

Innovations

YUKTI Innovation & IP Repository

- 155 ideas and innovations submitted through the YUKTI portal.
- 3 teams shortlisted for the next phase of the YUKTI Innovation Challenge (YIC) 2025 at the 3rd Edition Regional Meet.
- Best Innovation Demonstration award received at the 2nd Edition Regional Meet of the YUKTI Innovation Challenge.



IDE Boot Camp

A total of 55 students participated in the Innovation, Design and Entrepreneurship (IDE) Boot Camp, gaining hands-on exposure to design thinking, prototyping, and early-stage venture building.



Intellectual Property & Patents

Patent Activity	Count
Patents Applied	10
Patents Published	09
Design Patents Granted	03
Utility Patents Granted	01

Notable Granted Patents

S.No.	Title	Type	Inventors
1	Drone for Monitoring Evapotranspiration in Agricultural Fields	Design Patent	Dr. A. Lavanya Dr. S. Vidhya Dr. Sathyavathy
2	Non-Invasive Hemostasis Monitor	Design Patent	Dr. G. Yashodha Dr. P. Ajitha
3	Assisting Wearable Device for Children with Duchenne Muscular Dystrophy	Utility Patent	Dr. S. Vijaya Dr. M. Usha

S.No.	Title	Type	Inventors
4	IoT Multi-sensor Hub for Real-time Urban Air Quality Measurement	Design Patent	Dr. Antony Pradeesh Dr. M. Arun Prasad

IIC Resource Strength

S.No.	Resource Type	Details
1	Total IIC Members	18
2	Total Innovation Ambassadors (IAs)	59
3	Total Faculty Mentors (Portal)	05
4	Pre-Incubation Units	Product Development Centre with 3 faculty members
5	IP Facilitation Unit	IPR Cell with 2 faculty members

Highlight Achievements

- 84 Innovation, Entrepreneurship, and IPR activities were conducted across the academic year.
- 69 student and faculty ideas generated through the ideation pipeline.
- 13 innovations and prototypes were developed and showcased.

Prototypes Developed

Student teams have developed and demonstrated the following prototypes under the guidance of IIC faculty mentors:

S.No.	Prototype
1	Bluetooth Controlled Portable LED Display
2	Obstacle Avoiding Robot
3	Human Following Robot
4	Bluetooth Controlled Car
5	Autonomous Track Following Robot

S.No.	Prototype
6	Surveillance Robot
7	Smart Health Monitor
8	Smart Walking Stick
9	Smart Nurse Alerting System
10	Real-Time Head Count System
11	Book Cart

Student Start-ups

The IIC has directly supported student founders in registering and launching their own ventures. The following student-led start-ups have been formally registered:

Student Name	Department	Start-up Name	Registration No.
Deenu	B.Sc. CT	Quantum Byte Technologies	UDYAM-TN-28-0120858
Alwin Glifferd	B.Sc. ECS	Circuit.AI	UDYAM-TN-15-0014523
Nithish Kumar	B.Sc. ECS	ALPHAFORGE INNOVATIONS	UDYAM-TN-03-020591
Tharun Daniel	B.Sc. IT	MARKDOT INTELLECT	UDYAM-TN-03-0163347
Barath	B.Sc. ECS	THING CONNECT	UDYAM-TN-03-0121762
Swaminathan	B.Sc. ECS	THE BASIC HOUSE	UDYAM-TN-28-0080343
Raveena	B.Sc. ECS	THE DARKEN	UDYAM-TN-07-0055175

Investment in Innovation & Entrepreneurship

To sustain and expand the innovation ecosystem on campus, KGCAS has committed significant financial resources toward promotion and awareness generation:

Programme Organised	Amount Spent
Varnabandham Art Fest	Rs. 8,09,829
Project Expo on Innovation	Rs. 92,424

Programme Organised	Amount Spent
Workshop on Design Thinking and Innovation	Rs. 7,945
Outreach Programme on Entrepreneurship and Innovation	Rs. 35,200
Guest Lecture on Entrepreneurship and Innovation	Rs. 4,17,806
Hackathons	Rs. 2,81,855
Seminars / Conferences	Rs. 47,500
Industrial Visit	Rs. 21,000
Expert Talk	Rs. 1,45,900
Day Celebrations	Rs. 13,400
Total	Rs. 18,72,859
