



South Indian Education Society's
GRADUATE SCHOOL OF TECHNOLOGY, Navi
Mumbai.
DEPARTMENT OF INFORMATION
TECHNOLOGY



Course on Programming, Database Management and Soft Skill

June 27 to July 2, 2022

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This student development program is meant to brush up the basic concepts of Programming in JAVA, Database Management System, Data Structures and other important subjects from placement point of view. Also quantitative aptitude will be covered along with practice tests. At the end of this SDP, students will complete one project as an internal internship.

About Instructors:

This course will be taught by the Internal faculty of SIES GST and the Industry experts from.

Industry Experts

- Ms. Pooja Rao , TCS

Internal Expert:

- Prof. Savita Lohiya, Assistant Professor
- Prof. Seema Redekar, Assistant Professor
- Prof. Stuti Ahuja, Assistant Professor

Course Objectives:

The objective of this course is to revise basics of Programming in JAVA, DBMS and Data Structures, train students for soft skills, implementation of an application using any of the advance technologies.

Course Outcomes:

- Students will be able to describe basics of core subjects necessary for placement.
- Students will acquire soft skills.
- Students will be able to provide solution to real life problems.

Course Content:

Prerequisite: Programming

Module	Contents	External Expert/ Internal Faculty Member	Hours
1.	JAVA Programming Basics of JAVA, Object Oriented Programming Concepts, Multithreading, Applet	Prof. Seema Redekar	6 hrs
2.	Data Structures Introduction to data structures, Stack and Queues, Tree and Graph data structure	Prof. Stuti Ahuja	6 hrs
3.	Database Management System Introduction to database, designing of database, SQL queries and relational algebra, Normalization	Prof. Savita Lohiya	6 hrs
4.	Hands on session	Prof. Savita Prof. Seema Prof. Stuti	6 hrs
5.	Problem statement formulation for Mini project and its implementation based on the concepts learned.	Prof. Savita Prof. Seema Prof. Stuti	6 hrs
6.	Soft Skills Resume Building, Technical Writing skill, Communication skill	Ms. Pooja Rao	6 hrs

Assessment:

1. Module wise assignments and quizzes should be completed by students.
2. Mini project should be completed.

- **Course Coordinator:** Prof. Rohini Gaikwad, Assistant Professor, IT Department
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