

## Registration form

Space Technology Incubation Centre

Organized a two day workshop on

### “Design, Integration and Tracking of Small Satellites in Academia in 2020 and beyond”

28<sup>th</sup> February – 1<sup>st</sup> March, 2019

Name: .....

Designation: .....

Department: .....

Mobile no: .....

Email: .....

#### NOTE:

- **No Registration Fee”**
- **Limited Participants – First come first serve basis**



## About NIT Karnataka

NITK Surathkal is a premier institution engaged in imparting quality technological education and providing support to research and development activities. NITK is recognized as an Institute of National Importance by an act of Parliament. NITK has carved a niche for itself among the best technical institutes in India. NITK offers 9 UG, 26 PG and PhD programmes.

NITK is an institution which defines and continues to update and evolve methods of engineering and technology in India. It provides its students with modern educational facilities while retaining traditional values, as well as using its strong industrial contacts to mould young, talented individuals who can compete in the global arena. The aim of NITK is to rank among leading universities globally. Consequently, NITK’s mission is to educate individuals to be competitive not only in India, but all over the world. Within an intensely competitive environment, the institute has adopted a dynamic, global, high-quality; creative and communicative approach in education, as well as research and development.

Keeping abreast with modern developments, NITK is constantly restructuring itself and renovating its physical infrastructure as well as its research and education facilities.

*A workshop on*

## Design, Integration and Tracking of Small Satellites in Academia in 2020 and beyond

28<sup>th</sup> February 2019 & 1<sup>st</sup> March 2019



*Organized by*

**Space Technology Incubation Centre  
National Institute of Technology  
Karnataka, Surathkal  
Mangalore – 575 025  
Karnataka, India.**

*Coordinators*

**Members of  
Space Technology Incubation Centre**

## Space Technology Incubation Centre

NITK is in the process of setting up a Satellite Technology Incubation Centre (STIC) in association with ISRO. A Space Technology Advisory Committee (STAC) comprising of senior scientists of ISRO (serving / retired) and senior institute administrators has also been formed who will be responsible for defining the road map and various achievable targets. And also a Space Technology Execution Committee (STEC) consisting of faculty members drawn up from all participating departments who will be responsible for actual implementation of the project. The first draft of the Detailed Project Report is ready and will be finalized after a few more rounds of consultation with members of both committees. ISRO's plans for setting up Space Incubators for collaborating with academic institutes for designing Propulsion systems, Communication and Remote sensing satellites along with new and promising technologies required for the Space exploration programs that India is embarking on. This initiative will additionally encourage and empower young minds to create start up enterprises in Space Technology / Avionics so that a strong ecosystem of innovation and national proficiency in the domain of Space Science and Technology is created.

STIC@NITK would enable our faculty members, research scholars and students to work in close collaboration with scientists of various laboratories of ISRO on development of critical space technologies. Including launching, tracking and maintenance of pnm (pico-nano-micro) satellites. The creation of such an incubation centre focused on developing critical technologies along with providing hands on experience on Pico/ Nano/

Micro (PNM) satellite design and integration will definitely provide necessary domain knowledge to our young students and motivate several students to set up start-up companies in the aerospace domain. Value addition to NITK would include accrual of expertise in satellite design among faculty members and students, creation of several state of the art engineering laboratories, cross pollination of domain specific knowledge among all departments participating in the project, experience gained by faculty and students in executing mission based hard core engineering projects. This would help us to strengthen our well-earned reputation for creating scientific and technology manpower of high quality.

As a starting point, we are conducting a two day workshop for all of us to get insight into how such an incubation center can be set up and also for defining the road map and various achievable targets.

## Resource Persons

- Mr. R. Umamaheswaran, Scientific Secretary, ISRO
- Prof. R. M Vasagam, Chancellor, MGR University, Ex-ISRO;
- Dr. M. Krishnaswamy, Former Outstanding Scientist/ Program Director, IRS, URSC/ISRO,
- Mr. V. Gopalakrishnan, Policy Analyst, ISRO;
- Dr.S Elangovan, Head, Aerospace and Aeronautical Departments at ACS college of Engineering Bangalore (More than thirty years of experience at ISRO and a specialist in Structural Vibrations);
- Mr. C. I Jagadeesha. Ex-ISRO Scientist.

## Organizing Committee

- Prof. U Shripathi, Dean ( R & C), Chairman, STIC
- Prof. M. Kulkarni, Professor, Dept. of ECE, Convenor
- Prof. Venkatesa Perumal, Associate Professor, Dept. of E&E, Co-Convenor
- Prof. M. N Satyanarayana, Professor, Dept. of Physics- Member
- Dr. P. Srihari, Assistant Professor, Dept. of ECE, Member
- Dr. K. Krishnamurthy, Assistant Professor, Dept. of ECE, Member
- Dr. K. Prabu, Assistant Professor, Dept. of ECE, Member
- Dr. Sandeep Kumar, Assistant Professor, Dept. of ECE, Member
- Dr. Ajay Kumar Yadav, Assistant Professor, Dept. of Mech. Engg. – Member
- Dr. Saurabh Chandraker, Assistant Professor, Dept. of Mech. Engg. – Member
- Dr. C. M. C Krishnan, Assistant Professor, Dept. of EEE Engg. – Member
- Dr. Y. Suresh, Assistant Professor, Dept. of EEE Engg. – Member
- Dr. Kiran M, Assistant Professor, Dept. of Information Technology - Member

## Venue

Seminar Hall (First Floor),  
Department of Electrical and  
Electronics Engineering