams, out of which 8 teams reached the finalist and they attended a boot camp followed by the original pitch held at different location in India. The given below depicts the final shortlisted teams,

S.No.	Prize	Team Members	Dept-Year	Ttitle
1	Winners - 50,000/-	Abinaya S	IT 2nd Year	IP Fusion - Gamified Platform for IPR awareness
		Dharshini A	IT 2nd Year	
		Harini S	IT 2nd Year	
		Remila Joys Mary A	IT 2nd Year	
		Aswini S	CSE 2nd Year	
		LakshikaSundaresan	CSE 2nd Year	
2	State Level Mobile Game Development contest -2023-24	Abinaya S	IT 2nd Year	TrashTrek - Gamified Platform for Plastic Waste Management
		Dharshini A	IT 2nd Year	
		Harini S	IT 2nd Year	
		Remila Joys Mary A	IT 2nd Year	
		Aswini S	CSE 2nd Year	
		LakshikaSundaresan	CSE 2nd Year	
3	Finalists-Haryana	Sharanya G	MECT 4th Year	
		PUGALENTHI U		
4	Finalists - Jaipur	Devika CG	MECT	

		Anguraj S	3rd Years	
		Dhiyaneshwaran R		
		Abdul Farith R A		
		AlaguPariksit A		
		Rishenath E		
5	Finalists - Bhopal, MP	SREE HARINI G	CSBS 2nd Year	Enhancing safety within school zones
		ANAGA SHRI K	IT 2nd Year	
		RIYA BOBBY	ECE 2nd Year	
		KANISHKA SEKAR	IT 2nd Year	
		SARRAN S R	ECE 2nd Year	
		SOWMIYA K	ECE 2nd Year	
6	Winners - 50,000/-	VIMAL KUMAR R	Civil 3rd Year	Call for Toilet Technology
		SURUTHIKA V	Civil 3rd Year	
		SOMASUNDARAM M	Civil 3rd Year	
		SRIHARI P	Civil 3rd Year	
		PRIYADHARSHINI G	Civil 3rd Year	
		VISHNUPRABHA K J	Civil 3rd Year	
7	Finalists	ASMITHAA K	Civil 2nd Years	GEO TAGGING OF PLANTATION IN THE CATCHMENT AREA OF HYDRO PROJECT
		GOMATHI U		
		SUGITHA A		
		AISHWARYA R I		
8	Finalist-Mumbai	Aashifa T A	CSE 2nd year	Development of VR technology for DhatuposhanaNyaya
		Gokulkumar G	CSE 2nd	

			year
	Akash K	CSE	2nd year
	Shriniha N M	CSE	2nd year
	Anantha Krishnan S	CSE	2nd year
	Yashwanth P S	CSBS	2nd year

2. IDE BOOTCAMP

Finalist of SIH 2023 has participated in one week IDE bootcamp arranged by AICTE and wadhvani foundation in Sri Ramakrishna Engineering College, Coimbatore from 29 January to 2 February, 2024. Other student team from department of mechatronics also participated, details are Team Name: Tra!Blazers, Team Members: AISHWARYA RI, ASIMITHAA K, SUGITHA A, SHARANYA G.



3. PALS INNOWAH

Every year they conduct the innoWAHHackathon for the member colleges. For the past 4 years we have been one among the top finalists, in 2021 we got the Qualifiers award and in 2022,2023 we got the 2nd and 3rd Prizes. It is a great opportunity for you to interact and get mentoring from IIT Professors, Industry Experts and a chance to have your ideas as Startup. The theme of the year 2023-24 is Startup Solutions for Sustainability Challenges. After multiple rounds of scrutiny, the student teams have won the 1st and 2nd prizes. Other teams listed here got shortlisted as finalist.

S.No.	PRIZE	Team Members	Dept(yr.)	Ttitle
1	1	Sachin K	CSBS 3rd Year	Accident Prevention System
		Bhagampriyal M		
		Gowtham R		
		Kesavan D		
		Jeril Johnson		
2	2	Sarveshwaran V	IT 2nd Year	AI Assisted Virtual Lawyer - Lawbot
		VijaiVarshshan M	IT 2nd Year	
		Dinesh S	IT 2nd Year	
		Michael Valan E M	IT 2nd Year	
		HariPrasanna M	CSE II year	
3	Finalists	Nithin D	IT 2nd Year	An assistive kit for Alzheimers' patients
		Devi Raksitha R	IT 2nd Year	
		Shravya Das VD	IT 2nd Year	
4	Finalists	SIVARANJANI S	Civil 2nd year	Sustainable milk packaging material
		DEEPADHARSHINI G R		
		AnagaShri K	IT 2nd Year	
		Srinithi S	IT 2nd Year	
5	Finalists	Deepak R	MECH 3rd Year	
		Sethu Surya R		
		Gautam V		
		Karthik Raja A		

3. MOMENT 24

It was conducted in NIT, Trichy on 28th to 31st March 2024 that aims to provide a platform for budding engineers to showcase their prowess and skills. The students participated in number of events and competitions and won cash prize. Their names are listed below,

Prize	Team Members	Dept	Yr.	Title
Rs.5000	HARINI V J	CIVIL	I	Plastic Pave
	HARIVARSHNI V N	CIVIL	I	Plastic Pave
	MUTHUGOPIHAA M	CIVIL	I	Plastic Pave
Rs.4000	ALAN J	CIVIL	III	Geo Confluence
	AATHITHYA	CIVIL	III	Geo Confluence

Rs.3000	SURENDHAR	CIVIL	III	Geo Confluence
	VIMAL KUMAR R	CIVIL	III	Geo Confluence
	VISHNUPRABHA K J	CIVIL	III	Geo Confluence

4. EMPOWER CHALLENGE

The Student Design Challenge (SDC) at the EMPOWER conference has been introduced to encourage a greater participation of students and early-stage innovators to contribute to the growing assistive technology sector in India and the Global South. The winning teams will receive cash awards and an opportunity to attend EMPOWER 2023 at IIT Madras Research Park and present their ideas to a distinguished panel of experts in the assistive technology space. The listed students were shortlisted for the event,

Shortlisted	SHREYA R	ECE 3rd Years	Detection of counterfeit notes for visually impaired people
	VISHWADHIKA R		
	HARISH S		
	MARIA BELLARMIN JOEL J		
	VISHNUPRIYA S		
	VARUN S		Tactile Vision Tablet
	ROSHINI B		
	ANANDBABU M		
	KATHIRVEL M		Detection of counterfeit notes for visually impaired people
	KARTHIKA S		
	NEKITA SHRI S		
	VISALAKSHI M		
	SIVANI R		
	AKSHAYA S M		

5. MNIT JAIPUR

It was a IEEE CIS Hackathon held on 07th september 2023 at MNIT Jaipur. Student team participated and won a cash prize of Rs. 1500 for getting a special mention in the event.

S.No.	Team Members	Dept(yr.)	Title	Venue
1	Shrinivas S		Event Flow managemen	MNIT Jaipur
	chiranjathSshakthi MA	CSBS 3rd year		
	Hrushikesh S			

6. ENVISION 2023

Envision 2023 was held on Jan 4th and 5th, 2024 at IITM RP. EnVision is India's First Energy Festival serving as a platform to ideate, collaborate, share perspectives, and accelerate the adoption of renewable energy in the country. With the pressing challenges

brought forth by India's current climate scenario, EnVision 2023 returns with a vision to emphasize the urgency of "today", which will ultimately safeguard our collective "tomorrow". List of students who participated at the event are,

S.No	Register Number	Name of the Student	Dept	Year
1.	21D082	Saktheeswaran .A	ECE	3
2.	21D106	Syed Abrar.G	ECE	3
3	64613	V.P.DHARANI	CIVIL	3
4	21G082	Priyadharshini	MECH	3
5	20F052	G.Saranya	MECT	4
6	20F004	Aishwarya KJV	MECT	4
7	917721 H041	Sachin K	CSBS	3
8	21H015	Hrushikesh S	CSBS	3
9	21IT011	Annaamalai.U	IT	3
10	21IT122	Vivek Ar	IT	3

7. NIRAL THIRUVUZHA

NiralThiruvizha 2023 is an annual Event for college students organized at State level through 7 regions and 38 Districts. The objective of this event is to trigger an innovation mindset among the student community which in turn develops the skills of our students across various sectors. A diverse culture will always trigger diverse solution for a particular problem, this challenge is going to create a healthy competition among our students also enhances the quality of our student community which in turn ensures the skill enhancement of our Global employers requirements. Nearly 48 final year student teams participated by submitting their idea template and 5 were shortlisted as the finalist. Each finalist team is also provided with the Budget of Rs. 10,000 (needed for hardware implementation) . The finalist teams shortlisted are listed below,

S.No.	Finalist	Team Members	Dept(Yr.)	Title
1	Niral Finalists	JeyaRamana T	IT Final Year	Agritech& Food Technology
		Rakeshwaran S		
		Sriman P		
2	Niral Finalists	Balachandar P, Deepihashini K	MECT Final Year	Design and development of Cold storage for Horticulture
3	Niral Finalists	VALLARASU S	ECE Final Year	Design and Fabrication of a Soft Prosthetic Lower Limb Amputee for Motorcycle Riding
		AJITH PANDI P	ECE Final Year	
		BAJARATHULLAH S	MECT	

			Final Year	
		DEEPAK RAJAN GM	MECT Final Year	
4	Niral Finalists	Jayagayathri N	CSBS Final Year	Smart Town/City
		Nandhini S		
		Swarnamalaya S		
5	Niral Finalists	Ananth S	MECT Final Year	

8. YUKTI

Yukthi- An Innovation Maker Challenge Programme conducted by Yi Madurai, and StartupTN, held on 25th November, 2023. The winning team details is listed below,

Winner	Ekanthan P	MECT 4th Year
	SRIVATSAV ND	
	IlamThendral R	
	Harish Subramanian S	
	Aprakketh PDM	

9. KRIA AWARD

In the event IITMIC-KRIA'tive Innovation Awards 2023, among the top 23 Finalists – one of our student team has been selected as the finalist. This event was conducted on 25th & 26th April at IITM Research park. The Student Innovators Category was the idea of Portable Doppler to the panel members. Team details are given below,

1.	Finalists	Sharanya G, Adithya S	MECT,IV	Doppler	IIT Research Park
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8. Student Proprietorship

This is a business ownership structure where a student is the sole owner of a business venture. In this setup, the student assumes full responsibility for the operation, management, and financial aspects of the business. This form of entrepreneurship allows students to explore their entrepreneurial interests, gain real-world business experience, and potentially generate income while pursuing their education. A total of 4 teams have paved the path for Proprietorship . The list of student teams working as a startup and are either incubated or pre incubated are given below,

S.No.		Name of Startup	Sector of the Startup	Team members	Dept-year
1	Pre Incubation stage @ TCE-TBI	Vivid	IT	Shrinivas S	CSBS 3rd year
				Santhosh KMR	CSBS 3rd year
				Sachin K	CSBS 3rd year

				AntrewVikas A	CSBS 3rd year
				Aadhithiya B	Mech 3rd year
2	Pre Incubation stage @ TCE-TBI	GreenM	IT	Hrushikesh S	CSBS 3rd year
				Aadhithiya M	CSBS 3rd year
				Nagesh	CSBS 3rd year
				Santhosh KMR	CSBS 3rd year
				Shrinivas S	CSBS 3rd year
3	Proprietorship	Caarve it	IT	Jayadevan P K	DS 1 st year

The following student team has completed the UDAYAM registration as well, Naveen Raju P and Team (Mect final year) has completed the UDYAM Registration and first student in TCE to receive Proprietorship in the Enterprise titled “NEBLQ”. NEBLQ is a medical based manufacturing setup to initiate the proof of concept submission in Automatic Nebulizer system UDYAM-TN-12-0100549

UDHYAM Proprietorship	Registration	Properitors	Naveen Raju P	MECT 4th Year	MSME, NebIQ
			RishtaaJaishree R		
			Ram Sabarish		
			JKR		

9. Student Internship at IIT Madras, RP

TCE has launched IITM RP Build club on Sep 5th 2022 to encourage students to build innovative products. Experts from IITM RP and Maxelerater Foundations, Madurai have conducted various workshops and technical talks for the students. Efforts of the students in these workshops were overwhelming that were demonstrated in the completed Builds showcased by most of the students. To take this culture of building things to the next level, IITMIC/RP provides an internship opportunity to TCE Build Club students to work for the following 2 projects.

1. Design and development of a futuristic transport system for the country - Autonomous WheelChair Vehicle (AWCV)
2. Building an automatic wheelchair vehicle, which will travel on its own (without driver) and interface with passengers using local language voice - High-throughput Autonomous, Sustainable Human/Goods Transportation for India's next Century (HASHTIC)

There were 17 applications received from the students and after the screening done by the Panel of Judges, 10 students were recommended for the proposed internship and same sent to IITM RP

Team. IITM RP Team has shortlisted 8 students from TCE based on the selection criteria specified by Prof. Ashok Jhunjunwala, Institute Professor, IITM. The Selected student details are as follows:

Name	Reg.No	Dept
Harini.S	20C029	CSE
Roshan Jose A.J	20C072	CSE
Elanchezhiyan	20C021	CSE
Anto Raglin	20F007	MECT
Nithin Krishna J	20F046	MECT
Vetrivel. V	20F060	MECT
Lakshmi Narayanan KK	20F037	MECT
Karunasagar A	20H019	CSBS





IIT MADRAS IS TRYING TO CREATE MORE RANCHOS



The autonomous wheel chair vehicle team

► Exciting things are happening at IIT Madras Research Park (IIT-M RP) this summer. **A group of 50 starry-eyed engineering students from colleges across Tamil Nadu, Andhra Pradesh, Telangana and Kerala** are spending two-and-a-half months at the innovation ecosystem working with senior engineers, faculty and mentors on technology solutions for social impact.

► The students are in their 3rd and 4th years, from colleges such as Shri Vishnu Engineering College for Women (Bhimavaram, AP), BV Raju Institute of Technology (Telangana) Thiagarajar College of Engineering (TN), Avinashilingam

University for Women (TN).

► Half of the student interns and around 20 mentors and experts from the research park are building an autonomous wheelchair that speaks to the user in a language of their choice, takes them around on guided tours, and acts as a personal concierge. **The project is part of IIT-M's efforts to take their 'building' mindset to young college students across the country** and create what they call more "Ranchos" (Aamir Khan's character in 3 Idiots).

► **The idea behind the autonomous wheel chair vehicle (AWCV) is to marry the principles of universal design, voice technology, and natural language**

processing to create a product that ensures equal access and opportunities for the differently-abled. The AWCV comes equipped with a virtual guide to welcome visitors to the research park, interact with the visitors in English, Hindi, Tamil, and Indian sign language for the hearing impaired. The vehicle takes them through the innovation ecosystem, the companies incubated there, and the various centres of excellence housed. It also suggests routes with accessible ramps for the best experience.

► Work on AWCV commenced on May 15 and is a 11-week project.

— Sindhu Hariharan