



## Karnataka Science and Technology Academy (KSTA)

### Department of Science and Technology

Govt. of Karnataka, Major Sandeep Unnikrishnan Road,  
Horticulture Sciences College Entrance,  
Vidyaranayapura Post, Yelahanka, Bengaluru - 560097

## Siddaganga Technology Business Incubator

### Siddaganga Institute of Technology

Dr Sree Sree Sivakumara Swamiji Road  
Tumakuru - 572 103

### Jointly Organize



## National Conference

*Science & Technology for Start-ups*

**Theme : Science & Technology for Start-ups**

**Date : July 19 - 21, 2022**

(Tuesday, Wednesday and Thursday)

### INAUGURAL FUNCTION

*Date : 20<sup>th</sup> July 2022 (Wednesday) @ 9:30 a.m.*

*Venue : Birla Auditorium, SIT Campus, Tumakuru - 572103*

**Web : <http://ncsts22.sit.ac.in>**

## KSTA Conference

# 12th Year Celebration

Science, technology and innovation play a pivotal role in determining, economic performance and social well-being, while R&D is a critical element in the ability of society to innovate and create wealth. An innovative idea is a crucial ingredient in creating a start-up. These start-ups enable to provide value to the customers through a solution either through an improved version or a totally new one.

Innovations around the world are moving ahead at a faster pace and talented young entrepreneurs are ready to take over and invent the next disruptive technologies. Thus, innovation and startups help drive a nation's economy forward as a key engine of economic growth.

Science and Technology have always been an integral part of Indian ethos. India has seen steady growth in the field of R&D and is emerging as a Science and Technology powerhouse due to both public and private sector R&D efforts. The Country secured 46th place in the Global Innovation Index (GII) of 2021 among 132 economies(WIPO). In addition, India also has a vibrant start-up ecosystem being at 20th position globally. Among Indian states, Karnataka is the first state to introduce a Start-up Policy with a dedicated startup cell. The state accounts for more than 30% of all start-ups in India, with a vibrant start-up ecosystem, while Bengaluru is a leading destination for startups in the country.

The government of Karnataka is taking many initiatives to give wings to startups in the state through strategic investment & policy interventions by leveraging the robust innovation climate. Ideas, talent, and capabilities of enterprising young people who dream of starting their own business are being tapped to achieve wealth creation, economic growth, and employment. Incubators & Accelerators are also providing the perfect ecosystem for startups to grow.

In order to provide an opportunity for the students, researchers and general public to know the current scenario, opportunities and challenges and the role of S&T in Startup ecosystem in India, a three a day national conference on "Science and Technology for Start-ups" is being organized during **19 - 21 July, 2022** at Siddaganga Institute of Technology, Tumakuru.

## KSTA Conference

# Objectives

- ♦ To bring awareness on the developments in Science and Technology for Startups.
- ♦ To create interest in scientific and technological developments to broaden the horizon of knowledge among students.
- ♦ To foster understanding of scientific developments and advancements for future innovations.

## About KSTA (Karnataka Science & Technology Academy)

KSTA is an autonomous organisation under the Department of Science and Technology, Government of Karnataka, established on 5th September, 2005, under the Chairmanship of Padma Vibhushan Prof. U.R. Rao, Former Chairman, ISRO, Bengaluru. Presently Prof. S. Ayyappan, Chancellor, Central Agricultural University, Imphal and Former Director General, ICAR is the Chairman along with 15 eminent academicians, scientists and Principal Secretaries / Secretaries of the Government Departments.

KSTA is carrying out many unique programs across the state and has been playing a pivotal role in providing impetus for science education and popularization of science & technology among cross sections of society, more particularly among rural students.

## About Tumakuru

Tumakuru, a district headquarter, is a major industrial city located in the southern part of Indian state of Karnataka. It is situated at a distance of 70 km. northwest of the State capital Bengaluru and 85 km. from Kempegowda International Airport, Bengaluru.

Tumkur is one of the 7 Smart cities in Karnataka taken up under Smart City Mission of Government of India. The Climatic condition is pleasant & comfortable throughout the year. Tumkur District is the second largest district in the state of Karnataka and has emerged as an important center for education, industry and commerce. It is also a part of Chennai - Bangalore industrial corridor.

The district is known for the production of coconuts and hence colloquially called as 'Kalpataru Nadu'. There are several historical places to visit in and around Tumakuru viz., Siddaganga, Shivagange, Devarayanadurga, Yedeyur, Shravanabelagola, Belur, Halebeedu and etc.

## About SIT

Siddaganga Institute of Technology (SIT), Tumakuru established in the year 1963 by Sree Siddaganga Education Society (SSES) which was founded and nurtured by His Holiness Dr. Sree Sree Sivakumara Swamiji, a centenarian. The present President of Sree Siddaganga Education Society is Sree Sree Siddalinga Swamiji is providing directional guidance. The college is an autonomous institution affiliated

to Visvesvaraya Technological University (VTU), Belagavi, Karnataka, approved by AICTE, New Delhi and programmes accredited by NBA, New Delhi. The institute is accredited by NAAC with 'A' grade and awarded Diamond College rating by QS I-Gauge. At present, the institute offers 13 Undergraduate Programmes and 11 Postgraduate Programmes. The institute has well qualified, experienced and competent faculty members. 15 research centers of the institute are recognized by VTU to offer Ph.D. and M.Sc. (Engg.) by research.

## About Siddaganga Technology Business Incubator

SIT has established the state-of-the-art Siddaganga Technology Business Incubator with an area of 10000 sq. ft., which is partially supported by KCTU, GoK. Another 10000 sq. ft., area at the cost of Rs 1.8 crore is made available for TBI activities. Ten startups are working in the TBI. The provisions have been made to students, faculty, alumni and prospective innovators to have their start-ups in the TBI and also avail facilities available in all the laboratories.

Siddaganga Incubation Foundation (SIF), section 8 company has been formed with a vision to support innovation and entrepreneurship. Its Primary mandate is to support innovators and start-ups who are working on technology solutions to cater to rural India and mainly in Agri-Tech space. Also, it envisages to support in developing solutions to solve problems of rural India, predominantly in the areas of IoT, grassroot innovation and Agriculture.

Siddaganga TBI is a Technology Business Incubator whose primary objective is to help promote venture creation and economic development by providing affordable work-space, shared facilities, counseling, training, information and access to professional networks, for selected entrepreneurial groups.

## Delegate Registration

Registration for Conference is open to UG & PG students, Doctoral & Researcher Scholars, Scientists/ Researchers, Teaching Faculty, officers of various state Government Departments, Science Writers and the interested public.

For registration as a delegate, please fill in the Registration Form from the website : <http://ncsts22.sit.ac.in>

## Poster Presentation

Research posters are invited from UG & PG students, Doctoral & Research scholars and young Scientists/ Researchers. In the poster session, each poster will be given space to display research outcome (size of each poster -  $3 \times 2\frac{1}{2}$  ft). As all the posters exhibited during the conference must be manned by the first author, multiple entries will not be entertained. A compendium of selected abstracts will be brought out and circulated to all the delegates during the conference.

Selected posters should be setup by 9:00 a.m. on **July 19th, 2022 (Tuesday)** and shall be removed at the end of the conference on **July 21st, 2022 (Thursday)**. Delegates will be free to view posters during tea breaks.

## Award of Cash Prize

To encourage excellence in research/ innovation, the best poster in

- 1) Physical & Mathematical Sciences,
- 2) Chemical & Life Sciences
- 3) Interdisciplinary Science and
- 4) Engineering (any branch) will be awarded with a cash prize (separate prize for each discipline) as given below:

**1st Prize - Rs. 3000/-    2nd Prize - Rs. 2000/-    3rd Prize - Rs. 1000/-**

Prizes for the best poster presentations under all 4 streams will be announced and distributed in the valedictory function.

## Guidelines for submission of Abstracts

Poster must be prepared as per the guidelines given above.

- ♦ Extended abstract should not exceed 750 words.
- ♦ Type set should be mailed : [ncsts22@sit.ac.in](mailto:ncsts22@sit.ac.in) latest by **10th July, 2022**.
- ♦ Authors should provide their postal address, email, fax and mobile number.
- ♦ The selection committee reserve the right to accept or reject the submitted abstracts.
- ♦ Papers already published or presented elsewhere including prize winning posters will not be accepted.
- ♦ Plagiarism of any kind is liable to be rejected.
- ♦ Authors have to specify the discipline to which the abstract/poster belongs.
- ♦ A panel of domain experts will review the posters based on originality of research, objectivity, utility to society and quality of presentation and decide for awards of cash prize. The decision of the panel of experts shall be final and binding on all participants.
- ♦ Authors should submit self-certification / declaration stating that the submitted abstract/poster has not been published elsewhere.
- ♦ Poster presentation competition is restricted to UG & PG students, doctoral / researchers, below the age group of 35 years.
- ♦ Conference proceedings of all the full papers will also be published in Institute for Engineering and Research Publication (IFERP).

- ♦ Selected papers of quality research work will be published in IJBSR - Inderscience / Indian Academy of Sciences & other refereed journals (with a nominal processing fee if applicable).
- ♦ The details regarding format for those selected paper and poster presentation will be intimated in the website.

## Registration Fee

A nominal registration fee of Rs 1000/- has been fixed for each delegate and Rs. 800/- for KSTA Fellows and Associates and spot registration fee is Rs. 1200/-. Accommodation is free and limited, available on first come first-serve basis. The amount has to be paid through the link with the filled registration form mentioned in the website : <http://ncsts22.sit.ac.in>

### For more details contact

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### Chief Patrons

#### Sree Sree Siddalinga Swamigalu

President, Sree Siddaganga Education Society  
Sree Siddaganga Math, Tumakuru

#### Prof. S. Ayyappan

Chairman  
Karnataka Science & Technology Academy  
Bengaluru

#### Dr. E.V. Ramana Reddy, IAS

Additional Chief Secretary to Govt.  
Dept. of EIT, BT and S & T  
Bengaluru

### Patrons

#### Shri Basavaraju A.B., IAS

Director (Technical)  
Dept. of EIT, BT, and S&T/ MD,  
KSTePS / Member Secretary, KSTA

#### Dr. A.M. Ramesh

Chief Executive Officer  
KSTA  
Bengaluru

#### Shri T.K. Nanjundappa

Secretary  
Sree Siddaganga Education Society  
Sree Siddaganga Math

#### Dr. M.N. Channabasppa

Director  
Siddaganga Institute of Technology  
Tumakuru

#### Dr. Shivakumaraiah

Chief Executive Officer  
Siddaganga Institute of Technology  
Tumakuru

#### Dr. S.V. Dinesh

Principal  
Siddaganga Institute of Technology  
Tumakuru

Web : <http://ncsts22.sit.ac.in>