



Sadhana Education Society's
**L. S. Raheja College of
Arts & Commerce**
Gujarati Linguistic Minority Institute

BOOKLET

DEPARTMENT OF SCIENCE (INFORMATION TECHNOLOGY)

FROM 2016 TO 2022



TABLE OF CONTENTS

01	/ INTRODUCTION
02	/ MEMBERS OF DEPARTMENT
03	/ COURSES OFFERED BY THE COLLEGE:
04	/ PROGRAM OUTCOME:
05	/ ADD-ON COURSES:
06	/ STUDENT DATA
07	/ PROJECT/BEST PRACTICE
08	/ TEACHING LEARNING METHODS
09	/ RESULT ANALYSIS
10	/ LIST OF ACTIVITIES THROUGHOUT THE YEARS
11	/ FUTURE PLANS OF BSCIT DEPARTMENT.



INTRODUCTION:

The objective of B.Sc.-IT program is designed to provide basic inputs in various aspects of and a broad understanding in IT and its other interdisciplinary interfaces. The focus of the program is "Information Technology and management of information technology. Sadhana Education Society's L. S. Raheja College of Arts & Commerce started the Bachelor in Science in Information Technology (BSc IT) programme in 2007. In this department, students from L. S. Raheja College have demonstrated their interest and acquired a number of changes that have resulted in the advancement of the IT department. TECHNIKA is an intra-departmental fest initiated by the students in which they promote the department to students from other courses.

MEMBERS OF DEPARTMENT:

Name	Designation
Ms. Prajakta Joshi	Coordinator
Vahid Kapadia	Visiting Faculty
Sayali Narayan Parab	Visiting Faculty
Amin Mirza	Visiting Faculty
Vineet Khamrai	Visiting Faculty
Yaquta Tambuwala	Visiting Faculty
Jyoti Chaudhary	Visiting Faculty
Gufran Qureshi	Visiting Faculty
Snehal Borade	Visiting Faculty

COURSES OFFERED BY THE COLLEGE:

Semester 1 – First Year

- Imperative Programming
- Digital Electronics
- Operating System
- Discrete Mathematics
- Communication Skills

Semester 2 – First Year

- Object Oriented Programming
- Microprocessor Architecture
- Web Programming
- Numerical Statistical Mathematics
- Green Computing

Semester 3 – Second Year

- Python Programming
- Data Structure
- Computer Networks
- Data Base Management System
- Applied Mathematics + Mobile Programming.

Semester 4 – Second Year

- Core Java
- Introduction to Embedded systems
- Computer Oriented Statistic Techniques
- Software Engineering
- Computer Graphics

Semester 5 – Third Year

- Software project Management
- Internet Of Things
- Advanced Web Programming
- Artificial Intelligence
- Enterprise Java

Semester 6 – Third Year

- Software Quality Assurance
- Security In Computing
- Business Intelligence
- Principles of Geographic System
- Cyber Law

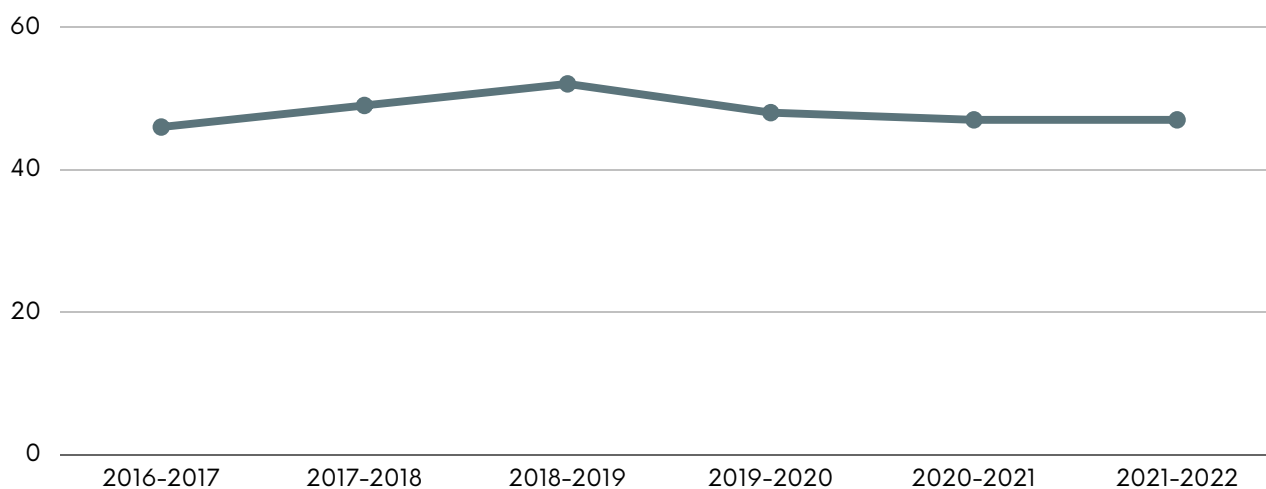
PROGRAM OUTCOME:

- Identify information technology related problems, analyse them and design the system or provide solutions with current techniques and tools to the problem.
- Apply current technical concepts and practices in the core information technologies of artificial intelligence, information management, programming, networking and web systems and technologies.
- Be able to effectively integrate IT-based solutions into the user environment.

ADD-ON COURSES:

Course	Year	Duration	No. of Participants
Advance Excel	2019 to 2020	30 hours	45 students
Advance Excel	2021 to 2022	30 hours	57 students
Computer Graphics and animation	2021 to 2022	30 hours	61 students
Machine Intelligence	2021 to 2022	30 hours	47 Students
Programming Logic Building	2021 to 2022	30 hours	64 Students

STUDENT DATA:



2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022
46	49	52	48	47	47

PROJECT/BEST PRACTICE:



- ▶ WIFI SAMAI(2019-2020)
- ▶ STUDYLITE APP(2020-2021)
- ▶ MANAGEMENT QUOTA SOFTWARE(2020-2021)
- ▶ MAPPING OF TREES/PLANTS TO QR CODE (2021-2022)

TEACHING LEARNING METHODS:

- Group Discussion ◀
- Student Centric/ Constructive Approach ◀
- Project Based Learning ◀
- Inquiry Based Learning ◀
- Flipped Classroom ◀
- Cooperative Learning ◀
- Personalized Education ◀



RESULT ANALYSIS:

YEAR	O	A+	A	Pass
2016-2017	1	0	10	63
2017-2018	0	0	20	87.76
2018-2019	0	2	6	67.31
2019-2020	0	3	12	100
2020-2021	0	4	15	95.65
2021-2022	0	6	15	95.74



LIST OF ACTIVITIES THROUGHOUT THE YEARS:

ACADEMIC YEAR 2016-2017

1. WORKSHOPS (PRE-PLACEMENT TRAINING)
2. WORKSHOPS (MICROSOFT ASP.NET WITH CLOUD)

ACADEMIC YEAR 2017-2018

1. WORKSHOP (WEBSITE DEVELOPMENT)
2. WORKSHOP (CERTIFICATION)

ACADEMIC YEAR 2019-2020

- 1.SEMINARS (TOPIC OF CAREERS IN THE AVIATION INDUSTRY[FLY HIGH AVIATION ACADEMY])
- 2.SEMINAR (CURRENT AFFAIRS)
- 3.SEMINAR (LIFE AT AN IIM)
- 4.SEMINARS (AVIATION, HOSPITALITY, FILM AND MEDIA [BY YOUNGBUTTERFLY])
- 5.SEMINARS (CONTENT WRITING, PRESENTATION AND STRESS MANAGEMENT (BY YOUNGBUTTERFLY))
- 6.CANDIDATES SHORTLISTED FOR CAMPUS ASSESSMENT PROGRAM, CONDUCTED BETWEEN 01-JAN TO 26-FEB 2020 (SQUAD INFOTECH)
- 7.GUEST LECTURE (HOW TO PRESENT YOURSELF)
- 8.ADD ON COURSE (ADVANCE EXCEL COURSE)

ACADEMIC YEAR 2020-2021

- 1.QUIZ ON "WEB TECHNOLOGY"
- 2.INAUGURATION CEREMONY & CL MEET OF TECHNIKA 3.0
- 3.TECHNIKA'S EVENTS (FACE PAINTING, TYPING MASTER, TECH QUIZ, COD, HACK IT OR RECEIVE IT, ARGUE WITH ETHICS, SHOW DOWN PPT)
- 4.TECHNIKA 3.0 CLOSING AND PRIZE DISTRIBUTION
- 5.WORKSHOPS (MACHINE LEARNING, GETTING STARTED WITH LINKEDIN, EXPLORING GOOGLE PRODUCT)
- 6.WORLD TELE-COMMUNICATION DAY & INFORMATION SOCIETY DAY QUIZ.

ACADEMIC YEAR 2021-2022

- 1.ADD ON COURSE FOR SY.BSCIT & TY.BSCIT
- 2.INAUGURATION CEREMONY & CL MEET OF TECHNIKA 4.0
- 3.TECHNIKA'S EVENTS (FACE PAINTING, COD, CLASH OF WITS, TECHNIKA STOCK EXCHANGE, DEBUG ME, DIGITAL POSTER, ESCAPE ROOM, ARTICLE WRITING, MURDER MYSTERY)
- 4.TECHNIKA 4.0 CLOSING AND PRIZE DISTRIBUTION
- 5.GUEST LECTURE ("I.T. RECRUITMENT PROCESS-AN OVERVIEW")
- 6.CELEBRATION OF WORLD COMPUTER LITERACY DAY (DOODLE POSTER COMPETITION)
- 7.INTERVIEW PROCESS FOR FINCLUSION.
- 8.ORIENTATION ON TATA STRIVE GOOGLE SCHOLARSHIP PROGRAM
- 9.INDUSTRIAL VISIT
- 10.FAREWELL FOR TYBSCIT_2021-22

FUTURE PLANS OF BSCIT DEPARTMENT.

- 1) WORKSHOPS/SEMINAR.
- 2) PROMOTING RESEARCH WORK AND SMALL PROJECTS.
- 3) COLLABORATION AND EXCHANGE PROGRAM.
- 4) INTERVIEW PREPARATIONS FOR STUDENTS (CV MAKING, MOCKS).
- 5) TRAINING PROGRAM FOR TEACHING AND NON-TEACHING STAFF.
- 6) ACADEMIC COUNSELLING FOR STUDENTS TO CHOOSE THE RIGHT PATH IN THEIR CAREER.
- 7) CERTIFIED COURSES.