COMED KARES
INNOVATION HUB

MONTHLY NEWSLETTER
JULY 2023

Unveiling a Month of Thrilling
Events and Milestones!

Unveiling a Month of Thrilling Events and Milestones!

Throughout this month, the centre has embraced community involvement through a series of exciting activities. We successfully hosted hackathons and events, attracting enthusiastic participation from students and creating awareness about the ComedKares initiative. These events also sparked interest in collaborative community co-creation, solidifying our position as a youth-driven innovation hub with a strong community focus. Notably, our students showcased their talents on various platforms, earning prestigious accolades and recognition for both ComedKares and their respective institutions.

At present, four centres are actively involving students in the Robotics course/Internship, while an additional three centres are offering Innovation and Design Thinking Courses to students.

Students of NIE Mysore undergoing IDT Course @ ComedKares Innovation Hub in Mysore

2 Batches graduate out of the Robotics Course!

In a culminating event of the course, batches from JP Nagar and Gopalan Mall Innovation Hubs respectively, showcased their robots and competed against each other, marking the successful completion of their course.

Testimonials

- "It made me confident in bot building to know new concepts" - A student of T. John, Robotics Internship, JP Nagar Centre

- "I would like to thank all the faculty and facilities given to us. It was one of my best and unforgettable memories in my life and I will make time in future and join new courses when offered from comedkares happily and be a part of it .." - A student of Raja Rajeshwari Institute, Robotics Internship, Gopalan Centre

Induction Programs @ Institutes

Yelahanka ComedKares team successfully conducted an **induction program at Ramayya Ramaiah University of Applied Sciences**.

The introductory session on Robotic course was conducted at Canara College in Mangalore, where **300 students from different branches** participated.

Programs And Other Highlights At The Centers
Techties: A Collaborative Industry-Academia Program Conducted at the Mangalore Center

Techties hosted by Comedkares **in collaboration with CII Mangalore** provided an exceptional platform for students to connect with industry professionals, fueling their creative sparks and fostering a vibrant atmosphere of knowledge sharing.

Guests: Mr. Praveen Kalbhavi, Founder M&D Novigo solutions, Chairman CII Mangalore Chapter and Mr. Suyog Shetty, Founder, CEO of Novigo Solutions

No of participants	**83**
No of institutions participated	10 engineering, 1 non -engineering
No of Industry mentors	**22**
Rating	**9.96**/10* *(7 respondents)*

Testimonials

- *"A helpful event i enjoyed learnt a lot met some industry giants and learnt useful things from them i hope for more events like this and i am eager to take part in them"*
- *".I really built connections for the first time in this one room, we connected immediately though linkedIn. It was inspiring to see many robotics enthusiasts meeting up at one place. Thanks for this wonderful experience"*
- *"It was a really good event where students got to work together & with industrial folks.We got knowledge from the industrial experts."*

Celebrating Student Achievements!

Students of Belgavi Center win 1st place in the Robo Race Event as a part of "TECHNISIUM - 2023" held at SIT Tumkur

Students of Belgavi Center win 3rd place in the Line Follower Robo Event Event as a part of "TECHNISIUM - 2023" held at SIT Tumkur

Student teams of BMSIT, participants of RW Hackathon have taken their project forward and **won 1st place at Open Day, Idea pitching event** conducted by BMSIT college.

Notable Visits Across the Innovation Hubs

Al Misbah Hanchinmani, a volunteer of UNICEF visits the Banaswadi centre.

Vamsi Krishna, IEEE Bangalore Young Professionals Mentor visits the Banaswadi centre to know the initiatives at ComedKares

Mr. Abishek Bhandari Director Outreach - South, Mr Vishwas Rao Regional Director- South and Aditya Swaroop from Jio Embibe, visit the Mangalore Centre as a part of the International Federation of Inventors Association (IFIA)

Sumanth Shenoy, founder of Stelna Designs, visited the centre and gave valuable feedback on 3D printing technology & shared good practices to follow during the 3D printing and Design processes.

Mr Mahesh Shenoy and Mr Errol founders of Tiny Prism Labs (TPL), Mr Uzair, a medical research candidate with TPL & **Mr Suhas** a design and product development expert visit the Mangalore centre.

Mr Ranjan, an entrepreneur, visited the Mangalore Centre and has given the centre an interesting **problem statement from the photography industry** to work on.
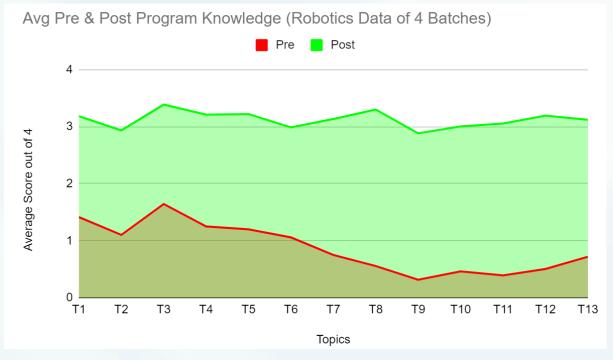
Webinars, Workshops & Hackathons

Type	Topic	Enrolment	Attendees	Rating
Webinar	Preparing for a Career in Cybersecurity : Skills and Education Required	81	60	10/10* *12 respondents
Webinar	Developing Empathy for Community-Centric Problems : Effective Strategies for Solving Them	43	21	10/10* *5 respondents
Workshop	Roborace	10	25	10/10* *4 respondents

The month of July was packed with exciting webinars and workshops to keep students up to date with the current trends as well as to gain necessary soft skills, along with the intention of engaging the ComedKares community.

Post Program Findings of our Courses

Robotics Course Assessment Report of 4 Batches

Avg Pre & Post Program Knowledge (Robotics Data of 4 Batches)

The graduating batches at JP (3) and Gopalan (1) Centres in Bangalore, have resulted in a **significant increase in knowledge levels (3.1235 points avg across all topics) <u>self-reported by students.</u>** Based on the course outcomes a total of 13 topic related questions were posed to the students before and after the program to see the change in their self efficacy levels. The highest score of 4 indicates complete practical expertise in the topic, and **a score of 3 means achievement of program relevant objectives, which has been true for all the centres.**

Refer the table for the tags and their relevant topics

Topics	Tag	Topics	Tag
Microcontroller	T1	Interfacing Sensors and Actuators with Raspberry Pi	T8
Arduino	T2	Raspberry Pi for Motion Control	T9
Sensor	T3	Computer Vision and OpenCV	T10
Motor Control	T4	Object Detection Using openCV and HSV	T11
Robot Motion Control	T5	Detecting Edges or Lanes Using OpenCV	T12
Python Programming	T6	Object detection and Move Around Arena	T13
Raspberry Pi	T7		

Gallery