

Departmental Report BSc IT 2024-25

Preliminary information

I Department profile

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

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

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

SEMESTER 3			
COURSE TYPE	COURSE CODE	COURSE TITLE	CREDITS
MAJOR	T233MJ	PYTHON PROGRAMMING	3
MAJOR PRACTICAL	T233MJP	PYTHON PROGRAMMING PRACTICAL	1
MAJOR	T234MJ	DATABASE MANAGEMENT SYSTEM	3
MAJOR PRACTICAL	T234MJP	DATABASE MANAGEMENT SYSTEM PRACTICAL	1
MINOR	T233MN	DATA STRUCTURES	3
MINOR PRACTICAL	T233MNP	DATA STRUCTURES PRACTICAL	1
OPEN ELECTIVE (OE) 1	TOE301	DIGITAL MARKETING	2
VOCATIONAL SKILL COURSE (VSC)	TVSC301	COMPUTER NETWORKS	(1+1) =2

ABILITY ENHANCEMENT COURSE (AEC)	TAEC301	CAMPUS TO CORPORATE	2
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CLASS: SYBScIT SEMESTER: IV

SEMESTER 4			
COURSE TYPE	COURSE CODE	COURSE TITLE	CREDITS
MAJOR	T245MJ	CORE JAVA	3
MAJOR PRACTICAL	T245MJP	CORE JAVA PRACTICAL	1
MAJOR	T246MJ	WEB DEVELOPMENT WITH JAVASCRIPT FRAMEWORKS	3
MAJOR PRACTICAL	T246MJP	WEB DEVELOPMENT WITH JAVASCRIPT FRAMEWORKS PRACTICAL	1
MINOR	T244MN	COMPUTER FORENSICS	3
MINOR PRACTICAL	T244MNP	COMPUTER FORENSICS PRACTICAL	1
OPEN ELECTIVE (OE) 1	TOE401	ENTREPRENEURSHIP DEVELOPMENT	2
SKILL ENHANCEMENT COURSE (SEC) 1	TSEC401	ADVANCED MOBILE PROGRAMMING	(1+1) =2
ABILITY ENHANCEMENT COURSE (AEC)	TAEC401	TECHNICAL WRITING	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 Quality Assurance	SBTTEC601	2
I	Software Project Management	SBTTECP501	2
II	Practical: Security in Computing	SBTTEC602	2
II	Internet of Things Practical	SBTTECP502	2
III	Business Intelligence	SBTTEC603	2
III	Advanced Web Programming	SBTTECP503	2
IV	Practical: Data Science	SBTTEC604	2

CLASS:
TYBScIT
SEMESTER: VI

IV	Linux System Administration Project Practical	SBTTECP604	2
V	Software Quality Assurance Practical	SBTTECP605	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, Assistant Professor, Usha Mittal Institute of Technology, Juhu Tara Road, Santacruz, Mumbai-400049
4	Representative from industry/corporate sector/allied area relating to placement: Ms. Pramita Chakraborti from WIPRO LTD. - Recruitment 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, Senior Manager, pi industries Ltd., The orb unit no.3 a, 1st floor, A wing, Andheri (E), Mumbai-400099

IV Dates of BOS meetings

13th BOS Meeting- 25th September, 2024

Report

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

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

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

→ Seminar on “INDUSTRIAL APPLICATIONS OF CLOUD COMPUTING” -RUSA Sponsored
Date: 6th July, 2024

Number of staff members involved- 1

Number of students involved-43

Speaker- Mr.Asif Rampurawala, Vice-Principal Science & HOD BSc IT,VSIT.



The poster is for a seminar titled "INDUSTRIAL APPLICATIONS OF CLOUD COMPUTING". It is organized by the Department of BSc IT at Sophia College (Autonomous), located at Bhulabhai Desai Road, Mumbai 400026. The speaker is Mr. Asif Rampurawala, Vice Principal Science and Head of Department BSc IT at Vidyalankar School of Information Technology. The seminar is scheduled for 10am to 12noon on 6th July, 2024, in Room 36 and Room 37. The poster also mentions that the seminar is supported by RUSA.

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

10am to 12noon
6th July, 2024
Room 36 and Room 37

→ Workshop on “GAME DEVELOPMENT” -RUSA Sponsored

Date:31st July, 2024

Number of staff members involved- 1

Number of students involved-47

Speaker- Mr. Valmik Jangla, Senior Software Consultant



→ Add on Course on “ETHICAL HACKING & INTERNET SECURITY”

Date: 1st August, 2024 - 31st August, 2024

Number of staff members involved- 1

Number of students involved- 72

Speaker- Mr. Sachin Dediya, CEO, Skynet Secure Solutions

→ Workshop on “REACTJS” -RUSA Sponsored

Date: 20th September, 2024

Number of staff members involved- 1

Number of students involved- 55

Speaker- Mr. Kaushal Shah, Senior Manager, pi industries Ltd.



- Seminar on “Linkedin Essentails”
- Date: 24th September, 2024
- Number of staff members involved- 1
- Number of students involved- 147
- Speaker- Ms. Niyati Jain, IIDE



- Seminar on “Exploring the Future: An Immersive Journey into XR Technologies” -RUSA
- Sponsored
- Date: 14th December, 2024
- Number of staff members involved- 2

Number of students involved- 79

Speaker- Mr. Adil Kampoo & mr. Maaz Shariff, Developer, Heuristic Academy

SOPHIA COLLEGE FOR WOMEN (EMPOWERED AUTONOMOUS)
DEPARTMENT OF BSC IT
INVITES YOU FOR A TALK
ON:

**EXPLORING THE FUTURE:
AN IMMERSIVE JOURNEY
INTO XR TECHNOLOGIES**

Name: Mr. Adil Kampoo
Designation: Senior Embedded Developer

Name: Mr. Maaz Shariff
Designation: XR Developer

🕒 9 AM - 11 AM
📍 Room no. 37
📅 14/12/2024

→ Seminar on “Introduction to AI Agents” -RUSA Sponsored

Date: 14th December, 2024

Number of staff members involved- 1

Number of students involved- 36

Speaker- Mr. Sagar Mehta, Associate Consultant, Sustainable Living Lab

SOPHIA COLLEGE FOR WOMEN (EMPOWERED AUTONOMOUS)
Department of BSc (IT)

Guest Lecture on

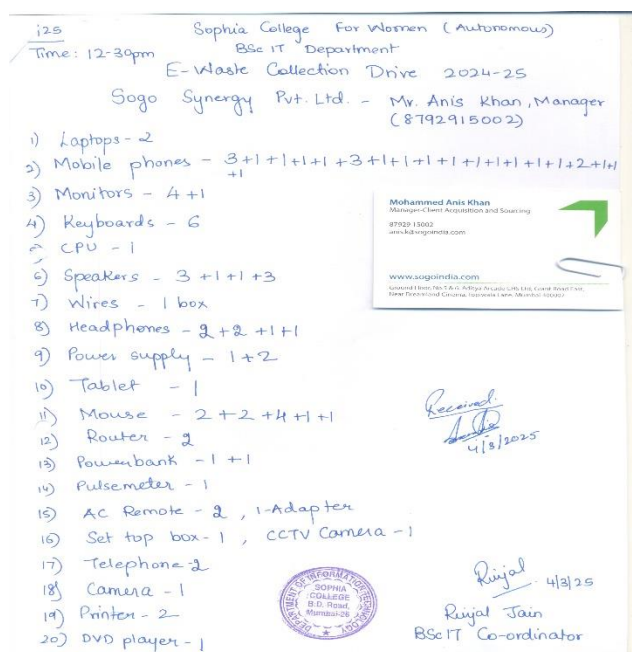
**UNDERSTANDING
AI AGENTS**

Speaker
Mr. SAGAR MEHTA
Associate Consultant,
Sustainable Living Lab


📅 14th Dec, 2024
📍 LAB 5
🕒 11am to 1 pm

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 18th & 19th November, 2024 from 9:00am – 2:00pm in the canteen extension. Number of staff members involved- 1
Number of students involved- 46. Sogo Synergy company recycled the collected e- waste.




→ Beach Clean drive at Girgaon Chowpatty – ANANYA ACTIVITY was organized on the 9th December, 2024 from 10:00am – 2:00pm. Number of staff members involved- 3
Number of students involved- 119



SOPHIA COLLEGE FOR WOMEN
(EMPOWERED AUTONOMOUS)




DEPARTMENT OF BSC - IT
PRESENTS



- ANANYA ACTIVITY -

Beach clean drive!

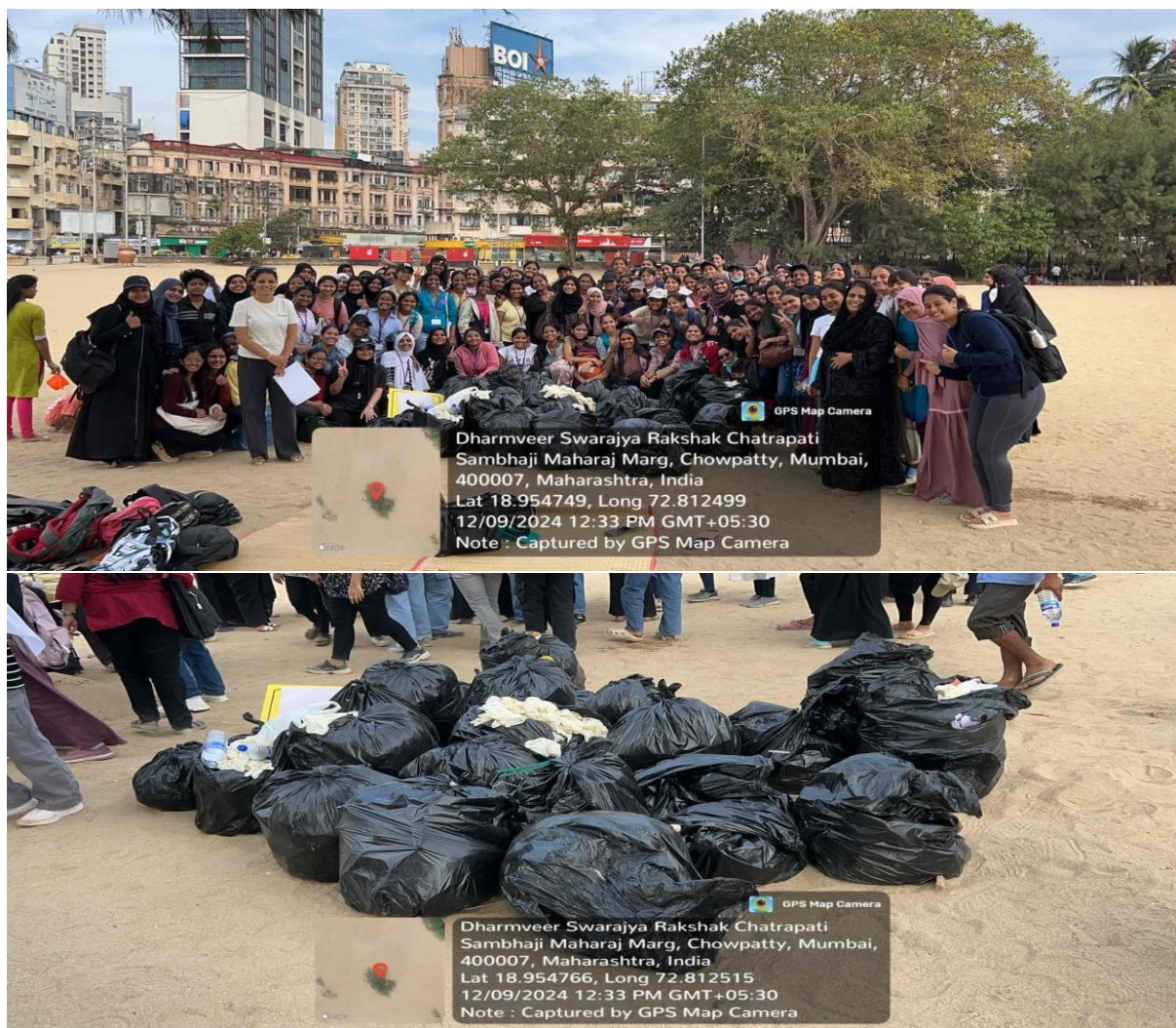
**"Every piece of trash
we pick up is a step
toward a cleaner,
healthier ocean."**

MONDAY, 9 DECEMBER 2024

GIRGAON CHOWPATTY

10 AM - 2 PM



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

- Online Careerscope talk on “Types of Jobs in IT Industry”- RUSA Sponsored was organized on 30th November, 2024 from 10.00am -11:00am, our ex- student Ms. Ankita Dubey, Technical Lead at Tech Mahindra was the resource person. Number of students involved- 83
Number of staff members involved- 2



The poster is for a careerscope talk titled "Unlock the IT Universe". It is organized by the Department of BSc.IT at Sophia College for Women (Empowered Autonomous). The talk is by its alumni, Ankita Dubey, on the topic "Types of Jobs in I.T Industry". The talk is scheduled for 30th November, 10 - 11 AM, and is an online session. The poster features a circular portrait of Ankita Dubey and a laptop icon with the word "JOB" on the screen.

Unlock the IT Universe
DEPARTMENT OF BSC.IT
INVITES YOU FOR A
CAREERSCOPE TALK
BY ITS ALUMNI ON THE TOPIC:
**TYPES OF JOBS
IN I.T INDUSTRY**

**•SPEAKER :
ANKITA DUBEY**
•ALUMNI OF BSC. IT
•TECHNICAL LEAD
(TECH MAHINDRA)

**30TH
NOVEMBER**
10 - 11 AM
ONLINE SESSION

- Online Careerscope talk on “An Introduction to Amazon Services”- RUSA Sponsored was organized on 7th December, 2024 from 10.00am -11:00am, our ex- student Ms. Evangelin Retnamony, Senior Software Engineer at Ensono was the resource person. Number of students involved- 59. Number of staff members involved- 2



The poster is for a careerscope talk titled "An Introduction to Amazon Services". It is organized by the Department of BSc.IT at Sophia College for Women (Empowered Autonomous). The talk is by its alumni, Evangelin Retnamony, on the topic "An Introduction to Amazon Services". The talk is scheduled for 7 December 2024, 10 - 11 AM, and is an online session. The poster features a circular portrait of Evangelin Retnamony.

**Sophia College for Women
(Empowered Autonomous)**
Department of BSc.IT
invites you for a
Careerscope talk
by its Alumni on topic
**AN
INTRODUCTION
TO AMAZON
SERVICES**

**Speaker:
Evangelin Retnamony**
• Alumni BSc IT
• Senior Software
Engineer at Ensono

7 December 2024
10 - 11 AM
Online

→ Online Careerscope talk on “How have Corporations began to Use GEN AI”- RUSA Sponsored was organized on 7th December, 2024 from 11.00am -12:00noon, our ex- student Ms. Siddhi Belnekar, Senior Infrastructure Analyst at Citi Corp was the resource person. Number of students involved- 57. Number of staff members involved- 2

The poster is for a talk by the Department of BSc.IT at Sophia College for Women. It features a dark blue and black background with white and yellow text. At the top left is the Sophia College logo. The main title is 'HOW HAVE CORPORATIONS BEGAN TO USE GEN AI'. Below it, the date and time are listed: 7 December 2024, 11 AM - 12 PM, and the location is Online. A photo of the speaker, Siddhi Belnekar, is shown in a circular frame. A callout box identifies her as a speaker, an alumni of BSc IT, and a Senior Infrastructure Analyst at Citi Corp.

SOPHIA COLLEGE
(EMPOWERED AUTONOMOUS)

DEPARTMENT OF BSC.IT
INVITES YOU FOR A
CAREERSCOPE TALK
BY ITS ALUMNI ON TOPIC:
HOW HAVE CORPORATIONS
BEGAN TO USE GEN AI

7 December 2024
11 AM - 12 PM
Online

Speaker:
Siddhi Belnekar
• alumni BSc IT
• Senior Infrastructure Analyst at Citi Corp

→ Careerscope talk on “Insights and Advice for Aspiring IT Professionals”- RUSA Sponsored was organized on 7th December, 2024 from 12.00noon-1:00pm, our ex- student Ms. Madiha Kazi, Lead BA at Turing was the resource person. Number of students involved- 74. Number of staff members involved- 2

The poster is for a talk by the Department of BSc IT at Sophia College for Women. It features a black background with yellow and white text. At the top left is the Sophia College logo. The main title is 'INSIGHTS AND ADVICE FOR ASPIRING IT PROFESSIONALS'. Below it, the date and time are listed: 07/12/2024, 12 PM - 1 PM, and the location is Room no. 37. A photo of the speaker, Madiha Kazi, is shown in a circular frame. A callout box identifies her as a speaker, an alumni of BSc IT, and a Lead BA (AI/ML team) at Turing.

SOPHIA COLLEGE FOR WOMEN
(EMPOWERED AUTONOMOUS)

DEPARTMENT OF BSC IT
INVITES YOU FOR A TALK
ON:
INSIGHTS AND ADVICE
FOR ASPIRING IT
PROFESSIONALS

Speaker: Madiha Kazi
Alumni of BSc IT
Job role : Lead BA (AI/ML team)
Company - Turing

07/12/2024
12 PM - 1 PM
Room no. 37

→ Careerscope talk on “From Classroom to Corporate: How Sophia College Alumni Can Excel in IT Careers”- RUSA Sponsored was organized on 13th December, 2024 from 11.30am-12:30pm, our ex- student Ms. Marwa Parkar, Operations Analyst at JP Morgan Chase & Co. was the resource person. Number of students involved- 28. Number of staff members involved- 1



SOPHIA COLLEGE
Sophia College for Women
(Empowered Autonomous)

Department of BSc.IT
invites you for a
Careerscope talk
by its Alumni on topic:

**From Classroom to
Corporate: How Sophia
College Alumni Can
Excel in IT Careers**

 **13 December 2024**

 **11:30 - 12:30**


 **ROOM NO 37**





**SPEAKER:
MARWA PARKAR**
• ALUMNI BSC IT
• OPERATIONS ANALYST AT
JP MORGAN CHASE & CO.


→ Online Careerscope talk on “Choosing where to Study Abroad”- RUSA Sponsored was organized on 17th December, 2024 from, 12.30pm-1:30pm our ex- student Ms. Abigail Pereira, Pursuing M.Sc. Cybersecurity at University Des Saarlandes, Germany was the resource person. Number of students involved- 130. Number of staff members involved- 2





SOPHIA COLLEGE
Sophia College for Women
(Empowered Autonomous)


Department of BSc.IT
invites you for a
Careerscope talk
by its Alumni on topic:


**CHOOSING WHERE TO
STUDY ABROAD**



 **17 December 2024**

 **12:30 - 1:30**

 **ONLINE**



**SPEAKER:
ABIGAIL SCHA PEREIRA**
• Pursuing M.Sc Cybersecurity
at Universität Des Saarlandes,
Germany

→ Seminar on “Group Discussion & Personal Interview”

Date: 20th December, 2024

Number of staff members involved- 1

Number of students involved- 73

Speaker- Mr. Ramessh Misshra, Assistant Director- Marketing, SPJIMR



The poster is for a seminar titled "Tips to crack Group Discussions & Personal Interview" by Ramessh Misshra. It is part of the SPJIMR Connect Series (SPCS) and is an exclusive session for students of Sophia College. The event is scheduled for Friday, 20th December, 2024, from 10 AM to 11 AM at Sophia College, Mumbai. The poster features the logos of Sophia College and SPJIMR, a photo of the speaker, and a small inset image of a group discussion.

SPJIMR Connect Series (SPCS)
presents
An exclusive session for the students of Sophia College

Tips to crack Group Discussions & Personal Interview

Friday, 20th December, 2024
10 AM to 11 AM
Sophia College, Mumbai

Ramessh Misshra
Assistant Director – Marketing, SPJIMR

→ Inhouse Campus placement drive by ASPL

Date: 24th February, 2025

Number of staff members involved- 1

Number of students involved-32

No. of Student placed -1



The poster is for a campus placement drive organized by The Department of BSc (IT) in collaboration with Arthlabh Services Private Limited and ASPL. The event is titled "CAMPUS PLACEMENT DRIVE" and is for TY BSc IT students. It is scheduled for 24th Feb, 2025, from 11am to 2 pm. The poster features the logos of Sophia College, Arthlabh Services, and ASPL, and a magnifying glass icon over the word "DRIVE".

CAMPUS PLACEMENT DRIVE

organized by
THE DEPARTMENT OF BSC (IT)
in collaboration with
ARTHLABH SERVICES PRIVATE LIMITED
<https://arthlabh.in/>

ASPL

Conducted by:
Mr. Somdutta Basu,
CEO, ASPL

for TY BSc IT students

24th Feb, 2025
Department of BSc IT
11am to 2 pm



→ Talk on “Peer Career Guidance by Campus placed TYBSc IT students”

Date: 28th February, 2025

Number of staff members involved- 1

Number of students involved-177



8. Department Inter- collegiate Tech Fest – Itechnothon

Intercollegiate I.T. FEST “ITECHNOTHON-2024-25” was organized by the B.Sc. I.T students on the 24th January 2025.



I-TECHNOTHON SCHEDULE		
TIME	EVENT	VENUE
9:00 AM - 10:00 AM	Opening Ceremony	MPH
10:00 AM - 12:00 PM	In The Limelight	AV Hall
10:00 AM - 11:30 AM	Eco Poetry Slam	AV F/B
10:30 AM - 11:30 AM	Logo Labyrinth	Lab 5
11:00 AM - 12:00 PM	DigiDoodle	Room 30
11:00 AM - 12:30 PM	Canvas Of Realms	Room 10
11:00 AM - 2:00 PM	BattleBlitz	Room 36 & 37
11:30 AM - 1:30 PM	Mystic Makeover	MPH
12:00 PM - 1:30 PM	Green Pitch	AV F/B
12:00 PM - 2:00 PM	Decode The Hunt	Lab 5
12:30 PM - 2:30 PM	Reel Riot	Room 30
1:30 PM - 3:30 PM	Realm's Got Talent	MPH
Day Long Event	Arcade Blaze	Volleyball Court
Day Long Event	Playcation	Central Lawn
3:30 PM - 4:00 PM	Closing Ceremony	MPH

24TH JANUARY 2025

@sophiacollegebck



PLACEMENT 2024-25

COMPANY NAME	NO. OF STUDENT PLACED	PACKAGE
ICICI BANK	2	7 LPA
AVA INTERN EDUTECH PVT LTD.	1	4 LPA- 6LPA +1.2 LPA INCENTIVE
ASPL	1	4.8LPA
PURPLE	1	3 LPA
MYMONEYMANTRA	7	2.5-3 LPA
INFOSYS	1	2.2LPA
WIPRO	1	1.86 LPA
INTERNSHIP WITH DMC DIGITAL MARKETING & IT CONSULTANTS PVT LTD.	1	4.5K P/M

Rinjal
BSc IT Co-ORDINATOR
SOPHIA COLLEGE FOR WOMEN
MUMBAI - 400026