

Departmental Report BSc IT

Preliminary information

I Department profile

BSc IT Co-ordinator: Mrs. Rinjal Jain.
Assistant Professors: Mr.Gauri Shankar Singh Mrs Saqueba Mistry Ms Sidranaaz Qazi, Ms.Ambreen Shaikh

II Courses/Papers taught

CLASS: FYBScIT SEMESTER: I

	SEMESTER 1		
COURSE TYPE	COURSE CODE	COURSE TITLE	CREDITS
MAJOR	T111MJ	PROGRAMMING IN C	3
MAJOR PRACTICAL	T111MJP	PROGRAMMING IN C PRACTICAL	1
MINOR	T111MN	DISCRETE MATHEMATICS	3
MINOR PRACTICAL	T111MNP	DISCRETE MATHEMATICS PRACTICAL	1
OPEN ELECTIVE (OE) 1	TOE101	FUNDAMENTALS IN IT	2
OPEN ELECTIVE (OE) 2	TOE102	OFFICE AUTOMATION	2
VOCATIONAL SKILL COURSE (VSC) 1	TVSC101	DIGITAL ELECTRONICS	(1+1)=2
VOCATIONAL SKILL COURSE (VSC) 2	TVSC102	OPERATING SYSTEMS	(1+1)=2
ABILITY ENHANCEMENT COURSE (AEC)	TAEC101	TECHNICAL COMMUNICATION SKILLS	2
VALUE EDUCATION COURSE (VEC)	TVEC101	GREEN COMPUTING	2

INDIAN KNOWLEDGE SYSTEM	TIKS101	HISTORY OF COMPUTING IN INDIA	2
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CLASS: FYBScIT SEMESTER: II

SEMESTER 2			
COURSE TYPE	COURSE CODE	COURSE TITLE	CREDITS
MAJOR	T122MJ	OBJECT ORIENTED PROGRAMMING WITH C++	3
MAJOR PRACTICAL	T122MJP	OBJECT ORIENTED PROGRAMMING WITH C++ PRACTICAL	1
MINOR	T122MN	NUMERICAL STATISTICAL METHODS	3
MINOR PRACTICAL	T122MNP	NUMERICAL STATISTICAL METHODS PRACTICAL	1
OPEN ELECTIVE (OE) 1	TOE201	CONCEPTS OF E-COMMERCE	2
OPEN ELECTIVE (OE) 2	TOE202	GRAPHIC DESIGNING WITH CORELDRAW	2
SKILL ENHANCEMENT COURSE (SEC) 1	TSEC201	WEB PROGRAMMING WITH HTML & CSS	(1+1)=2
SKILL ENHANCEMENT COURSE (SEC) 2	TSEC202	MICROPROCESSOR ARCHITECTURE	(1+1)=2
ABILITY ENHANCEMENT COURSE (AEC)	TAEC201	SOFT SKILLS IN IT	2
VALUE EDUCATION COURSE (VEC)	TVEC201	GREEN TECHNOLOGIES	2

CLASS: SYBScIT SEMESTER: III

Paper No	Title of Papers	Course Code	Credits	Status
I	Python Programming	SBTTEC301	2	
II	Data Structures	SBTTEC302	2	
III	Computer Networks	SBTTEC303	2	

IV	Database Management Systems	SBTTEC304	2	
V	Computer Oriented Statistical Techniques	SBTTEC305	2	
I	Python Programming Practical	SBTTECP301	2	
II	Data Structures Practical	SBTTECP302	2	
III	Computer Networks Practical	SBTTECP303	2	
IV	Database Management Systems Practical	SBTTECP304	2	
V	Computer Oriented Statistical Techniques	SBTTECP305	2	

CLASS: SYBScIT SEMESTER: IV

Paper No	Title of Papers	Course Code	Credits	
I	Core Java	SBTTEC401	2	
II	Computer Forensics	SBTTEC402	2	
III	Artificial Intelligence	SBTTEC403	2	
IV	IT Service Management	SBTTEC404	2	
V	Computer Graphics and Animation	SBTTEC405	2	
I	Core Java Practical	SBTTECP401	2	
II	Computer Forensics Practical	SBTTECP402	2	
III	Artificial Intelligence Practical	SBTTECP403	2	
IV	Advanced Mobile Programming Practical	SBTTECP404	2	
V	Computer Graphics and Animation Practical	SBTTECP405	2	

CLASS: TYBScIT SEMESTER: V

Paper No	Title of Papers	Course Code	Credits	
I	Software Project Management	SBTTEC501	2	

II	Internet of Things	SBTTEC502	2	
III	Advanced Web Programming	SBTTEC503	2	
IV	Linux System Administration	SBTTEC504	2	
V	Enterprise Java	SBTTEC505	2	
I	Software Project Management Practical	SBTTECP501	2	
II	Internet of Things Practical	SBTTECP502	2	
III	Advanced Web Programming Practical	SBTTECP503	2	
IV	Linux System Administration Practical	SBTTECP504	2	
V	Enterprise Java Practical	SBTTECP505	2	

CLASS: TYBScIT SEMESTER: VI

Paper No	Title of Papers	Course Code	Credits	
I	Software Quality Assurance	SBTTEC601	2	
II	Security in Computing	SBTTEC602	2	
III	Business Intelligence	SBTTEC603	2	
IV	Data Science	SBTTEC604	2	
V	Project	SBTTEC605	2	
I	Software Quality Assurance Practical	SBTTECP601	2	
II	Security in Computing Practical	SBTTECP602	2	
III	Business Intelligence Practical	SBTTECP603	2	
IV	Data Science Practical	SBTTECP604	2	
V	Project Report and Viva	SBTTECP605	2	

III BOS composition

MEMBERS OF BOS

1	Chairperson: Mrs. RINJAL JAIN.
3	Vice-Chancellor Nominee: Dr. Ajay Barve, Assistant professor Department of IT Kirti M Doongursee College, K.D. Marg, off Veer savarkar road, Dadar (west) Mumbai 400 028.
4	Two experts form the subject outside the college: I. Ms. Anita Chaware, Associate professor PG Department of Computer Science, SNDTWU, Mumbai II. Mr. Sanjaykumar Ranveer, Head of Department B. Sc.IT, SNDT Women's University, Churchgate.
4	Representative from industry/corporate sector/allied area relating to placement: Ms. Pramita Chakraborti from WIPRO LTD. - Recruitement Head of Mumbai Region.
5	One post graduate meritorious alumna: Ms. Heena Malkani
6	Experts from outside the college wherever special courses of studies are to be formulated: Mr. Kaushal Shah, Rossari Biotech Limited 201-A & B, Ackruti, Corporate Park, LBS Marg, next to GE Gardens, Kanjurmarg (W), Mumbai - 400 078.

IV Dates of BOS meetings

11th BOS Meeting- 21/10/2023

12th BOS Meeting- 16/04/2024

Report

1. Activities Conducted by the department:

- Industrial Applications of Cloud Computing Seminar
- Date:4th August, 2023
- Number of staff members involved- 1
- Number of students involved-103
- Speaker- Mr.Asif Rampurawala, Vice-Principal Science & HOD BSc IT,VSIT.

SOPHIA COLLEGE (AUTONOMOUS)
BHULABHAI DESAI ROAD MUMBAI 400026

INDUSTRIAL APPLICATIONS OF CLOUD COMPUTING
SEMINAR ORGANIZED BY
THE DEPARTMENT OF BSc IT

SPEAKER
MR. ASIF RAMPURAWALA
Vice Principal Science
Head of Department BSc IT
Vidyalankar School of
Information Technology

11.30am - 12.30pm 4th August, 2023
Room 36 and Room 37

2. Special pedagogical tools used, other than the lecture method

Audio visual aids like power point presentations, LCD projector, smart boards, speakers, mic

11. Workshops/seminars/ Conferences conducted during the year.

- Seminar on “Java Full Stack & Data Analytics” was conducted by DVOC Institute on 9th December,2023 from 11:30am -1:00pm. Number of staff members involved- 1
Number of students involved- 122

→ Seminar on “How to build your LinkedIn Profile” was conducted by IIDE on 18th September, 2023 from 10:00am -11:30am. Number of staff members involved- 1
Number of students involved- 181

SOPHIA COLLEGE
Sophia College (Autonomous)
BSc IT Department

HOW TO BUILD YOUR LINKEDIN PROFILE

Seminar organized by
ITECHNOTHON '24 X IIDE

SPEAKER

Niyati Jani

- Ed - Tech Partnership Associate, IIDE

 18th September
 10:00 AM - 11:30 AM
 AV Hall

REGISTER NOW
ECC hours will be provided!!


→ Seminar on “Prompt Engineering” was conducted by Mr. Viraj Sahu , Founder App2Build on 9th January,2024 from 11:30am -1:30pm. Number of staff members involved- 1
Number of students involved- 112

SOPHIA COLLEGE
1982

Sophia College(Autonomous)
BSc IT Department

I TECHNOITION
1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024


A Seminar on
**PROMPT
ENGINEERING**




Our Speaker
Mr. Viraj Sahu
Founder of App2Build

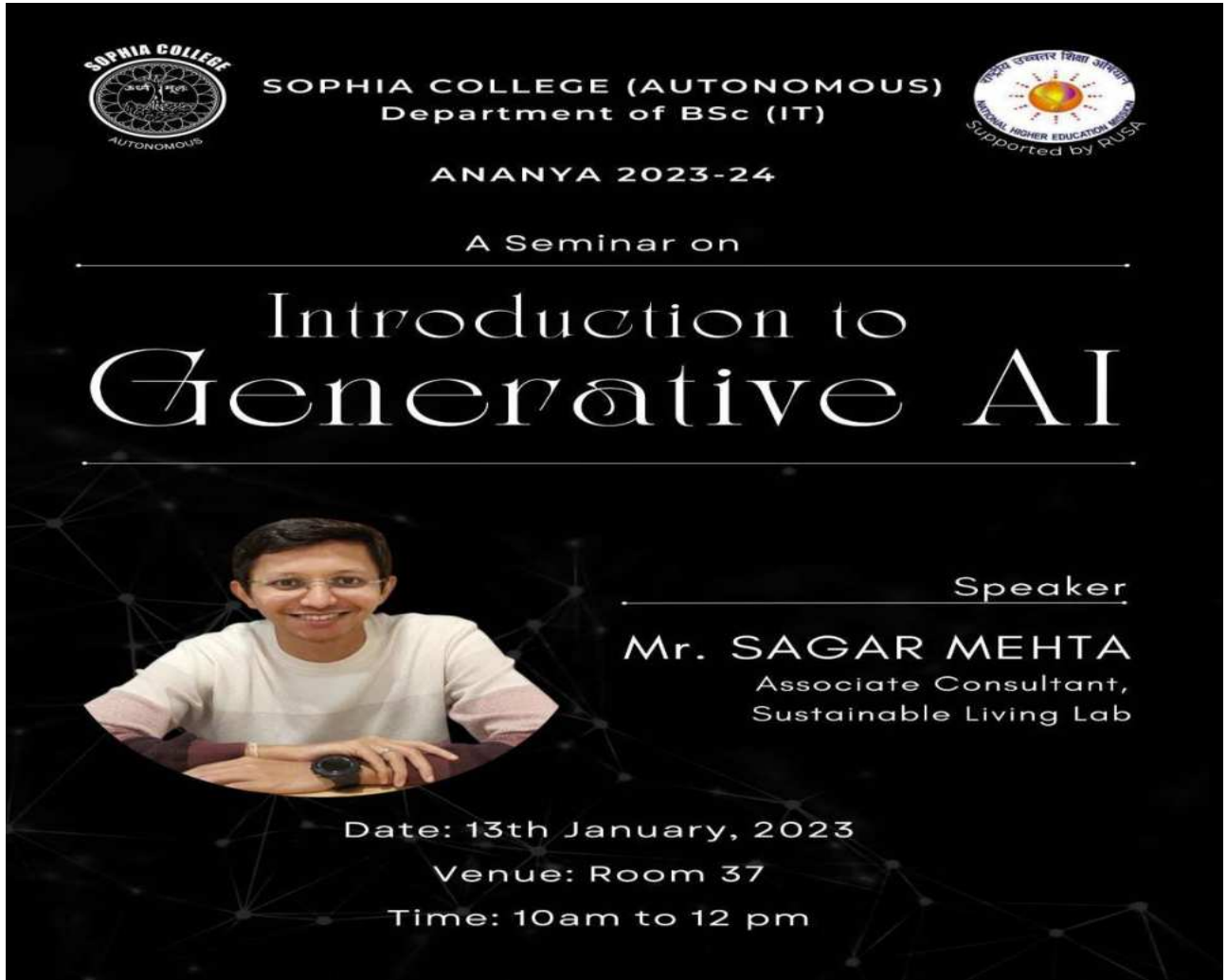
Date: 9th January, 2024
Time: 11am to 1pm
Venue: AV Hall


**REGISTER
NOW!**




 @sophiacollegebscit

→ Seminar on “Introduction to generative AI” was conducted by Mr. Sagar Mehta on 13th January, 2024 from 10:00am -12:00noon. Number of staff members involved- 1
Number of students involved- 66




 **SOPHIA COLLEGE (AUTONOMOUS)**
Department of BSc (IT)

 **ANANYA 2023-24**

A Seminar on

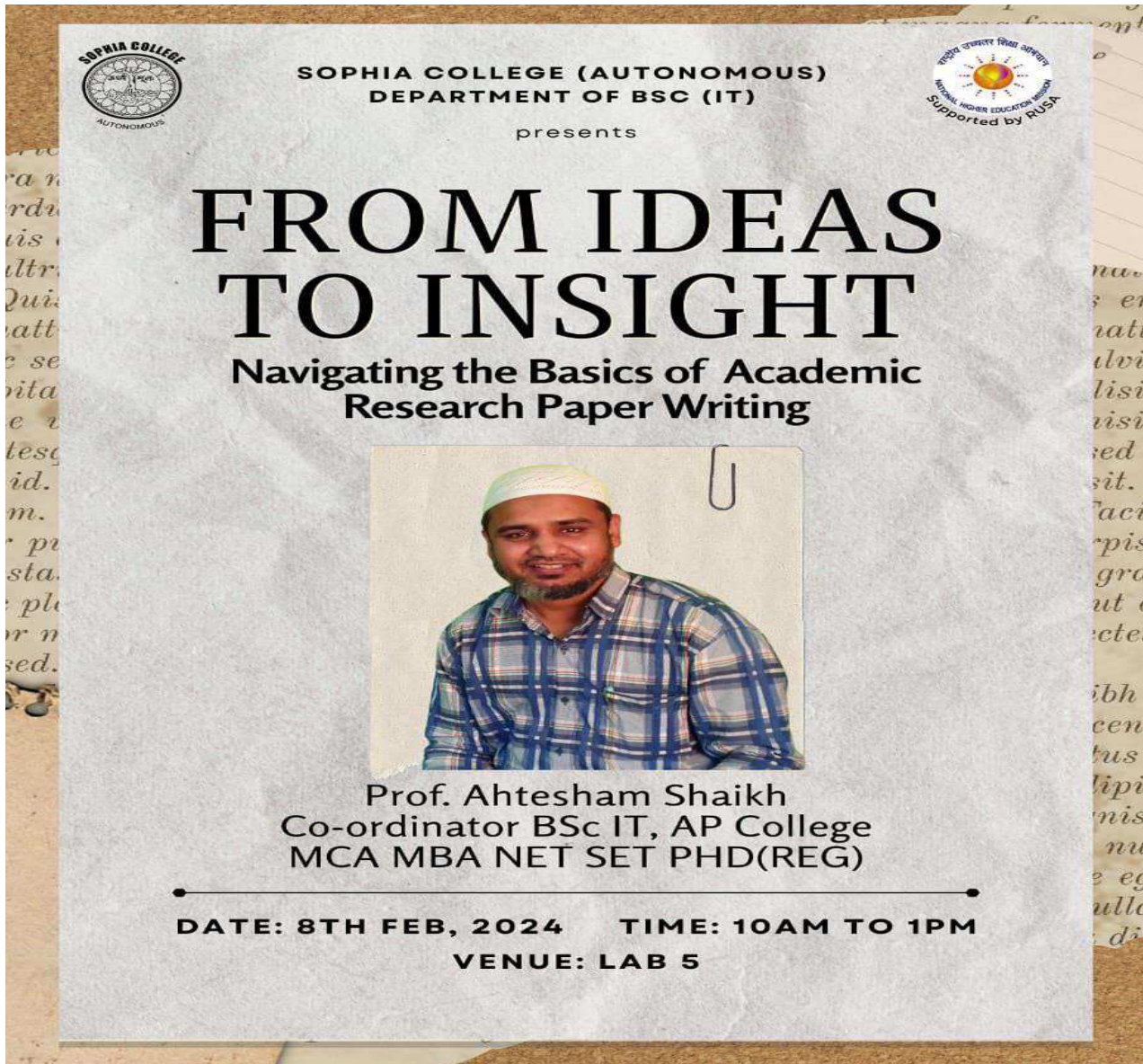
Introduction to Generative AI

 **Speaker**

Mr. SAGAR MEHTA
Associate Consultant,
Sustainable Living Lab

Date: 13th January, 2023
Venue: Room 37
Time: 10am to 12 pm

- Workshop on “From Ideas to Insight: Navigation the basics of Academic Research writing” was conducted by Mr. Ahtesham Shaikh on 6th February,2024 from 10:00am -1:00pm.
Number of staff members involved- 3
Number of students involved- 50

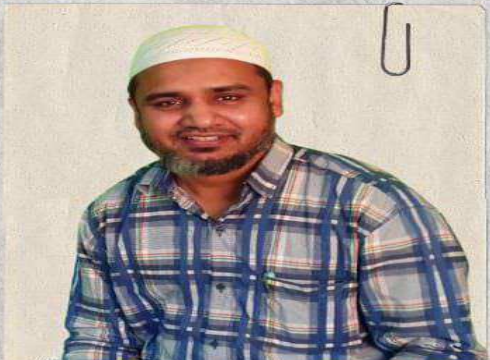


The poster is set against a background of aged, yellowed paper with faint, illegible text. It features a circular logo for Sophia College (Autonomous) on the top left and a circular logo for the Higher Education Department, Government of Andhra Pradesh, supported by RUSA, on the top right. The text is centered and reads: 'SOPHIA COLLEGE (AUTONOMOUS) DEPARTMENT OF BSC (IT) presents FROM IDEAS TO INSIGHT Navigating the Basics of Academic Research Paper Writing'. Below the title is a portrait of Prof. Ahtesham Shaikh, a man with a beard wearing a white turban and a blue and white plaid shirt. Underneath the portrait, his name and titles are listed: 'Prof. Ahtesham Shaikh Co-ordinator BSc IT, AP College MCA MBA NET SET PHD(REG)'. At the bottom, a horizontal line separates the date, time, and venue information: 'DATE: 8TH FEB, 2024 TIME: 10AM TO 1PM VENUE: LAB 5'.

SOPHIA COLLEGE (AUTONOMOUS)
DEPARTMENT OF BSC (IT)
presents

FROM IDEAS TO INSIGHT

Navigating the Basics of Academic Research Paper Writing



Prof. Ahtesham Shaikh
Co-ordinator BSc IT, AP College
MCA MBA NET SET PHD(REG)

DATE: 8TH FEB, 2024 TIME: 10AM TO 1PM
VENUE: LAB 5

5. Capacity Development and Skill Enhancement activities organised for improving students' capabilities; like Soft Skills, Language and Communication Skills, Life Skills (Yoga, Physical fitness, Health and Hygiene) & Awareness of Trends in Technology.

- E-waste collection drive was organized on the 15th September, 2023 from 9:00am-1:00pm in the canteen extension. Number of staff members involved- 1
Number of students involved- 10



6. Guidance/coaching for competitive examinations and career counselling offered to students.

- A talk on “Required Competencies for successful career development in the IT Industry” was organized on 16th September, 2023 in room no 36 and 37 from 10.30am -12:00noon, our ex-student Ms Evangelin Retnamony, Software Engineer, Ensono. was the resource person. SY & TYBSc IT students were invited to attend the same and in total 98 students attended the talk. Number of staff members involved- 2



SOPHIA COLLEGE (AUTONOMOUS)

BScIT Department Organises



**A talk on
"Required
competencies
for successful
career
development in
IT industry"**

SPEAKER

Evangelin Retnamony
Software Engineer at Ensono

Alumni of Sophia's BScIT



TIME 10:30AM



DATE 16TH SEPT'2023

Venue: Room No.36 & 37 , 3rd Flr, BScIT

8. Department Inter- collegiate Tech Fest – Itechnothon

Intercollegiate I.T. FEST “ITECHNOTHON-2023-24” was organized by the B.Sc. I.T students on the 25th January 2024.





Ranjal
BSc IT CO-ORDINATOR
SOPHIA COLLEGE FOR WOMEN
MUMBAI - 400026