



SYNOPSYS®



## ANVESHANA 2023-24 CHITTOOR REGION FINALISTS

### Dear Students,

At the outset, we would like to thank all the participants for their enthusiastic response, and for the time and effort given to the 3<sup>rd</sup> edition of Chittoor Region Anveshana. The journey from initial application and then scrutiny to this stage has been an exciting one for all of us. As you must now be aware, the overall objective of Anveshana is about mentoring young and vulnerable learners through innovative models of engineering and broadening the horizons of the children. While selecting the projects the Screening Committee went through the project synopsis sent by various groups on the relevance of the theme, how the project is broadening the knowledge of the young learners through the working models, and the innovation component.

The projects have gone through different levels of screening, involving eliminations based on the synopsis sent, execution and learnings. **26 projects** have been selected for final competition out of **102** projects registered. It was a tough job for the Jury to select the 26 Projects.

We take this opportunity to wish all the very best to all the finalists.

We thank you, with an earnest request to keep up this spirit of learning and teaching. Once again congratulations on being selected for the final competition.

The competition will be held in **the month of January 2024** (dates will be announced soon). Now it's time for you to gear up the mentoring process. If you need any help please contact.

More Information

S.D. Sagar - 9502236957

### Anveshana Chittoor Region 2023-24 Selected Projects List

SL NO	NAME OF THE ENGINEERING COLLEGE	PROJECT NAME	TEAM LEADER NAME
1	MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS), MADANAPALLE	Water and Electricity Tracking app	Jaganmohan Reddy Bondala
2	MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS), MADANAPALLE	TOWER EMISSION ANALYSIS	BANDI JEEVITHA
3	MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS), MADANAPALLE	Self-Electrical Energy Harvesting	HAREESH KUMAR YERRAGOLLA
4	MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS), MADANAPALLE	IoT based trolley for isolated patients	Siva Kumar Goud
5	MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS), MADANAPALLE	Wi-Fi controlled Home Automation using ESP8266 Node MCU	Veda Pragna Ennam
6	MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS), MADANAPALLE	REDIFINING RETAIL	G Bindusree
7	MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS), MADANAPALLE	DHARMA	DASARI BHARGAVI
8	MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS), MADANAPALLE	Health Scan: Affordable Diagnostics	Shaik Banuheer
9	MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS), MADANAPALLE	Autonomous Flying Quator for Public Safety	Mandala Sandeep
10	MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS), MADANAPALLE	CHATBOT TO RESPOND TO TEXT QUERIES PERTAINING TO VARIOUS ACTS, RULES AND REGULATIONS APPLICABLE TO COAL MINING INDUSTRIES	N. Sai Bhargavi

11	Kuppam Engineering College (KEC), KUPPAM	ASEPSIS PREVENTION PAEDIATRICS	ADIGUPPA ADI
12	Kuppam Engineering College (KEC), KUPPAM	AI-ML Agri-Stick	GANUGAPENTA VEMAIAH
13	Kuppam Engineering College (KEC), KUPPAM	ANIMAL REPELLENT FOR FARMERS	RANGAREDDY GARI NAGI REDDY
14	Kuppam Engineering College (KEC), KUPPAM	IoT Air Quality Alert System	Shaik Mohammad Ali
15	Kuppam Engineering College (KEC), KUPPAM	Indoor Air Monitoring & Alert	V Varun Kumar
16	MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS), MADANAPALLE	SelfElectricalEnergyHarvesting	Patan arif
17	MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS), MADANAPALLE	Drone operating system Ai	M Vishwanath
18	MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS), MADANAPALLE	Space Debris Collision Avoidance System	V Vishnu Shankar
19	Mother Theresa Institute of Engineering and Technology	FORENSIC FOR DIGITAL IMAGE OF COPY MORE MOVE FORGERY DETECTION	G ARJUN
20	Mother Theresa Institute of Engineering and Technology	FIRE DETECTING AND CONTROLLING ROBOT	K VENKATESH
21	Mother Theresa Institute of Engineering and Technology	FLOOD_SENSE: IOT-ENHANCED FLOOD MONITORING AND ALERTS	D.PRAGATHI

22	Mother Theresa Institute of Engineering and Technology	LOW LIGHT IMAGE ENHANCEMENT USING DCENET PACK AND UNPACK OPERATION	K PAVAN KUMAR
23	Mother Theresa Institute of Engineering and Technology	MULTIPURPOSE AGRICULTURE ROBOT USING BLUETOOTH	P. DHANALAKSHI
24	Mother Theresa Institute of Engineering and Technology	ROBOTIC ASSISTANCE IN FIREFIGHTING: SEMI- AUTOMATION	K. VINUTHA
25	Mother Theresa Institute of Engineering and Technology	Unpaired Image Denoising in Digital Images	S. VISHAL
26	Mother Theresa Institute of Engineering and Technology	Auto carts for safer retail enabling social distance shopping	LAHARI

- Review will start from **2nd** week of **January 2024**.
- We expect school students to explain the basic science concepts involved in your project during these Review

**(Feel free to call & clarify your doubts regarding mentoring process - S.D. Sagar)**

- We expect working model of your project during the review.
- Send the complete project report by **15<sup>th</sup> Jan. 2024** (word *file* - with *block diagrams, pictures of the Model, photo graph of your team with school students and guide* etc. [sdsagar@agastya.org](mailto:sdsagar@agastya.org) for publishing in “**Anveshana Souvenir**”)

Document minimum 100 questions asked by the school students during the mentoring process and send the same.