



SRI KRISHNA INSTITUTE OF TECHNOLOGY

#29, Hesaraghatta Main Road, Chimney Hills, Chikkabanavara Post, Bangalore- 560090

COURSE WEBSITE

The screenshot shows the 'About the Faculty' page of the course website. The browser address bar displays 'sites.google.com/view/manzoorahmed/home'. The navigation menu includes 'Home', 'Subjects', 'Lab Information', and 'CIE and SIE Question Papers'. The main content area features a purple header with the text 'About the Faculty'. Below this is a portrait of Prof. Manzoor Ahmed and a paragraph of text describing his background and interests. At the bottom, a table lists the subjects taught.

Sl No.	Subjects	Sl No.	Subjects
1.	C Programming for Problem Solving	2.	Application Development Using Python
3.	Storage Area Networks	4.	Operating Systems

The screenshot shows the 'Subjects' page of the course website. The browser address bar displays 'https://sites.google.com/view/manzoorahmed/subjects'. The navigation menu includes 'Home', 'Subjects', 'Lab Information', and 'CIE and SIE Question Papers'. The main content area features a large banner with the text 'E-LEARNING' and an illustration of students working on laptops. Below the banner is a purple header with the text 'About the Faculty'. Below this is a portrait of Prof. Manzoor Ahmed and a paragraph of text describing his background and interests. A dropdown menu is visible, listing the subjects: 'Operating Systems', 'Principles of Programm...', 'Data Structures and Ap...', 'Principles of Artificial In...', 'JAVA For Mobile Applic...', and 'Advanced Artificial Intel...'. The browser taskbar shows the time as 12:44 PM on 10/6/2023.



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COURSE WEBSITE

Manzoor Ahmed Home Subjects Lab Information CIE and SIE Question Papers

- [About the Course](#)
- [Syllabus](#)
- [Lesson Plan](#)
- [Module-1 Videos](#)
- [Module-2 Videos](#)
- [Module-3 Videos](#)
- [Module-4 Videos](#)
- [Module-5 Videos](#)
- [Notes](#)
- [Question Bank](#)
- [Module-1 Revision](#)
- [Quiz on Computer System Architecture](#)
- [Quiz on Operating System Services](#)
- [Image Description about OS Services](#)

About the Course

sites.google.com/view/manzoorahmed/subjects/operating-systems

Manzoor Ahmed Home Subjects Lab Information CIE and SIE Question Papers

Implementing File system. File system structure, File system implementation, Directory implementation, Allocation methods, Free space management

Module-1 Videos


Introduction	Module-1 Session-1	Module-1 Session-2	Module-1 Session-3



COURSE WEBSITE

Manzoor Ahmed | Home | Subjects | Lab Information | CIE and SIE Question Papers

Activity on Network Topologies

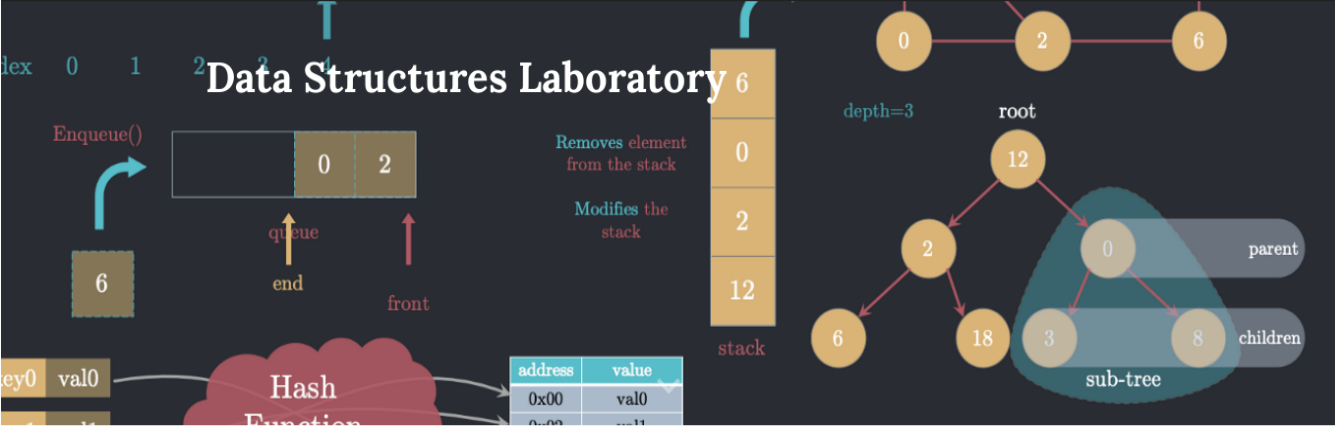


Network Topologies (Star, Bus, Ring, Mesh, Ad hoc,

12:40 PM 10/6/2023

Manzoor Ahmed | Home | Subjects | Lab Information | CIE and SIE Question Papers

Data Structures Laboratory



Enqueue() diagram showing a queue with elements 0 and 2, and a new element 6 being added. Labels include 'queue', 'end', and 'front'.

Stack diagram showing elements 6, 2, and 12. Labels include 'stack' and 'depth=3'.

Tree diagram showing a root node 12 with children 2 and 0. Node 2 has children 6 and 18. Node 0 has children 3 and 8. Labels include 'parent', 'children', and 'sub-tree'.

Hash Function diagram showing a table with 'key' and 'val' columns, and a 'Hash Function' box.

key	val
0x00	val0
0x01	val1

Course Objectives

- Asymptotic performance of algorithms.
- Linear data structures and their applications such as stacks, queues and lists.
- Non-Linear data structures and their applications such as trees and graphs.

12:41 PM 10/6/2023



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Browser: sites.google.com/view/manzoorahmed/subjects/operating-systems

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Module-1 Revision

Operating System				
Introduction to OS	Memory Management	System Services	Process Management	OS Structure
100	100	100	100	100
200	200	200	200	200
300	300	300	300	300

Quiz on Computer System Architecture

12:43 PM 10/6/2023

Browser: sites.google.com/view/manzoorahmed/cie-and-sie-question-papers/principles-of-programming-using-c

Manzoor Ahmed | Home | Subjects | Lab Information | CIE and SIE Question Papers

Question Papers

Principles of Programming Using C

Question Bank

Module-1 Qu...	Module-2 Qu...	Module-3 Qu...	Module-3 Qu...	Module-4 Qu...	Module-5 Qu...
Module-1	Module-2	Module-3 Part-1	Module-3 Part-2	Module-4	Module-5

CIE Question Papers | 12:46 PM 10/6/2023



COURSE WEBSITE

Recorded Video Lecture

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Creating Variable

- Python has no command for declaring a variable.
- A variable is created the moment you first assign a value to it.
- The Assignment (=) operator is used to assign value to a variable.

Example
X=10
Name="skit"
Y=12.535

Multiple Assignment

- Python allows us to assign a value to multiple variables in a single statement, which is also known as multiple assignments.

Example
X=y=z=10
a,sum,b=10,20,2.5

7/3/2023 13 /skit.org.in

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Types of Variables

There are two types of variables in Python - Local variable and Global variable.

01 Local variable

Local variables are the variables that declared inside the function and have scope within the function.

```
def add(): # Declaring a function  
    a = 20 # Defining local variables.  
    print(a)  
add() # Calling a function  
print (a)
```

02 Global variable

Global variables can be used throughout the program, and its scope is in the entire program. We can use global variables inside or outside the function.

```
a=10 # Defining global variables.  
def add(): # Declaring a function  
    global a  
    print(a)  
a="Welcome to SKIT"  
add() # Calling a function  
print (a)
```

7/3/2023 14 /skit.org.in

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Creating Variable

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7/3/2023 13 /skit.org.in



Sri Raghavendra Educational Institutions Society (R)
Sri Krishna Institute of Technology

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SKIT - SKILL DEVELOPMENT CELL

2022-23

SDC ACTIVITIES



MEMBERS OF THE SKILL DEVELOPMENT CELL

Name	Designation	Department
Aruna R	Assistant Professor, Coordinator	CSE
Chaitra	Assistant Professor, Member	Basic Science
Shwetha R	Assistant Professor, Member	ECE
Manjunath	Assistant Professor, Member	Civil
Sowmya C V	Assistant Professor, Member	CSE
Ramya	Assistant Professor, Member	AIML
Dinesh	Assistant Professor, Member	MECH
Rajesh Kumar	Assistant Professor, Member	MECH
Pujitha	Assistant Professor, Member	Basic Science



INTERNSHIP DOMAINS CARRIED OUT :12.10.22 TO 04.11.2022

- 1. Sensors & Sensor Application development by RVCE – Dr. Kendaganna Swamy**
- 2. Comedkares – Modern Prototyping Tools**
- 3. Drone Technology by Gened Technologies – Mr. Udhay Bhargav**
- 4. 3 D Printing Technology by Mr. Lijith V V**
- 5. Arduino Programming & App Development by Skill Development Cell SKIT- Prof. Shwetha R**



Sensors & Sensor Application development by RVCE – Dr. Kendaganna Swamy

- Design Thinking Approach
- Sensor Interfacing Using Arduino
- Introduction to Python
- Development of Projects
- 2 days visit to RV engineering college





Comedkares – Modern Prototyping Tools

- Hands on session for building paper prototypes.
- Sensor application to real time societal issues.
- Keeping Blind as the theme built prototypes for blind people .
- Project demonstration for the same .





Drone Technology by Gened Technologies – Mr. Udhay Bhargav

- Basic theoretical concepts about Drones
- Applications of the Drone technology
- Real time implementation and demonstration of drones
- Students developed the drones and learnt how to fly and control the basic drones.
- Application based drones developed by students .





3 D Printing Technology by Mr. Lijith V V

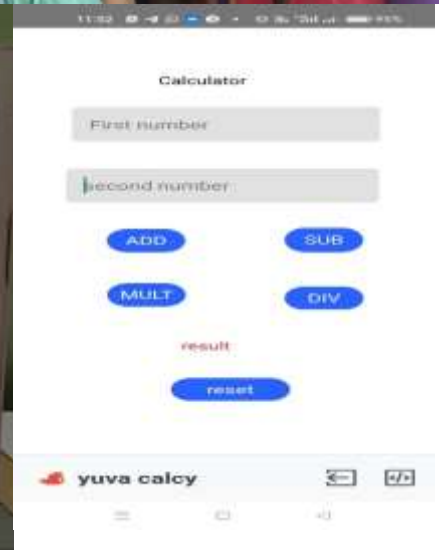
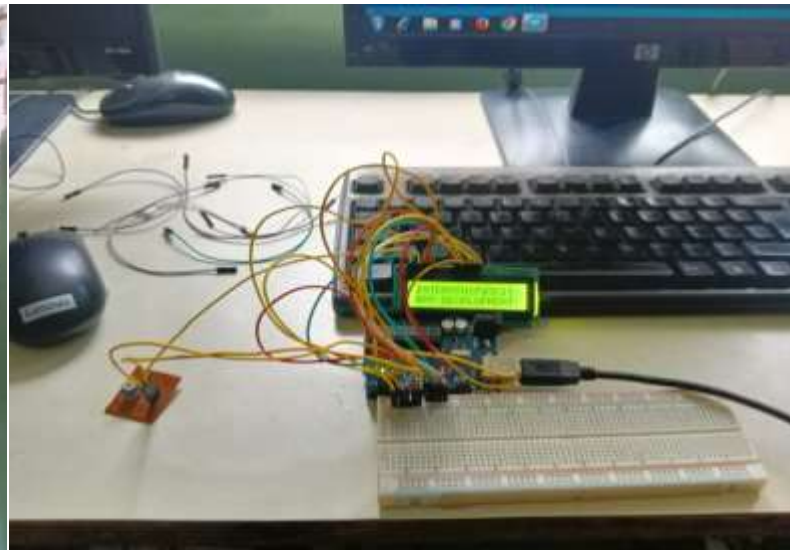
- Basic theoretical concepts about 3 D Printing
- Applications of the 3 D Printing
- Real time design and implementation 3 D Models
- Students developed different 3D Models
- Application based 3D Models developed by students .





Arduino Programming & App Development by Skill Development Cell SKIT- Prof. Shwetha R

- Sensor Interfacing Using Arduino
- Introduction to different app platforms i.e Thunkable, Scratch, Artist lab
- Students developed different App
- Development of real time Projects





Link to view internship project videos

https://drive.google.com/drive/folders/1eV1mX_PCaSX-bCo3jJGJNNx59hTtB7amP3hJNphgxFhyc8ChAbTjZo9UhFF22OcfAJB7ENU5



STUDENT ACTIVITIES THROUGH SKILL DEVELOPMENT CELL - SKIT

- **Hardware Hackathon @ BGSIT.**
- **WIE CODE @ SIT**
- **Project Expo @ BGSIT**
- **Techkriti'23, IIT KANPUR**



➤ IDT Workshop for First Year Physics Cycle Students (E,F,G Sections)

- 170+ students attended the IDT Workshop .
- 3 Resource Persons From Comedkares handled the Session





➤ **Skill Lab** for First Year Chemistry Cycle Students (A,B,C,D Sections)
on **06.03.23 to 08.03.23 & 13.03.23 to 15.03.23** for First Year Physics Cycle Students (E,F,G Sections)

- **(140+ 185=325) students attended the Skill Lab Training on**
- **3 Resource Persons From CSE & ISE handled the Sessions In 3 different labs (Language Lab , ISE Lab , ECE Lab)**
- **Prof . Imran Ulla Khan handled the sessions for D section Students in Language lab with Instructor Mrs. Pankaja & SDC Prof . Dinesh ,Mech , Prof. Sowmya ,CSE**
- **Prof .Veena Naik handled the sessions for C section Students in ISE lab with lab instructor Ms. Janvi & SDC Prof. Sindhu G , Prof. Rajesh Kumar ,Mech .**
- **Prof .Varsha J handled the sessions for A,B section Students in Language lab with Instructor Kavya & SDC Prof . Shwetha R ,Prof. Ramya ,AIML .**



The poster is for a Skill Development Laboratory organized by the Internal Quality Assurance Cell and Skill Development Cell. The main title is "AUTOMATE THE TASKS THROUGH PYTHON PROGRAMMING (LEVEL-1)". It is intended for 1st semester students of Physics and Chemistry cycles. The dates are split into two periods: 06-03-2023 to 08-03-2023 for the Chemistry cycle, and 13-03-2023 to 15-03-2023 for the Physics cycle. The resource persons are Prof. Imran Ulla Khan (Assistant Professor, Dept. of CSE, SKIT), Prof. Varsha Jituri (Assistant Professor, Dept. of CSE, SKIT), and Prof. Veena M Naik (Assistant Professor, Dept. of ISE, SKIT). The convener is Prof. Aruna R (SKIT), the head of IQAC is Dr. Savita B Hosur (SKIT), and the principal is Dr. Mahesha K (SKIT). The website www.skit.org.in is provided at the bottom.

INTERNAL QUALITY ASSURANCE CELL
and
SKILL DEVELOPMENT CELL
Organizes
SKILL DEVELOPMENT LABORATORY
on
AUTOMATE THE TASKS THROUGH
PYTHON PROGRAMMING (LEVEL-1)
for
1st semester students of Physics cycle and
Chemistry cycle

Date : 06-03-2023 to 08-03-2023
(CHEMISTRY CYCLE)

Date : 13-03-2023 to 15-03-2023
(PHYSICS CYCLE)

Resource Person
Prof. Imran Ulla Khan
Assistant Professor
Dept. of CSE, SKIT

Resource Person
Prof. Varsha Jituri
Assistant Professor
Dept. of CSE, SKIT

Resource Person
Prof. Veena M Naik
Assistant Professor
Dept. of ISE, SKIT

Prof. Aruna R
Convener,
Skill Development Cell
SKIT

Dr. Savita B Hosur
Head, IQAC
SKIT

Dr. Mahesha K
Principal
SKIT

www.skit.org.in

No.29, Chimney Hills Hesaraghatta Main Road, Chikkabanavara Post, Bangalore-560 090



➤ Skill Lab for First Year Chemistry Cycle Students (A,B,C,D Sections) on 06.03.23 to 08.03.23





➤ Skill Lab for First Year Physics Cycle Students (E,F,G Sections) on 13.03.23 to 15.03.23





➤ Skill Lab for First Year Physics Cycle Students (E,F,G Sections)

- 170+ students attended the IDT Workshop .
- 3 Resource Persons From Comedkares handled the Session






➤ MENTOR TOGETHER for Second Year Students (CSE,ISE,MECH Sections)

ON 17.03.23 @ 9.30AM IN B BLOCK SECOND FLOOR ,ROOM -208.

- 50+ students attended the session.
- 2 Resource Persons From Mentor Together handled the Session.
- ❖ Mr. Vijay & Ms. Elizabeth



MENTOR TO GO
"Even in the age of google, there are somethings only a mentor can answer"
Anagesh Muruli
Mentor Together Mentee
Mentor
Software Development Engineer, Philips

Dear Students!

We're excited to share with you the opportunity to receive **virtual career mentorship, free of cost on the Mentor To Go platform.**

Through Mentor To Go, you can find a Professional mentor to **guide you & support you** on your career journey from among thousands of career professionals across India!

In-person Session from Mentor To Go team in Sri Krishna Institute Of Technology,(SKIT), Bangalore

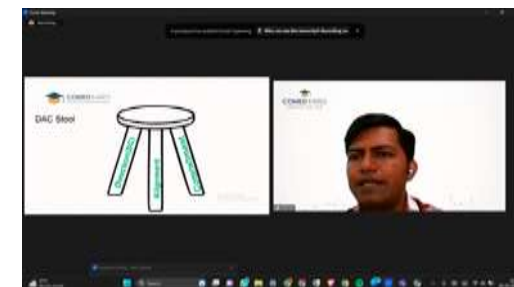
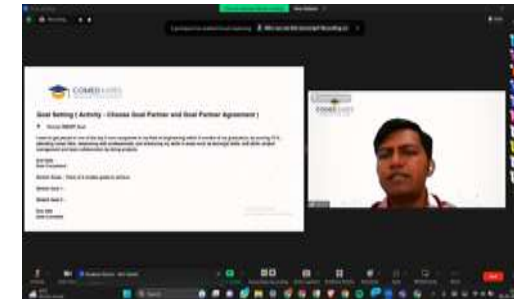
On 17th March 2023 at 9am

"Nothing is more expensive than one missed opportunity so don't miss this opportunity"





- Digital Dialogue- Webinar in association with Comedkares
- On 6th May 2023 through Zoom
- Digital Dialogue on “**Setting SMART Goals: Specific, Measurable, Achievable, Relevant, and Time-bound as students**” was conducted on May 6th 2023, in Online (Zoom) Mode. Resource Persons include Vikram Patil from i4C. Around 94 students participated in the event.





➤ Skill Lab for First Year Students (E,F,G Sections) on 07.06.23 to 08.06.23





SUMMER INTERNSHIP TRAINING FOR LATERAL ENTRY STUDENTS

Date: 17/05/23 to 02/06/23

- **Number of Students registered:30**
- **Expert: Prof. Aruna R & Prof . Shwetha R**



Summer Internship on
ARDUINO AND ANDROID APP DEVELOPMENT

PLATFORMS COVERED

- ARDUINO AND SENSOR INTERFACING
- THUNKABLE
- SCRATCH+AI
- ARTIST LAB

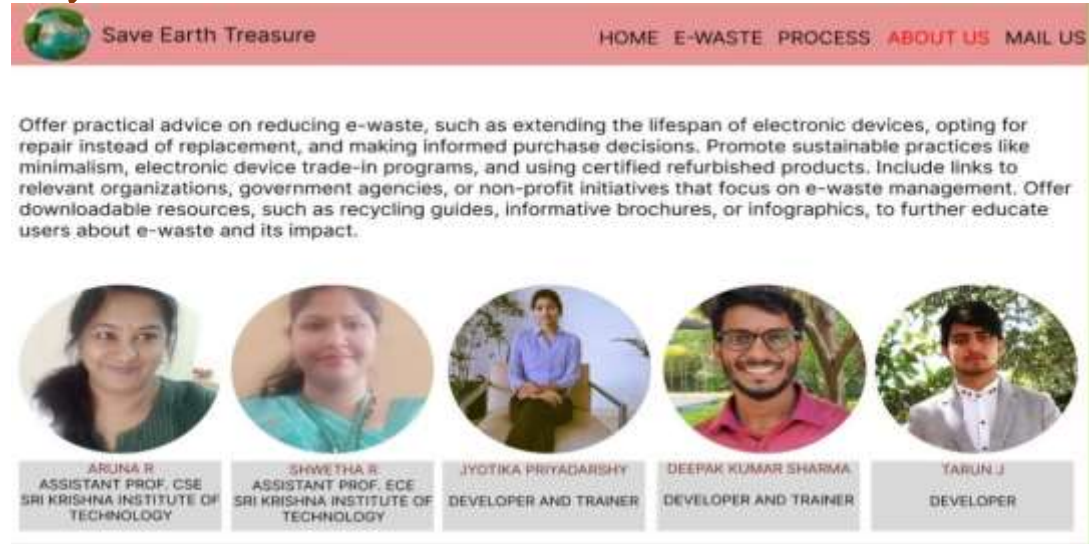
DATE:17/5/23 TO 02/06/23
TIME:10AM TO 1PM
VENUE:COMPUTER LAB-2

RESOURCE PERSON

ARUNA R ASST.PROFESSOR SKIT,BANGALORE	SHWETHA R ASST.PROFESSOR SKIT,BANGALORE
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➤ Attended the Re-imagine waste Hackathon at Comedkares on 27th ,28th May & 3rd ,4th June 2023





- SRISHTI – AGRI HACKATHON – STATE LEVEL in association with COMEDKARES
- 40 TEAMS REGISTERED THE 8 HOUR HACKATHON ON 19.06.23





- SRISHTI - E TREASUE HUNT- STATE LEVEL ON 19.06.23
- 85 TEAMS REGISTRED AND PARTICIPATED

