NATIONAL INSTITUTE OF TECHNOLOGY
KARNATAKA
SURATHKAL MANGALURU – 575025

IEEE NITK STUDENT BRANCH
BRANCH CODE 98631

NIT Karnataka
IEEE Student Branch

About the organising body: IEEE-NITK

IEEE NITK is one of the largest student branches under the IEEE Bangalore Section, consisting of more than 300 student members, located in Surathkal, Karnataka, India. IEEE NITK has been the recipient of *IEEE Bangalore Section Outstanding Large Student Branch award 2020-21, IEEE R10 Exemplary Student Branch Award - 2006, 2013, 2015, 2019,* and many more awards.

Introduction

7th IEEE International Conference on Recent Advances and Innovations in Engineering (7th IEEE ICRAIE 2022) brings together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Recent Advances in Informatics Engineering. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Recent Advances and Innovations in Engineering..

Scope

ICARUS is planned to run alongside with the ICRAIE event to be a benefential event that will involve the registrants in knowledge imparting talks and fun technical workshops to provide them with an opportunity to work with hardware.

Event Structure and Details

The event will accept registrations from all over India, where registrants can choose a single or multiple events to register. The event primarily has three sub-events,

- **Open Source Hardware Talk**: A talk on open source hardware in collaboration with COSH NITK. The talk gives an introduction into open source hardware and its impact on the tech world. The specifics of the talk is left to the discretion of COSH.
- **E-Yantra Workshop**: A hands-on hardware workshop regarding robotics and embedded systems in collaboration with CSD NITK. The workshop will be conducted by a set of 10-20 students who will be trained in handling the hardware associated with the tasks of the E-Yantra Robotics Competition over the duration of 2 months prior to the event. The workshop will engage the participants in handling the same.

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Schedule Details

Proposed date: 1st December

EVENT	PROPOSED TIME
Introduction to the event	9am-9:15am
Open Source Hardware Talk	9:15am - 10am
E-Yantra Workshop	10:30am - 1:00pm