

## CHIEF PATRON

**Sri. D. K. Mohan**

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## Mr. Nithin Mohan

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**Dr. Suresh L**

Principal  
Cambridge Institute of Technology

## CONVENOR

**Dr. D. R. Shashikumar**

HoD, Dept. of CSE  
Cambridge Institute of Technology

## COORDINATORS

**Dr. Ganesh D R**

Assistant Professor, Dept. of CSE.

**Mr. Rakesh V S**

Assistant Professor, Dept. of CSE.

## ORGANIZING MEMBERS

**Mr. Pushpanathan G**

Assistant Professor, Dept. of CSE.

**Mr. Manikandan K B**

Assistant Professor, Dept. of CSE.



Spoken Tutorials



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

organizes

National Level Two Week

**STUDENT DEVELOPMENT PROGRAM**

on

# JAVA

in association with

**IIT BOMBAY - SPOKEN TUTORIAL**

under

# NMEICT

National Mission on Education Through ICT

Funded by MHRD, Govt. of India

# CAMBRIDGE

INSTITUTE OF TECHNOLOGY

K. R. PURAM, BANGALORE - 560036

Approved by AICTE, New Delhi | Permanently Affiliated to VTU Belagavi | Recognized by Govt. of Karnataka  
Accredited by NBA & NAAC | An ISO 9001:2015 Certified Institute

[www.cambridge.edu.in](http://www.cambridge.edu.in)

## IMPORTANT DATES

Course Duration:

8 - 21 August, 2020

Last Date for Registration:

5 August, 2020 (5 PM)

Confirmation of Registration:

7 August, 2020

## REGISTRATION FEE

₹ 300\*

(per student, non-refundable)

## REGISTRATION LINK

**CLICK HERE FOR  
REGISTRATION**

Are you a student of Cambridge Institute of Technology? then [Click Here](#)

## BENEFICIARY DETAILS

Bank: Federal Bank

Branch: Krishnarajapuram Bangalore

A/C Name: HOD Dept of CSE

A/C No: 15610100048122

IFSC Code: FDRL0001561

**Gpay / PhonePe: 9886949470**

## IF ANY QUERIES, CONTACT

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## CREATING A PATH TO SUCCESS

Cambridge Institute of Technology (CiTech), is in the forefront among providers of quality education in the State of Karnataka. Our main campus is strategically located in the IT hub of Bengaluru. The

North Campus is located off International Airport road & is well-connected. We take pride in our state-of-the-art infrastructure & our teaching faculty who not only create a positive learning environment that encourages Entrepreneurship & Leadership, but motivates students to exercise their knowledge on real world problems & skills required.

## CREATING A BETTER TOMORROW



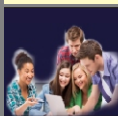
The Dept. of Computer Science and Engineering comprises a team of high quality faculty members engaged in quality teaching, research, and corporate training programs. In terms of infrastructure, our department is one of the best equipped and is at par with the leading institutes. One of the most sought after branch with an intake of 180 students. The department fosters and inculcates innovations with broader vision among students to excel in an era of stiff competition. The department has MoU with Infosys, ORACLE, WIPRO and EMC<sup>2</sup>. Constant Motivation is given to the students to pursue community projects with organizations like ISRO, DRDO, CDAC, IISC and Infosys. In order to share knowledge department organizes seminars, workshops, conferences and FDP for its students and Faculty members.



## SPOKEN TUTORIAL

Spoken Tutorial is a multi-award winning educational content portal. Here one can learn various Free and Open Source Software all by oneself. Our self-paced, multi-lingual courses ensure that anybody with a computer and a desire for learning, can learn from any place, at any time and in a language of their choice.

Courses are simple and easy to follow even for a beginner but they also meet the growing needs of the learner. Engaging digital content ensures that learning happens at all levels - Basic, Intermediate and Advanced. Content in IITB-ST mandates side-by-side practice thereby ensuring that learners are actively learning. Many of the software taught, are used in various disciplines of Engineering



## STUDENT DEVELOPMENT PROGRAM

Student Development Program is an Educational Initiative with a vision to make tangible impact on the society by providing the Light of Education to the deserving and needy. This is executed as a sustainable ongoing program to be held through the

academic year and further. The program focuses on self-development of the students especially from the marginalized sections addressing their academic & skill challenges in order to ensure their educational & career advancement. Advanced teaching methodology aided by latest teaching technology like Audio-Visuals / PPT presentations along with a comforting environment facilitated a rapid grasping of the content. This program help students to achieve a mastery on the skills required by employers prior to graduation.

## BENEFITS OF IITB - SDP

- ☞ Job oriented training.
- ☞ Certificate of Participation from IITB.
- ☞ Placement opportunity by IITB.
- ☞ Remote Learning - Learn at your own pace in allotted time.
- ☞ Skill & Knowledge enhancement.
- ☞ Exposure to new technologies.

## TARGET PARTICIPANTS

- ☞ College / Graduation Students.
- ☞ Working professionals - Software users, developers and trainers.
- ☞ Research Scholars.
- ☞ Community at large

## INSTRUCTIONS TO PARTICIPANTS

This **SDP** is through **Remote Learning** in association with **IITB - ST**, hence the recorded lecture links by IIT professors and experts will be provided to all.

Participants are requested to **watch the lecture videos in your free time** and attempt the **exam at the end of the SDP**.

## FEATURES OF SDP ON JAVA

Java is the most popular class-based, object oriented, high-level programming language.

Developed by James Gosling at Sun Microsystems and released in 1995 as a core component of Sun Microsystems' Java platform.

Derives much of its syntax from C and C++.

Is typically compiled to byte code (class file). It can be run on any Java Virtual Machine (JVM) regardless of the architecture.

Is Intended to let application developers write a code that runs on one platform & does not need to be recompiled to run on another.

Programs in Java run under an area known as the sandbox.

Security manager determines the accessibility options of a class like reading and writing a file to the local disk.

Uses public key encryption system to allow the java applications to transmit over the internet, in a secure and encrypted form.

The byte code verifier checks the classes after loading.