RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES, NUZVID
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MEGAEXPO'25

Date: 15/02/2025

We have received an overwhelming response from the students. The details of the submitted proposals/Prototypes are provided in the table 1 below.

Table 1**:** Details about Projects/Prototypes received

S.NO	Project	No.of Teams Submitted	No.of students involved
1	Wildlife-friendly animal avoidance system	6	18
2	Autonomous drone flying in indoor and gps-denied environments	1	4
3	Autonomous navigation of drone through a narrow path	2	5
4	Autonomous legged robot for climbing stairs	5	16
5	AI security surveillance	3	13
6	Crop surveillance using mobile robot	5	18
7	Identification of crop and crop health using drone	1	3
8	Movement of mobile robot in foggy environments without collision	6	22
9	Identification of contents made by deepfake technology	4	12
10	Innovative power generation techniques	3	13
11	Student innovation	49	172
	Total projects presented	85	296

Project Categorization for Teckzite'25:

Due to the limited time before **Teckzite'25**, the committee has categorized the submitted abstracts into two groups:

- **Category A:** The projects listed under this category require extensive development and further brainstorming sessions, therefore funding for these projects will be extended based on the outcome of the discussions with the students and the team of domain experts hence, these projects will be considered after Teckzite25.
- **Category B and Category C:** Projects under these categories are eligible for exhibition during the **Project Expo**, provided their prototypes are developed within the limited time before **Teckzite'25**.
  - **Category C:** Financial support will be released in phases.
  - **Category B:** Financial support will be provided in a single installment.

CATEGORY-A	
TEAM ID	**PROJECT NAME**
ST03	Smart Agriculture - Predictive Irrigation System

ST04	Smart Autonomous Tour Guide Bot Using Raspberry Pi
ST05	Intelliroute - Smart Traffic Management System
ST10	SAR Project (Search And Rescue)
ST13	ALS Project (Anti Landmine Shoe)
ST14	Smart Raid
ST15	Quantum Gates Simulator Using Arduino
ST18	CSP Integrated Thermal Power Plant
ST20	Trashmatic
ST21	Autonomous Humanoid Robot With Emotion Recognition
ST26	Smart Rescue System During Earthquakes
ST27	Intelligent Safety System For Two Wheelers
ST28	Health Monitoring System Using Smart Card
ST29	Smart Library
ST32	IoT Based Systems For Regulating Traffic Volume And Mitigating Train Accidents
ST33	Kinetic Footover Bridge
ST36	Smart Brain Controlled Wheelchair Based On Eeg In Low Cost For Disabled Person
ST39	Gesture Controller Wheelchair
ST40	Anti-Theft Security System
ST44	Project Of Students Choice
ST46	Fall Detection System
ST52	Automated Object Sorting Robot Using Machine Learning
ST54	Advanced Industrial Cooling System Utilizing Phase Change Materials (PCM's)
ST56	AI Powered Surveillance Robot
AAS02	Holosacre

CATEGORY - B	
TEAM ID	**PROJECTNAME**
PROBLEM STATEMENT_1: WILDLIFE-FRIENDLY ANIMAL AVOIDANCE SYSTEM	
AAS01	Wild Life Friendly Animal Avoidance System
AAS03	Wildlife-Friendly Animal Avoidance System
AAS04	Anitect(Wildlife-Friendly Animal Avoidance System)
AAS07	Wildlife Friendly Avoidance System
PROBLEM STATEMENT_2: AUTONOMOUS NAVIGATION OF DRONE THROUGH A NARROW PATH	
AND00	Autonomous Navigation Of Drone Through A Narrow Path
PROBLEM STATEMENT_3:AI SECURITY SURVEILLANCE	
AS00	AI Security Surveillance
AS01	Shwas(Smart House Watching And Alert System)
AS02	AI Powered Smart Surveillance
PROBLEM STATEMENT_4:CROP SURVEILLANCE USING MOBILE ROBOT	

CB00	Crop Surveillance Using Mobile Robots
CB01	Crop Surveillance Using Mobile Robot
CB02	Crop Surveillance Using Mobile Robot
CB04	Field Protection System
PROBLEM STATEMENT_5:MOVEMENT OF MOBILE ROBOT IN FOGGY ENVIRONMENTS WITHOUT COLLISION	
FB00	Movement of Mobile Robot in Foggy Environments Without Collision
FB01	Movement of Mobile Robot in Foggy Environment
FB02	Movement of Mobile Robot in Foggy Environments Without Collision
FB03	Fog-Penetrating Autonomous Robot for Safe Navigation in Low-Visibility Environments
FB04	Movement of Mobile Robot in Foggy Environments Without Collision
FB05	Movement of Mobile Robot in Foggy Environments Without Collision
PROBLEM STATEMENT_6:IDENTIFICATION OF CONTENTS MADE BY DEEPFAKE TECHNOLOGY	
IDT00	Identification of Contents Made By Deepfake Technology
IDT02	Identification of Contents Made By Deepfake Technology
IDT03	Identification of Contents Made By Deepfake Technology
IDT04	Identification of Content Made By Deepfake Technology
PROBLEM STATEMENT_7: INNOVATIVE POWER GENERATION TECHNIQUES	
IPG01	Piezoelectric Generator
IPG02	Vertical Axis Wind Turbine
PROBLEM STATEMENT_8: STUDENT INNOVATION	
ST06	Prevention Of Underloading And Overloading Of Railway Wagons (Student Innovation))
ST07	Digital Civic Engagement Platform
ST08	Vocal Trainer Device Using Arduino
ST09	LIC Project (Women Safety Innovation)
ST11	The Savior Of The Warriors
ST12	One Man One Vote
ST16	Cellular Automata
ST17	AI Based Circuit Design System
ST19	Reviewxpertai
ST22	Design And Implementation Of Plant-Based Biofilters For Indoor Air Pollution Control
ST23	Vision Safe
ST24	Inspira
ST25	Innocollab
ST30	Aquasweep
ST31	Magnetizing Water to Enhance Agriculture In Production And Nutrition Value
ST37	One-Click Hire
ST38	Milk Quality Prediction
ST41	Multipurpose Solar-Powered Vendor's Eco-Friendly Cart
ST43	New Facial Recognition Smart Glasses For Visually Challenged People
ST45	Air Quality Measuring Solar Plant

ST48	AI & AR - Powered Intelligent Pet Assistant
ST49	Nutriscan
ST51	Piezo Based Visitor Sensing Welcome Mat
ST53	Automated (Portable) System For Detection And Neutralization Of Industrial Chemical Waste

CATEGORY - C	
TEAM ID	**PROJECTNAME**
PROBLEM STATEMENT_1: AUTONOMOUS NAVIGATION OF DRONE THROUGH A NARROW PATH	
AND01	Autonomous Navigation of a Drone Through a Narrow Path
PROBLEM STATEMENT_4:CROP SURVEILLANCE USING MOBILE ROBOT	
CB03	Crop Surveillance Using Mobile Robot
PROBLEM STATEMENT_8: STUDENT INNOVATION	
ST47	ChemiAI Safety Nexus
PROBLEM STATEMENT_9: AUTONOMOUS DRONE FLYING IN INDOOR AND GPS-DENIED ENVIRONMENTS	
AD00	Autonomous Drone Flying in Indoor and Gps-Denied Environments
PROBLEM STATEMENT_10:AUTONOMOUS LEGGED ROBOT FOR CLIMBING STAIRS	
AR00	Autonomous Legged Robot for Climbing Stairs
AR01,AR02	Autonomous Legged Robot for Climbing Stairs
AR03,AR05	Autonomous Legged Robot
PROBLEM STATEMENT_11:IDENTIFICATION OF CROP AND CROP HEALTH USING DRONE	
CD01	Identification of Crop And Crop Health Using Drone

Note: The students whose projects are listed in **Category B** and **Category C** are hereby informed the undertaking letter in prescribed Format on or before **17th february, 1 PM**.

Sd/-

Convenor,

Teckzite'25,RGUKT Nuzvid.