



**RajaRajeswari Group of
Institutions Center for Test and Data**



**Select Smart Activity Report
On**

**Python based dose and volume calculation from
structure sets of patient images from CT scanners -a
treatment evaluation**

By,
Mr. Sougumaran
Radiologist & Python Expert in Diagnosis,

Conducted on: 21-Oct-2022
Via: Zoom Meetings/YouTube
<https://meet.google.com/djz-ggyp-khz>



ACTIVITY REPORT

Activity Name	Python based dose and volume calculation from structure sets of patient images from .CT scanners -a treatment evaluation
Activity Type	Webinar
Conducted By	CTDS Bangalore

About ISERT lectures

ISERT conducts series of lectures from Industry and Academic experts. These lectures are scheduled for 40 hours spread over 2-3 months of time. This enables the beneficiaries to grasp the subject thoroughly over a period of time.

PYTHON PROGRAM

Python is a computer programming language used for build websites and software, automate tasks, and conduct data analysis. This high-impact programme will enable you to effectively drive innovation, growth, and customer experience with a cutting-edge curriculum and enriching insights from ISERT.

PROGRAM HIGHLIGHTS

- Learn from industrial experts
- Experience high-impact live online learning and explore real
- Gain industry-oriented insights from eminent industry experts
- Participate in peer-to-peer learning and expand your professional network
- Receive successful completion certificate in Design Thinking and Innovation from company and ISERT

LEARNING OUTCOMES

- To understand why Python is a useful scripting language for developers.
- To learn how to design and program Python applications.
- To learn how to use lists, tuples, and dictionaries in Python programs.

- To learn how to identify Python object types.
- To learn how to use indexing and slicing to access data in Python programs.
- To define the structure and components of a Python program.
- To learn how to write loops and decision statements in Python.
- To learn how to write functions and pass arguments in Python.
- To learn how to build and package Python modules for reusability.
- To learn how to read and write files in Python.
- To learn how to design object-oriented programs with Python classes.
- To learn how to use class inheritance in Python for reusability.
- To learn how to use exception handling in Python applications for error handling

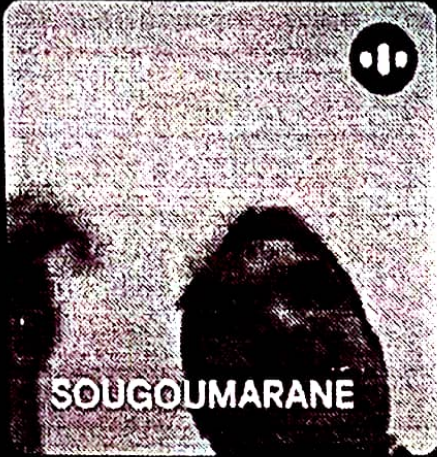
PROGRAM COORDINATOR

- Tech enthusiast with technology degree.
- Having good experience in various technologies and programming languages.
- Possess good experience in training and mentoring various types of target audience.
- Developed a unique pedagogy to deliver the concept efficiently with More on practical sessions than theory knowledge.

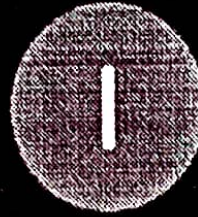
PROGRAM MODULES

- Overview
- Environment Setup
- Basic Concepts
- Basic Operators in Python
- Loops and Decision Making
- IO Operations
- Modules & Packages
- File IO operations
- Exceptions
- Object Oriented Programming

Video Link of the Activity: <https://meet.google.com/djz-ggyp-khz>



SOUGOUMARANE



ISERT



Dr



Shabaaz



Naleen



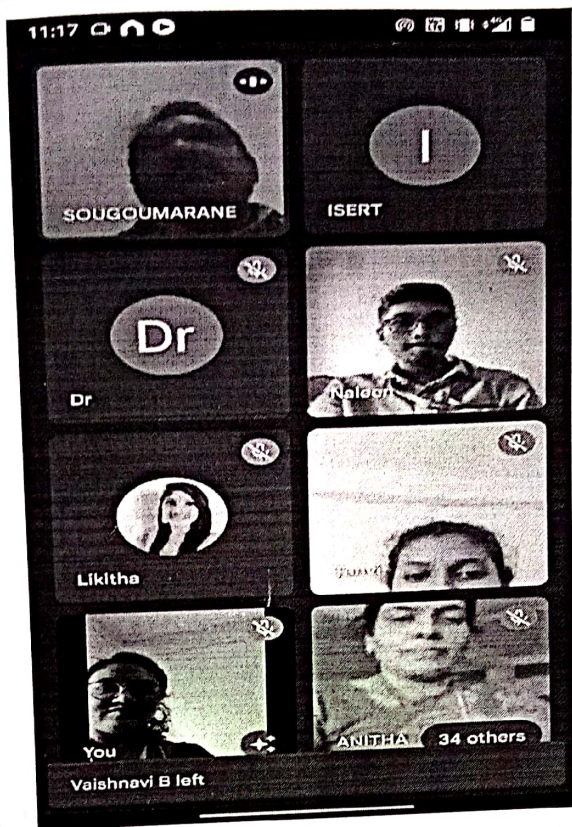
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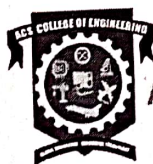
You



Indushree 35 others



MENTOR PROFILE



ACS COLLEGE OF ENGINEERING
Approved by AICTE New Delhi, Affiliated to VTU Belagavi
(A Unit of Rajarajeswari Group of Institutions)

DEPARTMENT OF BIOMEDICAL ENGINEERING



**Mr. Sougumaran - Radiologist & Phyton Expert
in Diagnosis,**

- Dedicated , Service oriented , Software Development, Professional with an appetite for Training and Mentoring
- Self Organized individual with excellent communication and technical skills



11:01 [Signal] [Battery] [Wi-Fi] [Mobile Data] [Notifications]

← About this call

People	Information	Activities
Jyothi Jyothi	🔇 🔒	⋮
Kisa Fatima	🔇 🔒	⋮
Lakshmi Priya	🔇 🔒	⋮
lavanya somashek...	🔇 🔒	⋮
Likitha 333	🔇 🔒	⋮
Linda Sunil	🔇 🔒	⋮
Manju Davy	🔇 🔒	⋮
MOHANKUMAR S...	🔇 🔒	⋮
Naleen V	🔇 🔒	⋮
Nisha Maluvelu	🔇 🔒	⋮
Pallavi Ramaiah	🔇 🔒	⋮
Pawan Cm	🔇 🔒	⋮
prathibha T.P	🔇 🔒	⋮
Pamva Kumar	🔇 🔒	⋮

[Signature]
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