



# COIMBATORE INSTITUTE OF TECHNOLOGY

(Government Aided Autonomous Institution)

(Affiliated to Anna University, Chennai & Approved by AICTE, New Delhi)

Established in 1956, A unit of V. Rangasamy Naidu Educational Trust

CIVIL AERODROME POST, COIMBATORE - 641 014, TAMILNADU, INDIA

CORRESPONDENT

PRINCIPAL

**Thiru S. RAJIV RANGASAMI M.Sc., MBA (USA)**

**Dr. A. RAJESWARI M.E., Ph.D.,**

## Subject: Shortlisted Teams for the Final Presentation Round for CIT SPARK 2025- Undergraduate Seed Fund

We are thrilled to announce the below shortlisted teams who will be proceeding to the final presentation round of the CIT SPARK GRANT 2025 - Undergraduate Seed Fund on **13.10.2025 [Monday]**

Congratulations to the following teams:

### Shortlisted Proposal – Mechanical/EEE/Chemical – IT211, 9am -12pm

S.No & Time	Project ID	Student Name	NAME OF DEPARTMENT	Faculty Supervisor	TITLE OF THE PROJECT
1 9.15 am	23	Anjana Radhakrishnan	Chemical	Dr.M.Thirumarimurugan	CoweCoGuard Design & Development of a Bio - Alternative to Thermocol (EPS): Converting Coir & Pond Weeds into Replacement Boards
2 9.30 am	9	Dhinakaran V	Mech	Dr. M. Karthikeyan	Sustainable utilization of waste Foundry Sand and Peastic Waste for value – Added compsie Materials
3 9.45 am	18	Akash R	EEE	Dr. E. Chandira Sekaran	Development Of An Autonomous Drone For Disaster Management
4 10.00 am	19	Dharsni S	Chemical	Ms.Nisha Subash	Development Of A Smart Biodegradable Food Packaging Films
5 10.15 am	11	Vinothan G	Mech	Dr. Balaji Ayyanar	Design of a bio-inspired peacock prosthetic leg using lightweight materials
6 10.30 am	20	Hariharapriyan Sg	Chemical	Dr M Thirumarimurugan	Electrochemical Performance of Metal Nanocomposites Integrated with Reduced Graphene Oxide(rGO) derived from spent Li-ion Batteries
7 10.45 am	26	Thakshin Kumar S T	Chemical	Dr. B. Uma Maheswari	Prototype Development Of A Sensor – Enabled Affordable Water Purification System For Arsenic And Fluoride Mitigation
8 11.00 am	5	Janardhana Advaith P	Mech	Dr. M. Karthikeyan	Design and Fabrication of an Incol-625 Axial Flow Agitator Impeller using Robotic WAAM with Cold Metal Transfer – MIG Welding Technique



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## Shortlisted Proposal - ECE/CSE/IT/AI & DS/ MSC - IT212 , 9am -12pm

S.No & Time	Project ID	Student Name	NAME OF DEPARTMENT	Faculty Supervisor	TITLE OF THE PROJECT
1 9.15 am	34	Geethai Priya J	CSE	Dr.M.Mohanapriya	Smart Procturing System
2 9.30 am	35	Rajithra R J	IT	Dr.M.Rajalakshmi	AI-Powered Code Analyzer And Issue Resolver
3 9.30 am	37	Jinu P	AI & DS	Dr Valliappan Raman, Dr M Prabhavathy	Blackboard AI : Instant Visual Learning
4 9.45 am	33	Parishith M R	CSE	Ms R Pavithra	Handwritten-To-Braille Converter With CNC Embossing
5 10.00 am	66	Akshara K	MSC DCS	Dr.S.Chandia	CogniSync: GenAI-Powered Music and Rhythm Therapy for Stroke and Parkinson's Rehabilitation
6 10.15 am	55	Madhumitha N	MSC AIML	Dr. D. Kavitha	SignBridge: Scalable Edge-Based Assistive Communication System for Deaf Inclusion
7 10.30 am	74	Lokesh Jayanth	MSC DS	Dr.M.Marimuthu, Dr.S.Gayathri Devi Dr S Suganthi	Integrating Biometric, Environmental, and Lifestyle Data for Skin Health.
8 10.45 am	45	Preethiev Raj I	AI & DS	Dr.N.Ramkumar	AI-Based Indian Sign Language Translator
9 11:15 am	42	Shahila Sulthana B	AI & DS	Dr M Prabhavathy	AI-Powered Predictive Care for Smart Electronics
10 11:30 am	29	Aadharsh B	ECE	Dr. Poongothai M	IoT-Based Support System for Cognitive Fatigue and Posture Detection Using CNN and Machine Learning
11 11.45 am	70	Aradhana S	MSC SS	Dr.A.Saravanan	SmartEdge: AI -Driven Multi- Cluster Hosting
12 12.00 pm	71	Dharun.M. R	MSC SS	Dr. Aruna.P	Adok Gallery



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All teams are kindly requested to adhere to the provided final presentation guidelines.

Thank you to every team for your dedicated time and expertise to submit a proposal for CIT SPARK GRANT 2025. Your innovative ideas and commitment were inspiring. We encourage you to continue developing your proposals and hope you will apply for future funding opportunities.

Thank you again for your valuable participation.

Sincerely

CIT SPARK GRANT 2025

*Rajiv*  
29/9/2025

*Rajiv*