

# AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Information Technology



# Part A : Institutional Information

## 1 Name and Address of the Institution

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING,  
AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING NIZARA EDUCATIONAL CAMPUS,AVADI I.A.F.,MUTHAPUDUPET,CHENNAI-55

## 2 Name and Address of Affiliating University

Anna University, Sardar Patel Road, Guindy, Chenna

## 3 Year of establishment of the Institution:

2000

## 4 Type of the Institution:

<input type="checkbox"/> University	<input type="checkbox"/> Autonomous
<input type="checkbox"/> Deemed University	<input checked="" type="checkbox"/> Affiliated
<input type="checkbox"/> Government Aided	

## 5 Ownership Status:

<input type="checkbox"/> Central Government	<input checked="" type="checkbox"/> Trust
<input type="checkbox"/> State Government	<input type="checkbox"/> Society
<input type="checkbox"/> Government Aided	<input type="checkbox"/> Section 25 Company
<input checked="" type="checkbox"/> Self financing	<input type="checkbox"/> Any Other(Please Specify)

## 6 Other Academic Institutions of the Trust/Society/Company etc., if any:

Name of Institutions	Year of Establishment	Programs of Study	Location
AALIM MUHAMMED SALEGH ACADEMY OF ARCHITECTURE	2011	B.Arch	"Nizara Educational Campus", Muthapudupet, I.A.F Avadi, Chennai - 600 055
AALIM MUHAMMED SALEGH POLYTECHNIC COLLEGE	1996	Diploma	"Nizara Educational Campus", Muthapudupet, I.A.F Avadi, Chennai - 600 055

## 7 Details of all the programs being offered by the institution under consideration:

Name of Program	Program Applied level	Start of year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation status	From	To	Program for consideration	Program for Duration
INFORMATION TECHNOLOGY	UG	2006	2006	60	No	60	Applying first time	--	--	Yes	4
COMPUTER SCIENCE AND ENGINEERING	UG	2000	2000	40	No	120	Not accredited (specify visit dates, year)	25/03/2011	27/03/2011	No	4
ELECTRICAL AND ELECTRONICS ENGINEERING	UG	2000	2000	60	Yes	30	Granted accreditation for 3 years for the period (specify period)	2011	2014	0	4

**Sanctioned Intake for Last Five Years for the ELECTRICAL AND ELECTRONICS ENGINEERING**

Academic Year	Sanctioned Intake
2022-23	30
2021-22	60
2020-21	60
2019-20	60
2018-19	60
2017-18	60

ELECTRONICS AND COMMUNICATION ENGINEERING	UG	2000	2000	60	Yes	60	Granted accreditation for 3 years for the period (specify period)	2011	2014	0	4
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**Sanctioned Intake for Last Five Years for the ELECTRONICS AND COMMUNICATION ENGINEERING**

Academic Year	Sanctioned Intake
2022-23	60
2021-22	60
2020-21	60
2019-20	60
2018-19	120
2017-18	120

MECHANICAL ENGINEERING	UG	2007	2007	60	Yes	60	Applying first time	--	--	0	4
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**Sanctioned Intake for Last Five Years for the MECHANICAL ENGINEERING**

Academic Year	Sanctioned Intake
2022-23	60
2021-22	60
2020-21	60
2019-20	120
2018-19	120
2017-18	120

CIVIL ENGINEERING	UG	2007	2007	40	Yes	30	Not eligible for accreditation	--	--	0	4
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Name of Program	Program Applied level	Start of year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation status	From	To	Program for consideration	Program for Duration
<b>Sanctioned Intake for Last Five Years for the CIVIL ENGINEERING</b>											
<b>Academic Year</b>						<b>Sanctioned Intake</b>					
2022-23						30					
2021-22						60					
2020-21						60					
2019-20						60					
2018-19						60					
2017-18						60					

**8 Programs to be considered for Accreditation vide this application:**

S No	Level	Discipline	Program
1	Under Graduate	Engineering & Technology	Computer Science & Engg.
2	Under Graduate	Engineering & Technology	Electronics & Communication Engg.
3	Under Graduate	Engineering & Technology	Information Technology
4	Under Graduate	Engineering & Technology	Mechanical Engg.

**9 Total number of employees in the institution:**

**A. Regular\* Employees (Faculty and Staff):**

Items	2022-23		2021-22		2020-21	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	42	42	47	47	50	50
Faculty in Engineering (Female)	26	26	29	29	24	24
Faculty in Maths, Science & Humanities (Male)	19	19	23	23	21	21
Faculty in Maths, Science & Humanities (FeMale)	17	17	15	15	15	15
Non-teaching staff (Male)	18	18	18	18	18	18
Non-teaching staff (FeMale)	2	2	2	2	2	2

**B. Contractual\* Employees (Faculty and Staff):**

Items	2022-23		2021-22		2020-21	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	0	0	0	0	0	0
Faculty in Engineering (Female)	0	0	0	0	0	0
Faculty in Maths, Science & Humanities (Male)	0	0	0	0	0	0
Faculty in Maths, Science & Humanities (FeMale)	0	0	0	0	0	0
Non-teaching staff (Male)	0	0	0	0	0	0
Non-teaching staff (FeMale)	0	0	0	0	0	0

**10 Total number of Engineering Students:**

Engineering and Technology- UG	<input checked="" type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
Engineering and Technology- PG	<input type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
Engineering and Technology- Polytechnic	<input type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
MBA	<input type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
MCA	<input type="checkbox"/> Shift1	<input type="checkbox"/> Shift2

**Engineering and Technology- UG Shift-1**

Items	2022-23	2021-22	2020-21
Total no. of Boys	962	890	851
Total no. of Girls	143	112	109
<b>Total</b>	<b>1105</b>	<b>1002</b>	<b>960</b>

**11 Vision of the Institution:**

The College with Cutting-edge Excellence in Learning, Teaching and Research integrates Academia, Industry and National Progress.

**12 Mission of the Institution:**

<b>MISSION - 1</b>	To offer Project based learning for all the Subjects beyond the Syllabus
<b>MISSION - 2</b>	To create Multidisciplinary and Interdisciplinary Research Environment among the Students through solving complex Social Technical Problems
<b>MISSION - 3</b>	To motivate Faculty Members and Students to undergo MOOC Courses and Certifications.
<b>MISSION - 4</b>	To collaborate with Academia and Industry for Intellectual ambience to develop intellectual environment holistically and improve Human Capabilities.

**13 Contact Information of the Head of the Institution and NBA coordinator, if designated:**

Head of the Institution	
Name	Prof. Dr. S. SATHISH
Designation	PRINCIPAL
Mobile No.	9894260193
Email ID	principal@aalimec.ac.in

 **NBA Coordinator, If Designated**

Name	Prof. Dr. N. PRABHAKARAN
Designation	Associate Professor/ECE
Mobile No.	9790780124
Email ID	drprabhakaran@aalimec.ac.in

## PART B: Criteria Summary

Criteria No.	Criteria	Total Marks	Institute Marks
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	60	60.00
2	PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES	120	120.00
3	COURSE OUTCOMES AND PROGRAM OUTCOMES	120	120.00
4	STUDENTS' PERFORMANCE	150	106.81
5	FACULTY INFORMATION AND CONTRIBUTIONS	200	142.56
6	FACILITIES AND TECHNICAL SUPPORT	80	80.00
7	CONTINUOUS IMPROVEMENT	50	50.00
8	FIRST YEAR ACADEMICS	50	47.22
9	STUDENT SUPPORT SYSTEMS	50	50.00
10	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	120	120.00
	<b>Total</b>	<b>1000</b>	<b>897</b>

## Part B

1 VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (60)

Total Marks 60.00

1.1 State the Vision and Mission of the Department and Institute (5)

Total Marks 5.00

Institute Marks : 5.00

Vision of the institute	<b>The College with Cutting-edge Excellence in Learning, Teaching and Research integrates Academia, Industry and National Progress.</b>											
Mission of the institute	<table border="1"> <tbody> <tr> <td><b>MISSION - 1</b></td> <td><b>To offer Project based learning for all the Subjects beyond the Syllabus</b></td> </tr> <tr> <td><b>MISSION - 2</b></td> <td><b>To create Multidisciplinary and Interdisciplinary Research Environment among the Students through solving complex Social Technical Problems</b></td> </tr> <tr> <td><b>MISSION - 3</b></td> <td><b>To motivate Faculty Members and Students to undergo MOOC Courses and Certifications.</b></td> </tr> <tr> <td><b>MISSION - 4</b></td> <td><b>To collaborate with Academia and Industry for Intellectual ambience to develop intellectual environment holistically and improve Human Capabilities.</b></td> </tr> </tbody> </table>	<b>MISSION - 1</b>	<b>To offer Project based learning for all the Subjects beyond the Syllabus</b>	<b>MISSION - 2</b>	<b>To create Multidisciplinary and Interdisciplinary Research Environment among the Students through solving complex Social Technical Problems</b>	<b>MISSION - 3</b>	<b>To motivate Faculty Members and Students to undergo MOOC Courses and Certifications.</b>	<b>MISSION - 4</b>	<b>To collaborate with Academia and Industry for Intellectual ambience to develop intellectual environment holistically and improve Human Capabilities.</b>			
<b>MISSION - 1</b>	<b>To offer Project based learning for all the Subjects beyond the Syllabus</b>											
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<b>MISSION - 3</b>	<b>To motivate Faculty Members and Students to undergo MOOC Courses and Certifications.</b>											
<b>MISSION - 4</b>	<b>To collaborate with Academia and Industry for Intellectual ambience to develop intellectual environment holistically and improve Human Capabilities.</b>											
Vision of the Department	<p>A. Vision of the Department To be an Excellent Information Technology Department through Teaching Learning-Edge Technologies. B. Appropriateness/Relevance of the Statements 1. Students are trained to develop projects using cutting-edge technologies. 2. Students are motivated to enhance knowledge in Research and Development. 3. Students are encouraged to involve in inter-disciplinary projects to integrate academia, industry and sustainable society. C. Consistency of the Department Statements with the Institute Statements 1. Department Mission 1 (Keywords: Experiential Learning, Logical and Critical thinking) and Mission 2 (Keyword: Interdisciplinary Research) are mapped with Institute Mission 1 (Keywords: Project-based Learning). 2. Department Mission 2 (Keywords: Solving Social and Technological problems), Mission 4 (Keywords: Cyber Ethics, Intellectual Proprietary) are mapped with Institute Mission 2 (Keywords: Multidisciplinary, Social technical problems) and Mission 4 (Keywords: Human Capabilities). 3. Department Mission 3 (Keywords: Lifelong Learning), mapped with Institute Mission 3 (Keywords: MOOC courses, Certifications).</p>											
Mission of the Department	<table border="1"> <thead> <tr> <th>Mission No.</th> <th>Mission Statements</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>To teach programming language through experimental learning for improving logical and critical thinking</td> </tr> <tr> <td>M2</td> <td>To promote interdisciplinary research for solving social and technological problems</td> </tr> <tr> <td>M3</td> <td>To encourage lifelong learning through MOOC Courses</td> </tr> <tr> <td>M4</td> <td>To educate cyber ethics to protect intellectual proprietary</td> </tr> </tbody> </table>		Mission No.	Mission Statements	M1	To teach programming language through experimental learning for improving logical and critical thinking	M2	To promote interdisciplinary research for solving social and technological problems	M3	To encourage lifelong learning through MOOC Courses	M4	To educate cyber ethics to protect intellectual proprietary
Mission No.	Mission Statements											
M1	To teach programming language through experimental learning for improving logical and critical thinking											
M2	To promote interdisciplinary research for solving social and technological problems											
M3	To encourage lifelong learning through MOOC Courses											
M4	To educate cyber ethics to protect intellectual proprietary											

1.2 State the Program Educational Objectives (PEOs) (5)

Total Marks 5.00

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PEO No.	Program Educational Objectives Statements
PEO1	To ensure Graduates to be proficient in utilizing the fundamental knowledge of basic Sciences, Mathematics and Information Technology for the application relevant to various streams of Engineering and Technology
PEO2	To enrich Graduates with the core competencies necessary for applying knowledge of Computers and Telecommunications equipment to store, retrieve, transmit, manipulate and analyze data in the context of business enterprise
PEO3	To enable Graduates on logical thinking, pursue lifelong learning and to have the capacity in understanding technical issues related to computing systems and optimal design solutions.
PEO4	To enable Graduates in gaining employment in industry and stabilize themselves as competent professional in applying their technical skills in real time problems and meet the diversified needs of industry, academia and research.

1.3 Indicate where the Vision, Mission and PEOs are published and disseminated among stakeholders (10)

Total Marks 10.00





## A.ADEQUACY IN RESPECT OF PUBLICATION AND DISSEMINATION

The Vision, Mission statements and PEOs of the Department are published to the stakeholders as listed below

### 1) Institution website

The screenshot displays the website for AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING. The page is titled "VISION, MISSION, AND QUALITY POLICY". It features a navigation menu with links for Home, About us, Admissions, Academics, Facilities, Placements, Achievement, Research, Centre, Accreditation, and Contact. The main content is divided into two columns: "OUR VISION" and "OUR MISSION".

**OUR VISION**

To be a college with cutting-edge excellence in learning, teaching and research integrates academia, industry and sustainable society.

**OUR MISSION**

To achieve the vision, the institutional Mission envisages dedicated efforts:

- M1: To offer, project based learning for all the subjects beyond the syllabus.
- M2: To create, multidisciplinary and interdisciplinary research environment among the students through solving complex social technical problems.
- M3: To motivate students and Faculty members to undergo MOOC's courses and certifications.
- M4: To collaborate with Academia and Industry for intellectual ecosystem to develop holistically and improve human capabilities.

Additional details from the website header include: AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING, Approved by All India Council for Technical Education - New Delhi, Affiliated to Anna University, Chennai, NAAC Accredited Institution, "Nizara Educational Campus", Muthapudupet, Avadi - IAF, Chennai - 600 055, ANNA UNIVERSITY COUNSELLING CODE : 1101, and Contact: 9840226899, 984081. A "Pay Fees Online" button is also visible.

Figure 1.1. Institute Vision and Mission in College Website

### 2) Department Webpage

**AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING**  
 Approved by All India Council for Technical Education - New Delhi, Affiliated to Anna University, Chennai  
 NAAC Accredited Institution  
 "Nizara Educational Campus", Muthapudugur, Avadi - IAF, Chennai - 600 055.  
 ANNA UNIVERSITY COUNSELLING CODE : 1101

Phone Contact: 9840226899 ,9840226899

Pay Fees Online

Home About us Admissions Academics Facilities Placements Achievement Research Centre  
 Accreditation Contact

# INFORMATION TECHNOLOGY

Admissions Enquiry 2023 - 24

**INFORMATION TECHNOLOGY**

- ABOUT
- VISION & MISSION
- FACULTY MEMBERS
- CURRICULUM
- FACILITIES

**VISION**

To be an excellent Information Technology Department through Teaching Learning-Edge Technologies.

**MISSION**

- M1: To teach programming language through experimental learning for improving logical and critical thinking
- M2: To promote interdisciplinary research for solving social and technological problems.
- M3: To encourage lifelong learning through MOOC Courses.
- M4: To educate cyber ethics to protect intellectual proprietary.

Figure 1.2.Department Vision and Mission in College Website

3)Department Magazine



# AMISCE Voice

Jan - Jun 2020

A Newsletter from AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION TECHNOLOGY

**Vision of the Department**

To be an Excellent Information Technology Department through Teaching Learning-Edge Technologies.

**Mission of the Department:**

- To teach Programming Language through Experimental learning for improving Logical and Critical Thinking
- To promote Interdisciplinary Research for solving Social and Technological problems.
- To develop Lifelong Learning through MOOC Courses
- To educate Cyber Ethics for developing the Intellectual Ecosystem.

## Interaction session on "Latest Job opportunities available in IT sector"

Er. Habib Mohammed, Team Lead, Barclays International Bank, Alumnus of department of IT (2008 - 2012 batch) had a interaction session with III year IT Students on Topic "Latest Job opportunities available in IT sector" on 12th May 2021.





## Our IT Dept student won Gold Medal in Karate

Mr. Mohammed Umriz Shariff 2nd year Student of B.Tech (IT) won Gold medal in the 7th Indo-Nepal International Federation Games held in Pokhara, Nepal.





Figure 1.3. Department Magazine(Issue:June 2020)

4)HOD Cabin

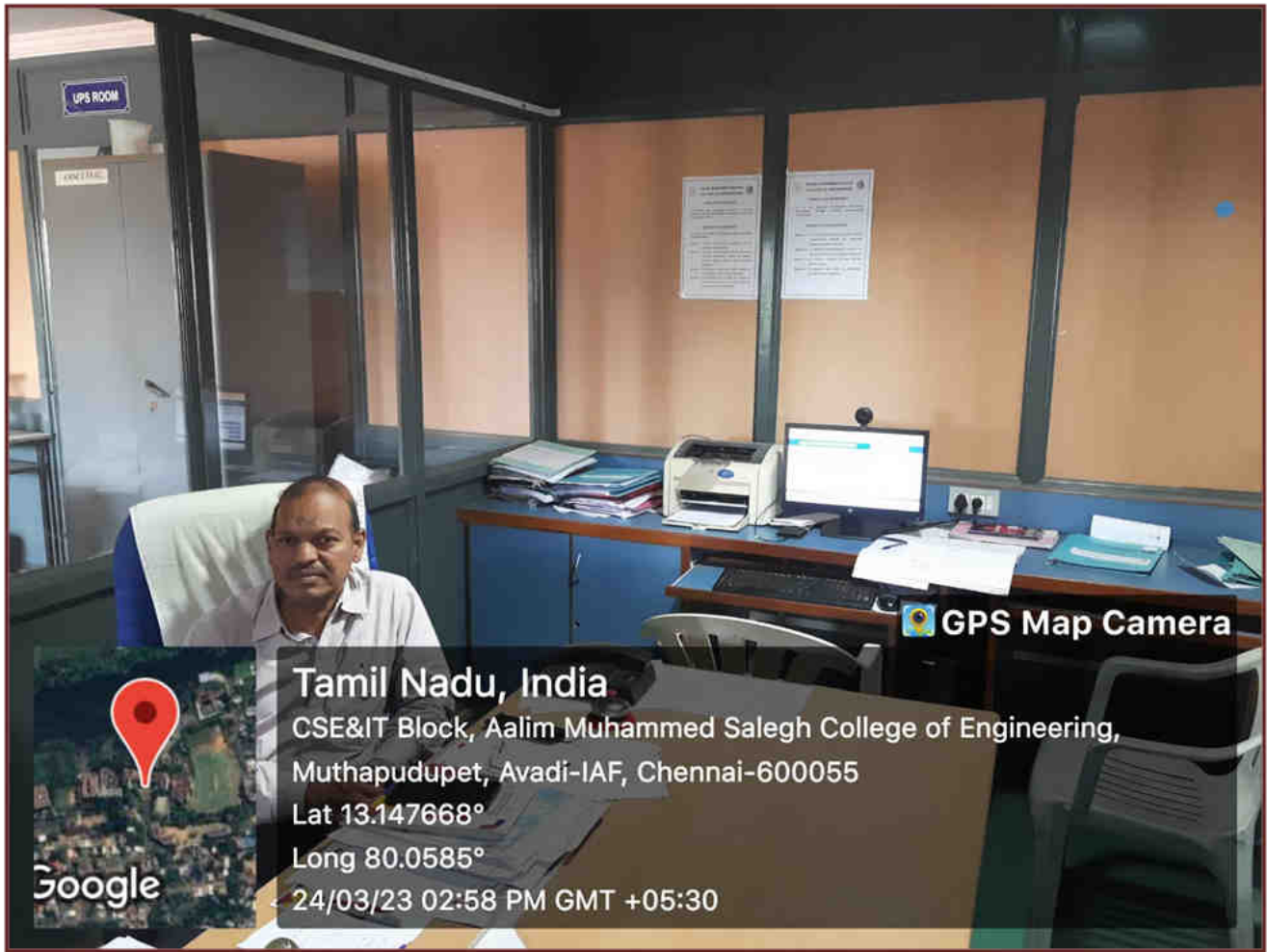


Figure 1.4.HOD Cabin

5)Student WhatsApp Groups

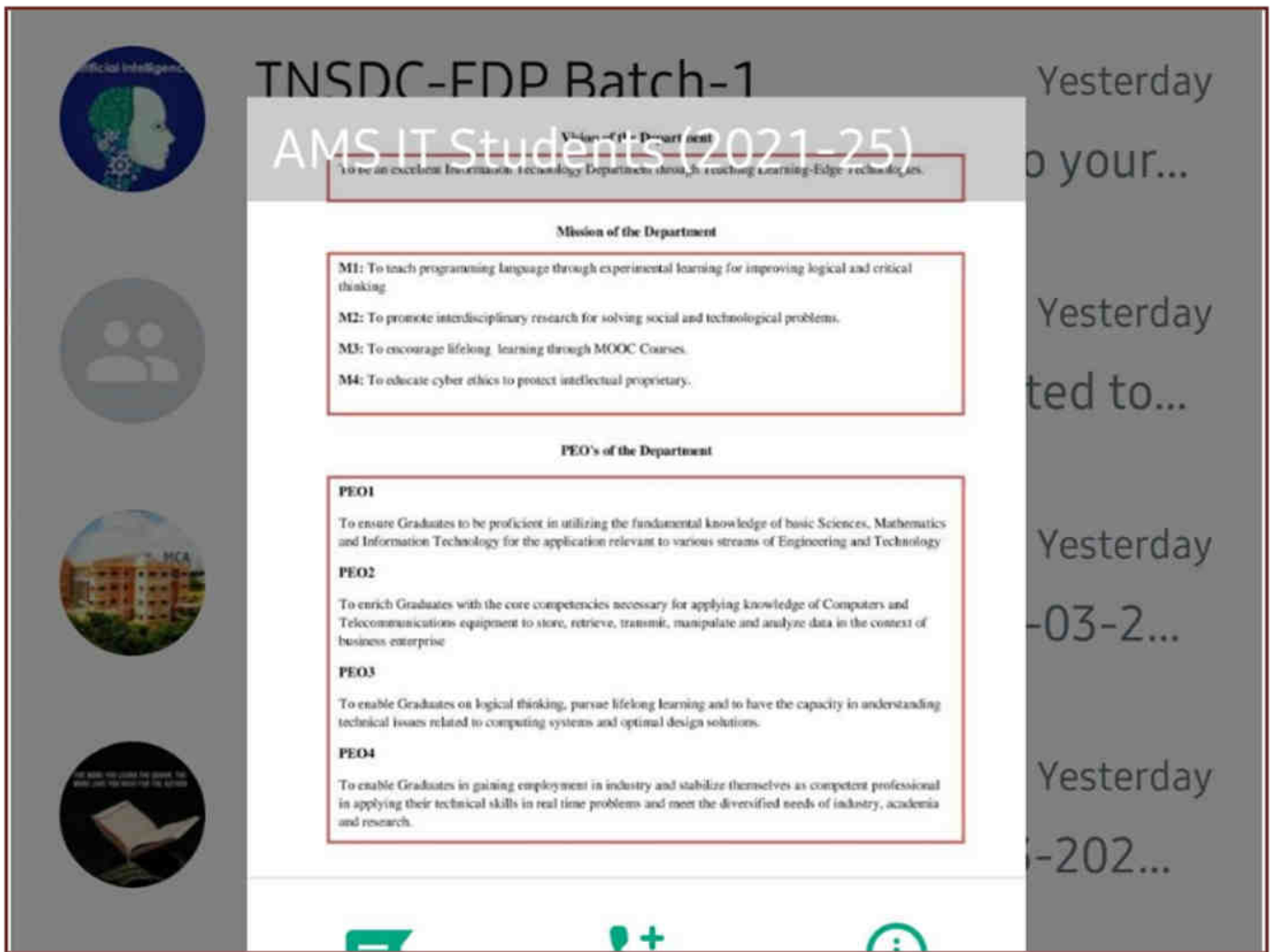


Figure 1.5.Vision and Mission are Displayed in Student WhatsApp Groups

6)Department Gmail Signature

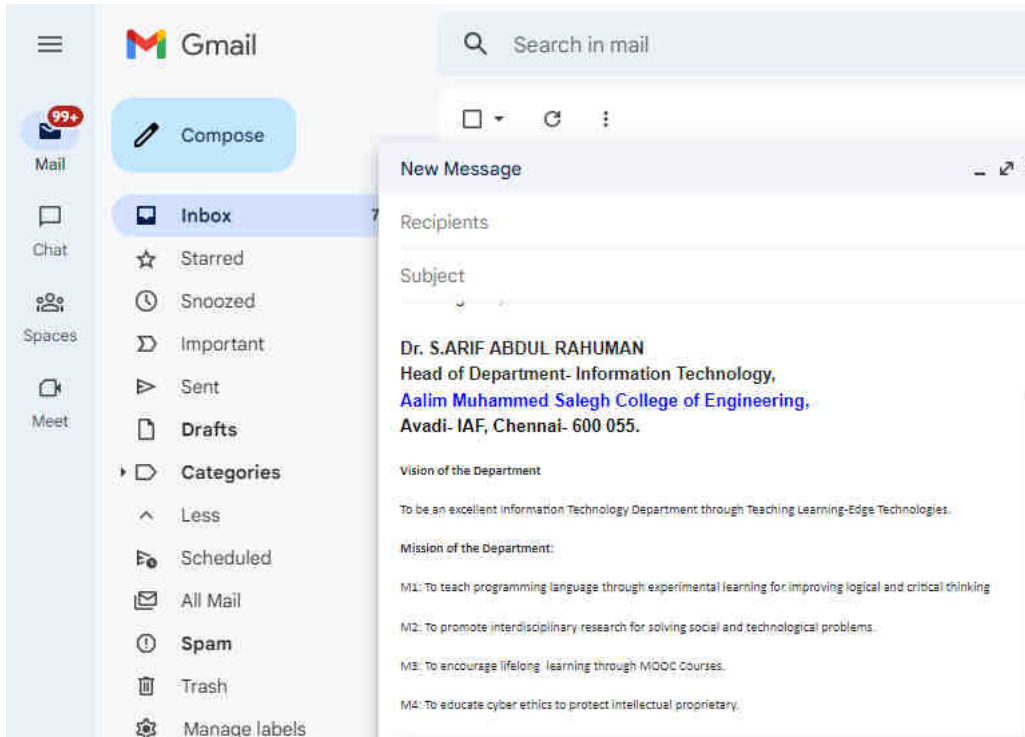


Figure 1.6.Vision and Mission are Displayed in Department Gmail Signature

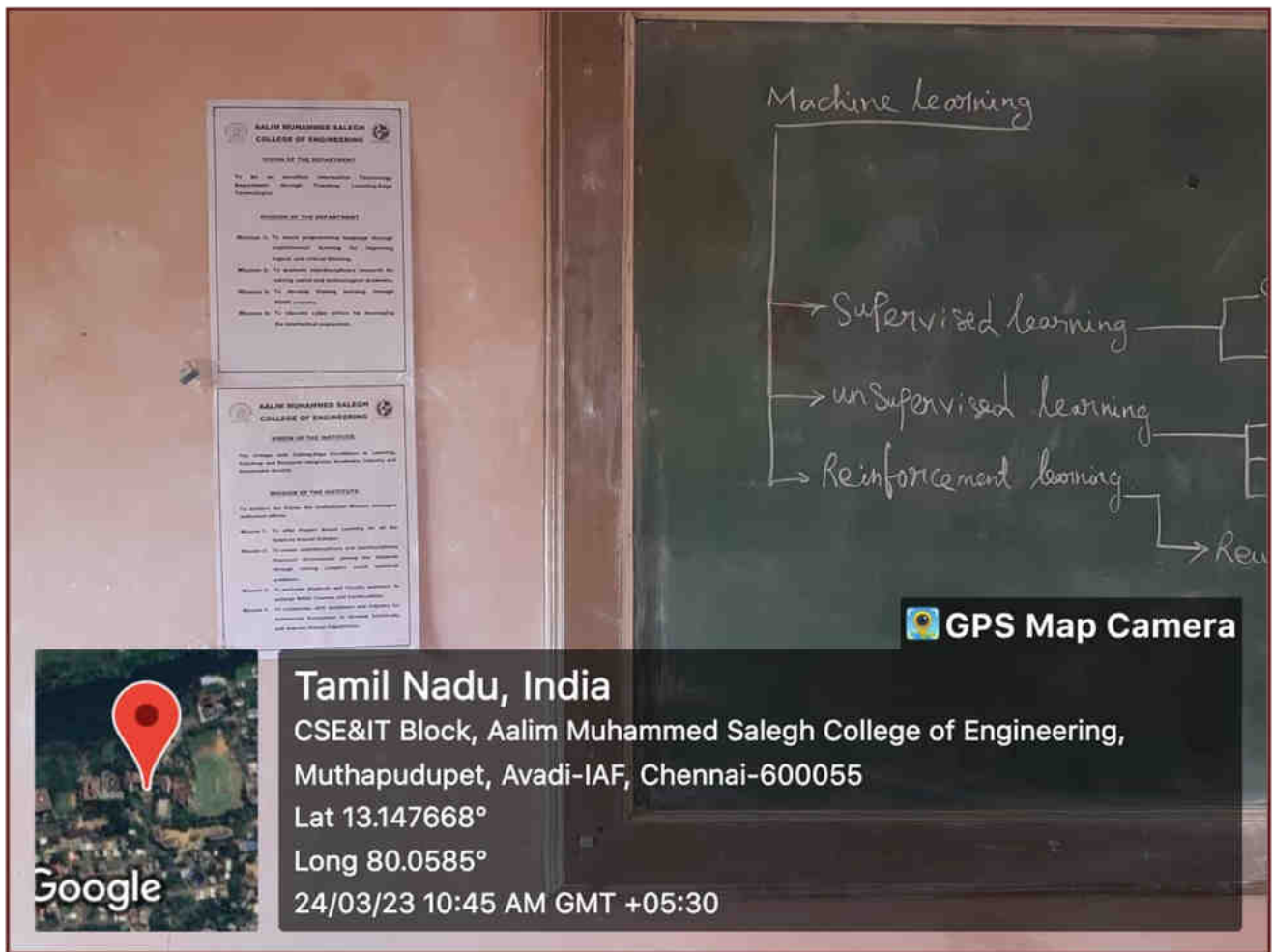


Figure 1.7.Ind Year Class Room

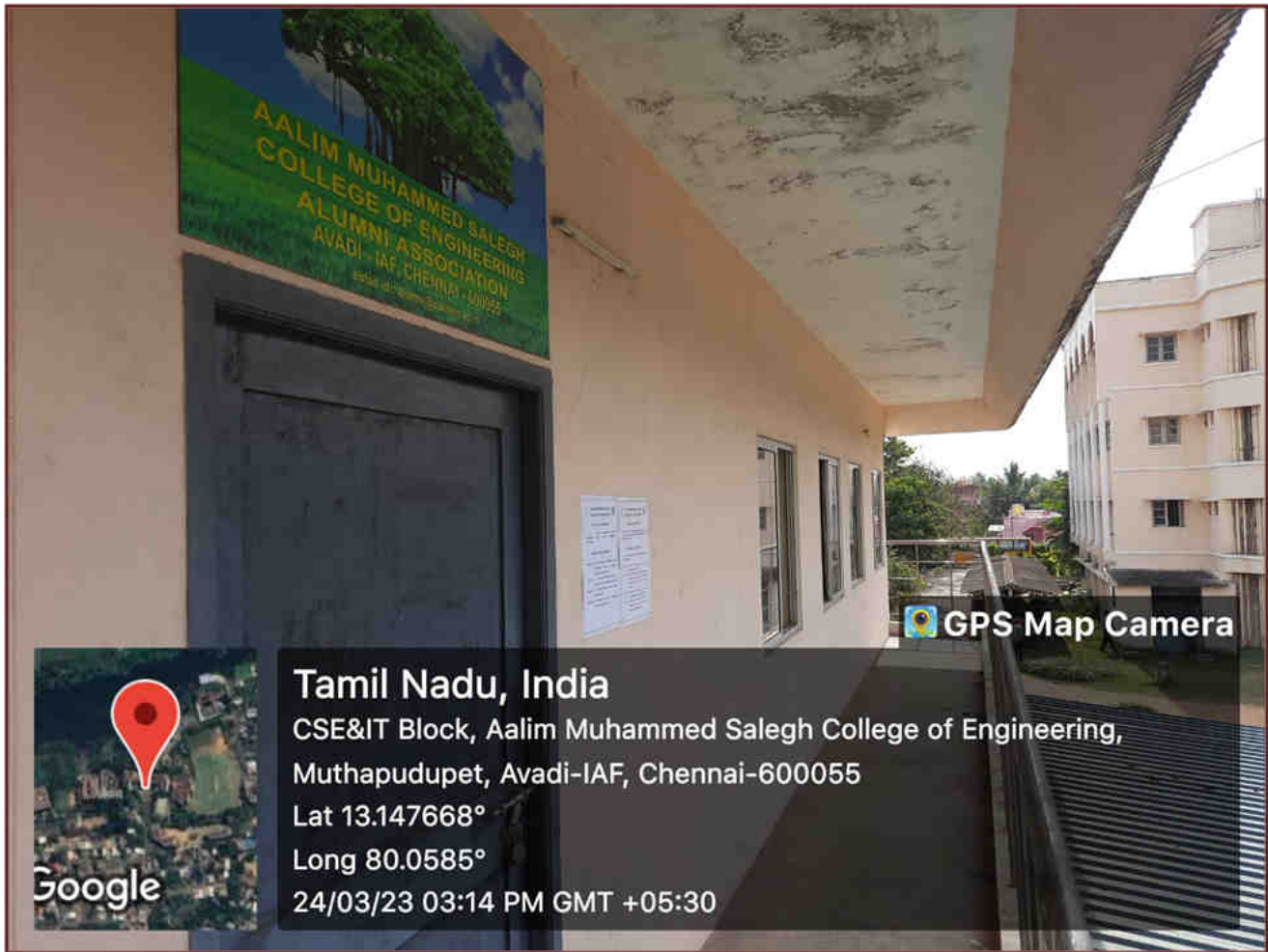


Figure 1.8.Alumni Hall

#### B.PROCESS OF DISSEMINATION AMONG STAKEHOLDERS

1. Stated at the beginning of department advisory meeting
2. Department Faculty Meeting
3. Workshops/ Seminars/ FDPs organized
4. Orientation Day meetings
5. Parent Teacher Meetings
6. First Year Induction Program-Orientation Program
7. Alumni Meetings-Annual
8. Meetings with Industry Stake Partners
9. Guest Lectures organized by Department

#### C. EXTENT OF AWARENESS OF VISION, MISSION & PEOs AMONG THE STAKEHOLDER

The Vision, Mission, PEOs and PSOs of the Department are disseminated to the Stakeholders through Faculty meetings, Orientation day meetings, Parent teacher meetings, Alumni meetings and Interaction with Industry persons.

1.4 State the process for defining the Vision and Mission of the Department, and PEOs of the program (25)

Total Marks 25.00





### A. DESCRIPTION OF PROCESS INVOLVED IN DEFINING THE VISION, MISSION OF THE DEPARTMENT

The Department Advisory Committee (DAC) establishes Vision and Mission of the Department. The committee pursues with the following activities to establish the Vision and Mission

1. The Strength, Weakness, Opportunity and Challenges (SWOC) analysis are performed.
2. The Vision and Mission of the Institution are considered.
3. Suggestions from the Management, Principal, Faculty Members and recommendations from the Recruiters, Academicians and Industrial Experts are collected and then scrutinized.
4. Opinion from the Students are also collected and reviewed.

Vision & Mission of the department is drafted and verified with the Vision and Mission of the Institution. The Vision and Mission of the department get approved by the IQAC. The Vision and Mission are further published and disseminated among the stakeholders.

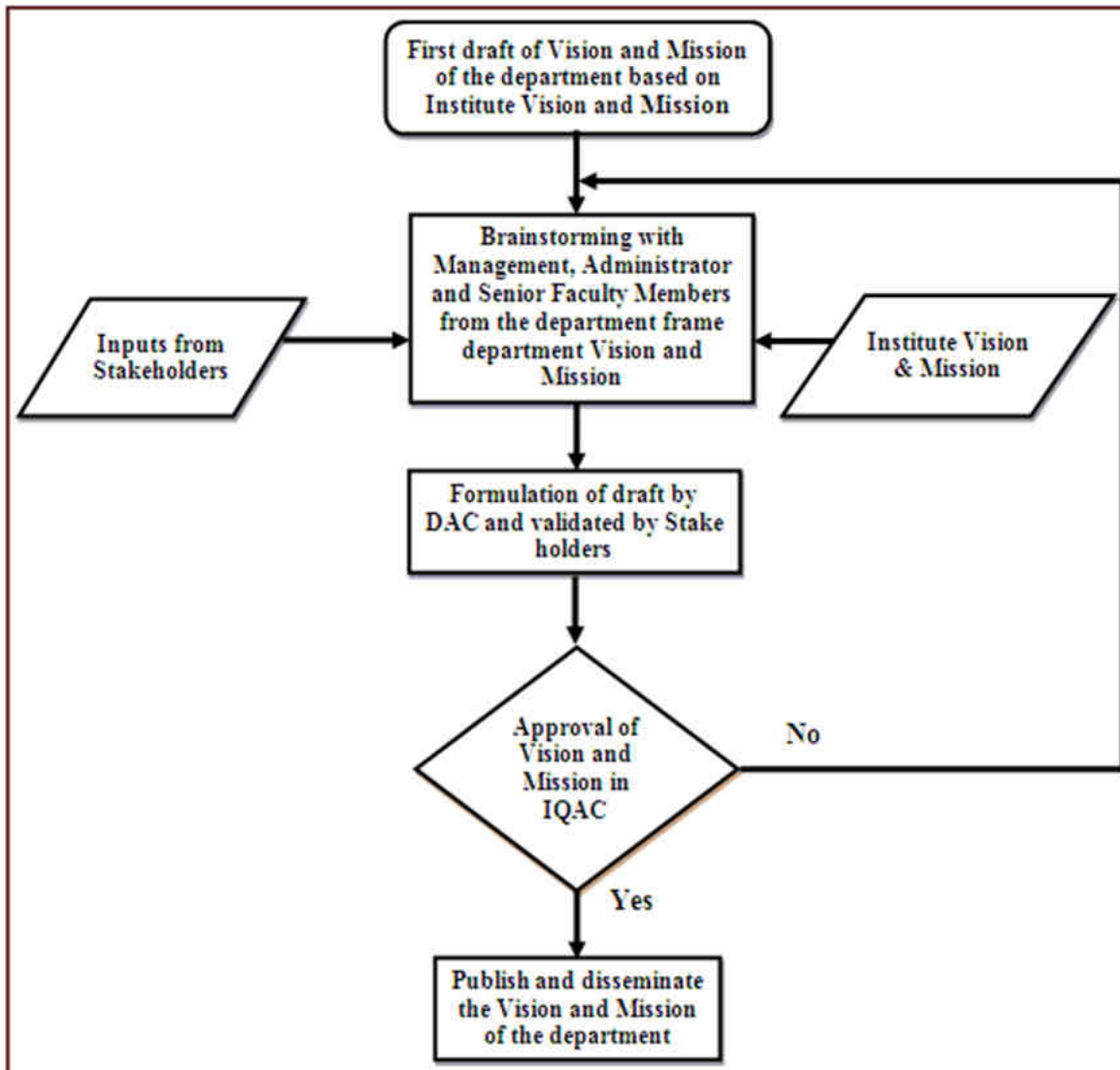


Figure 1.9. Process involved in Defining the Vision and Mission of the Department

### B. DESCRIPTION OF PROCESS INVOLVED IN DEFINING THE PEOs OF THE PROGRAM

Program Educational Objectives (PEO) will be defined while taking into consideration the Department Vision and Mission, Institute Vision and Mission, Program curriculum, and faculty member suggestions. The Drafted PEOs are discussed in the Department meeting and submitted to Department Advisory Committee for approval. The DAC will examine the proposals by getting the feedbacks from the internal and external stake holders and draft the final Statements, which were then submitted to the academic council for approval. The DAC in turn submit the proposal to IQAC for approval. Subsequently the PEOs will be published and disseminated.

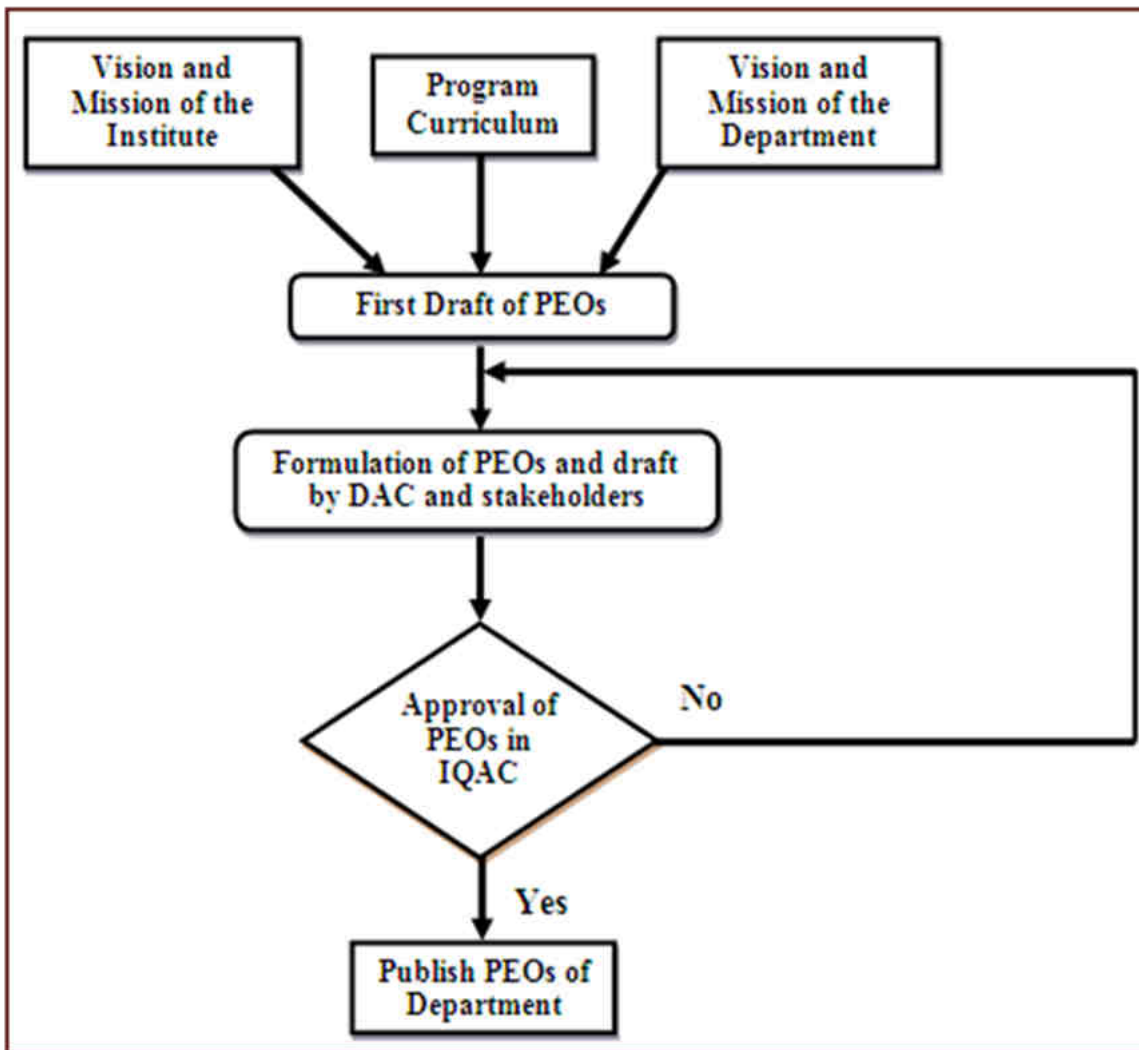


Figure 2.0.Process Involved in Defining the PEOs of the Program

1.5 Establish consistency of PEOs with Mission of the Department (15)

Total Marks 15.00



### A. PREPERATION OF A MATRIX OF PEOs AND ELEMENTS OF MISSION STATEMENT

**MISSION - 1 : To Teach programming language through experimental learning for improving logical and critical thinking.**

**MISSION - 2 : To promote Interdisciplinary research for solving social and technological problems.**

**MISSION - 3 : To encourage Lifelong learning through MOOC Courses.**

**MISSION - 4 : To educate cyber ethics to protect intellectual proprietary.**

Table 1.1.Consistency of PEOs with Mission of the Department

PEO STATEMENTS	MISSION - 1	MISSION - 2	MISSION - 3	MISSION - 4
<b>PEO-1: To ensure Graduates to be proficient in utilizing the fundamental knowledge of basic sciences, mathematics and Information Technology for the applications relevant to various streams of Engineering and Technology.</b>	3	3	2	2
<b>PEO-2: To enrich Graduates with the core competencies necessary for applying knowledge of computers and telecommunications equipment to store retrieve, transmit, manipulate and analyze data in the context of business enterprise.</b>	3	3	2	2
<b>PEO-3: To enable Graduates on logical thinking, pursue lifelong learning and to have the capacity in understanding technical issues related to computing systems and optimal design solutions.</b>	2	2	3	2
<b>PEO-4: To enable Graduates in gaining employment in industry and stabilize themselves as competent professional in applying their technical skills in real time problems and meet the diversified needs of industry, academia and research.</b>	3	3	2	2

**Note:** M1, M2, M3 and M4, are distinct elements of Mission statement

The Correlation levels are :

1: Slight (Satisfactory)      2: Moderate (Medium)      3: Strong (High)

### B. Consistency / Justification of Co-Relation Parameters of the above matrix

Table:1.2.Consistency of Co-Relation Parameters

PEO	MISSION	JUSTIFICATION OF MATRIX
<b>PEO1</b>	M1	Strongly correlates the fundamental knowledge of Information Technology techniques for solving logical and critical problems.
	M2	Strongly correlates various streams of engineering and technology applications by solving the socio-technological problems.
	M3	Moderately correlates new developments in Information management and provide all possible support to promote lifelong learning
	M4	Moderately correlates fundamentals of information technology by promoting cyber ethics for various technologies.
<b>PEO2</b>	M1	Strongly correlates experimental learning by applying the information management process.
	M2	Strongly correlates by solving the problems with the management of information..
	M3	Moderately correlates by providing quality education to attain professional knowledge.
	M4	Moderately correlates to inculcate ethical and professional values to face challenges as Engineers

<b>PEO3</b>	M1	Moderately correlate by providing training about modern software tools.
	M2	Moderately correlates by providing guidance for students to survive up with social context.
	M3	Strongly correlates to solve technical issues by training in cutting edge technologies.
	M4	Moderately correlates by adding capacity to understand ethical issues related to computing systems and to design optimal solutions to face challenges.
<b>PEO4</b>	M1	Strongly correlates by focusing on skills required to solve critical and logical problems.
	M2	Strongly correlates by to enable future IT professionals applying their technical skills to solve real world problems.
	M3	Moderately correlates by supporting all Stakeholders to promote lifelong learning needs of industry.
	M4	Moderately correlates by making students socially and ethically skillful technological experts.

# Study with us

## Your offer

Dear Saba Zehra

We are delighted to have made you an offer, to study at the University of Hertfordshire. Our offer is subject to the terms set out below and the other documents sent with this offer.

**Your details**

Full name                      Saba Zehra Syed  
University ID number        21080999

**Your course**

The details of the course on which we are offering you a place are set out below; please check them carefully and let us know immediately if you believe there is anything wrong. You can do this by replying to our email quoting the University ID number (21080999).

Course title                    MSc (SW) Data Science and Analytics with Sandwich Placement  
Course code                    CMCSM  
Point of entry                 Year 1  
Mode of study                 Full time  
Place of study                 UH Hatfield Campus  
Start date                      September 2022  
Length of course              2 Years

We will advise you of your precise start date nearer the time

*[Signature]*  
17/8/22  
HEAD  
Information Technology  
Aalim Muhammed Salegh  
College of Engineering

*[Signature]*  
17/8/2022  
PRINCIPAL  
AALIM MUHAMMED SALEGH  
COLLEGE OF ENGINEERING

Figure 2.1.Proof of Higher Studies

PEO Statements	M1	M2	M3	M4
To ensure Graduates to be proficient in utilizing the fundamental knowledge of basic Sciences, Mathematics and Information Technology for the application relevant to various streams of Engineering and Technology	3	3	2	2
To enrich Graduates with the core competencies necessary for applying knowledge of Computers and Telecommunications equipment to store, retrieve, transmit, manipulate and analyze data in the context of business enterprise	3	3	2	2
To enable Graduates on logical thinking, pursue lifelong learning and to have the capacity in understanding technical issues related to computing systems and optimal design solutions.	2	2	3	2
To enable Graduates in gaining employment in industry and stabilize themselves as competent professional in applying their technical skills in real time problems and meet the diversified needs of industry, academia and research.	3	3	2	2

## 2 PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (120)

Total Marks 120.00

### 2.1 Program Curriculum (20)

Total Marks 20.00



**2.1.1 State the process used to identify extent of compliance of the University curriculum for attaining the Program Outcomes and Program Specific Outcomes as mentioned in Annexure I. Also mention the identified curricular gaps, if any (10)**

Institute Marks : 10.00

**A. PROCESS USED TO IDENTIFY EXTENT OF COMPLIANCE OF UNIVERSITY CURRICULUM FOR ATTAINING POs & PSOs**

**The process used to identify the extent of compliance of the University curriculum for attainment of POs & PSOs is as follows**

1. The Course Incharge with the help of faculty members will evaluate the Course Outcomes (COs) and map them to the Program Outcomes (POs) and the Program Specific Outcomes (PSOs).
2. Using the above mapping of the Course Outcomes, the individual courses in the curriculum are mapped to the POs and PSOs.
3. The average percentage of mapping of the POs and PSOs to the individual courses in the curriculum are calculated and approved by Department Advisory Committee (DAC) consists of HOD, two faculty members and course incharge.
4. If the average percentage of mapping for any POs or PSOs are less than 50%, then attainment may be considered as weekly mapped.

$$\text{PO Attainment} = \frac{\sum(\text{level of mapping of PO} - \text{CO} * \text{CO attainment})}{\sum(\text{level of mapping of PO} - \text{CO})}$$

$$\sum(\text{level of mapping of PO} - \text{CO})$$

$$\text{PSO1 Attainment} = \frac{\sum(\text{level of mapping of PSO} - \text{CO} * \text{CO attainment})}{\sum(\text{level of mapping of PSO} - \text{CO})}$$

$$\sum(\text{level of mapping of PSO} - \text{CO})$$

**The process involved in identifying the curriculum gap is as follows**

The prescribed curriculum of affiliated Anna University consists of courses and content relevant to the program. The course outcomes of the individual subjects are stated by the course incharge and course coordinator. The curriculum gaps are identified by the certain low level mapped POs, PSOs with Anna University curriculum and external inputs from the faculty members, alumni, Industry and Academia experts. The identified gaps and methods to fill the gaps are finalized and forwarded to the Department Advisory Committee (DAC) for the approval. After approval of the Department Advisory Committee, the content beyond the syllabus and curriculum gaps are delivered to the students by introducing Workshop, Seminar/Webinar, Guest Lecture, NPTEL. The course outcomes of the individual subjects are mapped with the defined program outcomes and program specific outcomes by the course in charge.

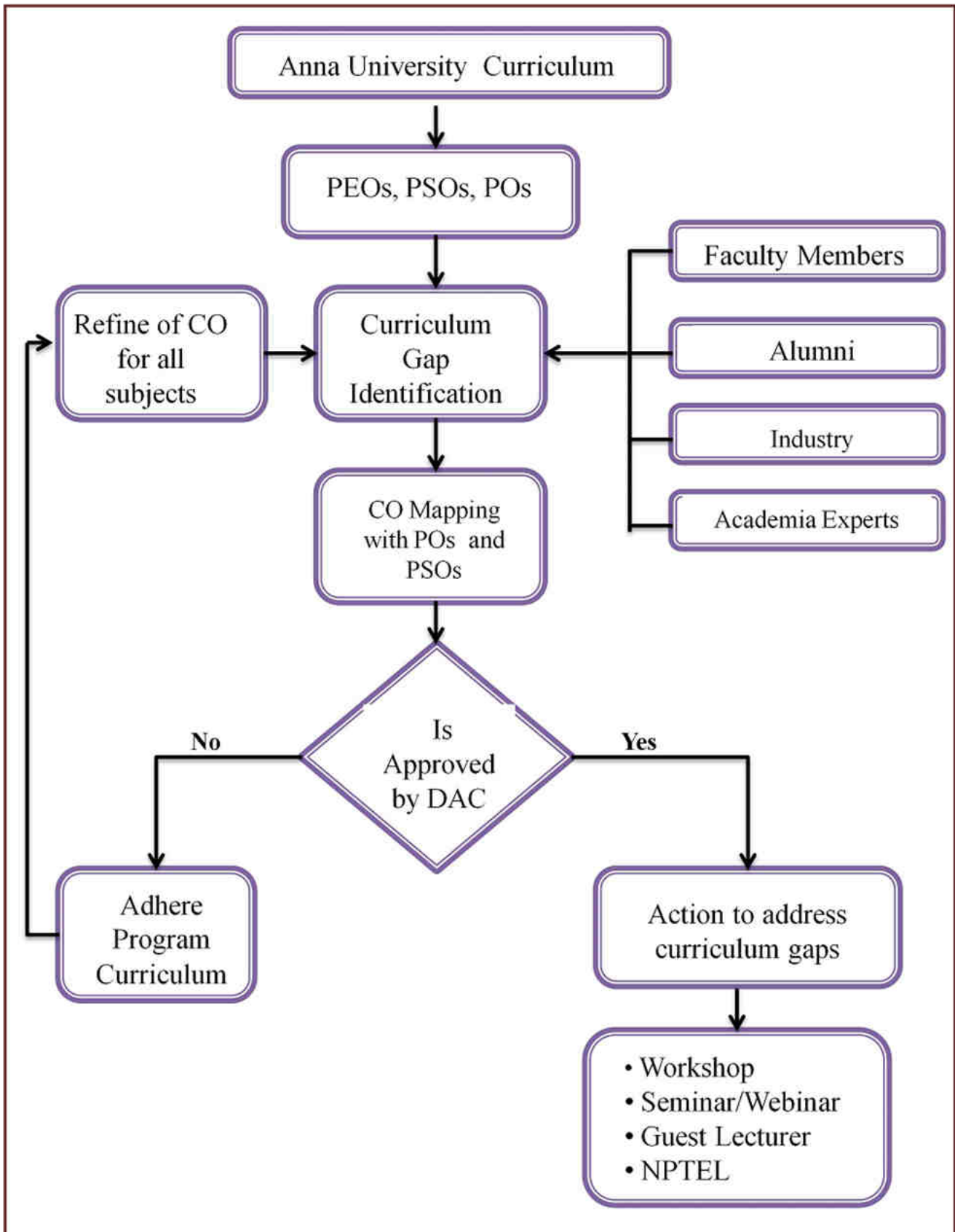


Figure 2.1. Flow Chart for Identifying Curriculum Gap Analysis

**PROGRAM EDUCATIONAL OBJECTIVES (PEOs)**

PEOs	Program Educational Objectives(PEOs)
PEO1	To ensure Graduates proficient in utilizing the fundamental knowledge of Basic Sciences, Mathematics and Information Technology for the application relevant to various streams of Engineering and Technology.
PEO2	To enrich Graduates with the core competencies necessary for applying knowledge of computers and telecommunications equipment to store, retrieve,transmit, manipulate and analyze data in the context of business enterprise.
PEO3	To enable Graduates on logical thinking, pursue lifelong learning and also to have the capacity of understanding technical issues and optimal design solutions.

<b>PEO4</b>	To enable Graduates in gaining employment in industry and stabilize themselves as competent professional in applying their technical skills in real time problems and meet the diversified needs of industry, academia and research.
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**PROGRAM OUTCOMES (POs)**

<b>POs</b>	<b>Program Outcomes(POs)</b>
<b>PO1</b>	<b>Engineering knowledge:</b> Apply the knowledge of Mathematics, Science, Engineering Fundamentals, and an Engineering specialization to the solution of Complex Engineering problems.
<b>PO2</b>	<b>Problem analysis:</b> Identify, formulate, review research literature, and analyze Complex Engineering problems reaching substantiated conclusions using first principles of Mathematics, Natural Sciences, and Engineering Sciences.
<b>PO3</b>	<b>Design/development of solutions:</b> Design solutions for complex Engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety and the Cultural, Societal, and Environmental considerations.
<b>PO4</b>	<b>Conduct investigations of complex problems:</b> Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and Synthesis of the information to provide valid conclusions.
<b>PO5</b>	<b>Modern tool usage:</b> Create, Select, and Apply appropriate techniques, resources, and modern Engineering and IT tools including prediction and modeling to Complex Engineering activities with an understanding of the limitations.
<b>PO6</b>	<b>The Engineer and Society:</b> Apply reasoning informed by the contextual knowledge to assess Societal, Health, Safety, Legal and Cultural issues, and the consequent responsibilities relevant to the professional Engineering practice.
<b>PO7</b>	<b>Environment and Sustainability:</b> Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
<b>PO8</b>	<b>Ethics:</b> Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
<b>PO9</b>	<b>Individual and team work:</b> Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
<b>PO10</b>	<b>Communication:</b> Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make Effective presentations, and give and receive clear instructions.
<b>PO11</b>	<b>Project management and finance:</b> Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
<b>PO12</b>	<b>Life-long learning:</b> Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

**PROGRAM SPECIFIC OBJECTIVES(PSOs)**

<b>PSOs</b>	<b>Program Specific Objectives(PSOs)</b>
<b>PSO1</b>	To adapt emerging Information and Communication Technologies in order to come up with new ideas and solutions for existing and new challenges.
<b>PSO2</b>	To create software systems, components, or processes that meet specific requirements with financial, environmental, and societal constraints.

The mapping of POs and PSOs to individual courses in the curriculum is shown in the table below:

**Table 2.1. Mapping of courses in the R2021 curriculum with POs& PSOs - SEMESTER-I**

S.No	COURSE TITLE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	Professional English-I HS3151										2.54		0.85	1.23	0.98
2	Matrices And Calculus MA3151	2.44	2.44	1.95	2.28	0.00	1.09						1.47	2.78	1.86
3	Engineering Physics PH3151	2.52	2.18	1.68		2.02	1.68	0.84			0.84		1.68	1.77	0.88
4	Engineering Chemistry CY3151	0.83	0.83	1.25	0.83	0.83	0.83	0.83	0.83				0.83	0.94	0.94
5	Problem Solving And Python Programming GE3151	2.54	1.86	1.69	0.85	1.02					0.85		0.85	2.43	2.81
6	Physics And Chemistry Laboratory BS3171	1.33	1.66	1.33	1.33	1.33	1.83	1.00	0.83	1.33	1.11	0.83	1.66	1.25	1.33
7	Problem Solving And Python Programming Laboratory GE3171	1.33	1.66	1.33	1.33	1.33	1.83	1.00	0.83	1.33	1.11	0.83	1.66	1.25	1.33

Table 2.2. Mapping of courses in the R2021 curriculum with POs&amp; PSOs- SEMESTER- II

S.No	COURSE TITLE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
8	Professional English-II HS3251								0.97	1.21	2.91		1.17	0.97	0.97
9	Statistics And Numerical Methods MA3251	2.55	2.55		2.37		0.91	1.52					2.18	1.37	1.37
10	Physics For InformationScience PH3256	1.34	1.01	1.68	1.18	0.84	0.84	0.84		0.84	1.34	0.84	1.68	1.18	0.84
11	Engineering Graphics GE3251	1.23	1.84	1.69	1.92	1.34	1.54	0.77				0.77	1.15	1.38	1.54
12	Basic Electrical And Electronics Engineering BE3251	0.85	2.13	1.53	1.36	2.04	0.85	1.36	0.85	1.87	0.85	1.36	1.53	1.7	1.7
13	Programming In C CS3251	2.35	2.35	2.35	0	2.35	0	0	0	0	0	0.78	2.35	2.35	2.35
14	Engineering Practices Laboratory GE3271	2.84	2.84	2.84	2.84	2.09	2.84	1.71	0.95	2.84	2.84	0.95	2.84	1.9	1.71
15	Programming In C Laboratory CS3271	2.9	2.9	2.9	0	2.9	0	0	0	0.97	1.93	0.97	2.9	2.9	2.9

## CO- PO Mapping for 2017 Curriculum

Table 2.3. Mapping of courses in the R2017 curriculum with POs&amp; PSOs - SEMESTER I

S.No	COURSE TITLE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	Communicative English HS8151								1	1	3		2		

2	Engineering Mathematics I MA8151	3	2		3	2					2	3	3	2	
3	Engineering Physics PH8151	1	1	2	2	1	1	2		1	1	1	2	1	1
4	Engineering Chemistry CY8151	2	2				1	2		2			2	2	2
5	Problem Solving and Python Programming GE8151	3	3	3	1	1								3	3
6	Engineering Graphics GE8152	3	3	2	1	3	2			1			3	3	3
7	Problem Solving and Python Programming Laboratory GE8161	3	3	3	3	3	1	1		2	2	2	3	3	3
8	Physics and Chemistry Laboratory BS8161	2	1	1	1	2	1	1		1	1	2	1	2	1

Table 2.4. Mapping of courses in the R2017 curriculum with POs &amp; PSOs - SEMESTER –II

S.No	COURSE TITLE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
9	Technical English HS8251								1	1	3		1		
10	Engineering Mathematics II MA8251	3	3		3		1	2						3	3
11	Physics for Information Science PH8252	2	1	2	1	1	1	1		1	2	1	2	2	1
12	Basic Electrical Electronics and Measurement Engineering BE8255	2	2	2	3	2	2	1				1	2	2	2
13	Information Technology Essentials IT8201	1	1	1	2	2	2	1	1			1	2	1	1
14	Programming in C CS8251	3	3	3		1							2	3	3
15	Engineering Practices Laboratory GE8261	3	3	3	3	2	3	2	1	3	3	1	3	3	3
16	C Programming Laboratory CS8261	3	3	3	3			1			1	3		3	3
17	Information Technology Essentials Laboratory IT 8211	0.97	2.42	1.74	1.55	2.33	0.97	1.55	0.97	2.13	0.97	1.55	1.74	1.94	2.13

Table 2.5. Mapping of courses in the R2017 curriculum with POs &amp; PSOs - SEMESTER –III

S.No	COURSE TITLE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
18	DiscreteMathematics MA8351	2.6	2.6	2.4	1							1	1	2.6	2.6
19	Digital Principles and System Design CS8351	2.8	2.8	2.6	1						1		1	2.8	2.8
20	Data Structures CS8391	2.6	2.8	3	1	2.4						1		2.6	2.8
21	Object Oriented Programming CS8392	2	1.8	2.4	1	3						1		2	1.8
22	Analog and Digital Communication EC8394	2.8	2.6	2		1					1.5			2.8	2.6
23	Data Structures Laboratory CS8381	3	2.6	2.8		2.2								3	2.6
24	Object Oriented Programming Laboratory CS8383	3	2	2.6	1.4	3								3	2
25	Digital Systems Laboratory CS8382	3	2.6	2.6		2								3	2.6
26	InterpersonalSkills/Listening & Speaking HS8381	2	1.8	2.4	1	3						1		2	1.8

Table 2.6. Mapping of courses in the R2017 curriculum with POs&amp; PSOs - SEMESTER –IV

S.No	COURSE TITLE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
27	Probability and Statistics MA8391	2.3	2.3	2.14	2.3	1.53	1.84	0.77		2.14	0.77	2.3	2.3		1.53
28	Computer Architecture CS8491	1.97	1.08	1.08										1.79	1.79
29	Database Management Systems CS8492	1.71	0.93	0.93										1.56	1.71
30	Design and Analysis of Algorithms CS8451	1.75	0.96	0.96										1.6	1.6
31	Operating Systems CS8493	2.61	2.61	1.74								0.87	0.87	1.74	1.91
32	Environmental Science and Engineering GE8291	0.91	1.22	1.22	1.52	1.83	1.6		0.91		1.22	0.91	2.19	2.74	2.74
33	Database Management Systems Laboratory CS8481	2.92	1.95	2.53		2.14								1.75	1.75
34	Operating Systems Laboratory CS8461	2.92	1.95	1.95										2.92	1.95
35	Advanced Reading and Writing HS8461									2.53	2.53	0.97		0.97	0.97

Table 2.7. Mapping of courses in the R2017 curriculum with POs&amp; PSOs - SEMESTER – V

S.No	COURSE TITLE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
36	Algebra and Number Theory MA8551	2.19	2.19	2.19	2.04	1.75	1.02					1.31	1.75	1.22	
37	Computer Networks CS8591	2.53	1.68	1.52								0.84	0.84	1.26	1.68
38	Microprocessors and Microcontrollers EC8691	1.56	1.56	1.56	1.25	1.25	0.78	0.78		0.78	1.25		0.94	1.56	1.56
39	Web Technology IT8501	1.48	1.48	0.89		1.19								0.74	1.48
40	Software Engineering CS8494	2.2	0.79	1.26							1.89			1.18	1.57
41	Open Elective – I : Basic of Biomedical Instrumentation OMD551	2.76	2.76	2.76	2.76	2.76	2.76						2.76	1.84	
42	Microprocessors and Microcontrollers Laboratory EC8681	2.15	2.74	1.95	2.54	2.15	1.56	1.56			2.74	1.17	2.74	2.15	2.15
43	Networks Laboratory CS8581	2.74	1.76	1.76		1.76								1.95	0.98
44	Web Technology Laboratory IT8511	1.47	1.3	1.17		1.76								1.37	1.17

Table 2.8. Mapping of courses in the R2017 curriculum with POs&amp; PSOs - SEMESTER –VI

S.No	COURSE TITLE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
45	Computational Intelligence IT8601	2.15	2.15	2.73	2.2	1.95	1.76	1.46	2.28	1.37	1.95	1.71	2.34	1.37	1.17
46	Object Oriented Analysis and Design CS8592	2.93	2.93	2.93	1.95	2.93	0.98		0.98	1.17	0.98	1.37	1.95	0.98	1.95
47	Mobile Communication IT8602	1.95	1.76	2.34	1.17	1.46	1.63				0.98	1.63	1.56	2.73	0.98
48	Big Data Analytics CS8091	2.93	2.93	2.93	2.93	0.98	1.95		0.98			0.98	0.98	1.95	1.22
49	Computer Graphics and Multimedia CS8092	2.93	1.95	2.93	0.98	1.95	0.98		0.98	1.17	0.98	0.98	0.98	0.98	1.95
50	Professional Elective– I Software Testing IT8076	1.95	1.95	0.98	2.93	1.95	0.98		0.98	1.95	0.98	0.98	1.95	1.3	1.3
51	Mobile Application Development Laboratory CS8662	0.98	2.28	2.93	2.6	1.95	0.98							1.56	1.76



52	Object Oriented Analysis and Design Laboratory CS8582	0.98	2.28	2.68	2.6	1.95	0.98				1.95	0.98			1.63	2.2
53	Mini Project IT8611	2.54	2.73	2.54	2.68	1.95	1.95	1.95	1.46	2.6	1.95	2.93	1.56	1.56	1.76	
54	Professional Communication HS8581						0.98			1.95	2.93		1.95	1.46	1.3	

Table 2.9. Mapping of courses in the R2017 curriculum with POs &amp; PSOs - SEMESTER – VII

S.No	COURSE TITLE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
55	Principles of Management MG8591								1.74	1.74	2.71	2.71	1.93	1.21	1.93
56	Cryptography and Network Security CS8792	2.52	2.52	2.52	1.55		1.74							0.97	1.45
57	Cloud Computing CS8791	1.94	2.91	2.91	1.94		1.94								0.97
58	Open Elective II: Supply Chain Management OME752	2.12	1.93	1.74	2.12		1.93				1.74		0.96	1.21	1.45
59	Professional Elective II: Software Project Management IT8075	1.74	1.55	1.74						2.52	2.52	2.71		1.45	1.21
60	Professional Elective III: Human Computer Interaction CS8079	2.71	2.91	2.71	1.74		2.52							1.45	0.97
61	FOSS and Cloud Computing Laboratory IT8711	1.9	2.1	2.67	1.71	2.48	1.9							1.9	2.1
62	Security Laboratory IT8761	2.38	2.56	2.38	1.65		2.56							1.65	1.46

Table 2.10. Mapping of courses in the R2017 curriculum with POs &amp; PSOs - SEMESTER – VIII

S.No	COURSE TITLE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
63	Professional Elective IV: Professional Ethics in Engineering GE8076						1.94	1.61	2.91	1.94	1.29	0	2.18		
64	Professional Elective V: Information Retrieval Techniques CS8080	2.92	2.53	2.53	0.97								0.97	1.95	2.53

65	Project Work IT8811	2.53	2.73	2.53	2.68	1.95	1.95	1.95	1.46	2.6	1.95	2.92	1.56	1.56	1.75
<b>No. of Courses to Which Mapped</b>		<b>58</b>	<b>58</b>	<b>54</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>17</b>	<b>15</b>	<b>26</b>	<b>33</b>	<b>36</b>	<b>45</b>	<b>62</b>	<b>61</b>
<b>No. of Courses in the Curriculum</b>		<b>65</b>	<b>65</b>	<b>65</b>	<b>65</b>	<b>65</b>	<b>65</b>	<b>65</b>	<b>65</b>	<b>65</b>	<b>65</b>	<b>65</b>	<b>65</b>	<b>65</b>	<b>65</b>
<b>% Of Course Coverage</b>		<b>89.23</b>	<b>89.23</b>	<b>83.08</b>	<b>58.46</b>	<b>58.46</b>	<b>58.46</b>	<b>26.15</b>	<b>23.08</b>	<b>40</b>	<b>50.77</b>	<b>55.38</b>	<b>69.23</b>	<b>95.38</b>	<b>93.85</b>

#### B. LIST THE CURRICULAR GAPS FOR THE ATTAINMENT OF DEFINED POs & PSOs

The steps involved in identifying the curriculum gap are as follows :

**Step 1:** The prescribed curriculum of affiliated Anna University consists of courses and content relevant to the program. The course outcomes of the individual subjects are stated by the course incharge.

**Step 2:** The curriculum gaps are identified by the certain low level mapped POs, PSOs with Anna University curriculum and external inputs from the faculty members, alumni, Industry and Academia

experts.

**Step 3:** The identified gaps and methods to fill the gaps are finalized and forwarded to the Department Advisory Committee for the approval.

**Step 4:** After approval of the Department Advisory Committee, the content beyond the syllabus and curriculum gaps are delivered to the students by introducing Value Added Courses, Industrial Visit,

Workshop and Guest Lectures.

**Table 2.11. List of curricular gaps identified through the help of Mapping process**

S.No	Program Outcomes		Percentage (%)
1	PO7	<b>Environment and sustainability:</b> Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable Development.	26.15
2	PO8	<b>Ethics:</b> Apply ethical principles and commit to professional ethics and Responsibilities and norms of the engineering practice.	23.08
3	PO9	<b>Individual and team work:</b> Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	40

2.1.2 State the delivery details of the content beyond the syllabus for the attainment of POs and PSOs (10)

Institute Marks : 10.00

### A. STEPS TAKEN TO GET IDENTIFIED GAPS INCLUDED IN THE CURRICULUM (E.G. LETTER TO UNIVERSITY)

The feedback is taken from the alumni, academicians, industry experts and existing students using survey questionnaires prepared by the DAC and analysed. The propositions are given to the DAC to improve and refine the Teaching –Learning Process in order to have better achievement levels of POs. The feedback from all these surveys is first submitted to the DAC. The DAC then identifies the gaps in the curriculum.

The Curriculum Gap identification process is illustrated below:

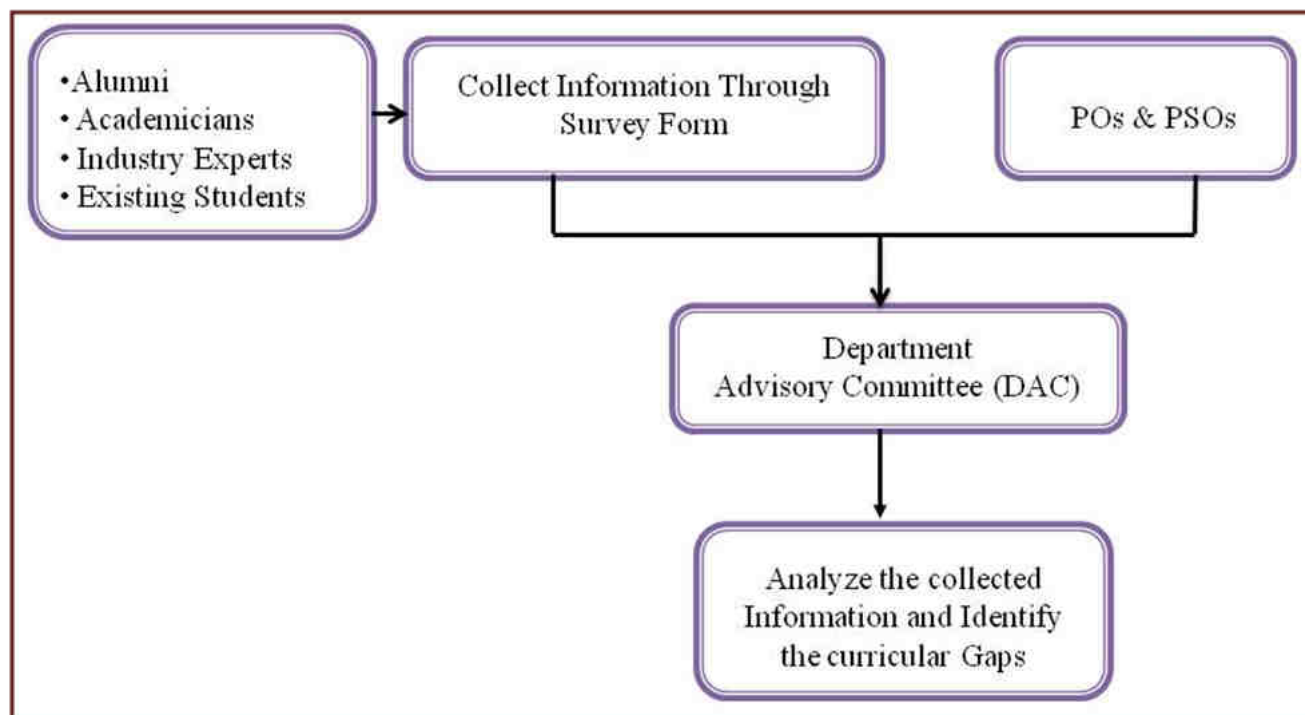


Figure 2.2. Curriculum Gap Identification Process

### B. DELIVERY DETAILS OF CONTENT BEYOND SYLLABUS

Apart from the Curriculum content, the students are imparted with necessary skills and knowledge in the following ways aimed at achieving POs and PSOs.

Table 2.12. Delivery Details of Content Beyond Syllabus

Delivery of Content Beyond Syllabus	Justification
<b>Additional Laboratory Experiments</b>	Content beyond Syllabus are introduced and practiced by the students.
<b>Workshops/ Seminars / Guest Lectures</b>	Various workshops, seminars, Expert talks by Academicians / Industrialists on different technologies are organized to gain Knowledge and the attainment of POs and PSOs.
<b>Industrial Visits</b>	Visit to the large or small scale industries are organized for the students.
<b>Internships</b>	Software development cell provides in-house internship for the students to work on real time projects, need based projects.
<b>NPTEL Courses</b>	Students are encouraged to undergo the NPTEL courses for enhancement of cross skill knowledge.

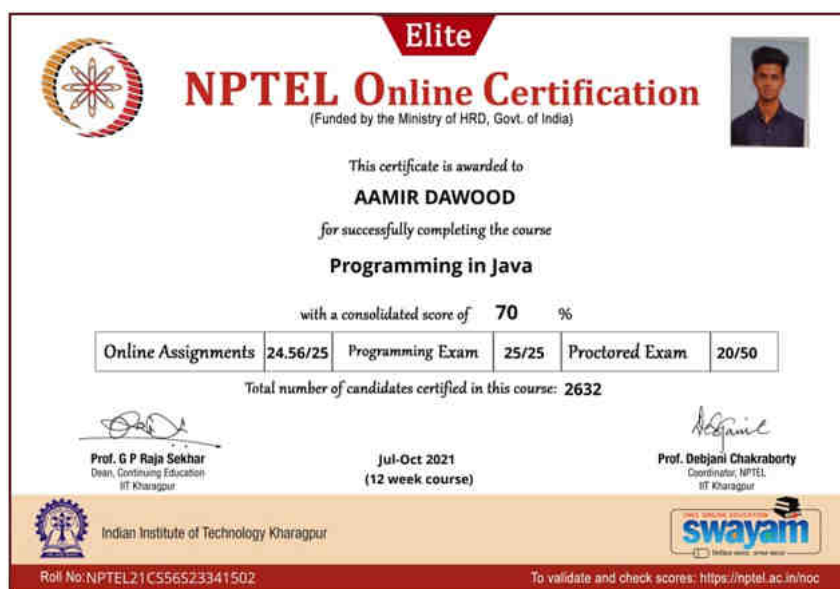


Figure 2.3. Proof for NPTEL Online Course Completed Certificate by Student for CAYm2(2020-2021)

## C. MAPPING OF CONTENT BEYOND SYLLABUS WITH THE POs &amp; PSOs

Table 2.13. Content beyond Syllabus for CAYm1(2021 - 2022)

S.No	Course Name	Gap identified	Seminars/ Workshops/ Value added Courses	No. of hours	Date	Resource person with designation	Year / Semester / % of Students participated	Relevance to POs and PSOs
1	Big Data Analytics	Secret to Success and Technology Trends in BIG DATA	Guest lecture	3	22.09.2021	Mr.Aarif Mohamed Hussain,Associate Director, CTS, Chennai	III Year / VI Semester / 95	PO5,PO6,PO9,PO10,PO12
2	Principles of Management	IT in Management control	Workshop	6	08.09.2021	Er. Habib Mohammed, Team Lead, Barclays International Bank, Chennai.	IV Year / VII Semester / 92	PO2,PO4, PO9
3	OOP with Java	Programming in Java	NPTEL	24	05.10.2021	Prof. Debasis Samantha, IIT Kharagpur	IIYear / III Semester / 96	PO1,PO5,PO11,PO12,PSO1,PSO2
4	Big Data Analytics	Introduction of Database Management Systems	NPTEL	24	24.01.2022	Dr. P.Sreenivasa kumar, IIT Madras	II year /26	PO1,PO2,PO3,PSO1,PSO2

**AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING**  
NIZARA EDUCATIONAL CAMPUS, AVADI IAF, CHENNAI - 60

**DEPARTMENT OF INFORMATION TECHNOLOGY**  
ORGANISES

**TECHNICAL TALK ON**  
"SECRET TO SUCCESS AND TECHNOLOGY TRENDS IN BIGDATA"

ON  
**SEPTEMBER 22, 2021**

**RESOURCE PERSON**  
Mr. Aarif Mohamed Hussain  
Associate Director,  
CTS ,Chennai

**VENUE:**  
IT LAB

**Dr.M.Amanullah**      **Dr.M.Afzal Ali Baig**

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Long 80.0585°  
22/09/21 11:24 AM GMT +05:30

Figure 2.4. Proof of Guest Lecture on Secret to Success and Technology Trends in BIG DATA for CAYm1(2021-2022)

Table 2.14. Content beyond Syllabus for CAYm2(2020 - 2021)

S.No	Course Name	Gap Identified	Seminars/ Workshops/Value added Courses	No. of hours	Date	Resource person with designation	No. of Students Attended	Relevance to POs and PSOs
1	Computer Intelligence	Robotic Process Automation	Webinar	6	11.03.2020 & 12.03.2020	Er.SyedAliFathima, Team Lead, M/S. Cognizant Technology Solutions, Chennai	III Year & IV year / 35	PO3,PO5,PO9,PO11,PSO1,PSO2
2	Cryptography and Network Security	Security Issues	Workshop	6	08.03.2021	Er.Debi Prasad, Technical Head, M/S Accel IT Academy, Vadapalani, Chennai.	III Year & IV year / 36	PO1, PO2, PO3
3	Web Technology	PHP & MySQL	Workshop	6	12.04.2021	Er.Stephenraj, Managing Director, M/S. Ads-e-Park, Chennai	II Year & III year / 53	PO1, PO5
4	Object Oriented Programming	Programming in Java	NPTEL	24	24.09.2020	Prof. Debasis Samantha, IIT Kharagpur	II year / 6	PO1,PO5,PO11, PO12,PSO1,PSO2
5	Big Data Analytics	Data Science of Engineers	NPTEL	16	24.09.2020	Prof. Ragnathan Rengasamy and Prof. Shankar Narasimhan, IIT Madras	III year / 5	PO1,PO2,PO3,PO4,PO5, PO6, PO11, PO12, PSO1,PSO2
6	Computational Intelligence	An Introduction to Artificial Intelligence	NPTEL	24	24.09.2020	Prof. Mausam, IIT Delhi	III year / 6	PO1,PO2, PO5, PO10, PO11, PSO1,PSO2

**AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING**  
AVADI, CHENNAI

DATE: 11.03.2020 & 12.03.2020  
**TWO DAY WORKSHOP ON ROBOTIC PROCESS AUTOMATION**

**Resource Person**  
Ms. Syed Ali Fatima, Team Lead, Cognizant Technology Solution Chennai  
Dr. M. Aramulla, HOD-IT  
Alhaj S. Segu Jamaludeen, secretary & correspondent  
Aam. Prof. S. Alagesan, co-ordinator  
Dr. M. Aizal Ali Baig, Principal  
9841712894

Tamil Nadu, India  
CSE&T Block, Aalim Muhammed Salegh College of Engineering, Muthapudupet, Avadi-IAF, Chennai-600055  
Lat 13.147668°  
Long 80.0585°  
11/03/20 12:12 AM GMT +05:30

Figure 2.4. Proof of Webinar on Robotic Process Automation for CAYm2(2020-2021)

Table 2.15. Content beyond Syllabus for CAYm3(2019 - 2020)

S.No	Course	Gap identified	Seminars/ Workshops/ Value added Courses	No. of hours	Date	Resource person with designation	No. of Students Attended	Relevance to POs and PSOs
1	Web Technology	Web Programming	Guest Lecture	3	18.10.2019	Mr.S.Ahmed Ali, Asst.Prof. Dept. of IT	III Year & IV year / 45	PO2,PO4, PO9
2	Cryptography and network security	Cyber Security	Workshop	18	28.1.2020 to 30.01.2020	Mr.ThamaraiSelvam, Associate Manager, M/S. iNautix Technologies pvt Ltd, Chennai	III Year & IV year / 43	PO8, PO2,PO3, PO5
3	Object Oriented Programming in java	Programming in Java	NPTEL	24	24.07.2019	Prof. Debasis Samantha, IIT Kharagpur	II year / 9	PO1,PO5,PO11,PO12,PSO1, PSO2
4.	Computational Intelligence	Introduction to Machine Learning	NPTEL	16	24.07.2019	Prof. Sudeshna Sarkar, IIT Kharagpur	III year /3	PO1,PO2,PO5, PO10, PO11, PSO1,PSO2
5	Database Management System	Database Management system	NPTEL	16	24.01.2020	Prof. Partha Pratim Das, IIT Kharagpur	II year / 10	PO1,PO2,PO3,PSO1,PSO2
6	Computational Intelligence	Artificial Intelligence: Knowledge representation and reasoning	NPTEL	24	24.01.2020	Prof. Deepak Khemani, IIT Madras	III year /3	PO1,PO2,PO5,PO10,PO11,PSO1,PSO2



Figure 2.5. Proof of Workshop on Cyber Security for CAYm3(2019-2020)

## 2021-22

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	Secret to Success and Technology Trends in BIGDATA	Guest Lecture	22/09/2021	Mr.Aarif Mohamed Hussain	50	PO5,PO6,PO9,PO10,PO12
2	IT in Management control	workshop	08/09/2021	Er. Habib Mohammed, Team Lead	52	PO2,PO4
3	Programming in Java	NPTEL	05/10/2021	Prof.Debasis Samantha	20	PO1,PO5,PO11,PO12,PSO1,PSO2
4	Introduction of Database Management Systems	NPTEL	24/01/2022	Dr. P.Sreenivasa kumar, IIT Madras	26	PO1,PO2,PO3,PSO1,PSO2

## 2020-21

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	Robotic Process Automation	Webinar	11/06/2020	Er. Syed Ali Fathima , Team Lead , Cognizant Technology Solutions,	80	PO3,PO5, PO9,PO11 , PSO1,PSO 2
2	Security Issues	Workshop	08/03/2021	Mr.Debi Prasad, Technical HEAD	85	PO1, PO2, PO3
3	PHP & Mysql	Workshop	12/04/2021	Mr.S.Stephenraj, Managing Director	92	PO1, PO5
4	Programming in Java	NPTEL	26/07/2021	Prof. Debasis Samantha, IIT Kharagpur	43	PO1, PO5, PO11, PO12, PSO1, PSO2
5	Data Science of Engineers	NPTEL	24/09/2020	Prof. Ragunathan Rengasamy, Prof. Shankar Narasimhan, IIT Madras	23	PO1,PO2,PO3,PO4,PO5, PO6, PO11, PO12, PSO1, PSO2
6	An Introduction to Artificial Intelligence	NPTEL	24/09/2020	Prof. Mausam, IIT Delhi	27	PO1,PO2, PO5, PO10, PO11, PSO1, PSO2

## 2019-20

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	Web Programming	Guest Lecture	18/10/2019	Mr. S. Ahammed Ali , Asst.Prof. Dept. of IT	91	PO2,PO4, PO9
2	Cyber Security	Workshop	28/01/2020	Mr.Thamarai Selvam, Associate Manager, Trainee	95	PO8, PO2,PO3 , PO5
3	Programming in Java	NPTEL	24/07/2019	Prof. Debasis Samantha, IIT Kharagpur	92	PO1,PO5, PO11,PO12,PSO1, PSO2
4	Introduction to Machine Learning	NPTEL	24/07/2019	Prof. Sudeshna Sarkar, IIT Kharagpur	90	PO1,PO2, PO5, PO10, PO11, PSO1,PSO2
5	Database Management system	NPTEL	24/01/2020	Prof. Partha Pratim Das, IIT Kharagpur	45	PO1,PO2, PO3,PSO1,PSO2
6	Artificial Intelligence: Knowledge representation and reasoning	NPTEL	24/01/2020	Prof. Deepak Khemani, IIT Madras	14	PO1,PO2, PO5, PO10,PO11PSO1,PSO2





**2.2.1 Describe processes followed to improve quality of Teaching & Learning (25)**

## 2.2.1. DESCRIBE PROCESSES FOLLOWED TO IMPROVE QUALITY OF TEACHING & LEARNING

### A. ADHERENCE TO ACADEMIC CALENDAR

The college prepares the Academic calendar in accordance with the guidelines set by the University and in consultation with the department set the beginning of every academic year.


The Academic calendar includes the following details

1. College reopening date for the academic year.
2. Schedule of Internal Assessment.
3. List of Holidays.
4. Departmental Activities.
5. College Activities.
6. Celebration of National Festivals.
7. Last Working Day.
8. Commencement of Schedule of Semester Examination.

Date: 04.03.2022

**CENTRE FOR ACADEMIC COURSES**  
**ANNA UNIVERSITY : CHENNAI - 600 025**  
**ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES**  
**March 2022 – June 2022 (Even Semester – Except Semester II)**  
**UG (FT/PT) Degree Programmes**

REVISED



Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	IV,VI,VIII	16.03.2022	16.06.2022**	18.06.2022	28.06.2022
2.	B.E. / B.Tech (Part-Time)	IV,VI				
3.	B.Arch. (Full-Time)	IV,VI,VIII,X				

**RE - OPENING DAY FOR THE NEXT SEMESTER: 10.08.2022 (Wednesday)**

**NOTE:**

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

\*\* In order to ensure minimum no. of working days, the following Saturdays are declared as working days.

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	19.03.2022	Tuesday
2.	26.03.2022	Wednesday
3.	09.04.2022	Thursday
4.	23.04.2022	Friday
5.	30.04.2022	Tuesday
6.	07.05.2022	Monday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	14.05.2022	Tuesday
8.	21.05.2022	Wednesday
9.	28.05.2022	Thursday
10.	04.06.2022	Friday
11.	11.06.2022	Monday

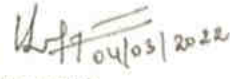
  
**DIRECTOR**  
**ACADEMIC COURSES**

Figure 2.6. Scanned copy of University Academic Calendar for the Even Semester for CAYm1(2021-22)

The Assessment Examination schedules are prepared by the institution and are appended to the department Academic Calendar.

A sample of the department Academic Calendar is seen in the figure below

<b>SEPTEMBER 2020</b>				
DATE	DAY	PARTICULARS	2nd Year to 4th Year	1st Year
1	Tue		15	
2	Wed		16	
3	Thu		17	
4	Fri	IQAC MEETING 1	18	
5	Sat			
6	Sun			
7	Mon	IQAC MEETING 2 Commencement of Internal Assessment - I for 2nd , 3rd & 4th year	19	
8	Tue		20	
9	Wed		21	
10	Thu		22	
11	Fri		23	
12	Sat			
13	Sun			
14	Mon		24	
15	Tue		25	
16	Wed		26	
17	Thu		27	
18	Fri		28	
19	Sat			
20	Sun			
21	Mon		29	
22	Tue		30	
23	Wed		31	
24	Thu	Commencement of Internal Assessment - II for 2nd , 3rd & 4th year	32	
25	Fri		33	
26	Sat			
27	Sun			
28	Mon		34	
29	Tue		35	
30	Wed		36	

**Calendar 2020-21 AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING 31**

Figure 2.7. Scanned copy of College Academic Calendar for CAYm2(2020-21)

#### B. USE OF VARIOUS INSTRUCTIONAL METHODS AND PEDAGOGICAL INITIATIVES

The following Instructional methods and pedagogical initiatives are followed by the faculty in content delivery.

1. Chalk &Board.
2. ICT Tools(PPT, Videos, E-learning resources).
3. Demonstration (Working models/Laboratory).
4. Collaborative Learning(Group discussions ,mini projects).
5. Assignment and Tutorials.
6. NPTEL lectures & Guest Lectures.
7. Seminars by Students.
8. Technical Events, Professional Society Activities.
9. Industrial Visits and Internships.
10. Workshops and Seminars on latest Tools/Technologies.

#### C. METHODOLOGIES TO SUPPORT WEAK STUDENTS AND ENCOURAGE BRIGHT STUDENTS

The strength and weakness of each student are based on their performance in Continuous Assessment Tests and Semester examination. They are segregated by respective class incharge using the below

mentioned criterion:

Student scoring less than 50% of marks in Internal Assessment Test and student having more than 2 arrears in the previous Semester Examination are considered as slow learners.

1. Special classes are conducted to improve the performance of slow learners and each student is regularly monitored by their respective proctors.
2. Important material such as Question Bank, Textbooks, lecture materials and NPTEL links are shared with them through Google classroom.

#### **Steps taken to encourage Bright students:**

Student scoring more than 70% of marks in Internal Assessment Test and student having no arrears in the previous Semester Examination are identified as bright students by mentors.

1. More Assignments are given to them in order to secure a better CGPA.
2. Bright students are encouraged to participate in NPTEL course and motivating them to appear for GATE examinations.
3. Mini projects are given to attain better understanding on the subject and also encouraging them to do Internships.
4. Students are also encouraged to participate in various external events like Project Expos, Hackathons ,Programming competitions and Paper presentation.

#### **D. QUALITY OF CLASSROOM TEACHING**

1. Conducive learning ambience in the classrooms is maintained through comfort seating arrangements, good ventilation with proper lighting.
2. The course materials are prepared well before the commencement of the semester as per University Curriculum. Adding to the above stated, curriculum gap and content beyond syllabus were also identified for every courses.
3. The Department uses innovative tools to engage with students in the classroom. The following technological tools are used.
  - i. Smart Classroom.
  - ii. Chalkboard and Marker board.
  - iii. Google Classroom for sharing all materials.

#### **E. CONDUCT OF EXPERIMENTS**

All laboratories are well equipped with all essential hardware, software and Lab manuals. The observation and record books are checked, verified and maintained by Laboratory In-charge. One faculty member and one instructor are assigned for each lab session. The following innovative methods are adopted by the faculty for the Laboratories.


1. The Laboratories are conducted for 4 hours per session.
2. In each session, the faculty members will explain the procedure of the experiment.
3. Each student is made to write lab programs in the observation and the results obtained are analyzed.
4. The executed experiment with Aim, procedure, and result are documented in the record book by the students in the following week.
5. Viva questions are asked at the end of every laboratory session for better understanding of the experiment.

#### **F. CONTINUOUS ASSESSMENT IN THE LABORATORY**


1. Conducive learning ambience in the classrooms is maintained through comfort seating arrangements, good ventilation with proper lighting.
2. All lab manuals are prepared well before the commencement of the semester as prescribed by the University.
3. Each laboratory course has a set of programs to execute. The student has to design and develop algorithms, program and implement them. The results are then verified by the Course incharge to ensure the correctness of the program.
4. In addition to the regular curriculum experiments, additional experiments beyond syllabus are also conducted.
5. Continuous assessment of the laboratory work is done every week by the faculty handling the laboratory classes.
6. If the student has attended all labs, then the Lab performance is considered excellent.

#### **G. STUDENT FEEDBACK OF TEACHING LEARNING PROCESS AND ACTIONS TAKEN**

1. A Class Committee Meeting is conducted thrice in a semester to monitor the syllabus coverage/difficulty in understanding the subject.
2. Based on the student's feedback, the Head of the Department and senior Professors will give valuable suggestions to improve the quality of teaching.
3. Students feedback about the course delivery method is collected at the end of each. Semester. The students are required to undergo filling the feedback-form to appraise the faculty on the scale.
4. The collected feedback from the students is analyzed by the Head of the Department and the Principal. After the feedback is analyzed, suggestions are given to the concerned teachers to improve the Teaching Learning Process.
5. Faculty development programmes are conducted by professional experts to enhance the teaching skills of faculty.



**AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING**  
 "Nizara Educational Campus" Muthapudupet  
 IAF-Avadi, Chennai - 600 055.



**STUDENTS FEEDBACK FORM**

11

**EVALUATING THE TEACHING PROCESS**  
 (To be filled by Students)

Name of the Student & Reg.No (optional): **M. Mohamed Kasim**

Department: **B-TECH.IT**

Academic Year: **21-22**  
**II-nd**

Semester/Sec: **IX**

This Feedback is being sought from you as a part of the continual improvement program in vogue in every Department. Please give your fair and unbiased response. You may rank the Teacher on a scale of 1-5 in each box as your feedback score for each parameter.

(5 - Excellent 4 - Very Good 3 - Good 2 - Satisfactory 1 - Poor)

S. No.	Subject Code	MA 8391	CS8491	CS8492	CS8493	CS8494	GE8291
	Name of the Faculty Member	Vinayagam -P	Ashika Ashika -P	Dhanya Bhanu -P	Revathi -S	Mehabob Subhani -M	S'katul hammed
Please read the lines below as "The Teacher."							
1	Comes to the class on time	5	5	5	5	5	5
2	Comes well prepared for the class	5	5	5	5	5	5
3	Engages classes regularly and maintains discipline.	5	5	5	5	5	5
4	Speaks clearly and audibly, writes and draws legibly	5	5	5	5	5	5
5	Covers all the topics on time.	5	4	5	5	5	5
6	Offers timely assistance and counseling to the Students.	5	5	5	5	5	5
7	Asks questions to promote interaction and reflective thinking.	5	4	5	5	5	5
8	Explains clearly and effectively the concepts/principles with appropriate examples.	5	5	5	5	5	5
9	Encourages, compliments, praises the originality and creativity displayed by the Students.	4	4	5	5	5	5
10	Is understanding and unbiased in dealing with the Students.	5	4	5	5	5	5
Remarks (if any):		49	46	50	50	50	50

Figure 2.8. Scanned copy of Students Feedback of Teaching Learning Process for CAYm1(2021-2022)

### A. PROCESS FOR INTERNAL SEMESTER QUESTION PAPER SETTING AND EVALUATION AND EFFECTIVE PROCESS IMPLEMENTATION

1. As per norms of affiliating university academic regulations, in each theory course, three Midterm Examinations and one model examination are to be conducted as per academic calendar. The first term test will be covering CO1 and half of CO2. Second midterm will consist of the remaining half of CO2 and CO3. The last and the final assessment will consist of CO4 and CO5. Depending on the performance of the students, retest or model examination will be conducted at the end of the semester.

2. Faculty members are advised to use Blooms taxonomy to prepare the question papers in such a way to cover the prescribed syllabus and ensure the relevant course outcomes.

3. The question paper for the Midterm Examination is of 90 minutes duration and consists of 5 two marks descriptive type questions, 3 descriptive type questions out of two questions having 13 Marks and one question of 14 marks.

4. The question paper for the Model Examination is of 180 minutes duration and consists of 10 two marks descriptive type questions, 6 questions out of which the student has to answer any five questions having 13 Marks each and one descriptive type question having 15 marks respectively.

### B. PROCESS TO ENSURE QUESTIONS FROM OUTCOMES / LEARNING LEVELS PERSPECTIVE

1. Head of the Department and faculty members audits the question papers.

2. The quality of questions, mapping with COs and learning levels as per the revised Anna University regulations (R-17) as ensured by HOD and faculty members.

3. The Head of the Department will suggest the alterations in the question papers if there is any disparity.

### C. EVIDENCE OF COs COVERAGE IN CLASS TEST / MID-TERM TESTS

The mapping of questions with COs and Blooms Taxonomy levels in Midterm Examinations are indicated in the Midterm question paper as shown in the Figure below.

Reg. No: _____	
Subject Code : IT8601 Subject Title : COMPUTATIONAL INTELLIGENCE Dept / Year / Sem : IT / III / VI	
Time: 1hr. 30 Min.	Maximum : 50 Marks Date: 07.03.2023
<b>Answer ALL Questions</b>	
<b>PART - A (5 * 2 = 10 Marks)</b>	
1. Define Computational Intelligence?	BL-1, CO1
2. Distinguish between Intelligent Agent and Rational Agent?	BL-2, CO1
3. Show the meaning of Heuristic Search?	BL-3, CO1
4. Write down the Properties of Search Algorithm with one example?	BL-3, CO1
5. List out two major categories of Searching Techniques?	BL-2, CO1
<b>PART - B (2 * 13 = 26 Marks)</b>	
6. A) Is AI Science or Engineering? Neither or both? Explain History of AI? (13)	BL-2, CO1
(OR)	
6. B) Explain briefly about Breadth First search technique with the suitable example? (13)	BL-4, CO1
7. A) How the informed Search is better than Uninformed Search? Explain in detail? (13)	BL-3, CO1
(OR)	
7. B) Discuss any one Classification of Heuristic Search Algorithms with examples? (13)	BL-2, CO1
<b>PART - C (1 * 14 = 14 Mark)</b>	
8. A) Explain in detail about Alpha-Beta Pruning Technique? (14)	BL-3, CO1
(OR)	
8. B) Consider a two player game in which the mini-max search procedure is used to compute the best moves for the first player. Assume a static evaluation function that returns values ranging from -10 to 10, with 10 indicating a win for the first player and -10 a win for the second player. Assume the following game tree in which the static scores are from the first player's point of view. Suppose the first player is the maximizing player and needs to make the next move. What move should be chosen at this point? Can the search be optimized? (14) BL-5, CO1	
Prepared By: <i>[Signature]</i> 4/3/23	Approved By: <i>[Signature]</i> 4/3/2023

Figure 2.9. Scanned copy of Internal Assessment question paper for CAY(2022-2023)

- COs are assessed by three internal examinations.
- Each questions in the all question papers will be marked with the corresponding CO and the level of learning.
- All the COs are equally assessed through the internal assessment and same is used for the calculation of COs and POs attainment.

### D. QUALITY OF ASSIGNMENT AND ITS RELEVANCE TO COs

- Assignments are given to students to achieve course outcomes and promote self-learning.
- The assignments are designed to assess the application-oriented knowledge gained by the students in the relevant course.
- The assignment will be evaluated by giving importance to the extent to which the students have used multiple sources for collecting the information for the assignment as well as the presentation of the concept.

4. Along with evaluation, the concerned staff will give feedback for further improvement if necessary.
5. The evaluations of the assignments are based on the basic concepts, the coverage of the courses, and the way the student presents them.

**2.2.3 Quality of student projects (25)**

Institute Marks : 25.00

**A. IDENTIFICATION OF PROJECTS AND ALLOCATION METHODOLOGY TO FACULTY MEMBERS**

1. The projects of the students are chosen in accordance with the student interest.
2. Students are given a quick overview of numerous fields to help them choose project topics.
3. Students are given a free hand to select areas of project work, team members and a supervisor. The student team should approach the desired faculty member and get his approval to provide guidance by explaining the project idea.
4. One faculty member will be assigned to each batch of students as project supervisor. The project supervisor will advise their students on how to develop creative ideas and maintain the progress.
5. Faculty members encourage students to undergo in-house projects with necessary hardware and software support.
6. The Topics for their project can be identified by referring the problems mentioned in IEEE journal or scientific journals or any E-resources.
7. Students are encouraged to participate in project exhibitions. The goal of the project exhibition is to give a shared platform for them to display their ideas and work toward excellence in cutting-edge technology.
8. Students are encouraged to publish their paper in journals and conferences.

**B. TYPES AND RELEVANCE OF THE PROJECTS AND THEIR CONTRIBUTION TOWARDS ATTAINMENT OF POs and PSOs****Table 2.16. Mapping of Student Projects with POs and PSOs for CAYm1(2021-2022)**

S. No	REGISTER NUMBER	NAME OF THE STUDENT	TITLE OF THE PROJECT	NAME OF THE SUPERVISOR	TYPE OF THE PROJECT	POs & PSOs TO WHICH MAPPED
1	110118205302	A. GOWTHAM	Attribute Based Data Management In Crypt Cloud	Asst. Prof. H.AYISHA ASHIFA	Cloud Computing	PO1,PO3,PO5,PO7,PO8,PO11, PO12
	110118205004	A. HIDARALI				
	110118205008	M. MOHAMED NAWAZ				
2	110118205010	A. SALMA	Modern Workspace Based Policy Management With Ai Based Records Management -Industry Live Project	Asst. Prof. M.MEHABOOB SUBAHANI	Artificial Intelligence	PO1,PO2, PO3,PO4,PO5, PO8,PO10,PO11, PSO1,PSO2
	110118205014	K. SHABANA PARVEEN				
3	110118205011	J. SALMAN AHAMED	Scanning Live	Asst. Prof.P. DHIVYA BHARATHI	Image Processing	PO2,PO3,PO4,PO5,PO7,PO9,PO10,PO11,PO12, PSO1,PSO12
	110118205013	N. SANJAY BITRA	ImageWith Digital Documents Using Face Recognition			
	110118205015	M.R.SYED MOHAMED DHANISH				
4	110118205005	A. MADHUMEGA	Building A Convolutional Neural Network For Combustion Detection	Dr.M.AMANULLAH	Machine Learning	PO1,PO2, PO3,PO4,PO5, PO12,PSO1,PSO2
	110118205009	S. SABA ZEHRA				
	110118205012	K. SALMAN AL FARISHI				
5	110118205001	A. ASIM KHAN	Desktop Personal Smart Voice Assistant Using Python	Asst. Prof. S.ALAGESAN	Artificial Intelligence	PO1,PO2,PO3,PO4,PO5, PO8,PO10,PO11,PSO1, PSO2
	110118205002	M. ENAMULHUK				
	110118205007	V.M. MOHAMED MARWAN				



6	110117205003	R. DHANISHA	Augmented shopping Experience for	Asst. Prof. R.LAVANYA	Internet of Things	PO1,PO2, PO3,PO4, PO8,PO10,PO11,PSO1, PSO2
	110117205014	S. RABIA MAA	Sustainable Consumption using IoT			
7	110117205012	M. MOHAMED IBRAHIM	Farm to Home	DR.M. AMANULLAH	Application	PO1,PO2, PO3,PO4,PO5, PO8,PO10,PO11, PSO1,PSO2
	110117205302	S. SARBUDEEN KATHER				
8	110117205002	B. AYEESHA KHATOON	Sign Language Prediction using Deep Learning	Asst. Prof. R.LAVANYA	Deep Learning	PO1,PO2, PO3,PO4,PO5, PO12,PSO1,PSO2
	110117205005	J. MAHALAKSHMI				
9	110117205006	M. MOHAMED ABBASMEERAN	G-STAT informatics using Analytical tools	DR.M. AMANULLAH	Image Processing	PO2, PO3,PO4,PO5, PO7,PO9,PO10, PO11,PO12, PSO1,PSO12
	110117205009	J. MOHAMED ARFIN				
	110117205013	K. MOHAMED SHAFITH				
10	110117205015	M.A. RABIYA NOORIE	Detection of pathogens in-plants	DR.M. AMANULLAH	Medical Application	PO1,PO2,PO3,PO4,PO5, PO8,PO10,PO11,PSO1,PSO2
	110117205016	M. SHANOFAR JUHI				
	110117205007	M. MOHAMED ABDUL MALIK				
11	110117205010	M. MOHAMED ASHIK	Bridge Monitoring Systems	Asst.Prof.ALAGESAN.S	Internet of Things	PO1,PO2, PO3,PO4, PO8,PO10,PO11,PSO1,PSO2
	110117205301	E. DASS				
	110117205008	S. MOHAMED ABUBACKER				
12	110117205011	A. MOHAMED ASSIF	COVID-19 Prevention by maintaining Social Distance With Computer Vision	Asst.Prof.S. ALAGESAN	Artificial Intelligence	PO1,PO2, PO3,PO4,PO5,PO8,PO10,PO11,PSO1,PSO2
	110117205303	T. WASEEQ AHAMED				
13	110117205001	R. AADHISITHAN	Fraud and Unauthorized Crime Detection using Data Mining Technique	Asst. Prof. H. AYISHA ASHIFA	Data Mining	PO1,PO2, PO3,PO4,PO9, PO12, PSO1,PSO2
	110117205004	U. JAFAR SHAREEF				
	110117205017	SYED FARHAN MOHIDEEN				

14	110117205018	M. ZAINAB SABA	Real time Prediction of Taxi demand using	Asst. Prof. P. DHIVYA BHARATHI	Machine Learning	PO1,PO2, PO3,PO4,PO5,PO12, PSO1,PSO2
	110117205019	N. ZEENATH BEGUM	Recurrent Neural Networks			
15	110116205016	K.N. NASREEN FATHIMAM	A Modern Methodology Enabling Plastic Disposal and Money Crediting System Promoting Digital India	Dr.M.AMANULLAH	Internet of Things	PO1,PO2, PO3,PO4,PO8,PO10,PO11, PSO1, PSO2
	110116205021	S. SESHA PRIYA				
	110116205301	M. JAYASHREE				
16	110116205001	M. AFZAL	Contactless Heart Beat Detection System	Asst. Prof. P. GANESH	Deep Learning	PO1,PO2, PO3,PO4,PO5,PO12, PSO1,PSO2
	110116205002	H. AL ANSARI				
	110116205015	K. MOHAMMED FARHAN				
17	110116205009	K. MEGHA	Best Crop Suggestion Using Multifactor Analysis	Asst. Prof. R. LAVANYA	Machine Learning	PO1,PO2, PO3,PO4,PO5,PO12, PSO1,PSO2
	110116205302	J. YASMEEN HUSSAIN				
18	110116205012	R. MOHAMED AZATH	Real - Time Fire Detection And Alerting System	Dr.M.AMANULLAH	Internet of Things	PO1,PO2, PO3,PO4,PO8,PO10,PO11, PSO1,PSO2
	110116205018	M. PANDIYA MOORTHY				
	110116205024	S. VEERAMANI				
19	110116205008	S. MEGANDAR KHAN	Face Recognition Using Open CV	Asst. Prof. R. LAVANYA	Image Processing	PO2, PO3,PO4,PO5,PO7,PO9,PO10, PO11,PO12, PSO1,PSO12
	110116205017	A. NOOR MOHAMED				
	110116205022	S. SIVA BALAJI				
20	110116205007	JIFFRIL AKRAM	Machine learning based malicious application detection using Android	Asst. Prof. V. MOHAMMED KEERAN	Machine Learning	PO1,PO2, PO3,PO4,PO5,PO12, PSO1,PSO2
	110116205014	M. MOHAMMED ANWARDHEEN				
	110116205020	B. SARATH				
21	110116205003	ARSHIYA AFRIN	Food Product Tracking using Block chaining	Asst. Prof. S. ALAGESAN	Cyber Security	PO1, PO3,PO4,PO5,PO11, PSO1,PSO2
	110116205006	G. JEEVITHAMANI				
22	110116205010	S. MOHAMED ARFIN	An Advanced Information Security System Using Text Based and Non - Text based In Cloud Computing	Asst. Prof. S. ALAGESAN	Cloud Computing	PO1,PO3,PO5,PO7,PO8,PO11, PO12
	110116205011	V. MOHAMED ARSHATH				
	110116205026	M. YASAR ARAFATH				

23	110116205004	R. ELIYAS AHAMED	A Secured School Bus Tracking And Student Monitoring System	Dr.M.AMANULLAH	Internet of Things	PO1,PO2, PO3,PO4,PO8,PO10,PO11, PSO1,PSO2
24	110116205023	S. SOMA LAKSHMI	Gesticulation Of Hand Gesture Into Transcript Translator	Dr.M.AMANULLAH	Image Processing	PO2, PO3,PO4,PO5,PO7,PO9,PO10, PO11,PO12, PSO1,PSO12
	110116205025	A.K. VISHWA PRIYA				

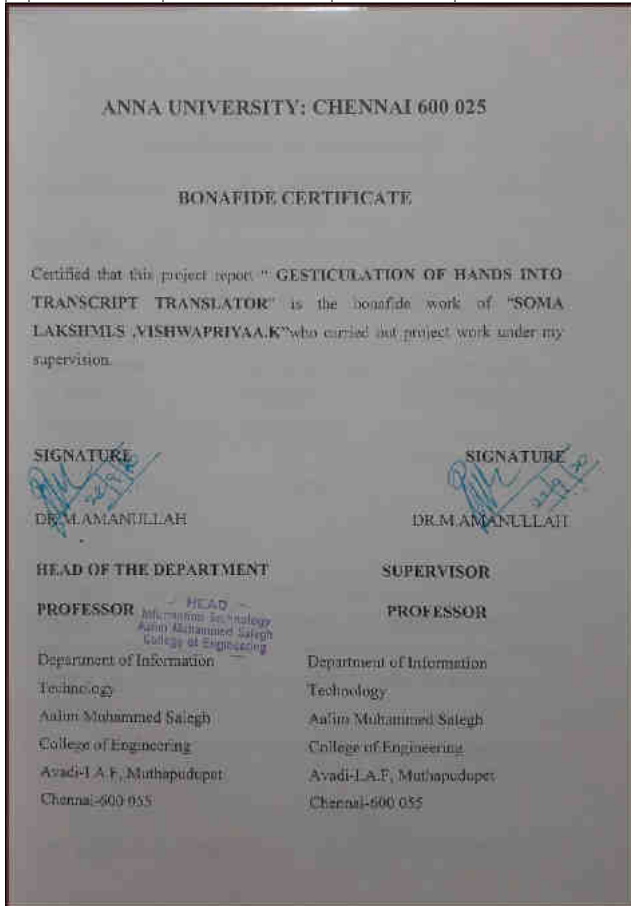


Figure 2.11 Scanned Sample Copy Project Report for CAYm1(2021-2022)

### C. PROCESS FOR MONITORING AND EVALUATION

1. The review schedule will be circulated by the department and will be communicated to the students for their project presentation.
2. Project students should meet with their respective supervisor once in a week to discuss their progress on the project during that week.
3. In order to ensure timely completion of project work, three reviews will be conducted by HOD along with faculty members and project supervisor.
4. Marks will be assigned for each review by considering the work progress, novelty of work and individual student contribution.
5. The project supervisor will analyze the students review presentation, assist them with their project work and ensure that they are working in the proper manner.
6. Final viva-voce examination will be conducted by an external faculty member assigned by University and faculty member from the department.



Figure 2.12. Scanned copy of Zeroth Project Review Schedule for CAYm1(2021-2022)

Table 2.17. Rubrics for Internal Evaluation

Criteria	<30%	>30 to 65%	>65%
Originality and novelty of the project (10 Marks)	No originality and novelty found (0 Marks)	Continuation of old work with little improvement (5 Marks)	New work with literature backup (10 Marks)
Grasp of project idea (10 Marks)	No awareness about the project work (0 Marks)	Satisfactory level of understanding (5 Marks)	Better understanding with scientific principles and applications (10 Marks)
Quality of presentation slides (10 Marks)	Not adhering with the provided template (0 Marks)	In the standard template but not maintaining the alignment and order. (5 Marks)	Slides are well - organized and neat. (10 Marks)
Adherence to the time frame (10 Marks)	Large deviation to the proposed time frame without appropriate explanation (0 Marks)	Deviation of more than 10 days with appropriate justification. (5 Marks)	No deviation or deviation less than 7 days with proper justification (10 Marks)
Results Interpretation and conclusion (10 Marks)	In complete results or wrong interpretation. (0 Marks)	Low interpretation with the obtained results. (5 Marks)	Good interpretation with the results. (10 Marks)
Clarity of answering Viva (10 Marks)	Poor or no response (0 Marks)	Satisfactorily provided answers (5 Marks)	Clear explanation with scientific justification. (10 Marks)

#### D. PROCESS TO ASSESS INDIVIDUAL AND TEAM PERFORMANCE

The performance of the individual team member is assessed during project review presentation based on the following criteria:

1. Presentation skills.
2. Communication skills.
3. Confidence in the project work.
4. Attainment of individual scope of work.
5. Overall contribution for the project.

The Project team performance is assessed based on the following criteria:

1. Design/Methodology.
2. Implementation.
3. Demonstration of Results.

4. Project report.
5. Viva-voce.

**E. QUALITY OF COMPLETED PROJECTS / WORKING PROTOTYPES**

The Quality of completed projects and best projects are assessed based on the following factors:

1. Paper published in Reputed Journals.
2. Overcome the real time complications.
3. Meet the industrial standard with low requirements and operational cost.
4. External examiner’s review /feedback.
5. Project recognition by awards or project expo.

**F. EVIDENCES OF PAPERS PUBLISHED / AWARDS RECEIVED BY PROJECTS etc.**

Table 2.18. Paper Published for Students Projects for CAYm1(2021-22)

REGISTER NUMBER	NAME OF STUDENT	PROJECT SUPERVISOR	TITLE OF THE PAPER	JOURNAL PUBLISHED
110118205009	S. SABA ZEHRA	Er. DHIVYA BHARATHI P	FUZZY LOGIC FOR STUDENT PERFORMANCE EVALUATION	JETIR, Volume 8, Issue 12, December 2021
110118205005	A. MADHU MEGA			

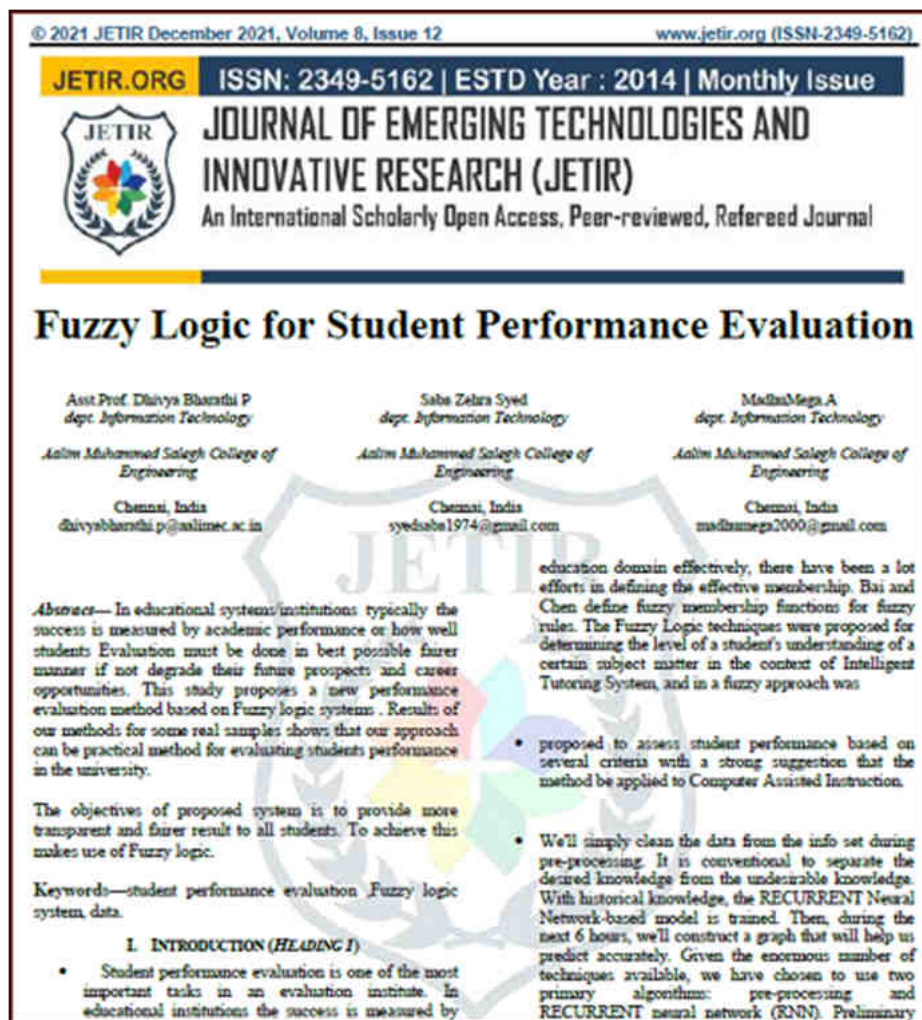


Figure 2.13. Proof of Journal Paper Published in JETIR by student CAYm1(2021-2022)

2.2.4 Initiative related to industry interaction (15)

Institute Marks : 15.00

## A. INDUSTRY SUPPORTED LABORATORIES

Table 2.19. Industry Supported Laboratories

S. NO	NAME OF THE LABORATORY	TYPE OF INDUSTRY	ORGANIZATION NAME	OBJECTIVES
1	COMPUTER LAB - CC5	Web Development	M/s IFELSE Techsmart Solutions Private Limited	To train students in developing web pages
2	JIO Room	Quality Assurance and Control	JIO Net Fiber	To train students in Non destructive technique

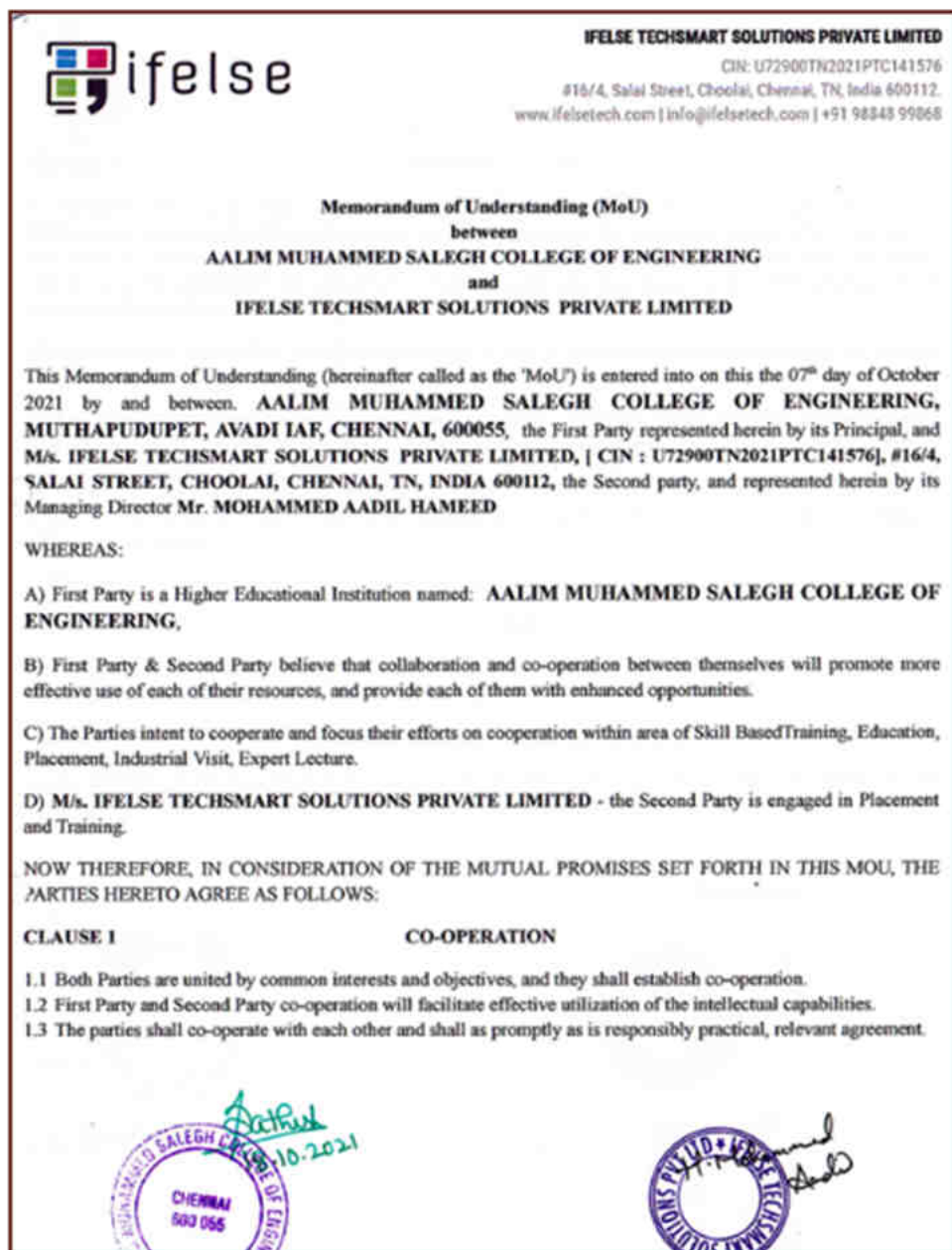


Figure 2.14. Proof of IFELSE Techsmart Solutions Private Limited

## B. INDUSTRY INVOLVEMENT IN THE PROGRAM DESIGN AND PARTIAL DELIVERY OF ANY REGULAR COURSES FOR STUDENTS

Table 2.20. List of Technical Talk/ Guest Lectures Arranged for CAYm1(2021-2022)

S.No	Technical Talk/ Guest Lectures	Date	No of Hours	Resource Person	Participants Count
1	Career In Software Testing	05.01.2022	5	Er. Hajeera Banu Test Lead-R&D IT Astragenica	90
2	Technological Skills On Demand	13.04.2022	2	Er. Muhammed Ilyas, CEO M/s IT Expert Training	75

3	Devops Fundamentals And Cloud Engineering	16.04.2022	3	Er. B. Gokul Subburaj Lead - M/s Site Reliability Engineering @Trimble , Chennai	86
4	Emerging Technologies Android App Development And Ethical Hacking	26.05.2022	5	Mr. Surya Prakash & Mr. Santhosh, Technical Trainers, M/s Parts2products, chennai	90
5	An Era Of Digital Marketing	03.06.2022	2	Er. G. Karthiga, Founder & Digital Director, M/s The Grafician	50



Figure 2.15. Proof of Webinar on Career In Software Testing for CAY(2022-2023)

Table 2.21. List of Technical Talk/ Guest Lectures Arranged for CAYm2 (2020-21)

S.No	Technical Talk/ Guest Lectures	Date	No of Hours	Resource Person	Participants Count
1	Cyber Security	28.01.2020 to 30.01.2020	6	Er.Vamsidhar Cyber, Security Expert,M/s CTS, Chennai.	70
2	Technical Skills for specific job roles	16.02.2021 & 17.02.2021	2	Er.Muhammed Iliyas, CEO, IT Expert training	74
3	Hands on Training in AI	08.03.2021	3	Er. S.Senthilraj, M/s I2C Marketing Private Limited	52



Figure 2.16. Proof of Hands on Training in AI for CAYm1(2021-2022)

Table 2.22. List of Technical Talk/ Guest Lectures Arranged for CAYm3(2019-20)

S.No	Title of Talk	No of Hours	Resource Person	Participants Count
1	Digital Marketing Fundamentals	2	S.Senthilraj, I2C Marketing Private Limited	55
2	Full Stack Web Development	3	If else Technologies	58
3	Advanced Android Technology using JAVA	3	Er. B. Gokul Subburaj Lead - Site Reliability Engineering, Trimble , Chennai	50



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**Department of Information  
Technology**  
**WEBINAR**

**ADVANCED ANDROID  
TECHNOLOGY USING JAVA**

**ER.B. GOKUL SUBBURAJA**  
Lead-site Reliability Engineer  
Trimble, Chennai

**FEB  
11 TH, 2020**

Co-ordinator:  
Mohammed Keeran.V

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Figure 2.17. Proof of Advanced Android Technology using JAVA for CAYm2(2020-2021)

### C. IMPACT ANALYSIS OF INDUSTRY INSTITUTE INTERACTION AND ACTIONS TAKEN THEREOF

Table 2.23. List of MOUs

S.No	Name of Industry with Contact Details	Date of MOU Signed	SPOC
1	NSEIT Limited - Mumbai	31.07.2019	NSEIT Limited
2	M/s Aspiring Minds Assessment Private Limited - Gurgaon	17.09.2019	Aspiring Minds Assessment Private Limited
3	MOSOOK Training Academy - Egmore Chennai	12.10.2019	Majed Falegh Ai Baiji, Masook Training Academy.
4	Gimarsoft Education Private Limited - Gurgaon	03.01.2020	A.Nirmal ,Gimarsoft Education Services ,Pvt Ltd
5	SEGER OVERSEAS - Anna Salai Chennai	17.02.2020	Varghese P, Director, SEGER OVERSEAS Pvt Ltd
6	Teachsub Techno solutions Private Limited -Chennai	21.10.2020	Henry Maries, Teachsub Technologies pvt ltd.
7	IFELSE Techsmart Solutions Private Limited - Chennai	18.10.2021	Mohammed Aadil, IFELSE Techsmart Solutions Pvt Ltd

8	Infocare Engineering Services Private Limited - chennai	11.02.2022	Maanika Janarathanan, Infocare Engineering Services Pvt Ltd
9	Sai Education and Job Consultancy Private Limited - Chennai	11.02.2022	Shankar Vijay, Sai Education and Job Consultancy Private Limited
10	Felicet Infra Private Limited - Chennai	11.02.2022	Thiruvenkadam, Felicet Infra Private Limited
11	Vanaaspire Private Limited - Chennai	11.02.2022	Vanaraja, Vanaaspire Private Limited

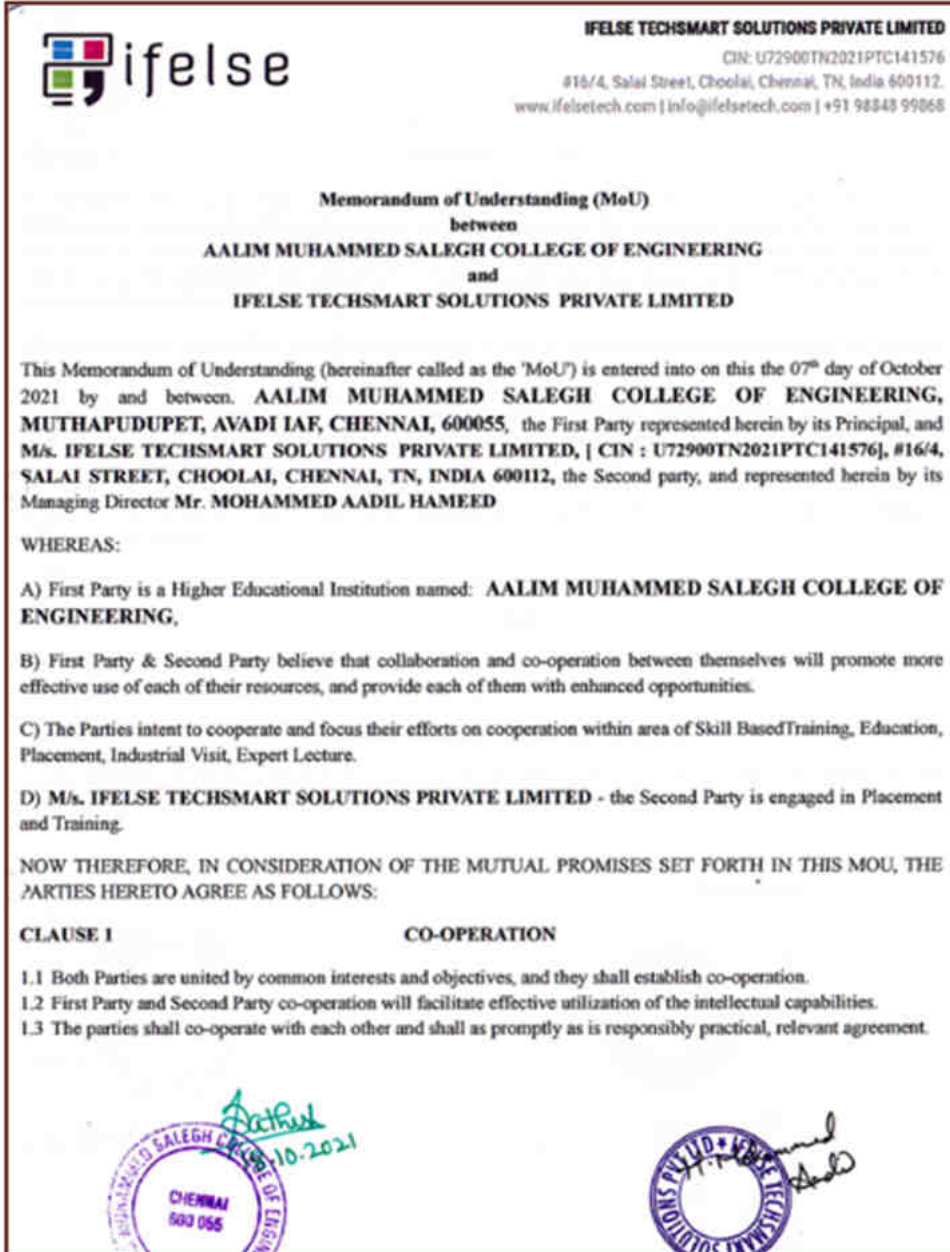


Figure 2.18 Proof of Industry Institute Interaction for CAYm1(2021-2022)

2.2.5 Initiative related to industry internship/summer training (15)

Institute Marks : 15.00

### A. INDUSTRIAL TRAINING/TOURS FOR STUDENTS

The industrial visits arranged for the students are listed in table below:

**Table 2.24. Lists of Industrial visits for CAYm1(2021-2022)**

S.No	Date	Type of Industry	Name of the Company Visited	Year	No. of students	Objective
1	20.12.21	PALS	PALS Virtual Industrial Visit-MEL System & Services	II,III,IV	92	Students gained Knowledge about the process of Automation of Robotics
2	01.06.22	Electrical Power Generation Industry	Neyveli Lignite Corporation, Neyveli	III year	40	Students deepen their understanding of how electricity is generated and transmitted and the role of programming to automate the monitoring process



**Figure 2.19. Proof of Industrial visits at Neyveli Lignite Corporation for CAYm1(2021-2022)**

**Table 2.25. Lists of Industrial visits for CAYm2(2020-2021)**

S.No	Date	Type of Industry	Name of the Company Visited	Year	No. of students	Objective
1	14.09.21 to 18.09.21	PALS	PALS Virtual Industrial Visit-Virtual Lab	II,III,IV	76	Students gained Knowledge about the Academic Programming Labs

**Table 2.26. Lists of Industrial visits for CAYm3(2019-2020)**

S.No	Date	Type of Industry	Name of the Company Visited	Year	No. of students	Objective
1	31.08.19	Engineering Education and Research	IITM Research Park	II, III	36	Students gained the knowledge of Research and Development in the field of Information Technology
1	18.03.20	PALS	PALS Virtual Industrial Visit- QUESZ 19-20	II,III,IV	79	Students learned a new technology by attending this quiz



Figure 2.20 Proof of Industrial visits at IITM Research Park for CAYm3(2019-2020)

#### B. INDUSTRIAL / INTERNSHIP / SUMMER TRAINING OF MORE THAN TWO WEEKS AN POST TRAINING ASSESSMENT

The industrial internships obtained by the students are shown in the table below:

Table 2.27. List of Internships CAYm1(2021-2022)

S.No	Name of the Student	Industry/Organization	No. of Students	Duration
1	Mohammed Ismail Kafil	M/s ShapeAI	03	7 months
	A.R.Gokul			
	Mohammed Fasehiullah			
2	Yusra Saba	M/s ShapeAI	01	3 months
3	Yusra Saba	M/s ULead	02	3 months
	Aaliya Fathima			
4	F.N.Afrah Fathin	M/s ULead	01	4 months
5	Yusra Saba	Amigos Foundation	01	2 months
6	Sheik Amanullah	M/s UCFER	01	1 month



Figure 2.21. Proof of Industrial internships obtained by the students for CAYm1(2021-2022)

Table 2.28. List of Internships CAYm1(2020 - 2021)

S.No	Name of the Student	Industry/Organization	No. of Students	Duration
1	Yusra Saba	M/s Apex steel & technology & M/s Concord Helmets & safety private limitd	1	42 days



Figure 2.22. Proof of Student Participated in Rival Fiesta for CAYm2(2020 - 2021)

Table 2.29. List of Internships CAYm3(2019-2020)

S.No	Name of the Student	Industry/Organization	No. of Students	Duration
1	MOHAMMED ANWARDHEEN.M.	If else Technologies	5	1 WEEK
2	SARATH .B.			
3	AFZAL.M			
4	VISHWA PRIYAA.K			
5	M.JAYASHREE			
6	ABDUL HAMEED.K			
7	ASIYA.M.K			
8	IJAZ AHMED			
9	MOHAMED SAMEEM.M			
10	MOHAMMED AJMAL KHAN.J			

**C. IMPACT ANALYSIS OF INDUSTRIAL TRAINING**

Industrial visit is considered as one of the tactical methods of teaching. The main reason behind this, it lets student to know things practically through interaction, working methods and Employment practices. From the Industrial visits the students learnt the following things:

1. Students could analyze the real time problems and develop prototypes as part of their project work.
2. Dissemination of knowledge among the peers.
3. Exposure through student network and improvement in communication skills.
4. Integration of best practices in teaching and learning.
5. Internships serve as a culminating focal point, encouraging students to tie together the knowledge, skills and abilities.
6. Students to strengthen their conceptual understanding and reflect usage in novel Domain.
7. Students will get professional ethics, since they work in a team and with eminent personalities in the industry.
8. Students can gain knowledge & Proficiency in specialized software packages and computer programming useful for the analysis/design.
9. The Industrial Training Program is fill the gap between academics and industry.

**D. STUDENT FEEDBACK ON INITIATIVE**

Industrial training is required to bridge the gap between academic and industry curriculum. This helps students in improving their skills and competences so that they can find work. It allows students to combine theoretical knowledge learned in the classroom with the practical application of knowledge needed to complete a task. Our college organizes industrial visits for students to further gain their knowledge.

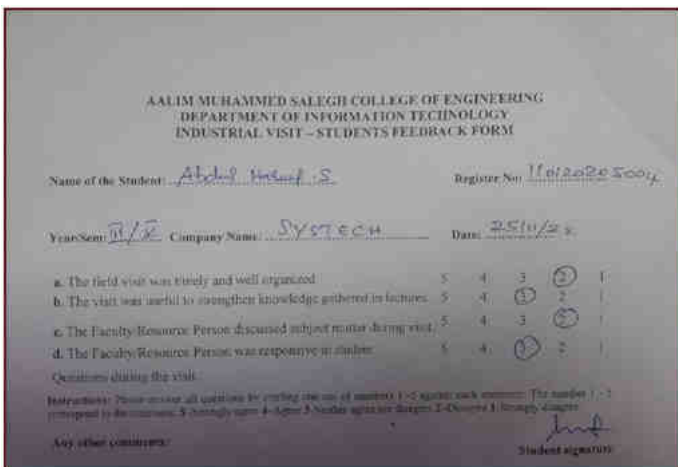


Figure 2.23. Scanned copy of Industrial Visit Student Feedback Form for CAYm1(2021-2022)

3 COURSE OUTCOMES AND PROGRAM OUTCOMES (120)

Total Marks 120.00

Define the Program specific outcomes

3.1 Establish the correlation between the courses and the Program Outcomes (POs) and Program Specific Outcomes (PSOs) (20)

Total Marks 20.00

---

<b>PSO1</b>	To adapt emerging Information and Communication Technologies in order to come up with new ideas and solutions for existing and new challenges.
<b>PSO2</b>	To create software systems, components, or processes that meet specific requirements with financial, environmental, and societal constraints.

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**3.1.1 Course Outcomes(COs)(SAR should include course outcomes of one course from each semester of study, however, should be prepared for all courses and made available as evidence, if asked) (5)**

Institute Marks : 5.00

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**Note : Number of Outcomes for a Course is expected to be around 6.**

<b>Course Name :</b>	<b>C2 04</b>	<b>Course Year :</b>	<b>2021-2022</b>
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<b>Course Name</b>	<b>Statements</b>
C2 04.1	Create Java programs using OOP principles.
C2 04.2	Execute Java Programs with the concepts inheritance and interfaces.
C2 04.3	Build Java applications using exceptions and IO Streams.
C2 04.4	Create Java Applications with threads and generic classes.
C2 04.5	Develop interactive Java programs using swings.

<b>Course Name :</b>	<b>C2 14</b>	<b>Course Year :</b>	<b>2021-22</b>
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<b>Course Name</b>	<b>Statements</b>
C2 14.1	Analyze various scheduling algorithms.
C2 14.2	Understand deadlock, prevention and avoidance algorithms.
C2 14.3	Compare and contrast various memory management schemes.
C2 14.4	Understand the functionality of file systems.
C2 14.5	Perform administrative tasks on Linux Servers and Compare iOS, Android Operating Systems.

<b>Course Name :</b>	<b>C3 02</b>	<b>Course Year :</b>	<b>2021-22</b>
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<b>Course Name</b>	<b>Statements</b>
C3 02.1	Understand the basic layers and its functions in computer networks
C3 02.2	Evaluate the performance of a network.
C3 02.3	Understand the basics of how data flows from one node to another
C3 02.4	Analyze and design routing algorithms.
C3 02.5	Design protocols for various functions in the network and Understand the working of various application layer protocols

<b>Course Name :</b>	<b>C3 10</b>	<b>Course Year :</b>	<b>2021-2022</b>
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<b>Course Name</b>	<b>Statements</b>
C3 10.1	Provide a basic exposition to the goals and methods of Computational Intelligence.
C3 10.2	Study of the design of intelligent computational techniques.
C3 10.3	Apply the Intelligent techniques for problem solving
C3 10.4	Improve problem solving skills using the acquired knowledge in the areas of reasoning, natural language understanding, computer vision, automatic programming
C3 10.5	Develop problem solving skills using the acquired knowledge in the areas of Machine Learning

<b>Course Name :</b>	<b>C4 01</b>	<b>Course Year :</b>	<b>2021-2022</b>
----------------------	--------------	----------------------	------------------

<b>Course Name</b>	<b>Statements</b>
C4 01.1	Identify the key activities in managing a software project.
C4 01.2	Compare and contrast the various process models with testing and maintenance
C4 01.3	Concepts of requirements engineering and Analysis Modeling.
C4 01.4	Apply systematic procedure for software design and deployment.
C4 01.5	Manage project schedule ,estimate project cost and effort required..

<b>Course Name :</b>	<b>C4 10</b>	<b>Course Year :</b>	<b>2021-2022</b>
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<b>Course Name</b>	<b>Statements</b>
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C4 10.1	Use an open source search engine frame work and explore its capabilities
C4 10.2	Apply appropriate methods of classification or clustering.
C4 10.3	Design and implement innovative features in a search engine.
C4 10.4	Design and implement are Commend system.
C4 10.5	Verify the appropriateness of implemented Information Retrieval Technique

**3.1.2 CO-POmatrices of courses selected in 3.1.1(Six matrices to be mentioned; one per semester from 3rd to 8th semester) (5)**

Institute Marks : 5.00

---

1 . course name : C204

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C204.1	2	2	3	-	3	-	-	-	-	1	-	-
C204.2	2	1	2	1	2	-	-	-	-	1	-	-
C204.3	2	2	2	1	2	-	-	-	-	-	-	-
C204.4	2	2	2	1	2	-	-	-	-	1	-	-
C204.5	2	2	3	-	3	-	-	-	-	1	-	-
<b>Average</b>	<b>2.00</b>	<b>1.80</b>	<b>2.40</b>	<b>1.00</b>	<b>2.40</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.00</b>	<b>0.00</b>	<b>0.00</b>

2 . course name : C214

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C214.1	2	1	1	-	-	-	-	-	-	-	-	-
C214.2	2	1	1	-	-	-	-	-	-	-	-	-
C214.3	2	1	1	-	-	-	-	-	-	-	-	-
C214.4	2	1	1	-	-	-	-	-	-	-	-	-
C214.5	3	2	2	-	-	-	-	-	-	-	-	-
<b>Average</b>	<b>2.20</b>	<b>1.20</b>	<b>1.20</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

3 . course name : C302

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C302.1	3	1	2	-	-	-	-	-	-	-	-	-
C302.2	3	1	2	-	-	-	-	-	-	-	-	-
C302.3	3	1	1	-	-	-	-	-	-	-	-	1
C302.4	3	1	2	-	-	-	-	-	-	-	-	-
C302.5	2	1	2	-	-	-	-	-	-	-	-	-
<b>Average</b>	<b>2.80</b>	<b>1.00</b>	<b>1.80</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

4 . course name : C310

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C310.1	2	3	3	2	3	1	2	2	2	3	-	2
C310.2	2	2	3	3	2	3	-	2	1	-	2	3
C310.3	3	2	2	-	1	1	2	3	2	1	3	3
C310.4	2	2	3	2	2	2	1	-	1	2	1	2
C310.5	2	2	3	2	2	2	1	-	1	2	1	2
<b>Average</b>	<b>2.20</b>	<b>2.20</b>	<b>2.80</b>	<b>2.30</b>	<b>2.00</b>	<b>1.80</b>	<b>1.50</b>	<b>2.30</b>	<b>1.40</b>	<b>2.00</b>	<b>1.80</b>	<b>2.40</b>

5 . course name : C401

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C401.1	-	-	-	-	-	-	-	2	2	3	3	2
C401.2	-	-	-	-	-	-	-	2	1	3	3	2
C401.3	-	-	-	-	-	-	-	1	2	2	3	2
C401.4	-	-	-	-	-	-	-	2	2	3	3	2
C401.5	-	-	-	-	-	-	-	2	2	3	3	2
<b>Average</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.80</b>	<b>1.80</b>	<b>2.80</b>	<b>2.80</b>	<b>2.00</b>

## 6 . course name : C410

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C410.1	3 ▾	3 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
C410.2	3 ▾	3 ▾	3 ▾	1 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
C410.3	3 ▾	2 ▾	3 ▾	1 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
C410.4	3 ▾	2 ▾	3 ▾	1 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
C410.5	3 ▾	3 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
<b>Average</b>	<b>3.00</b>	<b>2.60</b>	<b>2.60</b>	<b>1.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.00</b>

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**1 . Course Name : C204**

Course	PSO1	PSO2
C204.1	2 ▾	2 ▾
C204.2	1 ▾	1 ▾
C204.3	2 ▾	2 ▾
C204.4	2 ▾	3 ▾
C204.5	1 ▾	2 ▾
<b>Average</b>	<b>1.60</b>	<b>2.00</b>

**2 . Course Name : C214**

Course	PSO1	PSO2
C214.1	2 ▾	2 ▾
C214.2	2 ▾	2 ▾
C214.3	2 ▾	2 ▾
C214.4	2 ▾	2 ▾
C214.5	2 ▾	3 ▾
<b>Average</b>	<b>2.00</b>	<b>2.20</b>

**3 . Course Name : C302**

Course	PSO1	PSO2
C302.1	1 ▾	2 ▾
C302.2	- ▾	- ▾
C302.3	1 ▾	1 ▾
C302.4	1 ▾	2 ▾
C302.5	2 ▾	1 ▾
<b>Average</b>	<b>1.25</b>	<b>1.50</b>

**4 . Course Name : C310**

Course	PSO1	PSO2
C310.1	2 ▾	1 ▾
C310.2	1 ▾	1 ▾
C310.3	2 ▾	2 ▾
C310.4	1 ▾	1 ▾
C310.5	1 ▾	1 ▾
<b>Average</b>	<b>1.40</b>	<b>1.20</b>

**5 . Course Name : C401**

Course	PSO1	PSO2
C401.1	1 ▾	- ▾
C401.2	1 ▾	- ▾
C401.3	1 ▾	2 ▾
C401.4	- ▾	2 ▾
C401.5	2 ▾	- ▾
<b>Average</b>	<b>1.25</b>	<b>2.00</b>

**6 . Course Name : C410**

Course	PSO1	PSO2
--------	------	------

C410.1	2	▼	2	▼
C410.2	2	▼	3	▼
C410.3	2	▼	3	▼
C410.4	2	▼	3	▼
C410.5	2	▼	2	▼
<b>Average</b>	<b>2.00</b>		<b>2.60</b>	

## 3.1.3 - A Program level Course-PO matrix of all courses INCLUDING first year courses (10)

Institute Marks : 10.00

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C101	0.00	1.8	1.2	1.6	1.25	1	1.4	1.67	3	3.00	1	2.6
C102	3	2.2	1	3	0	2.2	1.25	0	1	1	0	2.2
C103	3	2.4	2.2	2.2	1.6	2.2	2	1.4	1.4	1.33	0	1.8
C104	3	2	2.2	2.3	1	2	1.7	1	1.6	1.4	0	2.2
C105	3	2.8	3	1	1.25	0	0	0	0	0	0	0
C106	3	3	2	1	2.6	2	1	0	0	0	0	3
C107	3	3	3	3	3	1	1	0	2	0	3	0
C108	2.8	2.8	2.2	2	2	2.6	2.4	1.2	1.6	1.8	1.4	2.2
C109	0	1.2	1	1.6	1.2	1	1.2	1.8	3	3	1	2.8
C110	2.8	2.8	2.4	2.4	1	1.4	1	1	1	1.8	1.8	2.4
C111	3	2.2	2.6	2.4	2.8	3	2.4	1.4	1.4	1.8	1.25	2.4
C112	1.6	2.4	2.2	2.5	1.75	2	1	0	0	0	1	1.5
C113	1	2.5	1.8	1.6	2.4	1	1.6	1	2.2	1	1.6	1.8
C114	2.75	2.8	2.5	0	1.25	0	0	0	0	0	0	1.8
C115	3	3	3	3	2.2	3	1.8	1	3	3	1	3
C116	2.2	2.8	1	0	1	0	0	0	0	0	0	1.80
C117	0.60	2.00	1.80	1.60	2.40	0.80	1.60	0.60	2.20	1.00	1.60	1.80
C201	2.6	2.6	2.4	1	0	0	0	0	0	0	1	1
C202	2.8	2.8	2.6	1	0	0	0	0	0	1	0	1
C203	2.6	2.8	3	1	2.4	0	0	0	0	0	1	0
C204	2	1.8	2.4	1	3	0	0	0	0	0	1	0
C205	2.8	2.6	2	0	1	0	0	0	0	1.5	0	0
C206	3	2.6	2.8	0	2.2	0	0	0	0	0	0	0
C207	3	2	2.6	1.4	3	0	0	0	0	0	0	0
C208	3	2.6	2.6	0	2	0	0	0	0	0	0	0
C209	0	0	0	0	0	0	0	0	3	3	1	2.4
C210	2.8	2.8	2.6	0	0	0	0	0	0	0	0	0
C211	2.2	1.2	1.2	0	0	0	0	0	0	0	0	0
C212	2.2	1.2	1.2	0	0	0	0	0	0	0	0	0
C213	2.2	1.2	1.2	0	0	0	0	0	0	0	0	0
C214	2.2	1.2	1.2	0	0	0	0	0	0	0	0	0
C215	0	0	0	0	0	0	2.8	0	0	0	0	0
C216	3	2	2.6	0	2.2	0	0	0	0	0	0	0
C217	3	2	2	0	0	0	0	0	0	0	0	0
C218	0	0	0	0	0	0	0	0	2.6	2.6	1	0
C301	2	1	0	0	0	0	0	0	0	0	0	0
C302	2.8	1.2	1.8	0	0	0	0	0	2	1	0	0
C303	2.4	2.4	2.8	0	0	2	1	0	1.5	0	1	0

C304	2	2	1.2	0	0	0	0	0	0	0	0	0
C305	2.8	1	1.6	0	0	0	0	0	0	2.4	0	0
C306	2	3	3	3	3	2.4	0	0	0	0	0	0
C307	1.5	2.25	2.8	0	2.4	0	0	0	0	0	0	0
C308	2.8	1.8	1.8	0	1.8	0	0	0	0	0	0	0
C309	1.5	1.33	1.20	0	1.8	0	0	0	0	0	0	0
C310	2.2	2.2	2.8	2.25	2	1.8	1.5	2.33	1.4	2	1.75	2.4
C311	3	3	3	2	3	1	0	1	1.2	1	1.4	2
C312	3	2	3	1.6	1.67	1	1	1	1	1	0	1
C313	3	3	3	3	1	2	0	1	0	0	1	1
C314	3	2	3	1	2	1	0	1	1.2	1	1	1
C315	2	2	0	3	0	1	0	1	2	1	1	2
C316	1	2.33	3	2.67	2	1	0	0	0	0	0	0
C317	1	2.33	2.75	2.67	2	1	0	0	2	1	0	0
C318	2.6	2.8	2.6	2.75	2	2	2	1.5	2.67	2	3	1.6
C319	0	0	0	0	0	1	0	0	2	3	0	2
C401	0	0	0	0	0	0	0	1.8	1.8	2.8	2.8	2
C402	2.6	2.6	2.6	1.6	0	1.8	0	0	0	0	0	0
C403	2	3	3	2	0	2	0	0	0	0	0	0
C404	2.2	2	1.8	2.2	0	2	0	0	0	1.8	0	1
C405	1.8	1.6	1.8	0	0	0	0	0	0	2.6	2.8	0
C406	2.8	3	2.8	1.8	0	2.6	0	0	0	0	0	0
C407	2	2.2	2.8	1.8	2.6	2	0	0	0	0	0	0
C408	2.6	2.8	2.6	1.8	0	2.8	0	0	0	0	0	0
C409	0	0	0	0	0	2	1.7	3	2	1.3	0	2.3
C410	2.6	2.6	2.6	1	0	0	0	0	0	0	0	0
C411	2.6	2.8	2.6	2.8	2	2	2	1.5	2.7	2	3	1.6

3.1.3 - B Program level Course-PSO matrix of all courses INCLUDING first year courses

Course	PSO1	PSO2
C101	2.4	2.8
C102	0	0
C103	2.6	1.2
C104	3	3
C105	2.6	1
C106	2	3
C107	3	3
C108	2	3
C109	2.8	1.8
C110	0	0
C111	2	1.8
C112	1.2	1.4
C113	2	2
C114	2.6	1
C115	0	0
C116	2.60	1.00
C117	2.00	2.00
C201	2.2	2

C202	1.75	2
C203	2	1.6
C204	1.6	2
C205	1.8	1.5
C206	1.6	1.6
C207	2	2
C208	1	0
C209	2	2
C210	1	1
C211	2	2
C212	2	2.2
C213	2	2
C214	2	2.2
C215	1.2	1.2
C216	1.8	1.8
C217	3	2
C218	1	1
C301	0	0
C302	1.5	1.33
C303	1	2
C304	1	2
C305	1.5	2
C306	0	0
C307	0	0
C308	2	1
C309	1.40	1.20
C310	1.4	1.2
C311	1	2
C312	1	1.8
C313	2	1.25
C314	1	2
C315	1.33	1.33
C316	1.6	1.8
C317	1.67	2.25
C318	1.6	1.8
C319	1.5	1.33
C401	1.25	2
C402	1	1.5
C403	1.33	1
C404	1.25	1.5
C405	1.5	1.25
C406	1.5	0
C407	2	2.2
C408	1.8	1.6
C409	0	0
C410	2	2.6
C411	1.6	1.8

**3.2 Attainment of Course Outcomes (50)**



**3.2.1 Describe the assessment processes used to gather the data upon which the evaluation of Course Outcome is based (10)**

**A. LIST OF ASSESSMENT PROCESSES**

The Course Outcomes are Formulated for each Course in the Curriculum by the respective Course In-Charge. To evaluate the attainment of COs, the following Procedure are used:

**Direct Assessment:**

- 1.Theory Courses taught for Evaluated by Periodic Internal Test
- 2.Lab Courses are Conducted by Specific Courses and Assessed Continuously.
3. Course Based Project work guided and reviewed.
- 4.Theory Courses ( Semester University Examination)
- 5.Lab Courses (External University Practical Examination)
6. Course Based Final Project Work

**In-Direct Assessment:**

- 1.Course Exit Survey
- 2.Alumni Feedback

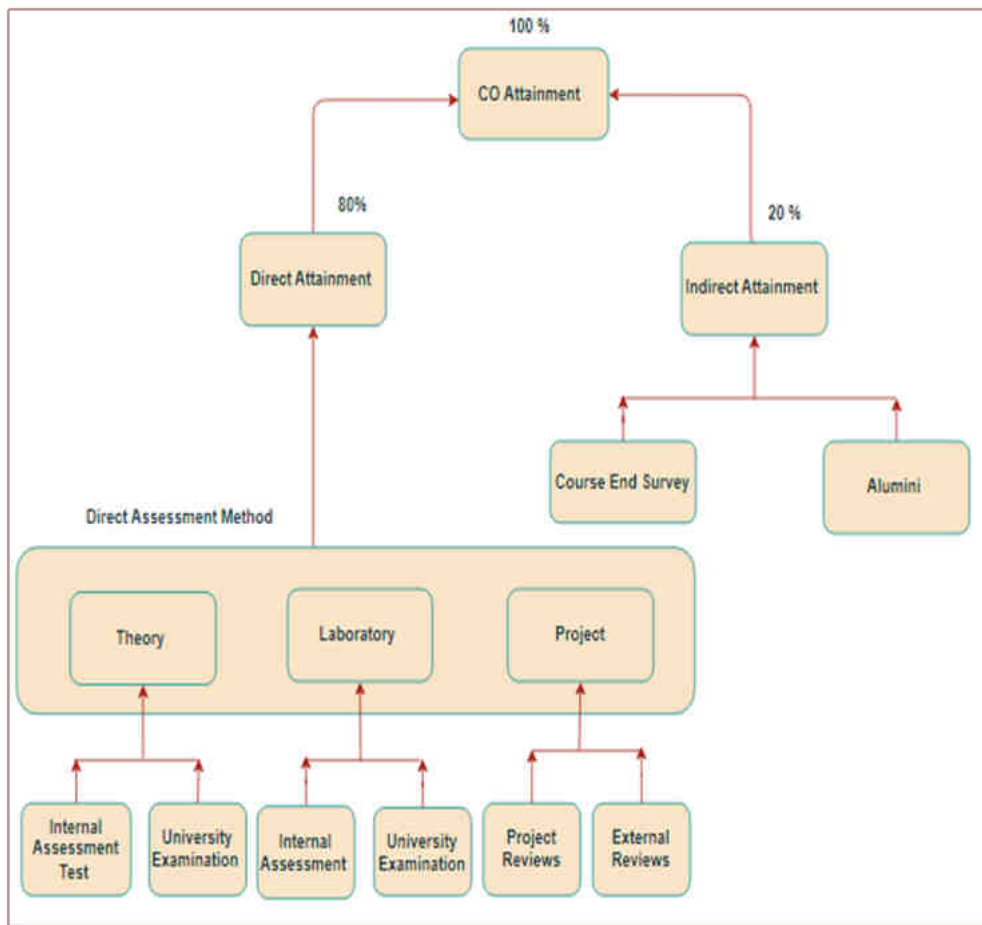


Figure:3.1 CO Attainment of Assessment Process

**B.The Quality Relevance of assessment Processes & tools used**

**Direct Assessment Methods -80%**

Assessment Process	Evaluation
	Theory

<p><b>Internal Assessment Tests</b></p>	<p>1. The Department will conduct three Internal Assessments Test. 2. The three internal assessment tests will be conducted for 50 marks.</p> <p>The assessment process considers the marks scored in 3 internal Assessment Tests.</p> <p><b><u>CO attainments are calculated based on Internal Marks using</u></b></p> <p>1. If the student scores <math>\geq 60\%</math>, <b>attainment</b> level is <b>3</b>. 2. If the student scores between <math>&gt;50\%</math> and <math>&lt;59\%</math>, <b>attainment</b> level is <b>2</b> 3. If the student scores <math>&lt;50\%</math>, attainment level is <b>1</b>.</p> <p>The CO attainment is calculated based on the average CO's obtained for all questions</p>
<p><b>University Exam</b></p>	<ul style="list-style-type: none"> <li>Semester End examinations are metrics for assessing whether all the POs are attained or not. The examinations are more focused on the att outcomes and program outcomes using a descriptive exam.</li> </ul> <p><b><u>CO attainments are calculated based on Internal Marks using</u></b></p> <p>1. If the student scores <math>\geq 60\%</math>, <b>attainment</b> level is <b>3</b>. 2. If the student scores between <math>&gt;50\%</math> and <math>&lt;59\%</math>, <b>attainment</b> level is <b>2</b> 3. If the student scores <math>&lt;50\%</math>, attainment level is <b>1</b>.</p>
<b>Laboratory</b>	
<p><b>Internal Assessment</b></p>	<p>1. To evaluate students' practical knowledge with their programming level capabilities, during laboratory hours evaluation is done and rec 2. The evaluation of courses done by the laboratory In- Charge(s) based on predefined metrics. 3. Based on the laboratory reports, practical test and the performance of the students, the Internal assessment marks shall be awarded on th parameters: Observation, Record and Internal Tests-20 Marks</p> <p><b><u>CO attainments are calculated based on Internal Marks using</u></b></p> <ul style="list-style-type: none"> <li>If the student scores <math>\geq 80\%</math>, <b>attainment</b> level is <b>3</b>.</li> <li>If the student scores between <math>&gt;50\%</math> and <math>&lt;79\%</math>, <b>attainment</b> level is <b>2</b></li> <li>If the student scores <math>&lt;50\%</math>, attainment level is <b>1</b>.</li> </ul>
<p><b>University Exam</b></p>	<p>1. Semester End examinations are metric for assessing whether all the POs are attained or not. Examination is more focused on attainment and program outcomes using a Practical exam– 80 Marks</p> <p><b><u>CO attainments are calculated based on University Exam using</u></b></p> <ul style="list-style-type: none"> <li>If the student scores <math>\geq 80\%</math>, <b>attainment</b> level is <b>3</b>.</li> <li>If the student scores between <math>&gt;50\%</math> and <math>&lt;79\%</math>, <b>attainment</b> level is <b>2</b></li> <li>If the student scores <math>&lt;50\%</math>, attainment level is <b>1</b>.</li> </ul>
<b>Project</b>	
<p><b>Reviews conducted by</b></p> <p><b>1.Project Coordinators</b></p> <p><b>2.Supervisors</b></p>	<ul style="list-style-type: none"> <li>Project work is evaluated by conducting reviews periodically, and procedure is followed for evaluation. The average of all the three reviews is marked as their internal marks</li> <li>Three reviews will be conducted and the students will be reviewed by a panel of Project coordinator and internal project guide.</li> </ul> <p><b><u>CO attainments are calculated based on Internal Reviews using</u></b></p> <ul style="list-style-type: none"> <li>If the student scores <math>\geq 80\%</math>, <b>attainment</b> level is <b>3</b>.</li> <li>If the student scores between <math>&gt;50\%</math> and <math>&lt;79\%</math>, <b>attainment</b> level is <b>2</b></li> <li>If the student scores <math>&lt;50\%</math>, attainment level is <b>1</b>.</li> </ul>
<p><b>External Reviewers</b></p>	<ul style="list-style-type: none"> <li>Project Viva voce is conducted by the panel of external examiners deputed controller of examination by the University.</li> <li>External Examiner will examine the students and awarded the marks to the students and submitted to university.</li> <li>The Project coordinator and internal project guide encourage the student to publish in national/international conference and Scopus indexed journal</li> <li>For project Evaluation assessment process consider the marks scored in Review0, Review1, Review3 (internal - 20) and External Reviewer ( 80)</li> </ul> <p><b><u>CO attainments are calculated based on External Reviews using</u></b></p> <ul style="list-style-type: none"> <li>If the student scores <math>\geq 80\%</math>, <b>attainment</b> level is <b>3</b>.</li> <li>If the student scores between <math>&gt;50\%</math> and <math>&lt;79\%</math>, <b>attainment</b> level is <b>2</b></li> <li>If the student scores <math>&lt;50\%</math>, attainment level is <b>1</b>.</li> </ul>
<b>Indirect Assessment Methods -20%</b>	
<b>Students Feedback or Course End Survey</b>	


Based on the Course Outcomes a questionnaire is prepared for each course by the in charge at the end of the semester which is given to the students to get their eachcourse. This can be evaluated for the Indirect attainment (As this can help respective Subject In charge to Improve their teaching methodology)

**Co attainments are Graded based on Levels using**


High-3

Moderate-2

Low-1



**AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING**  
**DEPARTMENT OF INFORMATION TECHNOLOGY**



**CIRCULAR**


**AMSCE/IT/CIRCULAR/001/2022-23**

**01/03/2023**

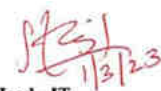
1. Internal Assessment Test 1(3<sup>rd</sup> & 4<sup>th</sup> year ) and Class Test 1(2<sup>nd</sup> year ) will be conducted from 07.03.2023 to 16.03.2023
2. Faculty Members are requested to submit question papers on or before 04/03/2023
3. Syllabus coverage will be 1.5 units (Total 1.5 Units) - 3<sup>rd</sup> & 4<sup>th</sup> year
4. Syllabus coverage will be 1 unit (Total 1 Unit) - 2<sup>nd</sup> year
5. Examination Time: 9.00 A.M to 10.30 A.M (3<sup>rd</sup> & 4<sup>th</sup> year ) & 9.00 A.M to 10.00 A.M (2<sup>nd</sup> year )
6. Question pattern:

S. No.	Year	Part A	Part B	Part C	Total marks
1	II	5X2=10	2X10=20	NIL	30
2	III	5X2=10	2X13=26	1X14=14 Case Studies	50
3	IV	5X2=10	2X13=26	1X14=14 Case Studies	50

7. Faculty members have to submit 1 soft copy to Dept. Exam co-coordinator.  
Email to -it@aalimec.ac.in
8. Paper correction work must be completed within three days after completion of the test.
9. Blooms Taxonomy Action Verbs should be used.




**Dept. Exam Coordinator**  
Copy to:-  
Principal  
File - Faculty Incharge  
Circulate to all faculty members  
Circulate to all staff members  
To be read in I, II, III, IV years  
Department file



**Head - IT**


Figure:3.1 Internal Assessment Test Circular

Reg. No: \_\_\_\_\_



**AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING**  
**DEPARTMENT OF INFORMATION TECHNOLOGY**  
**INTERNAL ASSESSMENT-I, April 2023**  
 (Regulations R 2017)

Subject Code : IT8601  
 Subject Title : COMPUTATIONAL INTELLIGENCE  
 Dept / Year / Sem : IT / III / VI



**Time: 1hr. 30 Min.** **Maximum : 50 Marks**  
Date: 07.03.2023

**Answer ALL Questions**  
**PART - A (5 \* 2 = 10 Marks)**

1. Define Computational Intelligence? BL-1, CO1
2. Distinguish between Intelligent Agent and Rational Agent? BL-2, CO1
3. Show the meaning of Heuristic Search? BL-3, CO1
4. Write down the Properties of Search Algorithm with one example? BL-3, CO1
5. List out two major categories of Searching Techniques? BL-2, CO1

**PART - B (2 \* 13 = 26 Marks)**

6. A) Is AI Science or Engineering? Neither or both? Explain History of AI? (13) BL-2, CO1

**(OR)**

6. B) Explain briefly about Breadth First search technique with the suitable example? (13) BL-4, CO1
7. A) How the informed Search is better than Uninformed Search? Explain in detail? (13) BL-3, CO1

**(OR)**

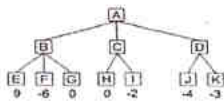
7. B) Discuss any one Classification of Heuristic Search Algorithms with examples? (13) BL-2, CO1

**PART - C (1 \* 14 = 14 Mark)**

8. A) Explain in detail about Alpha-Beta Pruning Technique? (14) BL-3, CO1

**(OR)**

8. B) Consider a two player game in which the mini-max search procedure is used to compute the best moves for the first player. Assume a static evaluation function that returns values ranging from -10 to 10, with 10 indicating a win for the first player and -10 a win for the second player. Assume the following game tree in which the static scores are from the first player 's point of view. Suppose the first player is the maximizing player and needs to make the next move. What move should be chosen at this point? Can the search be optimized? (14) BL-5, CO1



Prepared By  
*M/S*  
4/3/23

Verified By  
*M/S*  
4/3/23

Approved By  
*M/S*  
4/3/23

Figure:3.2. Internal Assessment Test Question Paper

ANNA UNIVERSITY: CHENNAI 600 025



BONA FIDE CERTIFICATE

Certified that this project report "GESTICULATION OF HANDS INTO TRANSCRIPT TRANSLATOR" is the bonafide work of "SOMA LAKSHMYS ,VISHWAPRIYA,K"who carried out project work under my supervision.

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Figure:3.3 Final Year Project Report-2018-2022


**AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING**  
 "Nizara Educational Campus," Muthapudupet, IAF-Avadi  
 Chennai - 600 055  
**ALUMNI FEEDBACK FORM**


As a part of Continuous Quality Improvement, your Feedback is valuable as it helps us to develop and improve our standards on Facilities and Services.

Name of the Alumnus (Optional): Salman Ahamed - J  
 Batch: 2018-2022  
 Department: IT  
 Phone Number: 7702718902  
 Email ID: 11011805011@alumni-ac.in

PARAMETERS	Excellent	Very Good	Good	Average	Below Average
How do you rate your learning process at College?		<input checked="" type="checkbox"/>			
Technical knowledge obtained during your period of study.	<input checked="" type="checkbox"/>				
How do you rate the teaching process in the Institution?		<input checked="" type="checkbox"/>			
How do you rate the Extra-curricular activities in the Institution?	<input checked="" type="checkbox"/>				
How do you rate the Co-curricular activities in the Institution?	<input checked="" type="checkbox"/>				
Faculty - Student interaction.		<input checked="" type="checkbox"/>			
Overall discipline.	<input checked="" type="checkbox"/>				
Your opinion about placement and training.		<input checked="" type="checkbox"/>			
Transport facility during your studies.	<input checked="" type="checkbox"/>				
Hostel facilities.		<input checked="" type="checkbox"/>			
How do you rate the relevance of the training given in the College to your present job?		<input checked="" type="checkbox"/>			
Counseling and guidance provided for the Students.	<input checked="" type="checkbox"/>				
<b>How do you rate the facilities provided in the Institution?</b>					
* Laboratories/Equipments	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
* Library	<input checked="" type="checkbox"/>				
* Computers/Internet	<input checked="" type="checkbox"/>				
Overall assessment					

Employment Details:

\* How will you talk about the Institution?  
 (a) Proudly  
 (b) Satisfactory  
 (c) Not Satisfactory

\* Three aspects you appreciate the most:  
 1. Learning environment  
 2. Infrastructure facility.


  
 Signature

Figure:3.4 Alumni Feedback Form

Evaluation of Marks based on the Assessments

	Assessments	Assessments%	Semester	Internal%	External%	Total %
2018 -2022	Direct	80	Odd	20	80	100
			Even	20	80	100
	Indirect	20	Odd	20		
			Even	20		

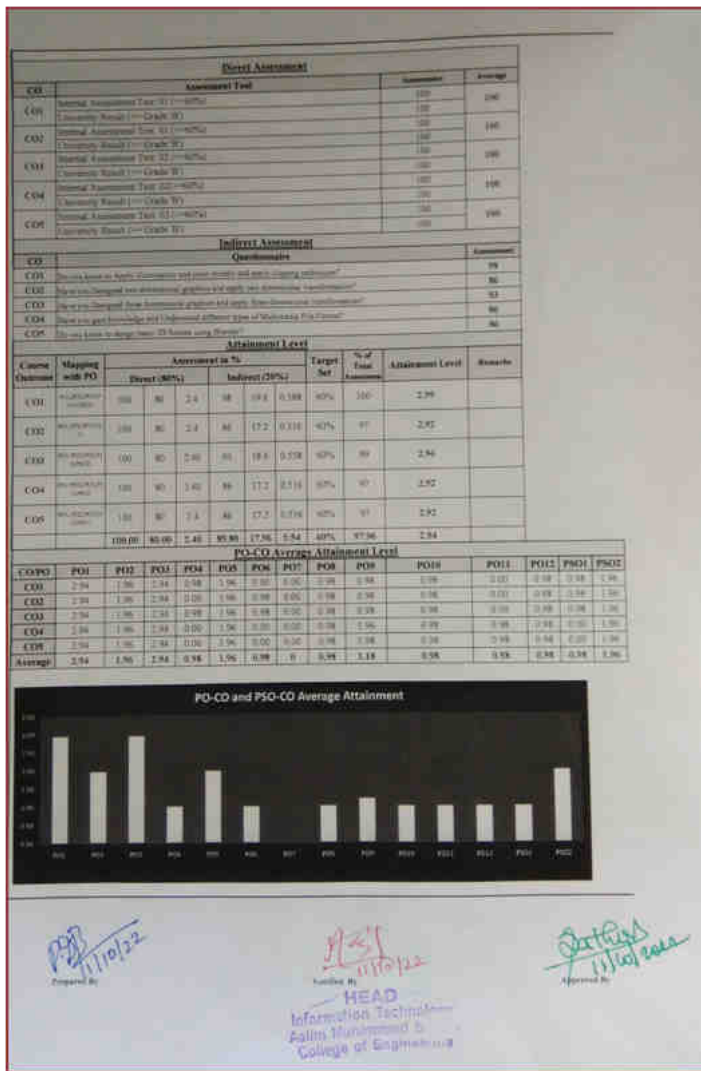


Figure:3.5 Direct and Indirect Attainment of PO,PSO-CO Mapping

3.2.2 Record the attainment of Course Outcome of all courses with respect to set attainment levels (40)

Institute Marks : 40.00

Verify the attainment levels as per the bench mark set for all courses

The Direct CO attainment level is given below:

Table 3.2.2.1.CO attainment levels using direct assessment tools for 2018-2022 Batch

COURSES/ COs	DIRECT ASSESSMENT				
	ATTAINMENT OF COs				
	CO1	CO2	CO3	CO4	CO5
<b>I SEMESTER</b>					
<b>C101</b>	3	3	3	3	3
<b>C102</b>	2.56	2.56	2.36	2.36	2.56
<b>C103</b>	2.11	2.11	1.91	1.91	2.11
<b>C104</b>	2.57	2.57	2.38	2.38	2.66
<b>C105</b>	2.62	2.62	2.62	2.62	2.62
<b>C106</b>	2.94	2.94	2.94	2.94	2.94
<b>C107</b>	3	3	3	3	3
<b>C108</b>	3	3	3	3	3
<b>II SEMESTER</b>					
<b>C109</b>	3	3	3	3	3
<b>C110</b>	2.78	2.78	2.78	2.78	2.87
<b>C111</b>	2.5	2.5	2.5	2.5	2.5
<b>C112</b>	2.24	2.24	2.24	2.24	2.24
<b>C113</b>	2.56	2.56	2.56	2.56	2.56
<b>C114</b>	2.15	2.15	2.44	2.44	2.44
<b>C115</b>	2.94	2.94	2.94	2.94	2.94
<b>C116</b>	3	3	3	3	3
<b>C117</b>	3	3	3	3	3
<b>C118</b>	2.94	2.94	2.94	2.94	2.94
<b>III SEMESTER</b>					
<b>C201</b>	2.38	2.38	2.38	2.38	2.38



<b>C202</b>	2.78	2.78	2.78	2.78	2.78
<b>C203</b>	2.51	2.51	2.42	2.42	2.51
<b>C204</b>	2.68	2.68	2.68	2.68	2.68
<b>C205</b>	2.94	2.94	2.94	2.94	2.94
<b>C206</b>	3	3	3	3	3
<b>C207</b>	3	3	3	3	3
<b>C208</b>	3	3	3	3	3
<b>C209</b>	3	3	3	3	3
<b>IV SEMESTER</b>					
<b>C210</b>	2.23	2.23	2.23	2.23	2.23
<b>C211</b>	2.7	2.7	2.7	2.7	2.7
<b>C212</b>	2.23	2.23	2.23	2.23	2.23
<b>C213</b>	2.34	2.34	2.34	2.34	2.34
<b>C214</b>	2.62	2.62	2.62	2.62	2.62
<b>C215</b>	2.78	2.78	2.78	2.78	2.78
<b>C216</b>	3	3	3	3	3
<b>C217</b>	3	3	3	3	3
<b>C218</b>	3	3	3	3	3
<b>V SEMESTER</b>					
<b>C301</b>	2.08	2.08	2.08	2.08	2.08
<b>C302</b>	2.51	2.51	2.51	2.51	2.51
<b>C303</b>	2.29	2.29	2.29	2.29	2.29
<b>C304</b>	2.12	2.12	2.12	2.12	2.12
<b>C305</b>	2.29	2.29	2.29	2.29	2.29
<b>C306</b>	2.78	2.78	2.78	2.78	2.78

<b>C307</b>	3	3	3	3	3
<b>C308</b>	3	3	3	3	3
<b>C309</b>	3	3	3	3	3
<b>VI SEMESTER</b>					
<b>C310</b>	3	3	3	3	3
<b>C311</b>	3	3	3	3	3
<b>C312</b>	3	3	3	3	3
<b>C313</b>	3	3	3	3	3
<b>C314</b>	3	3	3	3	3
<b>C315</b>	3	3	3	3	3
<b>C316</b>	3	3	3	3	3
<b>C317</b>	3	3	3	3	3
<b>C318</b>	3	3	3	3	3
<b>C319</b>	3	3	3	3	3
<b>VII SEMESTER</b>					
<b>C401</b>	3	3	3	3	3
<b>C402</b>	3	3	3	3	3
<b>C403</b>	3	3	3	3	3
<b>C404</b>	3	3	3	3	3
<b>C405</b>	3	3	3	3	3
<b>C406</b>	3	3	3	3	3
<b>C407</b>	2.91	2.91	2.91	2.91	3
<b>C408</b>	2.59	2.59	2.91	2.91	3
<b>VIII SEMESTER</b>					
<b>C409</b>	3	3	3	3	3

<b>C410</b>	3	3	3	3	3
<b>C411</b>	3	3	3	3	

**B.The Indirect attainment level for is given below:**

**Table3.2.2.2.CO attainment levels using Indirect Assessment tools.**

COURSES/ COs	INDIRECT ASSESSMENT				
	ATTAINMENT OF COs				
	CO1	CO2	CO3	CO4	CO5
<b>I SEMESTER</b>					
<b>C101</b>	2.64	2.37	2.46	2.58	2.43
<b>C102</b>	2.58	2.52	2.64	2.46	2.85
<b>C103</b>	2.46	2.64	2.37	2.31	2.52
<b>C104</b>	2.43	2.49	2.22	2.61	2.67
<b>C105</b>	2.58	2.73	2.43	2.52	2.58
<b>C106</b>	2.52	2.43	2.79	2.37	2.58
<b>C107</b>	2.49	2.55	2.79	2.43	2.34
<b>C108</b>	2.46	2.67	2.58	2.58	2.58
<b>II SEMESTER</b>					
<b>C108</b>	2.52	2.43	2.46	2.79	2.64
<b>C109</b>	2.43	2.37	2.52	2.37	2.67
<b>C110</b>	2.64	2.64	2.73	2.52	2.52
<b>C111</b>	2.67	2.52	2.46	2.43	2.64
<b>C112</b>	2.52	2.58	2.58	2.31	2.64
<b>C113</b>	2.52	2.46	2.46	2.58	2.43
<b>C114</b>	2.52	2.43	2.37	2.46	2.52
<b>C115</b>	2.43	2.52	2.64	2.37	2.52
<b>C116</b>	2.52	2.58	2.64	2.46	2.46
<b>C117</b>	2.52	2.43	2.46	2.79	2.64
<b>III SEMESTER</b>					
<b>C201</b>	2.52	2.61	2.49	2.58	2.43
<b>C202</b>	2.46	2.64	2.46	2.55	2.46
<b>C203</b>	2.46	2.64	2.46	2.55	2.46
<b>C204</b>	2.46	2.64	2.46	2.55	2.46
<b>C205</b>	2.49	2.64	2.49	2.58	2.46
<b>C206</b>	2.73	2.49	2.73	2.58	2.73
<b>C207</b>	2.67	2.49	2.73	2.58	2.73
<b>C208</b>	2.67	2.49	2.73	2.58	2.73
<b>C209</b>	2.67	2.49	2.73	2.58	2.73
<b>IV SEMESTER</b>					
<b>C210</b>	2.55	2.49	2.58	2.64	2.49
<b>C211</b>	2.76	2.49	2.79	2.55	2.64
<b>C212</b>	2.76	2.58	2.82	2.76	2.76
<b>C213</b>	2.67	2.49	2.67	2.55	2.64

<b>C214</b>	2.58	2.55	2.64	2.49	2.58
<b>C215</b>	2.64	2.58	2.67	2.46	2.55
<b>C216</b>	2.67	2.55	2.67	2.55	2.67
<b>C217</b>	2.67	2.55	2.67	2.55	2.67
<b>C218</b>	2.67	2.55	2.67	2.55	2.67
<b>V SEMESTER</b>					
<b>C301</b>	2.67	2.49	2.73	2.58	2.73
<b>C302</b>	2.67	2.46	2.67	2.55	2.67
<b>C303</b>	2.58	2.55	2.67	2.37	2.58
<b>C304</b>	2.67	2.49	2.73	2.58	2.73
<b>C305</b>	2.67	2.49	2.73	2.58	2.73
<b>C306</b>	2.67	2.49	2.73	2.58	2.73
<b>C307</b>	2.67	2.52	2.7	2.61	2.76
<b>C308</b>	2.67	2.52	2.7	2.61	2.76
<b>C309</b>	2.67	2.52	2.7	2.61	2.76
<b>VI SEMESTER</b>					
<b>C310</b>	2.67	2.49	2.73	2.58	2.73
<b>C311</b>	2.67	2.49	2.73	2.58	2.73
<b>C312</b>	2.67	2.49	2.73	2.58	2.73
<b>C313</b>	2.67	2.49	2.73	2.58	2.73
<b>C314</b>	2.67	2.49	2.73	2.58	2.73
<b>C315</b>	2.67	2.49	2.73	2.58	2.73
<b>C316</b>	2.67	2.49	2.73	2.58	2.73
<b>C317</b>	2.67	2.49	2.73	2.58	2.73
<b>C318</b>	2.67	2.49	2.73	2.58	2.73
<b>C319</b>	2.67	2.49	2.73	2.58	2.73
<b>VII SEMESTER</b>					
<b>C401</b>	2.55	2.58	2.46	2.49	2.4
<b>C402</b>	2.4	2.73	2.49	2.58	2.49
<b>C403</b>	2.91	2.94	2.91	2.91	2.88
<b>C404</b>	2.46	2.55	2.31	2.58	2.4
<b>C405</b>	2.49	2.64	2.49	2.55	2.4
<b>C406</b>	2.49	2.64	2.49	2.58	2.46
<b>C407</b>	2.58	2.73	2.49	2.58	2.49
<b>C408</b>	2.49	2.64	2.49	2.58	2.46
<b>VIII SEMESTER</b>					
<b>C409</b>	2.55	2.4	2.58	2.58	2.55
<b>C410</b>	2.73	2.49	2.73	2.49	2.64
<b>C411</b>	2.67	2.49	2.64	2.58	2.73

The Total CO attainment level for is given below:

Table3.2.2.3.Final CO attainment levels of all course outcomes.

COURSES/ COs	FINAL ASSESSMENT				
	ATTAINMENT OF COs				
	CO1	CO2	CO3	CO4	CO5
<b>I SEMESTER</b>					
C101	2.93	2.87	2.89	2.92	2.89
C102	2.56	2.55	2.42	2.38	2.62
C103	2.18	2.22	2	1.99	2.19
C104	2.54	2.55	2.35	2.43	2.66
C105	2.61	2.64	2.58	2.6	2.61
C106	2.86	2.84	2.91	2.83	2.87
C107	2.9	2.91	2.96	2.89	2.87
C108	2.89	2.93	2.92	2.92	2.92
<b>II SEMESTER</b>					
C109	2.9	2.89	2.89	2.96	2.93
C110	2.71	2.7	2.73	2.7	2.83
C111	2.53	2.53	2.55	2.5	2.5
C112	2.33	2.3	2.28	2.28	2.32
C113	2.55	2.56	2.56	2.51	2.58
C114	2.22	2.21	2.44	2.47	2.44
C115	2.86	2.84	2.83	2.84	2.86
C116	2.89	2.9	2.93	2.87	2.9
C117	2.9	2.92	2.93	2.89	2.89
<b>III SEMESTER</b>					
C201	2.41	2.43	2.4	2.42	2.39
C202	2.72	2.75	2.72	2.73	2.72
C203	2.5	2.54	2.43	2.45	2.5
C204	2.64	2.67	2.64	2.65	2.64

<b>C205</b>	2.85	2.88	2.85	2.87	2.84
<b>C206</b>	2.95	2.9	2.95	2.92	2.95
<b>C207</b>	2.93	2.9	2.95	2.92	2.95
<b>C208</b>	2.93	2.9	2.95	2.92	2.95
<b>C209</b>	2.93	2.9	2.95	2.92	2.95
<b>IV SEMESTER</b>					
<b>C210</b>	2.29	2.28	2.3	2.31	2.28
<b>C211</b>	2.71	2.66	2.72	2.67	2.69
<b>C212</b>	2.34	2.3	2.35	2.34	2.34
<b>C213</b>	2.41	2.37	2.41	2.38	2.4
<b>C214</b>	2.61	2.61	2.62	2.59	2.61
<b>C215</b>	2.75	2.74	2.76	2.72	2.73
<b>C216</b>	2.93	2.91	2.93	2.91	2.93
<b>C217</b>	2.93	2.91	2.93	2.91	2.93
<b>C218</b>	2.93	2.91	2.93	2.91	2.93
<b>V SEMESTER</b>					
<b>C301</b>	2.2	2.16	2.21	2.18	2.21
<b>C302</b>	2.54	2.5	2.54	2.52	2.54
<b>C303</b>	2.35	2.34	2.37	2.31	2.35
<b>C304</b>	2.23	2.19	2.24	2.21	2.24
<b>C305</b>	2.37	2.33	2.38	2.35	2.38
<b>C306</b>	2.76	2.72	2.77	2.74	2.77
<b>C307</b>	2.93	2.9	2.94	2.92	2.95
<b>C308</b>	2.93	2.9	2.94	2.92	2.95
<b>C309</b>	2.93	2.9	2.94	2.92	2.95
<b>VI SEMESTER</b>					

<b>C310</b>	2.93	2.9	2.95	2.92	2.95
<b>C311</b>	2.93	2.9	2.95	2.92	2.95
<b>C312</b>	2.93	2.9	2.95	2.92	2.95
<b>C313</b>	2.93	2.9	2.95	2.92	2.95
<b>C314</b>	2.93	2.9	2.95	2.92	2.95
<b>C315</b>	2.93	2.9	2.95	2.92	2.95
<b>C316</b>	2.93	2.9	2.95	2.92	2.95
<b>C317</b>	2.93	2.9	2.95	2.92	2.95
<b>C318</b>	2.93	2.9	2.95	2.92	2.95
<b>C319</b>	2.93	2.9	2.95	2.92	2.95
<b>VII SEMESTER</b>					
<b>C401</b>	2.91	2.92	2.89	2.9	2.88
<b>C402</b>	2.88	2.95	2.9	2.92	2.9
<b>C403</b>	2.98	2.99	2.98	2.98	2.98
<b>C404</b>	2.89	2.91	2.86	2.92	2.88
<b>C405</b>	2.9	2.93	2.9	2.91	2.88
<b>C406</b>	2.9	2.93	2.9	2.92	2.89
<b>C407</b>	2.84	2.87	2.83	2.84	2.9
<b>C408</b>	2.57	2.6	2.83	2.84	2.89
<b>VIII SEMESTER</b>					
<b>C409</b>	2.91	2.88	2.92	2.92	2.91
<b>C410</b>	2.95	2.9	2.95	2.9	2.93
<b>C411</b>	2.93	2.9	2.93	2.92	2.95

### 3.3.1 Describe the assessment tools and processes used for measuring the attainment of each of the Program Outcomes and Program Specific Outcomes (10)

Institute Marks : 10.00

#### 3.3.1 Describe Assessment Tools and Processes Used for Measuring the Attainment of Each of the Program Outcomes and Program Specific Outcomes

##### A. List of assessment tools& processes

The evaluation of attainment of POs & PSOs is based on direct assessment tools as well as indirect assessment tools. Direct assessment of POs & PSOs is based on the student's performance in both internal tests and university examinations for all courses. Performance of the students in different assessments such as internal tests and university exams lead to attainment of COs and then turn leads to attainment of POs & PSOs attainment based on the mappings of COs to Pos and PSOs.

To evaluate the attainment of POs/PSOs, the following tools are used as follows:

##### 1. Direct Assessment tools:

###### A. Internal Evaluation Pattern

1. Theory(3 Internal Assessment)
2. Laboratory (Model, Record, Observation)
3. Project work(3 reviews)

###### B. University Exams Pattern

1. Theory Courses (End Semester Examination)
2. Lab Courses (Practical Assessment)
3. Project work (Viva-Voce).

##### 2. Indirect Assessment Tools

1. Course End Survey.

##### B. The Quality/Relevance of Assessment Tools/Processes Used:

Based on the assessments, the level of effectiveness is calculated on a regular basis which includes. The IA marks and EA marks include internal theory and Model laboratory examinations, external theory examinations, and laboratory examinations.

1. Course out comes are prepared by faculties and will be assessed by Department Academic Committee(DAC)
2. DAC committee assesses set of courses for Pos and sets the target level of each PO.
3. Direct assessment tools are used for assessing the PO based on IA.
- 4.The process of the direct assessment system is established by the council of members and it is monitored and guided by the DAC committee.
5. Indirect assessment tools are used for assessing Pos through a Course end surveys at the end of the program.

##### Steps to Evaluate the Quality Assessment Tools Used:

###### Step 1 : Direct Assessment

POs and PSOs attainment at course level is calculated by taking the average of arithmetic multiplication of course outcomes attainment levels and CO-PO matrix.

Average of (each CO-PO mapping x CO attainment levels)

CO-PO Attainment Level = Total PO Mapping Points

###### Step2: Indirect Assessment

Course End Survey

###### Step3: Overall Attainment of POs and PSOs including Direct and Indirect Survey:

Attainment of POs and PSOs = 80% of Direct Assessment + 20% of InDirect Assessment

(0.8\* Direct PO attainment + 0.2 \* InDirect PO attainment )

### 3.3.2 Provide results of evaluation of PO&PSO (40)

Institute Marks : 40.00

#### PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C101	0	0	0	0	0	0	0	1	1	3	0	1.6
C102	2.48	1.82	0	2.48	0	1.82	0	0	0	0	1.82	2.48
C103	0.81	0.68	1.36	1.36	0.68	0.68	1.08	0	0.81	0.68	0	1.08
C104	1.88	1.68	0	0	0	0.84	1.26	0	1.68	0	0	1.68



C105	2.62	2.62	2.62	0	2.62	0	0	0	0	0	0.87	2.62
C106	2.94	2.94	1.96	0.98	2.55	1.96	0	0	0.98	0	0	2.94
C107	3	3	3	0	3	0	0	0	1	2	1	3
C108	2	1	1	1	2	1	1.2	0	1	1	1.5	1
C109	0	0	0	0	0	0	0	1	1.25	3	0	1.2
C110	2.61	2.61	0	2.42	0	0.93	1.58	0	0	0	0	2.24
C111	1.33	1	1.66	1.16	0.83	0.83	0.83	0	0.83	1.33	0.83	1.66
C112	1.2	1.8	1.65	1.87	1.31	1.5	0.75	0	0	0	0.75	1.12
C113	0.85	2.13	1.53	1.36	2.04	0.85	1.36	0.85	1.87	0.85	1.36	1.53
C114	0.77	1.93	1.39	1.24	1.86	0.77	1.24	0.77	1.7	0.77	1.24	1.39
C115	2.94	2.94	2.94	2.94	2.16	2.94	1.76	0.98	2.94	2.94	0.98	2.94
C116	3	3	3	0	3	0	0	0	1	2	1	3
C117	0.6	2	1.8	1.6	2.4	0.8	1.6	0.6	2.2	1	1.6	1.8
C201	2.38	2.38	1.58	1.27	2.14	1.11	0	0	0	0.95	1.43	2.38
C202	2.41	1.86	2.41	1.16	1.86	0.93	0	0	0	1.67	1.67	1.48
C203	2.47	2.47	2.47	0.82	0	0	0	0	0	0	0.82	2.47
C204	2.68	2.68	2.68	0	2.68	0	0	0	0	0	0.89	2.68
C205	2.74	2.55	1.96	0	0.98	0	0	0	0	1.47	0	0
C206	3	3	3	0	3	0	0	0	0	0	1	0
C207	3	3	3	1.4	3	0	0	0	0	0	1	3
C208	2.8	3	1.8	2	1.2	1	0	0	0	1	1.2	1
C209	0	0	0	0	0	0	0	0	3	3	1	2.4
C210	2.23	2.23	2.08	2.23	1.49	1.79	0.74	0	2.08	0.74	2.23	2.23
C211	1.98	1.08	1.08	0	0	0	0	0	0	0	0	0
C212	1.64	0.89	0.89	0	0	0	0	0	0	0	0	0
C213	1.72	0.94	0.94	0	0	0	0	0	0	0	0	0
C214	2.62	2.62	1.74	0	0	0	0	0	0	0	0.87	0.87
C215	0.93	1.21	1.21	1.58	1.86	1.69	1.21	0.93	0	0	0.93	2.23
C216	3	2	2.6	0	2.2	0	0	0	0	0	0	0
C217	3	2	2	0	0	0	0	0	0	0	0	0
C218	0	0	0	0	0	0	0	0	2.6	2.6	1	0
C301	2.08	2.08	2.08	1.94	1.66	0.97	0	0	0	0	1.25	1.66
C302	2.51	1.67	1.5	0	0	0	0	0	0	0	0.84	0.84
C303	1.53	1.53	1.53	1.22	1.22	0.76	0.76	0	0.76	1.22	0	0.92
C304	1.42	1.42	0.85	0	0	0	0	0	0	0	0	0
C305	2.14	0.76	1.22	0	0	0	0	0	0	1.83	0	0
C306	2.78	2.78	2.78	2.78	2.78	2.78	0	0	0	0	0	2.78
C307	2.2	2.8	2	2.6	2.2	1.6	1.6	0	0	2.8	1.2	2.8
C308	0	0	0	0	0	0	0	0	0	0	0	0
C309	1.5	1.33	1.2	0	1.8	0	0	0	0	0	0	0
C310	2.2	2.2	2.8	2.3	2	1.8	1.5	2.3	1.4	2	1.8	2.4
C311	3	3	3	2	3	1	0	1	1.2	1	1.4	2
C312	2	1.8	2.4	1.2	1.50	1.7	0	0	0	1	1.7	1.6
C313	3	3	3	3	1	2	0	1	0	0	1	1
C314	3	2	3	1	2	1	0	1	1.2	1	1	1
C315	2	2	0	3	0	1	0	1	2	1	1	2
C316	1	2.33	3	2.67	2	1	0	0	0	0	0	0
C317	1	2.33	2.75	2.67	2	1	0	0	2	1	0	0
C318	2.6	2.8	2.6	2.75	2	2	2	1.5	2.67	2	3	1.6
C319	0	0	0	0	0	1	0	0	2	3	0	2

C401	0	0	0	0	0	0	0	1.8	1.8	2.8	2.8	2
C402	2.6	2.6	2.6	1.6	0	1.8	0	0	0	0	0	0
C403	2	3	3	2	0	2	0	0	0	0	0	0
C404	2.2	2	1.8	2.2	0	2	0	0	0	1.8	0	1
C405	1.8	1.6	1.8	0	0	0	0	0	0	2.6	2.8	0
C406	2.8	3	2.8	1.8	0	2.6	0	0	0	0	0	0
C407	2.54	2.73	2.54	1.76	0	2.73	0	0	0	0	0	0
C408	1.87	2.05	2.61	1.68	2.43	1.87	0	0	0	0	0	0
C409	0	0	0	0	0	2	1.7	3	2	1.3	0	2.3
C410	2.6	2.6	2.6	1	0	0	0	0	0	0	0	0
C411	2.6	2.8	2.6	2.8	2	2	2	1.5	2.7	2	3	1.6

**PO Attainment Level**

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO Attainment	2.16	2.13	2.11	1.84	1.98	1.47	1.32	1.23	1.66	1.68	1.36	1.87
Direct Attainment	2.19	2.16	2.14	1.87	2.01	1.49	1.34	1.26	1.69	1.72	1.38	1.90
InDirect Attainment	2.05	2.0	1.98	1.74	1.85	1.37	1.26	1.11	1.54	1.54	1.28	1.77

**PSO Attainment**

Course	PSO1	PSO2
C101	1.33	1.8
C102	0	0
C103	1.22	0.68
C104	0.84	0.84
C105	2.62	2.62
C106	0.98	0.98
C107	3	3
C108	1	2
C109	1	1
C110	1.4	1.4
C111	1.16	0.83
C112	1.35	1.5
C113	1.7	1.87
C114	1.55	1.7
C115	1.96	1.76
C116	3	3
C117	2	2
C201	0.79	1.58
C202	1.86	2.41
C203	1.65	1.32
C204	1.43	1.78
C205	1.76	1.47
C206	1.6	1.6
C207	2	2
C208	2.2	3
C209	2	2
C210	0	1.49
C211	1.8	1.8
C212	1.49	1.64
C213	1.56	1.56

C214	1.74	1.92
C215	2.78	2.78
C216	1.8	1.8
C217	3	2
C218	1	1
C301	1.18	0
C302	1.25	1.67
C303	1.53	1.53
C304	0.71	1.42
C305	1.15	1.53
C306	1.86	0
C307	2.2	2.2
C308	0	0
C309	1.4	1.2
C310	1.4	1.2
C311	1	2
C312	2.8	1
C313	2	1
C314	1	2
C315	1.3	1.3
C316	1.6	1.8
C317	1.67	2.25
C318	1.6	1.8
C319	1.5	1.33
C401	1.25	2
C402	1	1.5
C403	1.33	1
C404	1.25	1.5
C405	1.5	1.25
C406	1.5	1
C407	1.76	1.56
C408	1.87	2.05
C409	0	0
C410	2	2.6
C411	1.6	1.8

**PSO Attainment Level**

Course	PSO1	PSO2
CO Attainment	1.60	1.66
Direct Attainment	1.62	1.69
InDirect Attainment	1.5	1.56

4 STUDENTS' PERFORMANCE (150)

Total Marks 106.81

:

Table 4.1

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2022-23 (CAY)	2021-22 (CAYm1)	2020-21(CAYm2)	2019-20(CAYm3)	2018-19(CAYm4)	2017-18 (CAYm5)	2016-17 (CAYm6)
Sanctioned intake of the program(N)	60	60	60	60	60	60	60
Total number of students admitted in first year minus number of students migrated to other programs/ institutions plus No. of students migrated to this program (N1)	56	55	27	41	15	19	26
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	0	6	11	2	2	3	2
Separate division students, If applicable (N3)	0	0	0	0	0	0	0
Total number of students admitted in the programme(N1 + N2 + N3)	56	61	38	43	17	22	28

Table 4.2

Year of entry	Total No of students admitted in the program (N1 + N2 + N3)	Number of students who have successfully graduated without backlogs in any semester/ year of study (Without Backlog means no compartment or failures in any semester/ year of study)			
		I year	II year	III year	IV year
2022-23 (CAY)	56	0	0	0	0
2021-22 (CAYm1)	61	14	0	0	0
2020-21 (CAYm2)	38	18	5	0	0
2019-20 (CAYm3)	43	6	6	3	0
2018-19 (LYG)	17	0	0	0	0
2017-18 (LYGm1)	22	4	2	2	2
2016-17 (LYGm2)	28	4	4	3	2

Table 4.3

Year of entry	Total No of students admitted in the program (N1 + N2 + N3)	Number of students who have successfully graduated in stipulated period of study) [Total of with Backlog + without Backlog]			
		I year	II year	III year	IV year
2022-23 (CAY)	56	0	0	0	0
2021-22 (CAYm1)	61	55	0	0	0
2020-21 (CAYm2)	38	27	38	0	0
2019-20 (CAYm3)	43	40	40	40	0
2018-19 (LYG)	17	15	14	14	14
2017-18 (LYGm1)	22	19	22	22	22
2016-17 (LYGm2)	28	24	25	25	25

## 4.1 Enrolment Ratio (20)

Total Marks 16.00

Institute Marks : 16.00

	N (From Table 4.1)	N1 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2022-23 (CAY)	60	56	93.33
2021-22 (CAYm1)	60	55	91.67
2020-21 (CAYm2)	60	27	45.00

Average [ (ER1 + ER2 + ER3) / 3 ] : 76.67

Assessment : 16.00

## 4.2 Success Rate in the stipulated period of the program (40)

Total Marks 14.80

## 4.2.1 Success rate without backlogs in any semester / year of study (25)

Institute Marks : 1.25

Item	Latest Year of Graduation, LYG (2018-19)	Latest Year of Graduation minus 1, LYGm1 (2017-18)	Latest Year of Graduation minus 2 LYGm2 (2016-17)
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and seperated division, if applicable	17.00	22.00	28.00
Y Number of students who have graduated without backlogs in the stipulated period	0.00	2.00	2.00
Success Index [ SI = Y / X ]	0.00	0.09	0.07

Average SI [ (SI1 + SI2 + SI3) / 3 ] : 0.05

Assessment [25 \* Average SI] : 1.25

#### 4.2.2 Success rate in stipulated period (15)

Institute Marks : 13.55

Item	Latest Year of Graduation, LYG (2018-19)	Latest Year of Graduation minus 1, LYGm1 (2017-18)	Latest Year of Graduation minus 2 LYGm2 (2016-17)
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and seperated division, if applicable	17.00	22.00	28.00
Y Number of students who have graduated in the stipulated period	14.00	22.00	25.00
Success Index [ SI = Y / X ]	0.82	1.00	0.89

Average SI [ (SI1 + SI2 + SI3) / 3 ] : 0.90

Assessment [15 \* Average SI] : 13.55

**Note** : If 100% students clear without any backlog then also total marks scored will be 40 as both 4.2.1 & 4.2.2 will be applicable simultaneously.

#### 4.3 Academic Performance in Third Year (15)

Total Marks 12.20

Institute Marks : 12.20

Academic Performance	CAYm3 (2019-20)	LYG (2018-19)	LYGm1 (2017-18)
Mean of CGPA or mean percentage of all successful students(X)	8.08	8.23	8.09
Total number of successful students(Y)	40.00	14.00	22.00
Total number of students appeared in the examination(Z)	40.00	14.00	22.00
API [ X*(Y/Z) ]:	8.08	8.23	8.09

Average API [ (AP1 + AP2 + AP3)/3 ] : 8.13

Assessment [1.5 \* AverageAPI] : 12.20

#### 4.4 Academic Performance in Second Year (15)

Total Marks 11.01

Institute Marks : 11.01

Academic Performance	CAYm2 (2020-21)	CAYm3 (2019-20)	LYG (2018-19)
Mean of CGPA or mean percentage of all successful students(X)	8.21	8.00	7.52
Total number of successful students (Y)	38.00	40.00	14.00
Total number of students appeared in the examination (Z)	38.00	42.00	17.00
API [ X * (Y/Z) ]	8.21	7.62	6.19

Average API [ (AP1 + AP2 + AP3)/3 ] : 7.34

Assessment [ 1.5 \* AverageAPI ] : 11.01

#### 4.5 Placement, Higher Studies and Entrepreneurship (40)

Total Marks 32.80

Institute Marks : 32.80

Item	LYG (2018-19)	LYGm1 (2017-18)	LYGm2 (2016-17)
Total No of Final Year Students(N)	14.00	22.00	25.00
No of students placed in the companies or government sector(X)	10.00	18.00	16.00
No of students admitted to higher studies with valid qualifying scores(GATE or equivalent State or National Level tests, GRE, GMAT etc.) (Y)	1.00	1.00	0.00
No of students turned entrepreneur in engineering/technology (Z)	0.00	1.00	3.00
x + y + z =	11.00	20.00	19.00
Placement Index [ (X+Y+Z)/N ] :	0.79	0.91	0.76

Average Placement [ (P1 + P2 + P3)/3 ] : 0.82

Assessment [ 40 \* Average Placement ] : 32.80

Program Name :

Assessment Year Name : CAYm1

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	A ASIM KHAN	110118205001	M/s. MPHASIS	MPHPTH_CD2022-2082
2	A HIDARALI	110118205004	M/s. MPHASIS	MPHPTH_CD2022-2083
3	A MADHUMEGA	110118205005	M/s. CAPGEMINI	CAPGM_IT2022-001
4	M MOHAMED NAWAZ	110118205008	M/s. GP STRATEGIES INDIA PRIVATE LIMITED	GP_S_PVT_NOV_2022
5	A SALMA	110118205010	M/s. INFOSYS LTD	INFY_SE_2022-002
6	SANJAY BITRA	110118205013	M/s. CAPGEMINI	CAPGM_IT2022-002
7	K SHABANA PARVEEN	110118205014	M/s. AVASOFT	AVASFT_JAN22_IT001
8	A GOWTHAM	110118205302	M/s. SUTHERLAND GLOBAL SERVICES	33595204
9	M ENAMUL HUK	110118205002	M/s. SUTHERLAND GLOBAL SERVICES	SUTHER_22_IT001
10	K SALMAN AL FARISHI	110118205012	M/s. SUTHERLAND GLOBAL SERVICES	SUTHER_22_IT002

Assessment Year Name : CAYm2

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	R DHANISHA	110117205003	M/s. SUTHERLAND GLOBAL SERVICES	SUTHER_21_IT001
2	U JAFAR SHAREEF	110117205004	M/s. SUTHERLAND GLOBAL SERVICES	SUTHER_21_IT002
3	J MAHALAKSHMI	110117205005	M/s. mc AMDOIS TECH SOLUTIONS PVT LTD	McAMDOIS2021001
4	S MOHAMED ABUBACKER	110117205008	M/s. SATVAT INFOSOL PVT LTD	TR1078
5	J MOHAMED ARFIN	110117205009	M/s. AJAZ AL ARABIA LOGISTICS SERVICES EST	86974556
6	M MOHAMED ASHIK	110117205010	M/s.AL WATHBA SHARES AND BONDS CENTRE	95844978
7	M MOHAMED IBRAHIM	110117205012	M/s.ALCHEMY TECHSOL INDIA PVT.LTD	3280308
8	K MOHAMED SHAFITH	110117205013	M/s.AMMANAH ELECTRONIC MARKETING COMPANY	THAMARCOM2021
9	M A RABIYA NOORIE	110117205015	M/s. INFOSYS LTD	HRD/3T/1002126815/21-22
10	M SHANOFAR JUHI	110117205016	M/s.NTT DATA	6A0952DF-E2F8-4ADD-BB19-E69B29FAECBB
11	M ZAINAB SABA	110117205018	M/s. SUTHERLAND GLOBAL SERVICES	SUTHER_21_IT005
12	S SARBUDEEN KATHER	110117205302	M/s. SUTHERLAND GLOBAL SERVICES	SUTHER_21_IT006
13	R AADHISITHAN	110117205001	M/s ACURUS	ACR1661
14	N ZEENATH BEGUM	110117205019	M/s. mc AMDOIS TECH SOLUTIONS PVT LTD	McAMDOIS2021003
15	M MOHAMED ABBAS MEERAN	110117205006	M/s. INFOSYS LTD	INF1002126817
16	B AYEESHA KHATOON	110117205002	M/s. INFOSYS LTD	INF1002126816
17	M MOHAMED ABDUL MALIK	110117205007	M/s. SUTHERLAND GLOBAL SERVICES	SUTHER_21_IT008
18	A MOHAMED ASSIF	110117205011	M/s. SUTHERLAND GLOBAL SERVICES	SUTHER_21_IT009

Assessment Year Name : CAYm3

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	M AFZAL	110116205001	M/s. TATA CONSULTANCY SERVICES	TCSL/DT20195501908
2	ARSHIYA AFRIN	110116205003	M/s. CSS CORP PVT LTD	CSSCORP-FEB2020-IT001
3	R ELIYAS AHAMED	110116205004	M/s. SUTHERLAND GLOBAL SERVICES	SUTHER-2020-IT002
4	G JEEVITHAMANI	110116205006	M/s. GLENWOOD SYSTEMS (P) LTD	L-CUBE_FEB2020_001
5	K MOHAMMED FARHAN	110116205015	M/s. DOUBTNUT	DOUBTNUT_IT_2020_01
6	M K N NASREEN FATHIMA	110116205016	M/s. CSS CORP PVT LTD	CSSCORP-FEB2020-IT002
7	B SARATH	110116205020	M/s. MC AMDOIS TECH SOLUTIONS PVT LTD	McAMDOIS_2020_IT001
8	S SESA PRIYA	110116205021	M/s. COGNIZANT TECHNOLOGY SOLUTIONS	14416823
9	S SOMA LAKSHMI	110116205023	M/s. SUTHERLAND GLOBAL SERVICES	SUTHER-2020-IT007
10	K VISHWA PRIYAA	110116205025	M/s. GLENWOOD SYSTEMS (P) LTD	L-CUBE_FEB2020_001
11	JAYASHREE	110116205301	M/s. CSS CORP PVT LTD	CSSCORP-FEB2020-IT004
12	YASMEEN HUSSAIN	110116205302	M/s. CSS CORP PVT LTD	CSSCORP-FEB2020-IT005
13	S MOHAMED ARFIN	110116205010	M/s ADECCO INDIA PVT LTD	AIP99901844
14	,M PANDIYA MOORTHY	110116205018	M/s. INTELIZIGN	6205018
15	S VEERAMANI	110116205024	M/s. INTELIZIGN	6205024
16	S MEGANDAR KHAN	110116205008	M/s. INVENT SOFT LABS	6205008

**4.6 Professional Activities (20)**

Total Marks 20.00





### A.AVAILABILITY & ACTIVITIES OF PROFESSIONAL SOCIETIES/CHAPTERS

Department of Information Technology have memberships in professional societies like ISTE, PALS and ICT Academy.

Table 4.1. List of Professional Societies.

S. No	YEAR	NAME OF THE PROFESSIONAL SOCIETIES / CHAPTERS	FACULTY MEMBERSHIP	STUDENT MEMBERSHIP
1	CAY m1(2021-22)	ISTE	9	93
		PALS	Institution Membership	
		ICT		
2	CAY m2(2020-21)	PALS		
		ICT		
3	CAY m3(2019-20)	PALS		
		ICT		



Figure 4.1 Professional Society Membership - PALS



Figure 4.2 Professional Society Membership - ISTE



**Figure 4.3 Professional Society Membership - ICT ACADEMY**

Table 4.2. Faculty Members ISTE Professional Membership Details:

S.No	NAME OF THE FACULTY MEMBER	DESIGNATION	MEMBERSHIP ID	DURATION
1	Dr.ARIF ABDUL RAHUMAN	Associate Prof. Head/IT	LM 4025	LifeTime
2	Dr.M.AMANULLAH	Associate Prof.	LM 73463	LifeTime
3	Er. ALAGESAN SUBRAMANIANS	Asst.Prof	LM134427	Life Time
4	Er. R. LAVANYA	Asst.Prof	LM134426	Life Time
5	Er. K. KHAJA MOHIDEEN	Asst.Prof	LM134421	Life Time
6	Er. BACKIAVATHI KANTAHRAJ	Asst.Prof	LM134428	Life Time
7	Er.S. REVATHI	Asst.Prof	LM134425	Life Time
8	Er. H. AYISHA ASHIFA	Asst.Prof	LM134395	Life Time
9	Er. P. DHIVYA BHARATHI	Asst.Prof	LM134392	Life Time
10	Er. M. MEHABOOB SUBAHANI	Asst.Prof	LM134393	Life Time

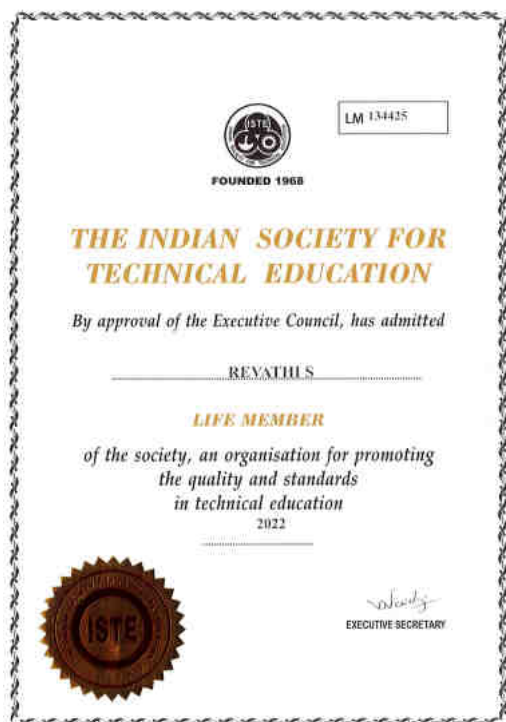
**Figure 4.4 Professional Society Faculty Membership - ISTE**

Table 4.3 First year and Second year Students ISTE Professional Membership Details:

S.No	REGISTER NUMBER	NAME OF THE STUDENTS	YEAR	MEMBERSHIP ID	DURATION
1	110121205001	A.ABDUL HAMEED	I	TN393 000107	2022-2026
2	110121205002	M.F.ABDULLA	I	TN393 000108	2022-2026
3	110121205003	M.ABUTHALHA	I	TN393 000109	2022-2026
4	110121205004	O. ADHIL	I	TN393 000110	2022-2026
5	110121205005	AFRAR RASHEED.A.A	I	TN393 000111	2022-2026

6	110121205006	ASHIZ AHAMED	I	TN393 000112	2022-2026
7	110121205007	ASILA JASMINE BALKEES H	I	TN393 000113	2022-2026
8	110121205008	ASSHAFIR.H	I	TN393 000114	2022-2026
9	110121205009	BARHANA PARVEEN. H	I	TN393 000115	2022-2026
10	110121205010	A. DHILIP	I	TN393 000116	2022-2026
11	110121205011	A.FIRNAS FATHIMA	I	TN393 000117	2022-2026
12	110121205012	FURQANA F	I	TN393 000118	2022-2026
13	110121205013	A.HARISH	I	TN393 000119	2022-2026
14	110121205014	HASHEER AHMED	I	TN393 000120	2022-2026
15	110121205015	ILAMARAN.N	I	TN393 000121	2022-2026
16	110121205016	IRFAN AADIL.S	I	TN393 000122	2022-2026
17	110121205017	S.IRFAN HAMEED	I	TN393 000123	2022-2026
18	110121205018	S. KISHORE	I	TN393 000124	2022-2026
19	110121205019	MAHMOOD . T	I	TN393 000125	2022-2026
20	110121205020	MOHAMEDAARKIF	I	TN393 000126	2022-2026
21	110121205021	MOHAMED ASIF M	I	TN393 000127	2022-2026
22	110121205022	MOHAMED FAHIM I	I	TN393 000128	2022-2026
23	110121205023	MOHAMED FAWZAN.S	I	TN393 000129	2022-2026
24	110121205024	MOHAMED IRSHADH. S	I	TN393 000130	2022-2026
25	110121205025	MOHAMED MAHADIR M	I	TN393 000131	2022-2026
26	110121205026	MOHAMED RILWAN J	I	TN393 000132	2022-2026
27	110121205027	MOHAMED RILWAN	I	TN393 000133	2022-2026
28	110121205028	MOHAMED RISHWAN. B	I	TN393 000134	2022-2026
29	110121205029	MOHAMED SHAAHEEN A	I	TN393 000135	2022-2026
30	110121205030	K.MOHAMED WAQAS	I	TN393 000136	2022-2026
31	110121205031	F.MOHAMED ZIAULHUQ	I	TN393 000137	2022-2026
32	110121205032	K. MOHAMMED AZARUDEEN	I	TN393 000138	2022-2026
33	110121205033	MOHAMMED AZEEM. R	I	TN393 000139	2022-2026
34	110121205034	J.MOHAMMED FAIZ	I	TN393 000140	2022-2026
35	110121205035	M.A.MOHAMMED NOUMAN	I	TN393 000141	2022-2026
36	110121205036	Z.MOHAMMED RIFAY	I	TN393 000142	2022-2026
37	110121205037	M.MOHAMMED RIYAZ	I	TN393 000143	2022-2026
38	110121205038	MOHAMMED SALIH AKRAM.K	I	TN393 000144	2022-2026
39	110121205039	S.MUJEEP HUSSAIN	I	TN393 000145	2022-2026
40	110121205040	NAVEEN T	I	TN393 000146	2022-2026
41	110121205041	NEERAJA C	I	TN393 000147	2022-2026
42	110121205042	R.PR BHAKARAN	I	TN393 000148	2022-2026
43	110121205043	PRIYADARSHINI P	I	TN393 000149	2022-2026
44	110121205044	RAABIYA.N	I	TN393 000150	2022-2026
45	110121205045	RAHIMA SHIRIN. B	I	TN393 000151	2022-2026
46	110121205046	RAVI KUMAR A	I	TN393 000152	2022-2026
47	110121205047	A. RINOZ FATHIMA	I	TN393 000153	2022-2026
48	110121205048	S.SAFREEN BANU	I	TN393 000154	2022-2026
49	110121205049	SHABENDAR.D	I	TN393 000155	2022-2026
50	110121205050	SHEEJAN. J	I	TN393 000156	2022-2026
51	110121205051	SHOBITHA. P	I	TN393 000157	2022-2026
52	110121205052	SRINIVAS SAI PRASHANTH M	I	TN393 000158	2022-2026
53	110121205053	SUHAIL.K	I	TN393 000159	2022-2026
54	110121205054	ZABI AHMED .M	I	TN393 000160	2022-2026
55	110121205055	M.ZIYAUL HAQUE	I	TN393 000161	2022-2026
56	110120205001	AAMIR DAWOOD	II	TN393 000355	2022-2025

57	110120205002	ABDUL AZEES	II	TN393 000356	2022-2025
58	110120205003	ABDUL HAMEED NASEER A	II	TN393 000357	2022-2025
59	110120205004	ABDUL HASEEF S	II	TN393 000358	2022-2025
60	110120205005	ABUL KALAM	II	TN393 000359	2022-2025
61	110120205006	AKILA SHERIN A	II	TN393 000360	2022-2025
62	110120205007	ANITHA R	II	TN393 000361	2022-2025
63	110120205008	FEROZ KHAN	II	TN393 000362	2022-2025
64	110120205009	HANFAN HUSAIN	II	TN393 000363	2022-2025
65	110120205010	IMAM HUSSAIN.SH	II	TN393 000364	2022-2025
66	110120205011	MOHAMED ABDUL HAMEED H	II	TN393 000365	2022-2025
67	110120205012	MOHAMED AL SHAHIL	II	TN393 000366	2022-2025
68	110120205013	MOHAMED AJUMAL M	II	TN393 000367	2022-2025
69	110120205014	MOHAMED ARMAS	II	TN393 000368	2022-2025
70	110120205015	MOHAMED ATHIF HUSSAIN S	II	TN393 000369	2022-2025
71	110120205016	MOHAMED FARDEEN KHAN J	II	TN393 000370	2022-2025
72	110120205017	MOHAMEDKASIM.M	II	TN393 000371	2022-2025
73	110120205018	MOHAMMED AFFAN N	II	TN393 000372	2022-2025
74	110120205019	MOHAMMED AKIF ZAID S J	II	TN393 000373	2022-2025
75	110120205020	MOHAMMED SABEEL S	II	TN393 000374	2022-2025
76	110120205021	PRIYADHARSHINI R	II	TN393 000375	2022-2025
77	110120205022	RIZWAN S	II	TN393 000376	2022-2025
78	110120205024	SHAIK ALI JABROOTH W H	II	TN393 000377	2022-2025
79	110120205025	SHAKEEL AHAMED K	II	TN393 000378	2022-2025
80	110120205026	SHARMA	II	TN393 000379	2022-2025
81	110120205027	SHEIK HASEENA S	II	TN393 000380	2022-2025
82	110120205028	TAWFIQ SIRAJUDEEN	II	TN393 000381	2022-2025
83	110120205301	ABDULKALAM A	II	TN393 000382	2022-2025
84	110120205302	ANAND BABU M	II	TN393 000383	2022-2025
85	110120205303	JAGADEESHWARAN E	II	TN393 000384	2022-2025
86	110120205305	MOHAMED FAZEERDEEN M	II	TN393 000385	2022-2025
87	110120205306	MOHAMED IMRAN G	II	TN393 000386	2022-2025
88	110120205307	MUJAHITHUL ISLAM G	II	TN393 000387	2022-2025
89	110120205308	MUSHRAF ALI T	II	TN393 000388	2022-2025
90	110120205309	SWETHA M	II	TN393 000389	2022-2025
91	110120205310	SYED NIJAMUDEEN S	II	TN393 000390	2022-2025
92	110120205311	SYED RASHOOL S	II	TN393 000391	2022-2025
93	110120205312	VISALI S	II	TN393 000392	2022-2025



Figure 4.4 Professional Society Student Membership - ISTE for II<sup>nd</sup> year

**B. NUMBER,QUALITY OF ENGINEERING EVENTS ORGANIZED AT THE INSTITUTE.**

**Table 4.5 List of Events Conducted through Professional Societies for CAYm1 (2021-22)**

S.No	NAME OF THE EVENT	DATE	RESOURCE PERSON	MODE
1	DevOps Fundamentals And Cloud Engineering	16.04. 2022	Er.B.Gokul Subburaj Lead Site ReliabilityEngineering @Trimble,Chennai.	Online Mode
2	Technological Skills On Demand	13.04.2022	Er.Muhammed ilyas CEO,IT Expert Training Engineering.	Physical Mode
3	Career In Software Testing	05.01.2022	Er.K.Hajeera Banu Test Lead - R&D IT M/s.AstraZeneca	Online Mode
4	Social Media Marketing	08.10. 2021	Er.G.Karthiga Founder & Digital Director The Grafician	Online Mode
5	PALS Industry Speaks - Core	27.08.2021	Er.S.Krishnakumar Distinguished visiting Professor, AICTE- INAE & Former Senior Vice president, Lucas TVS	Online Mode
6	Overview of the Lean Business Canvas Model	14.08.2021	Er.Ramesh Adavi IIT Alumnus	Online Mode
7	Webinar on SUTRA Model for Pandemic modelling from IIT Kanpur	14.08.2021	Prof.Manindra Agrawal BTech and PhD, IIT Kanpur K.Ananth Krishnan Executive VP & CEO M/s.Tata Consultancy Services	Online Mode
8	Industry Centric Delivery	7.08.2021	Eminent IndustryLeaders Ashok Leyland	Online Mode
9	Future Of On-Line & Blended Learning & Degrees - A Game changer	17.07.2021	Dr.Prathap Haridoss, Professor MaterialsScience,IITM	Physical Mode

10	Web Development Basics	15.07.2021	Asst.Professor.H.Ayisha ashifa Aalimmuhammed salegh collegerof engineering	Online Mode
11	Technical Skills For Specific Job Roles	16.02.2021&17.02.2021	Er.Muhammed ilyas CEO,M/s.AltSense Professional Training and Coaching Chennai	Online Mode

**AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING**  
Approved by AICTE and Affiliated to Anna University Chennai

**Department of Information Technology is organizing**

**WEBINAR**

**DevOps FUNDAMENTALS AND CLOUD ENGINEERING**

**Resource Person:**  
**Er. B. GOKUL SUBBURAJ**  
Lead, Site Reliability Engineering (Tiruvannamalai, Chennai) (Maurus of St.Tech-IT, 2009-2010 Batch)

**16 APRIL 2022**  
11.00 AM TO 12.30 PM

Meeting ID: 873 0812 3510  
Passcode: 018224

Registration Link: <https://forms.gle/F4U5gnuD6PZApNHUJ9>

Coordinator:  
**Er. H. Ayisha Ashifa**  
Assistant Professor  
Department of Information Technology

Visit Us @ [www.aalimec.ac.in](http://www.aalimec.ac.in)

Prof. Dr. M. Amanullah Head / IT  
Prof. Dr. S. Sathish Principal  
Alhaj. S. Saigu Jamaludeen Secretary & Comptroller

Participants (120)

- KKHaja Mohideen Additional (Me)
- AMSCCE (Host)
- 110120205001\_Aamir Dewood (Co-host)
- Gokul Subburaj (Co-host)
- REATHI S (Co-host)
- KKHaja mohideen (Co-host)
- Dr. M. Amanullah / HOD / IT (Co-host)
- Dr. SATHISH (Co-host)
- Ayisha Ashifa (Co-host)
- SUDARSHAN V
- 6041-Divyak
- 6137-Sarini R I C
- 110120205013- MOHAMED AL SHAHIL H
- 110420205012\_mohamed\_ajumal
- Sanjay karanan, K. S

Figure 4.5 Event Organised - DevOps Fundamentals and cloud Engineering.

Table 4.5 List of Events Conducted through Professional Societies for CAYm2 (2020-21)

SL NO.	NAME OF THE EVENT	DATE	RESOURCE PERSON	MODE
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1	Hands On Training In AI	8.03.2021	S.Senthil Raj M/s.I <sup>2</sup> C Marketing Private Limited	Physical Mode
2	Faculty Student Development Program On Project Management	21.11.2020 & 28.11.2020 & 05.12.2020 & 06.12.2020	Dr.Arun Iyer, Associate Professor Marquette University, USA	Online
3	Civil Services- Wonderful Career Opportunity For Engineers	26.09.2020	K.S.Sripathi, IAS Retd.Chief Secretary Govt of Tamil Nadu	Online
4	Full-Stack Web Development With Hands On Training	17.09.2020	Er.Mohammed Aadil M/s.ifelse Technologies IT Services and IT Consulting Chennai	Physical Mode
5	Virtual Industry Visit With Focus On Project Management	16.09.2020	K.S.Sripathi, IAS Retd.Chief Secretary Govt of Tamil Nadu	Online
6	Innowah Webinar- Innovation & Creativity	11.09.2020	Er.Pramod Athalye, IITM Alumnus Social Innovator Mentor, Pune	Online



**PALS**

**IITM RESEARCH PARK VISIT**

Date : 25<sup>th</sup> March 2021

Timings : 03.00 P.M – 05.30 P.M

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PHONE : +91 98405 50470  
EMAIL : palspgm@gmail.com  
WEB SITE : www.palspgm.com

With the Support from  
Leading Industry Partners

IIT Madras Alumni Association Office,  
CCW building,  
IIT M Campus,  
Chennai – 600 036

Figure 4.6 Event Organised - PALS.

Table 4.6 List of Events Conducted through Professional Societies for CAYm2 (2019-20)

SL NO.	NAME OF THE EVENT	DATE	RESOURCE PERSON	MODE
1	Advanced Android Technology Using Java	11.02.2020 & 12.02.2020	Er.B.Gokul Subburaj Lead Site Reliability Engineering @Trimble, Chennai.	Online

2	Python And Its Real Time Application	04.09.2019 & 5.09.2019	Er.Muhammed ilyas CEO,M/s.AltSense Professional Training and Coaching Chennai	Physical Mode
3	Digital Marketing Fundamentals	20.08.2019 & 21.08.2019	S.Senthil Raj M/s.I <sup>2</sup> C Marketing Private Limited	Physical Mode



Figure 4.7 Event Organised - Advanced Android Technology Using Java.

#### 4.6.2 Publication of technical magazines, newsletters, etc. (5)

Institute Marks : 5.00

## A. QUALITY &amp; RELEVANCE OF THE CONTENTS AND PRINT MATERIAL TABLE

## LIST OF NEWS LETTERS.

Table 4.7 List of News Letters

S.No	YEAR	NAME OF THE NEWS LETTER / MAGAZINE	NO OF ISSUES	HARD COPY/ SOFTCOPY
1	CAYm1 2021-2022	AMSCE IT NEWS LETTER	2	HARD COPY& SOFTCOPY
2	CAYm2 2020-2021	AMSCE IT NEWS LETTER	2	SOFTCOPY
3	CAYm3 2019-2020	AMSCE IT NEWS LETTER	2	SOFTCOPY



Figure 4.8 Newsletter - AMSCE IT News Letter

## B. PARTICIPATION OF STUDENTS FROM THE PROGRAM

Table 4.8 Students Participation in newsletter

S.No	YEAR	NAME OF THE NEWS LETTER / MAGAZINE	NAME OF THE EDITOR	NAME OF THE STUDENT
1	CAYm1 2021-2022	AMSCE IT NEWS LETTER	Dr. M. AMANULLAH Er.S. REVATHI	SYED ALI FATHIMA A (IV year) YUSRA SABA M (IV Year) SABA ZEHRA S (IV Year)
2	CAYm2 2020-2021	AMSCE IT NEWS LETTER	Dr. M. AMANULLAH Er.S. REVATHI	MOHAMMED FASEHIULLAH N (IV year) SANJAY S (IV Year) ZEENATH BEGAM N (IV Year)

3	CAYm3 2019-2020	AMSCE IT NEWS LETTER	Dr. M. AMANULLAH Er.R. LAVANYA	GOWTHAMA (IV Year) RABIA MAA S (IV Year)
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**4.6.3 Participation in inter-institute events by students of the program of study (10)**

Institute Marks : 10.00

## A.EVENTS WITHIN THE STATE

Table 4.9 List Of Students Participated Within The State For CAY m1(2021-22)

S.No	Name of the Student	Name of the Event	Organizer	Place	Award
1	F.N.Afrah Fathin	Poem baaz Poetry Contest	Poembaaz Poetry	Chennai	Participated
2	Mohamed Hussain Kani S	Web Development	Learncode	Chennai	Successfully Completed

Table 4.10 List Of Students Participated Within The State For CAYm2 (2020-21)

Sl.No	Name of the Student	Name of the Event	Topic	Place	Award
1	F. Aaliya Fathima	WORLD OCEAN DAY 2020	ONLINE QUIZ	Thiruverkadu	Participated
2	S.Saba Zehra	How Swiggy Chatbot Works	TechLearn	Chennai	Participated
3	F.N.Afrah Fathin	Open_Pals_Writings	Poem.vibes	Chennai	Participated
4	F.N.Afrah Fathin	Charred Hopes/Bags of Guilt	Potential of poemz	Chennai	Participated

Table 4.11 List Of Students Participated Within The State For CAYm3 (2019-20)

S.No	Name of the Student	Name of the Event	Topic	Place	Award
1	F. Aaliya Fathima	NATIONAL LEVEL URDU QUIZ 2020	E-QUIZ	Vanivambadi	Participated
2	Shanofar Juli	Blockchain for IOT	Webinar	Ramapuram	Participated
3	F. Aaliya Fathima	General Knowledge	Online Quiz	Pernambut	Participated
4	F. Aaliya Fathima	WORLD RELIGIOUS ONLINE QUIZ 2020	Online Quiz	Chennai	Participated
5	F. Aaliya Fathima	PROMINENT COMPANIONS OF PROPHET MUHAMMAD	Online Quiz	Vaniyambadi	Participated
6	S.Mohamed Arfin	Mini-project in PHP	Online Quiz	Chennai	Course Completed
7	S.Saba Zehra	PALS QUEST	Quiz	Chennai	Winner
8	Mohamed Hussain Kani S	Centre for Soft Skill Training Programme	Soft Skill Training Programme	Chennai	Successfully Completed
9	Prasanna G	Centre for Soft Skill Training Programme	Soft Skill Training Programme	Chennai	Successfully Completed

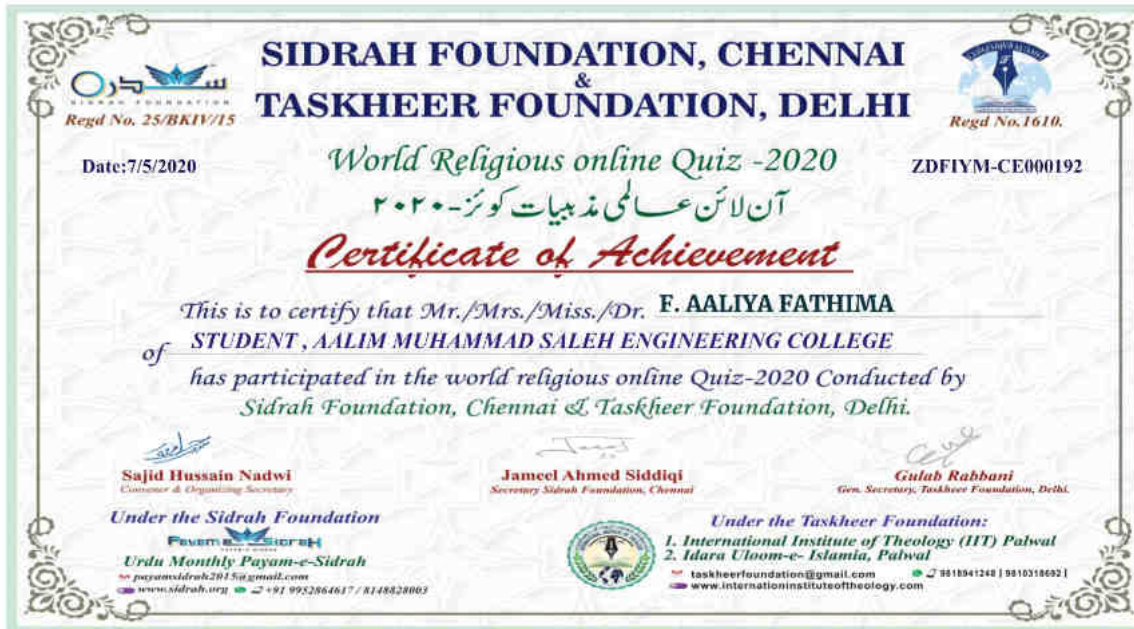


Figure 4.9 Certification of Achievement.

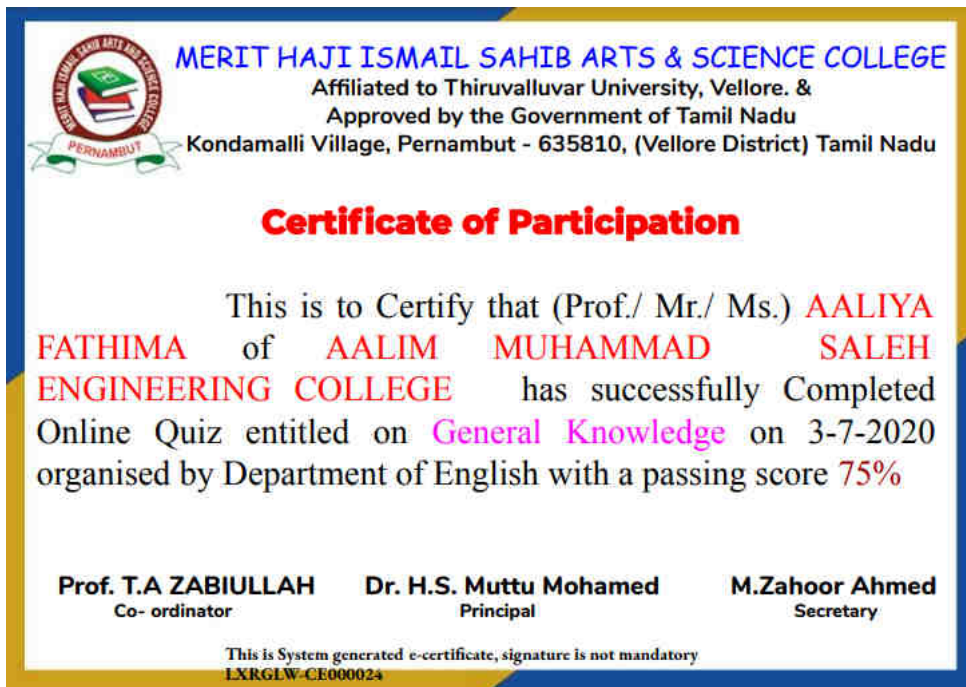


Figure 4.10. Certification of Participation.

Table 4.12 List of Students participated in NPTEL course for CAYm1 (2021-2022)

S.N (http://s.no/)	Register No	Name of the Student	Year
1	110120205001	AAMIR DAWOOD A	II
2	110120205002	ABDUL AZEES A	II
3	110120205003	ABDUL HAMEED NASEER A	II

Table 4.13 List of Students participated in NPTEL course for CAYm2 (2020-2021)

S.No (http://s.no/)	Register No	Name of the Student	Year
1	110119205013	AZHAR	II



**Elite**

**NPTEL Online Certification**  
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to  
**AZHAR**  
for successfully completing the course  
**Programming in Java**  
with a consolidated score of **74** %

Online Assignments	20.88/25	Programming Exam	25/25	Proctored Exam	28.17/50
--------------------	----------	------------------	-------	----------------	----------

Total number of candidates certified in this course: **3157**

Sep-Dec 2020  
(12 week course)

Prof. G P Raja Sekhar  
Dean, Continuing Education  
IIT Kharagpur

Prof. Debjani Chakrabarty  
Coordinator, NPTEL  
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL20C558561320205

To validate and check scores: <https://npTEL.ac.in/noC>

Table 4.14 List of Students participated in NPTEL course for CAY m3 (2019-2020)

S.No (http://s.no/)	Register No	Name of the Student	Year
1	110117205015	RABIYA NOORIE M A	III
2	110118205004	HIDARALI A	II
3	110118205005	MADHUMEGA A	II
4	110118205008	MOHAMED NAWAZ M	II
5	110118205009	SABA ZEHRA S	II
6	110118205010	SALMA A	II
7	110118205011	SALMAN AHAMED J	II
8	110118205013	SANJAY BITRA N	II
9	110118205014	SHABANA PARVEEN K	II
10	110118205302	GOWTHAM A	II



# NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

**S. SABA ZEHRA**

for passing the course

**Data Base Management System**

with Score\* **100 %**



*A. Goswami*

**Prof. Adrijit Goswami**

Dean, Continuing Education & NPTEL Coordinator  
IIT Kharagpur

**Jan-Mar 2020**  
**(8 week course)**



Indian Institute of Technology Kharagpur



**\*Continuous online assessment score**

To validate and check scores: <https://nptel.ac.in/noc>

## B. EVENTS OUTSIDE THE STATE

Table 4.15 List Of Students Participated In Inter-Institute Events For CAYm1 (2021-22)

S.No	Name of the Student	Name of the Event	Topic	Place	Award
1	S.SABA ZEHRA	Codegnan	Online BOOTCAMP	Vijayawada	Participated

Table 4.16 list of students participated in inter-institute events for CAYm2 (2020-21)

S.No	Name of the Student	Name of the Event	Topic	Place	Award
1	S.SABA ZEHRA	GIRLSX TECH	DESIGN BOOTCAMP	Punjab	Participated

Table 4.17 list of students participation in inter-institute events for CAYm3 (2019-20)

S.No	Name of the Student	Name of the Event	Topic	Place	Award
1	S.SABA ZEHRA	PALS QUEST	Quiz	Chennai	Winner

5 FACULTY INFORMATION AND CONTRIBUTIONS (200)

Total Marks 142.56



Name	PAN No.	University Degree	Date of Receiving Degree	Area of Specialization	Research Paper Publications	Ph.D Guidance	Faculty receiving Ph.D during the assessment year	Current Designation	Date (Designated as Prof./Assoc. Prof.)	Initial Date of Joining	As TyI
LAVANYA R	AGRPL0345G	M.E/M.Tech	01/06/2009	COMPUTER SCIENCE ENGINEERING	3	0	0	Assistant Professor		05/08/2009	Re
ALAGESAN S	AKCPA1564H	M.E/M.Tech	02/05/2011	COMPUTER SCIENCE ENGINEERING	1	0	0	Assistant Professor		01/07/2011	Re
KHAJA MOHIDEEN K	BEGPK5260M	M.E/M.Tech	03/06/2013	COMPUTER SCIENCE ENGINEERING	1	0	0	Assistant Professor		01/07/2009	Re
BACKIAVATHI K	AYCPB0626R	M.E/M.Tech	01/06/2015	COMMUNICATION AND NETWORKING	0	0	0	Assistant Professor		04/01/2016	Re
REVATHI S	BJXPR7985Q	M.E/M.Tech	09/01/2012	COMPUTER SCIENCE ENGINEERING	0	0	0	Assistant Professor		01/03/2021	Re
AYISHA ASHIFA H	BEXPA8107G	M.E/M.Tech	01/06/2015	COMPUTER SCIENCE ENGINEERING	1	0	0	Assistant Professor		21/12/2020	Re
DHIVYA BHARATHI P	BCJPD0615A	M.E/M.Tech	01/04/2016	MULTIMEDIA TECHNOLOGY	1	0	0	Assistant Professor		21/12/2020	Re
MEHABOOB SUBAHANI M	BWOPM6026M	M.E/M.Tech	02/04/2012	INFORMATION TECHNOLOGY	0	0	0	Assistant Professor		12/01/2021	Re
RAEESHATHUL HAFEELA K R	MIJPK4338Q	M.E/M.Tech	01/04/2021	WIRELESS TECHNOLOGY	0	0	0	Assistant Professor		01/08/2022	Re
GANESH P	BTDP1968F	M.E/M.Tech	02/06/2014	COMPUTER SCIENCE ENGINEERING	0	0	0	Assistant Professor		02/07/2008	Re
SAFIA NAVEED S	CVYPS9632K	M.E/M.Tech	01/06/2011	COMPUTER SCIENCE ENGINEERING	0	0	0	Assistant Professor		26/03/2018	Re
RUBIN JULIS	DVRPR3618L	M.E/M.Tech	19/06/2019	COMPUTER SCIENCE ENGINEERING	0	0	0	Assistant Professor		01/07/2019	Re
S ARIF ABDUL RAHUMAN	AAIPR2858K	ME/M. Tech and PhD	09/03/2020	COMPUTER SCIENCE ENGINEERING	0	0	0	Associate Professor		01/08/2022	Re
DEEPAK R	BGCPD9726M	M.E/M.Tech	02/02/2010	COMPUTER SCIENCE ENGINEERING	0	0	0	Assistant Professor		22/08/2022	Re
DIVYA G	FGZPD4280F	M.E/M.Tech	31/05/2019	COMPUTER SCIENCE ENGINEERING	0	0	0	Assistant Professor		04/01/2023	Re

5.1 Student-Faculty Ratio (20)

Total Marks 12.00

Institute Marks : 12.00

### UG

No. of UG Programs in the Department

INFORMATION TECHNOLOGY						
Year of Study	CAY		CAYm1		CAYm2	
	(2022-23)		(2021-22)		(2020-21)	
	Sanction Intake	Actual admitted through lateral entry students	Sanction Intake	Actual admitted through lateral entry students	Sanction Intake	Actual admitted through lateral entry students
2nd Year	60	6	60	11	60	2
3rd Year	60	11	60	2	60	2
4th Year	60	2	60	2	60	3
<b>Sub-Total</b>	<b>180</b>	<b>19</b>	<b>180</b>	<b>15</b>	<b>180</b>	<b>7</b>
<b>Total</b>	<b>199</b>		<b>195</b>		<b>187</b>	
Grand Total	<input type="text" value="199"/>		<input type="text" value="195"/>		<input type="text" value="187"/>	

### PG

No. of PG Programs in the Department

Grand Total	<input type="text"/>	<input type="text"/>	<input type="text"/>
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### SFR

No. of UG Programs in the Department

No. of PG Programs in the Department

Description	CAY(2022-23)	CAYm1 (2021-22)	CAYm2 (2020-21)
Total No. of Students in the Department(S)	<input type="text" value="199"/> <b>Sum total of all (UG+PG) students</b>	<input type="text" value="195"/> <b>Sum total of all (UG+PG) students</b>	<input type="text" value="187"/> <b>Sum total of all (UG+PG) students</b>
No. of Faculty in the Department(F)	<input type="text" value="10"/> <b>F1</b>	<input type="text" value="8"/> <b>F2</b>	<input type="text" value="9"/> <b>F3</b>
Student Faculty Ratio(SFR)	<input type="text" value="19.90"/> <b>SFR1=S1/F1</b>	<input type="text" value="24.38"/> <b>SFR2=S2/F2</b>	<input type="text" value="20.78"/> <b>SFR3=S3/F3</b>
Average SFR	<input type="text" value="21.69"/> <b>SFR=(SFR1+SFR2+SFR3)/3</b>		
<b>F=Total Number of Faculty Members in the Department (excluding first year faculty)</b>			

**Note:** All the faculty whether regular or contractual (except Part-Time), will be considered. The contractual faculty (doing away with the terminology of visiting/adjunct faculty, whatsoever) who have taught for 2 consecutive semesters in the corresponding academic year on full time basis shall be considered for the purpose of calculation in the Faculty Student Ratio. However, following will be ensured in case of contractual faculty:

1. Shall have the AICTE prescribed qualifications and experience.
2. Shall be appointed on full time basis and worked for consecutive two semesters during the particular academic year under consideration.
3. Should have gone through an appropriate process of selection and the records of the same shall be made available to the visiting team during NBA visit

5.1.1. Provide the information about the regular and contractual faculty as per the format mentioned below:

	Total number of regular faculty in the department	Total number of contractual faculty in the department
CAY(2022-23)	10	0
CAYm1(2021-22)	8	0
CAYm2(2020-21)	9	0

Average SFR for three assessment years : 21.69

Assessment SFR : 12

### 5.2 Faculty Cadre Proportion (25)

Total Marks 9.00

Year	Professors		Associate Professors		Assistant Professors	
	Required F1	Available	Required F2	Available	Required F3	Available
CAY(2022-23)	1.00	0.00	2.00	1.00	6.00	9.00
CAYm1(2021-22)	1.00	0.00	2.00	0.00	6.00	8.00
CAYm2(2020-21)	1.00	0.00	2.00	0.00	6.00	9.00
Average Numbers	1.00	0.00	2.00	0.33	6.00	8.67

Cadre Ratio Marks [ (AF1 / RF1) + [(AF2 / RF2) \* 0.6] + [ (AF3 / RF3) \* 0.4] ] \* 12.5 : 9.00

### 5.3 Faculty Qualification (25)

Total Marks 10.56

Institute Marks : 10.56

	X	Y	F	FQ = 2.5 x [(10X + 4Y) / F]
2022-23(CAY)	1	9	9.00	12.78
2021-22(CAYm1)	0	8	9.00	8.89
2020-21(CAYm2)	0	9	9.00	10.00

Average Assessment : 10.56

### 5.4 Faculty Retention (25)

Total Marks 15.00

Institute Marks : 15.00

Description	2021-22	2022-23
No of Faculty Retained	6	6
Total No of Faculty	9	9
% of Faculty Retained	67	67

Average : 67.00

Assessment Marks : 15.00

### 5.5 Innovations by the Faculty in Teaching and Learning (20)

Total Marks 20.00

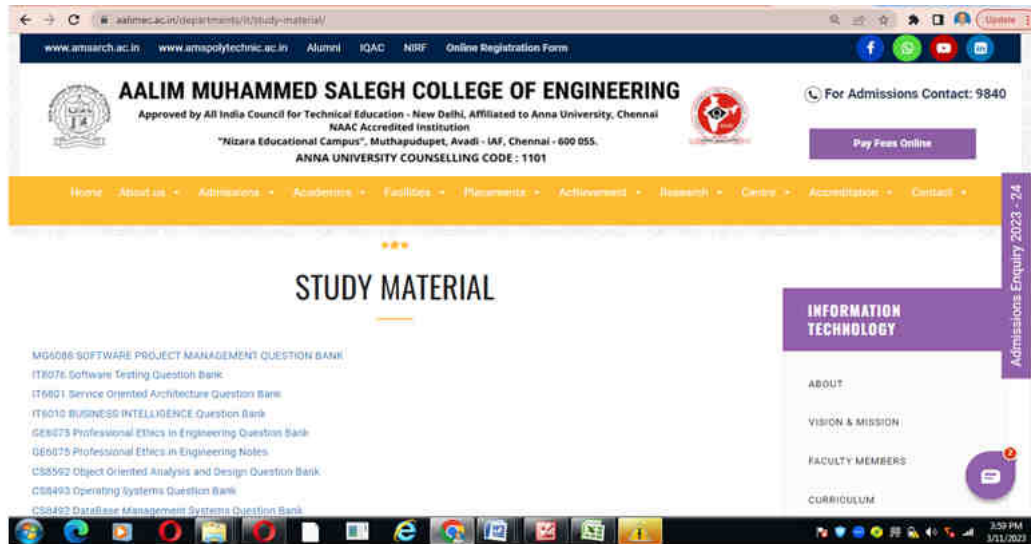


The members of the faculty are dedicated and focused on the academic excellence. The target attainments are evolved through different Pedagogical methods and its effective implementations.

**Table 5.1. List of Pedagogical Methods as Innovative Practices**

S.No	PEDAGOGICAL METHODS
1	PROJECT DEMONSTRATION
2	ONLINE E-RESOURCES IN GOOGLE CLASS ROOM
3	PERIODICAL ASSESSMENTS USING SEMINAR / ASSIGNMENTS
4	LIVE NPTEL VIDEO DEMONSTRATION FOR CONTENT BEYOND SYLLABUS
5	REGULAR UPDATES OF COURSE / STUDY MATERIALS IN WEBSITES

#### A.THE WORK MUST BE MADE AVAILABLE ON INSTITUTION WEBSITE



**Figure 5.1. Proof of Availability of Teaching Material in College Website**

#### 1) Project Demonstration

1. Projects made by senior students guided by faculty members are exhibited in the classroom while teaching subjects including Web Technologies, Java Programming, Python programming and Mobile App Development.
2. The purpose of project demonstration is to allow students to practice teamwork and communication skills while explaining the project to internal and external examiners.
3. This strategy also serves as a motivator for pupils to embark on difficult undertakings.
4. Demonstrating the syntax and runtime issues that may arise while executing the project will assist students in gaining a thorough understanding of how to construct the project.



**Figure 5.2. Final Project Presentation by Final Year Students of CAYm3(2019-2020)**

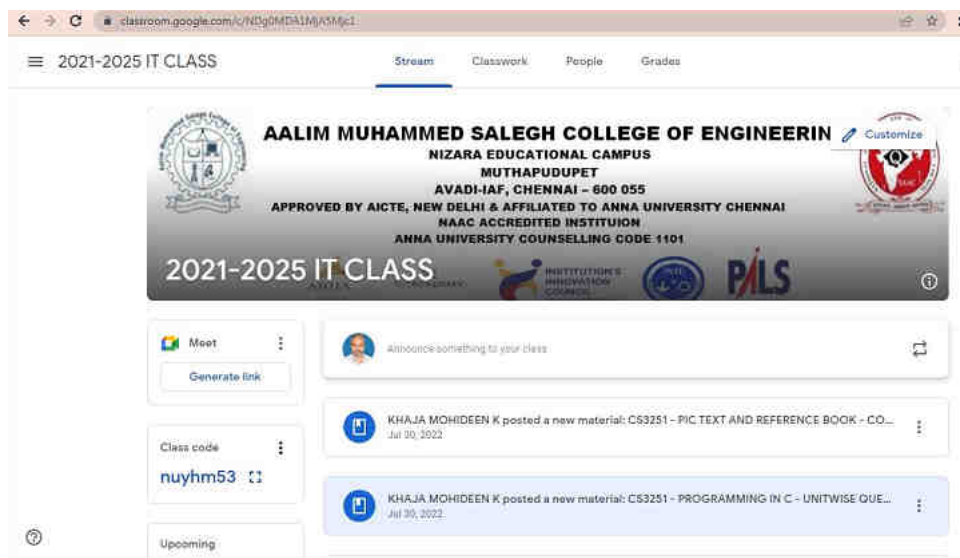
#### 2) Google Classroom

1. Students can access their class handouts and videos through Google Classrooms and they are encouraged to submit course assignments.
2. It will be automatically graded, and students can receive grades in their classroom account.

3. Students who perform well in class are given further support in their placements.

**Table 5.2. List of Google Class Room for effective Lecturing and Assesment tasks**

S.No	NAME OF THE SUBJECT	YEAR	LINK
1	Problem solving and python programming	I	<a href="https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1">https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1</a> ( <a href="https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1">https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1</a> )
2	Programming in C	I	<a href="https://classroom.google.com/u/0/c/NDM1NjA5NzkzMTY2">https://classroom.google.com/u/0/c/NDM1NjA5NzkzMTY2</a> ( <a href="https://classroom.google.com/u/0/c/NDM1NjA5NzkzMTY2">https://classroom.google.com/u/0/c/NDM1NjA5NzkzMTY2</a> )
3	Object oriented programming	II	<a href="https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1">https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1</a> ( <a href="https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1">https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1</a> )
4	Design and analysis of algorithm	II	<a href="https://classroom.google.com/u/0/c/NDM1NjA5NzkzMTY2">https://classroom.google.com/u/0/c/NDM1NjA5NzkzMTY2</a> ( <a href="https://classroom.google.com/u/0/c/NDM1NjA5NzkzMTY2">https://classroom.google.com/u/0/c/NDM1NjA5NzkzMTY2</a> )
5	Software engineering	II	<a href="https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1">https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1</a> ( <a href="https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1">https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1</a> )
6	Object oriented analysis and Design	III	<a href="https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1">https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1</a> ( <a href="https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1">https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1</a> )
7	Cryptography and network security	IV	<a href="https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1">https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1</a> ( <a href="https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1">https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1</a> )
8	Cloud computing	IV	<a href="https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1">https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1</a> ( <a href="https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1">https://classroom.google.com/u/0/c/NDg0MDA1MjA5Mjc1</a> )



**Figure 5.3. Assessments through Assignments through Google Class Room**

### 3) Audio / Visual Presentations

1. Video and power point presentation plays an effective interaction with the students and helps in overcoming the difficulty in drawing on the board.
2. The slides are constructed in such a way that the entire material of the chapter is contained in the slides, along with the aforementioned diagrams, and they are shared with the students for them to use as a reference.



Figure 5.4. Video presentation for IT students

4) Online Resources

1. Virtual learning plays a vital role among the faculty members and students due to rapid development in the technology.
2. The virtual learning guides the students in overcome the difficulty faced during the class lectures.
3. Students are encouraged in the various online courses offered by AICTE, NPTEL, Alison, Bright talk and Udemty courses related to their subjects like Introduction to Programming in C, Data Structures and Algorithms using Python Programming and Introduction to DBMS have been completed by both the students and the faculty.

Table 5.3. List of Online Resoruces used for Learning and Teaching Practices

S.No	NAME OF THE SUBJECT	SOURCE OF ONLINE COURSE MATERIAL	LINK
1	OOP with JAVA	nearpod	<a href="https://np1.nearpod.com/presentation.php?id=132154556&amp;addTooltip=&amp;1678538109#slide0">https://np1.nearpod.com/presentation.php?id=132154556&amp;addTooltip=&amp;1678538109#slide0</a> ( <a href="https://np1.nearpod.com/presentation.php?id=132154556&amp;addTooltip=&amp;1678538109#slide0">https://np1.nearpod.com/presentation.php?id=132154556&amp;addTooltip=&amp;1678538109#slide0</a> )
2	Object Oriented Programming	SlideShare	<a href="https://www.slideshare.net/Khajamohideenk/cs3391-oop-unit-ii-notes-finalpdf">https://www.slideshare.net/Khajamohideenk/cs3391-oop-unit-ii-notes-finalpdf</a> ( <a href="https://www.slideshare.net/Khajamohideenk/cs3391-oop-unit-ii-notes-finalpdf">https://www.slideshare.net/Khajamohideenk/cs3391-oop-unit-ii-notes-finalpdf</a> )
3	Information Retrieval Techniques	SlideShare	<a href="https://www.slideshare.net/Khajamohideenk/cs8080-information-retrieval-techniques-unit-i-ppt-in-pdf">https://www.slideshare.net/Khajamohideenk/cs8080-information-retrieval-techniques-unit-i-ppt-in-pdf</a> ( <a href="https://www.slideshare.net/Khajamohideenk/cs8080-information-retrieval-techniques-unit-i-ppt-in-pdf">https://www.slideshare.net/Khajamohideenk/cs8080-information-retrieval-techniques-unit-i-ppt-in-pdf</a> )

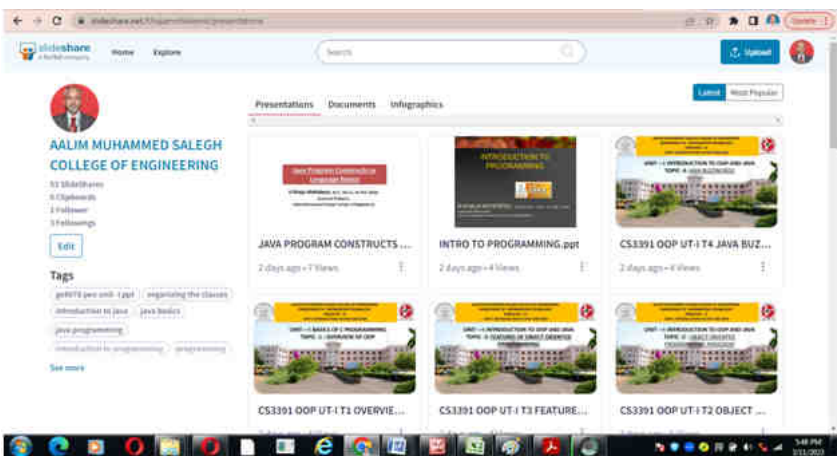


Figure 5.5. Online Resources for Students in Slideshare.net

5) Live NPTEL video demonstration for Content Beyond Syllabus

Table 5.4. List of NPTEL videos used for Content Beyond Syllabus

S.No	NAME OF THE SUBJECT	LINK
1	Programming in JAVA	https://www.digimat.in/nptel/courses/video/106105191/L01.html (https://www.digimat.in/nptel/courses/video/106105191/L01.html) to https://www.digimat.in/nptel/courses/video/106105191/L44.html (https://www.digimat.in/nptel/courses/video/106105191/L44.html)
2	Data science in python	https://www.youtube.com/watch?v=LAqaD7ZLb0k (https://www.youtube.com/watch?v=LAqaD7ZLb0k) https://www.digimat.in/nptel/courses/video/106106212/L01.html (https://www.digimat.in/nptel/courses/video/106106212/L01.html)
3	Data base management system	https://www.youtube.com/watch?v=EUzsy3W4I0g (https://www.youtube.com/watch?v=EUzsy3W4I0g)
4	Computer network security	https://archive.nptel.ac.in/courses/106/105/106105162/ (https://archive.nptel.ac.in/courses/106/105/106105162/)
5	Artificial intelligence	https://www.digimat.in/nptel/courses/video/106106140/L01.html (https://www.digimat.in/nptel/courses/video/106106140/L01.html)

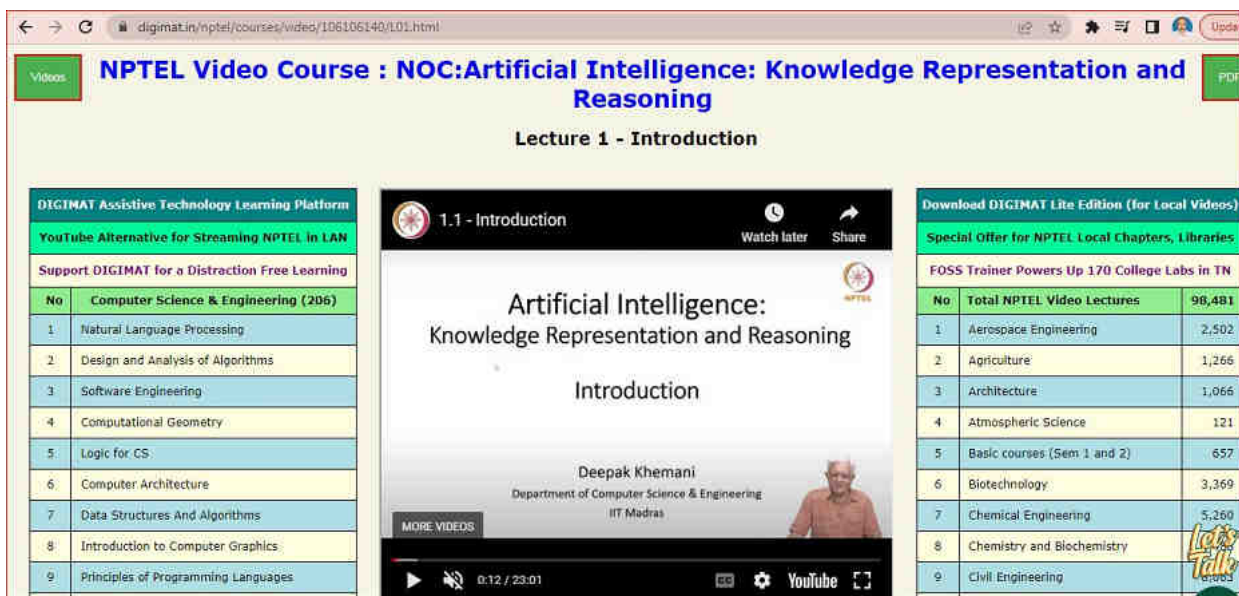


Figure 5.6. Online NPTEL material used for Course Beyond Syllabus(CBS)

6) Regular updates of Study Materials in Website

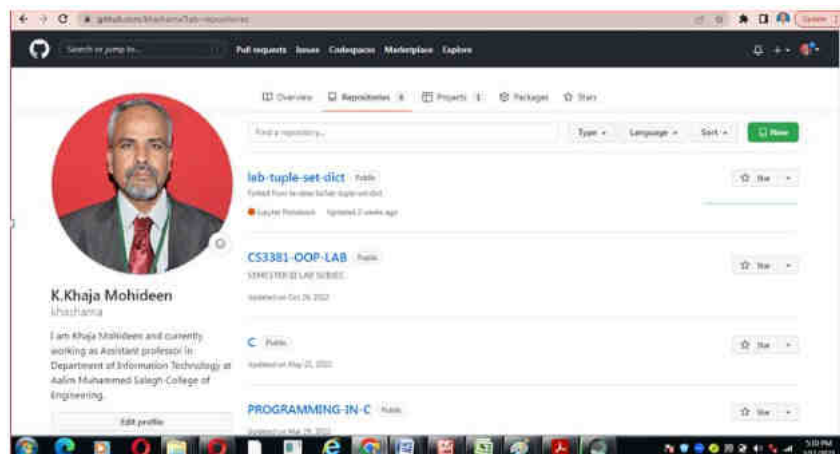


Figure 5.7. Online Material /Presentation updates in Websites

B. THE WORK MUST BE AVAILABLE FOR PEER REVIEW AND CRITIQUE



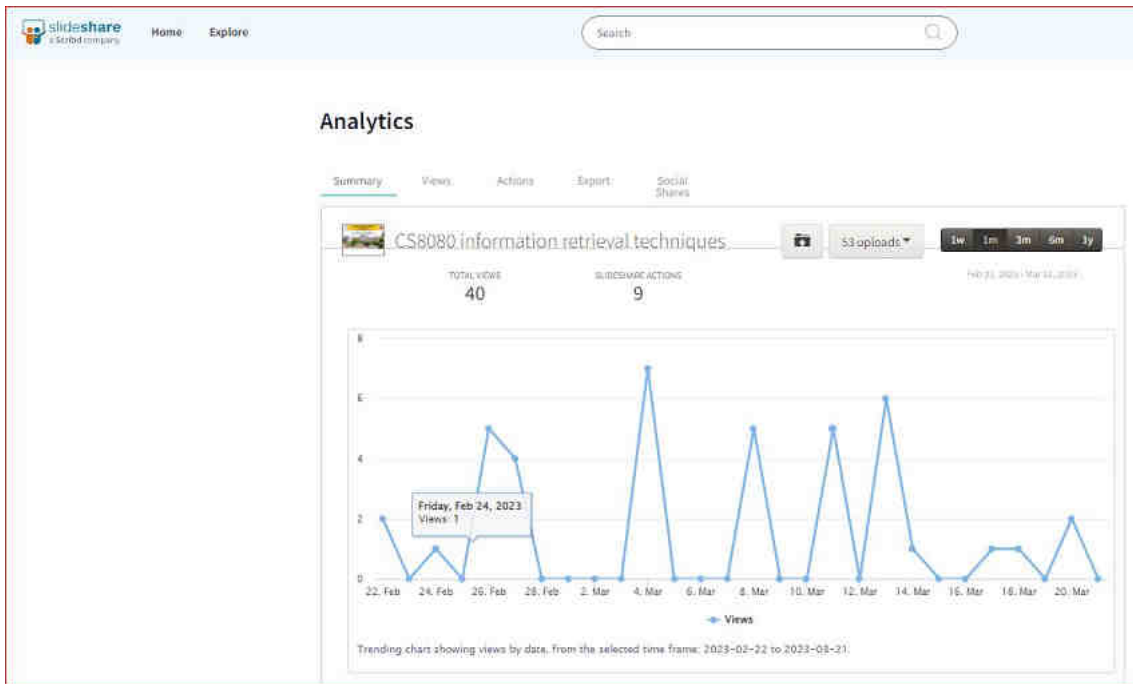
Table 5.5. The innovative works available for peer Review and Critique

PARTICULARS	DETAILS
Academic year	2021-2022
Class	II, II, IV IT
Subject Code and Subject name	<p><b>R2017:</b> CS8080 – Information Retrieval Techniques GE8076 – Professional Ethics for Engineering</p> <p><b>R2021:</b> CS3391 – OBJECT IRIENTED PROGRAMMING</p>
Faculty Name	Er.K.Khaja Mohideen
ICT Tool used (if any)	Google Classroom
LINK	<p><a href="https://classroom.google.com/u/1/?pli=1">https://classroom.google.com/u/1/?pli=1</a> (<a href="https://classroom.google.com/u/1/?pli=1">https://classroom.google.com/u/1/?pli=1</a>)</p> <p><a href="https://classroom.google.com/u/1/c/NDg0MDA1MjA5Mjc1">https://classroom.google.com/u/1/c/NDg0MDA1MjA5Mjc1</a> (<a href="https://classroom.google.com/u/1/c/NDg0MDA1MjA5Mjc1">https://classroom.google.com/u/1/c/NDg0MDA1MjA5Mjc1</a>)</p> <p><a href="https://classroom.google.com/u/1/c/NDM1NjA5NzkzMTY2">https://classroom.google.com/u/1/c/NDM1NjA5NzkzMTY2</a> (<a href="https://classroom.google.com/u/1/c/NDM1NjA5NzkzMTY2">https://classroom.google.com/u/1/c/NDM1NjA5NzkzMTY2</a>)</p>



Figure 5.8. online Material /Presentation in Websites for Peer Review and Critique

### C.THE WORK MUST BE REPRODUCIBLE AND DEVELOPED FURTHER BY OTHER SCHOLARS



**Figure 5.9. Online Material /Presentation can be reproducible and Developed further by other Scholars**

**D. STATEMENT OF CLEAR GOALS, USE OF APPROPRIATE METHODS, SIGNIFICANCE OF RESULTS, EFFECTIVE PRESENTATION AND REFLECTIVE CRITIQUE**

The Department is focused on the stated goals from its Vision and mission statements and derived effective methods on Learning and Teaching processes for Members of the Faculty and significance of results are validated and verified through its effective delivery of Teaching processes. The evaluation of the same is readily produced to committee for reflective critique.

The Statement of Golas are as follows:

1. Faculty members provide quality study materials to enrich student’s knowledge.
2. Mode of teaching in this institute is an amalgamation of the modern technology (e.g., power point presentation, audio/visual teaching etc.) with the traditional one.
3. The faculty shares the study material among the students via Google class room, websites, hand-outs, videos available in the drive etc.
4. Faculties shares the PPT’s for their subject topic with the current scenario in terms of development and applications to enhance the student knowledge. Additional NPTEL lectures and other virtual platform lectures are discussed.
5. The college library is the best place to go for self-education. The college library not only has a large number of books to suit students syllabus-related needs, but it also has a large number of books by prominent national and worldwide authors on a wide range of themes that students can use to sharpen and widen their knowledge. Students can also access a variety of magazines and periodicals relevant to many disciplines of science and technology at the library
6. Students are encouraged to take seminars in their subjects and recent development.
7. Students frequently use the library’s computers with internet activity to access various types of e-materials for their knowledge enhancement.
8. Students are encouraged to compete in numerous technological innovation challenges in order to improve their innovative thinking skills.
9. Soft Skill classes are routinely organized by the SSTP departments to improve students communication skills, interpersonal skills in order to prepare them for the professional world.
10. Faculty members are encouraged to publish more papers in reputed journals, which help them to keep themselves updated.

The appropriate methods selected and used for significant results are as follows:

**Table 5.6. List of appropriate methods used for Significant results**

S.No	INNOVATIONS IN TEACHING LEARNING
1	Materials availability in Website for effective Learning - Teaching Practices.
2	Active Teaching Learning Process using ICT Tool
3	ICT Tools for Assessment and Evaluation
4	Presentation in online Resources such as Slide Share
5	Peer Review and Critique for quality of materials

**Table 5.7. Proof of appropriate methods used for Significant results**

PARTICULARS	DETAILS
Academic year	2021-2022
Class	IIT
Subject Code and Subject name	GE3171 – Problem Solving using Python Programming Topic: Recursion
Faculty Name	Mr.S.Revathi
ICT Tool used (if any)	<a href="https://www.mathsisfun.com/games/towerofhanoi.html">https://www.mathsisfun.com/games/towerofhanoi.html</a> ( <a href="https://www.mathsisfun.com/games/towerofhanoi.html">https://www.mathsisfun.com/games/towerofhanoi.html</a> )



Figure 5.10. Online Material / Presentation used for Significant Results

5.6 Faculty as participants in Faculty development/training activities/STTPs (15)

Total Marks 15.00

Institute Marks : 15.00

Name of the faculty	Max 5 Per Faculty		
	2021-22 (CAYm1)	2020-21 (CAYm2)	2019-20 (CAYm3)
Dr. S.ARIF ABDUL RAHUMAN	0.00	0.00	0.00
S. ALAGESAN	5.00	0.00	0.00
R. LAVANYA	5.00	5.00	5.00
K. KHAJA MOHIDEEN	0.00	5.00	5.00
K. BACKIAVATHI	5.00	0.00	0.00
S.REVATHI	5.00	3.00	0.00
H.AYISHA ASHIFA	5.00	0.00	0.00
P.DHIVYA BHARATHI	5.00	5.00	0.00
M.MEHABOOB SUBAHANI	5.00	0.00	0.00
RUBIN JULIS	0.00	0.00	0.00
GANESH P	0.00	0.00	0.00
AMANULLAH M	5.00	5.00	5.00
Sum	40.00	23.00	15.00
RF = Number of Faculty required to comply with 20:1 Student Faculty Ratios per 5.1	9.95	9.75	9.35
Assessment [ $3*(Sum / 0.5RF)$ ]	24.12	14.15	9.63

Average assessment over 3 years: 15.97

#### 5.7 Research and Development (30)

Total Marks 21.00



## A. NUMBER OF QUALITY PUBLICATIONS IN REFEREED / SCI JOURNALS, CITATIONS, BOOKS/ BOOK CHAPTERS

Table 5.8. Publications list of Faculty Members

S.No	YEAR	TITLE OF THE PAPER	JOURNAL NAME	FACULTY NAME
1	2022-2023	Development of Machine Learning based microclimatic HVAC system controller for nano painted rooms using human skin temperature	Journal of Electrical Engineering & Technology (SCI)	Asst. Prof. R. Lavanya
2	2022-2023	IoT based customizable energy management system using cloud computing	NeuroQuantology (SCI)	Asst. Prof. R. Lavanya
3	2021-2022	Renewable energy with IoT and biomedical applications	Dipi Press OPC (Book )	Dr. M. Amanullah
4	2021-2022	Automated rain fall prediction enabled by optimized convolutional neural network based feature formation with adaptive long-short-term memory framework	Wiley online Library (SCI)	Dr. M. Amanullah
5	2021-2022	Blockchain Technology Empirical Studies on the Demand of Distributed Network	Journal of Physics: Conference Series (Scopus)	Dr. M. Amanullah
6	2021-2022	Cloud Aided Shared Data with Digital Signature user Revocation	Journal of Emerging Technologies and Innovation Research (UGC)	Asst. Prof. H. Ayisha Ashifa
7	2021-2022	Fuzzy Logic for Student Performance Evaluation	Journal of Emerging Technologies and Innovation Research (UGC)	Asst. Prof. P. Dhivya Bharathi
8	2020-2021	Science Discovery by means of K-means Clustering process and BPNN with Multispectral Satellite Images	Information Technology in Industry (SCI)	Asst. Prof. K. Khaja Mohideen
9	2019-2020	Accident Prevention by Eye-Gaze Tracking using Imaging Constraints	International Journal of Science and Technology (Scopus)	Asst. Prof. R. Lavanya
10	2019-2020	Spam Detection in SMS using Machine Learning through Text Mining	International Journal of Science and Technology (Scopus)	Asst. Prof. S. Alagesan

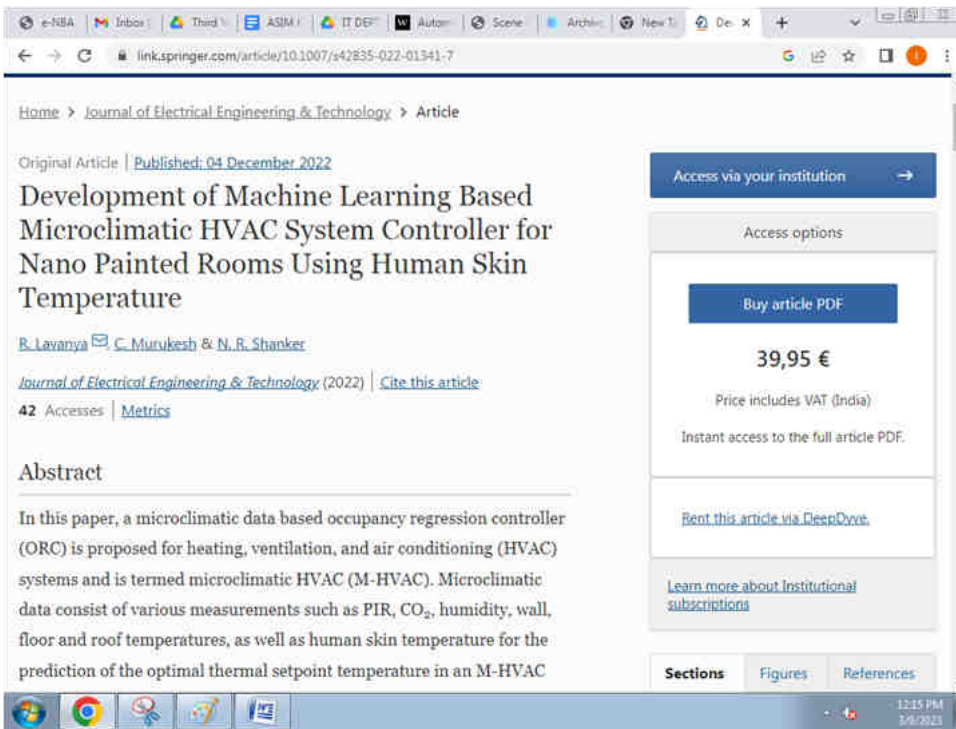


Fig. 5.11. Faculty Publication for CAY (2022-2023)

**B. PhD GUIDED / PhD AWARDED DURING THE ASSESSMENT PERIOD WHILE WORKING IN THE INSTITUTE**

Table 5.9. No of Faculty pursuing PhD for past 3years

S. No	YEAR OF JOINING	NAME OF THE FACULTY	RESEARCH AREA / UNIVERSITY	TITLE
1	2017	Asst.Prof. R. LAVANYA	DEEP LEARNING / ANNA UNIVERSITY	MIROCLIMATIC CONDITION BASED SEPOINT TEMPERATURE PREDICTION FOR HVAC USING DEEP LEARNING ALGORITHMS
2	2021	Asst.Prof. K.BACKIAVATHI	IMAGE PROCESSING / NIT SILCHAR	MEDICAL IMAGE PROCESSING
3	2022	Asst.Prof. S.ALAGESAN	IMAGE PROCESSING / NIT SILCHAR	MEDICAL IMAGE PROCESSING

5.7.2 Sponsored Research (5)

Institute Marks : 0.00

2021-22 (CAYm1)

Project Title	Duration	Funding Agency	Amount
ANDROID APP DEVELOPMENT	3 months	IFELSE TECHNOLOGIES	10000.00
			Total Amount(X): 10000.00

2020-21 (CAYm2)

Project Title	Duration	Funding Agency	Amount

2019-20 (CAYm3)

Project Title	Duration	Funding Agency	Amount

Cumulative Amount(X + Y + Z) =

**5.7.3 Development Activities (10)**



**A) PRODUCT DEVELOPMENT**

The faculty along with the students developed projects in the following areas:

1. MODERN WORKSPACE BASED POLICY MANAGEMENT WITH AI BASED RECORDS MANAGEMENT -INDUSTRY LIVE PROJECT
2. CONVOLUTIONAL NEURAL NETWORK FOR COMBUSTION DETECTION
3. DETECTION OF PATHOGENS IN-PLANTS
4. BRIDGE MONITORING SYSTEMS
5. COVID-19 PREVENTION BY MAINTAINING SOCIAL DISTANCE WITH COMPUTER VISION
6. CONTACTLESS HEART BEAT DETECTION SYSTEM
7. FOOD PRODUCT TRACKING USING BLOCK CHAINING
8. A SECURED SCHOOL BUS TRACKING AND STUDENTMONITORING SYSTEM

**Table 5.10. List of Projects Developed by the Department for CAYm1 (2021-22)**

S.No	REGISTER NUMBER	NAME OF THE STUDENT	TITLE OF THE PROJECT	NAME OF THE SUPERVISOR
1	110118205010	A. SALMA	MODERN WORKSPACE BASED POLICY MANAGEMENT WITH AI BASED RECORDS MANAGEMENT -INDUSTRY LIVE PROJECT	Asst. Prof. M.MEHABOOB SUBAHANI
	110118205014	K. SHABANA PARVEEN		
2	110118205005	A. MADHUMEGA	CONVOLUTIONAL NEURAL NETWORK FOR COMBUSTION DETECTION	Dr.M.AMANULLAH, Head/IT

**Table 5.11. List of Projects Developed by the Department for CAYm2 (2020-21)**

S.No	REGISTER NUMBER	NAME OF THE STUDENT	TITLE OF THE PROJECT	NAME OF THE SUPERVISOR
1	110117205015	M.A. RABIYA NOORIE	DETECTION OF PATHOGENS IN-PLANTS	Dr. M. AMANULLAH
	110117205016	M. SHANOFAR JUHI		
	110117205007	M. MOHAMED ABDUL MALIK		
2	110117205010	M. MOHAMED ASHIK	BRIDGE MONITORING SYSTEMS	Asst.Prof. S. ALAGESAN
	110117205301	E. DASS		
	110117205008	S. MOHAMED ABUBACKER		
3	110117205011	A. MOHAMED ASSIF	COVID-19 PREVENTION BY MAINTAINING SOCIAL DISTANCE WITH COMPUTER VISION	Asst.Prof. S. ALAGESAN

**Table 5.12. List of Projects Developed by the Department for CAYm3 (2019-20)**

S.No	REGISTER NUMBER	NAME OF THE STUDENT	TITLE OF THE PROJECT	NAME OF THE SUPERVISOR
1	110116205001	M. AFZAL	CONTACTLESS HEART BEAT DETECTION SYSTEM	Asst. Prof. P. GANESH
	110116205002	H. AL ANSARI		
	110116205015	K. MOHAMME D FARHAN		
2	110116205003	ARSHIYA AFRIN	FOOD PRODUCT TRACKING USING BLOCK CHAINING	Asst.Prof. S. ALAGESAN
	110116205006	G. JEEVITHAMANI		
3	110116205004	R. ELIYAS AHAMED	A SECURED SCHOOL BUS TRACKING AND STUDENTMONITORING SYSTEM	Dr.M.AMANULLAH, Head/IT

**B) RESEARCH LABORATORIES****Table 5.13. Research Laboratories**

S.No.	NAME OF THE RESEARCH LAB	NAME OF THE FACULTY IN-CHANGE	ACTIVITIES
1	Project Laboratory	Asst. Prof. C. S. Nandhini	Mini project and Final project are scheduled and executed
2	R&D Laboratory	Asst. Prof. B. Dhivya Bharathi	Real Time Projects Development Using Latest Technologies

**C) INSTRUCTION MATERIALS****1. E-content development**

The subject handling faculty will prepare and provide materials for the subject and laboratory handled by them for every semester. The materials and question bank placed in college portal (<https://www.aalimec.ac.in/departments/it>)

**2. Laboratory Manuals**

Laboratory manuals are prepared with the latest experiments by our faculty members and provided to students.

**Table 5.14. List of Laboratory Manuals**

S.No	NAME OF THE LABORATORY	NAME OF THE FACULTY
1	Security Laboratory	Asst. Prof. S.Revathi
2	Web Technology Laboratory	Asst. Prof. K.Khaja Mohideen
3	Mobile Application Development Laboratory	Asst. Prof. P.Dhivya Bharathi
4	Information Technology Essential Laboratory	Asst. Prof. K.Khaja Mohideen
5	Network Laboratory	Asst. Prof. S. Alagesan
6	Data Structure Laboratory	Asst. Prof. H. Ayisha Ashifa
7	Object Oriented Programming in java Laboratory	Asst. Prof. P.Dhivya Bharathi
8	Data Base Management System Laboratory	Asst. Prof. R.Lavanya
9	Operating System Laboratory	Asst. Prof. C.S. Nandhini
10	Python Laboratory	Asst. Prof. K. Khaja Mohideen
12	Object-Oriented Analysis and Design Laboratory	Asst. Prof. H. Ayisha Ashifa
13	C Programming Laboratory	Asst. Prof. S.Revathi

**5.7.4 Consultancy(from Industry) (5)**

Institute Marks : 3.00

**2021-22 (CAYm1)**

Project Title	Duration	Funding Agency	Amount
WIRED ASSESSMENT PROGRAMME	1 year	Core Integra Consulting Services Pvt Ltd	544000.00
			Total Amount(X): 544000.00

**2020-21 (CAYm2)**

Project Title	Duration	Funding Agency	Amount
WIRED ASSESSMENT PROGRAMME	6 months	Core Integra Consulting Services Pvt Ltd, Pangea & MeritTrac service Private limited	139928.00
			Total Amount(Y): 139928.00

**2019-20 (CAYm3)**

Project Title	Duration	Funding Agency	Amount
Web site Development for College	1	IfElse Technologies	70185.00
			Total Amount(Z): 70185.00

Cumulative Amount(X + Y + Z) = 754113.00

**5.8 Faculty Performance Appraisal and Development System (FPADS) (30)**

Total Marks 30.00



## **A. A WELL-DEFINED PERFORMANCE APPRAISAL AND DEVELOPMENT SYSTEM INSTITUTED FOR ALL THE ASSESSMENT YEARS**

### **Faculty Performance Appraisal and Development System (FPADS)**

An effective performance appraisal system for Faculty is vital for optimizing the contribution of individual Faculty to institutional performance.

### **Systematic approach for Performance Appraisal and Development System (FPADS)**

#### **Goal:**

To derive the Quality metrics, our Institution attempts to chisel out the total quality person through a persistent focus on the specific guidelines of the All India Council for Technical Education (AICTE).

We strive towards an institutionalized quality control process through the following quality focused approach in imparting quality education:

1. Improvement in quality of teaching and research by regular inputs to all concerned based on feedback from students.
2. Providing inputs for Academic Audit and analysis of results for improvement in areas found weak.

### **The procedural steps of Performance Appraisal and Development System (FPADS):**

#### **1. Faculty Appraisal Form (FAF) Filling**

##### **a. Teaching process data filling**

The teaching process is valued based on the Faculty Member's Academic assignment are filled by the Faculty member.

##### **b. Student's Feedback data filling**

The feedbacks from the student at the end of the semester through Student's Feedback Forms are received and are summarized and are used to fill Faculty Appraisal Form by the Faculty member.

##### **c. Department activities performance data filling**

The data should include the responsibilities assigned at department level. The number of Courses (Subjects) assigned and classes taken are filled under Department activities in Faculty Appraisal Form by the Faculty member.

##### **d. Institute Activities taken and its performance filling**

The data should include the responsibilities assigned at Institution level. The filled Department activities in Faculty Appraisal Form is reviewed and analyzed by the HOD.

##### **e. The Annual Confidential Report (ACR) filling**

The different levels of performance metrics are reviewed and the data are filled by the Head of the Department.

##### **f. Contribution to Society data filling**

The data should include the responsibilities initiated and performed for society is filled by the Faculty member.

#### **2. Faculty Appraisal Form (FAF) Review Level\_I**

The reviews summary of filled Faculty Appraisal Forms are forwarded to recommendation statements for appraisal to the Internal Quality Assurance Cell (IQAC).

#### **3. Faculty Appraisal Form (FAF) Review Level\_II**

At the end of every academic year HOD will prepare an Annual Confidential Report (ACR) for each Faculty Member and submits comparative analysis to The Principal.

#### **4. Completing Performance Appraisal and Development System process**

The summary of ACR will be referred for the purpose of accessing the faculty member performance and promotions.

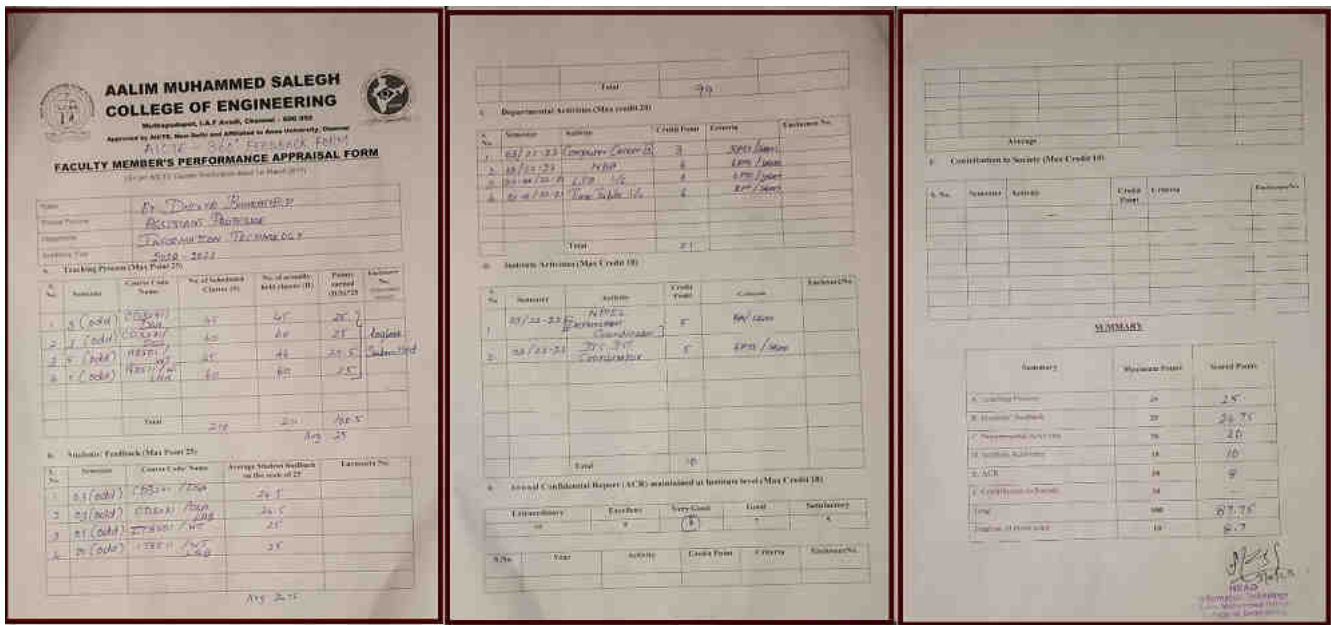


Figure 5.12. AICTE 360<sup>0</sup> Feedback report

**B. ITS IMPLEMENTATION AND EFFECTIVENESS**

**An Effective implementation of Performance Appraisal and Development System (FPADS):**

- a. Our institution follows the AICTE approved self-appraisal method to evaluate Faculty Members regarding research and other activities.
- b. The Internal Quality Assurance Cell (IQAC) regularly monitors and collects the annual self-appraisals in the prescribed format from each Faculty member, duly forwarded by the Head of the Departments and reviewed by Department Advisory Cell (DAC).
- c. Faculty Members are individually apprised of their strengths and weaknesses by their respective Heads and encouraged to achieve higher goals.
- d. The appraisals also help to assess the merit of the faculty members in applying for personal promotions.

**Procedure for evaluation of Faculty Appraisal Form (FAF)**

1. The Faculty Members are provided with two forms namely students feedback form and faculty appraisal form at the end of each semester.
2. The Faculty Members are provided with Annual Confidentiality Report (ACR) at the end of each academic year in addition to student feedback form and faculty appraisal form.
3. The Student feedback forms are distributed among the students at the end of the semester after completing the syllabus.
4. The assigned student submits filled form it to the HOD in person to avoid any influence and the details of the student is made optional.
5. The faculty member submits the filled faculty self appraisal form to the HOD in person.
6. Every faculty member is assessed in terms of conduct of classes, research and societal activities.

**5.9 Visiting/Adjunct/Emeritus Faculty etc. (10)**

Total Marks 10.00  
Institute Marks : 10.00

**List of Visiting / Adjunct / Emeritus Faculty Members for past 3 years**

1. Dr. I. KIRUBA RAJI  
156, FLAT NO. A5, IVB IRIS, 20<sup>th</sup> AVENUE, BANU NAGAR, PUDUR  
CHENNAI
2. Er. MOHAMMED AADIL  
FOUNDER -CEO  
IFELSE TECHNOLOGIES  
CHENNAI

**6 FACILITIES AND TECHNICAL SUPPORT (80)**

Total Marks 80.00

**6.1 Adequate and well equipped laboratories, and technical manpower (30)**

Total Marks 30.00  
Institute Marks : 30.00

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Computer Center 3	60	Server- Processor: HP (Intel Xeon Bronze 3106 Gen 10 SVC (1.7GHz/8-core/11MB) RAM: HPE 64GB DDR4-2666(4*16GB) 3TB Hard disk (1TB SATA 7.2k LEF LP DS HDD*3) RAID Controller: HPE SMART ARRAY S100i SR Gen 10SW RAID (0, 1, 10, 5) HP Work Station Computer - Processor: Intel Core i5 3rd Generation 3.20GH RAM: 8GB, DDR3 HARD DISK: 500 GB –HDD)	28 Hours/Week	Tippu Sultan S	Lab Instructor	B.E
2	Computer Center 4	17	Server- Processor: HP (Intel Xeon Bronze 3106 Gen 10 SVC (1.7GHz/8-core/11MB) RAM: HPE 64GB DDR4-2666(4*16GB) 3TB Hard disk (1TB SATA 7.2k LEF LP DS HDD*3) RAID Controller: HPE SMART ARRAY S100i SR Gen 10SW RAID (0, 1, 10, 5) Dell Work Station Computers - Processor: Intel Core i3 2nd Generation 3.10GH, RAM: 2GB, DDR3 HARD DISK: 320 GB -HDD)	20 Hours/Week	Dinesh. A	Lab Instructor	Diploma
3	Computer Center 5	33	Server- Processor: HP (Intel Xeon Bronze 3106 Gen 10 SVC (1.7GHz/8-core/11MB) RAM: HPE 64GB DDR4-2666(4*16GB) 3TB Hard disk (1TB SATA 7.2k LEF LP DS HDD*3) RAID Controller: HPE SMART ARRAY S100i SR Gen 10SW RAID (0, 1, 10, 5) HP Work Station Computer - Processor: Intel Core i5 3rd Generation 3.20GH RAM: 8GB, DDR3 HARD DISK: 500 GB –HDD)	30 Hours/Week	Tippu Sultan S	Lab Instructor	B.E

6.2 Additional facilities created for improving the quality of learning experience in laboratories (25)

Total Marks 25.00

Institute Marks : 25.00

Sr. No	Facility Name	Details	Reason(s) for creating facility	Utilization	Areas in which students are expected to have enhanced learning	Relevance to POs/PSOs
1	Machine Learning	Weka and Python.	Feature based Classification, clustering and regression patterns	20 Hours/Week	Image Processing, Segmentation, Summarization, Sentimental Analysis	PO1, PO2, PO3, PO4, PO5, PO11, PO12, and PSO2.
2	IOT	Arduino and Thermal Camera	Programming is embedded on the microcontrollers of latest Arduinos	For the automation of real time industry projects	Home automation, Smart city and Automated water plants.	PO1, PO2, PO3, PO4, PO5, PO11, PO12, and PSO1, PSO2.
3	Deep Learning	Deep neural networks using NumPy.	To give solutions in the field of computer vision, Natural Language Processing and Pattern Recognition	For complex learning problems	Automatic speech recognition. Image recognition. Visual art processing and Natural language Processing.	PO1, PO3 PO4, PO5, PO9, PO10, PO11, PO12 and PSO2
4	Cloud Computing	VMware software, Evolving cloud computing platform provided by VMware.	Provides hands on exposure of cloud computing to the students.	For better carrier opportunities and the implementation of projects.	Cloud computing	PO1, PO2, PO3, PO4, PO5, PO11, PO12, and PSO2.
5	ICT	Students gain knowledge and skills.	To train students and develop they ready for industry	Enablers to equitable access to information and knowledge.	Web Designing & Scripting, Entrepreneurship Training.	PO4,PO5,PO9,PO11, PO12,PSO1,PSO2
6	Internet Facility	Bandwidth 500 Mbps.	For students to enhance their knowledge	It is available throughout the year for utilization.	Project, Mini Project, real time application and Inter institute technical event	PO10, PO12, PSO1
7	E-learning and journals	Research, learning and teaching in the digital environment.	To help students to enhance their knowledge with latest trends and updates in the field of technology.	It is available throughout the year for utilization	Project, Mini Project and Inter institute technical event	PO1, PO2, PO12,PSO1
8	White Boards	All labs are equipped with White Board.	For Explaining Experiments.	For Delivering the procedure and steps involved in the design of experiments.	Better understanding of the procedure	PO10
9	Projector	Projectors which can be used in any lab.	For Explaining Experiments.	For Demonstrating to conduct Special training programs.	Seminar, Project and Mini Project	PO10, PSO1

**6.3 Laboratories: Maintenance and overall ambiance (10)**

Total Marks 10.00





**MAINTENANCE AND OVERALL AMBIANCE****Table 6.3 Maintenance and Overall Ambience**

S.No	Name of the Item	Condition/ Details
1	Internet Facility	Bandwidth 500 Mbps
2	Department Library	Program Specific text books and Lab Manual.
3	Digital Library	DELNET(Developing Library Network)
4	Chairs	Good
5	Desks	Good
6	Air Circulation in Laboratory	Good
7	Lighting	Good
8	Maintenance of Computer Laboratory	Good
9	White Boards	Good
10	Projector	Good

**Maintenance:**

1. Lab technician checks the working condition of the equipment/systems on an every week and stock verification will be conducted at the end of every academic year.
2. Separate registers are kept for maintenance, utilization and cleaning of individual laboratories.
3. All necessary PC systems and regular software like Browser, Lab Software, antivirus software etc, are installed and maintained.
4. Labs are provided with Intercom Telephone Facilities and Fire Extinguisher.
5. Labs are equipped with good technical supporting staff available during working hours and beyond.
6. One teaching faculty and a lab instructor are incharge of the overall functioning and maintenance of each lab.
7. The lab instructor will intimate any breakage or necessity of repair to the lab incharge on the same day of the event.
8. Faculty incharge submit the report to the head of the department and forward it to the principal for seeking external support and for information.
9. After principal's approval, the concerned external expert will perform the repair/service work.
10. Lab instructor enters the bill of charges in the relevant repair/maintenance stock register of the concerned laboratory.
11. Faculty incharge forwards the repair/service bill to the campus manager for the financial disbursement.

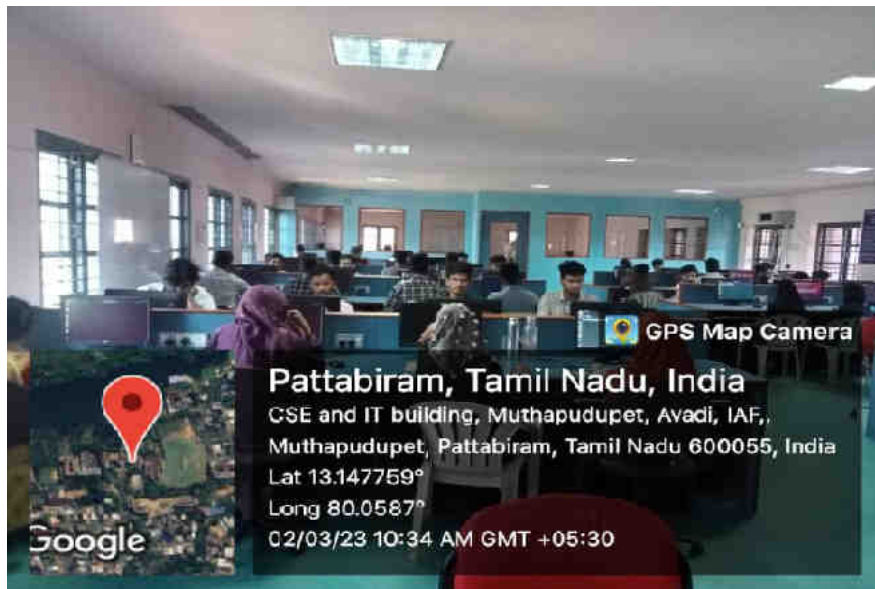


Figure 6.3.1 Proof of Computer Centre 3

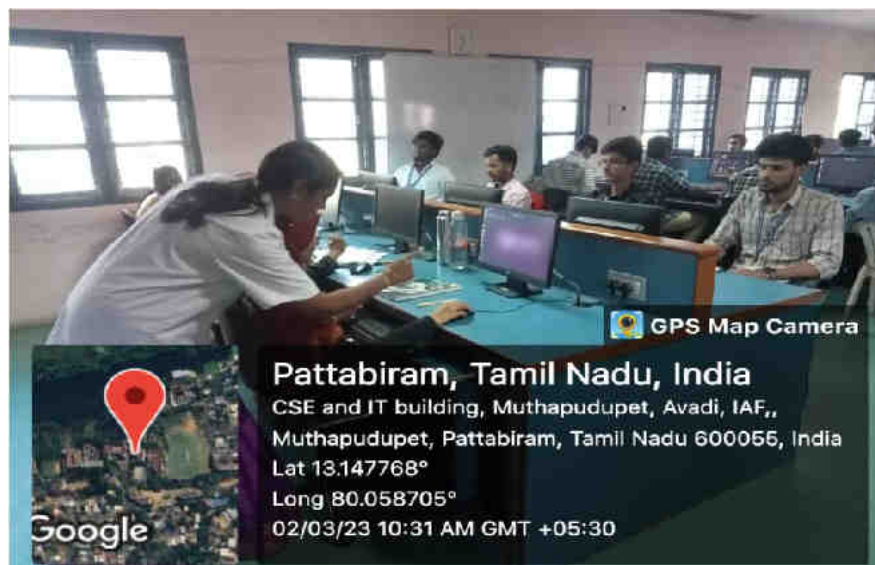


Figure 6.3.2 Proof of Computer Centre 4



Figure 6.3.3 Proof of Computer Centre 5

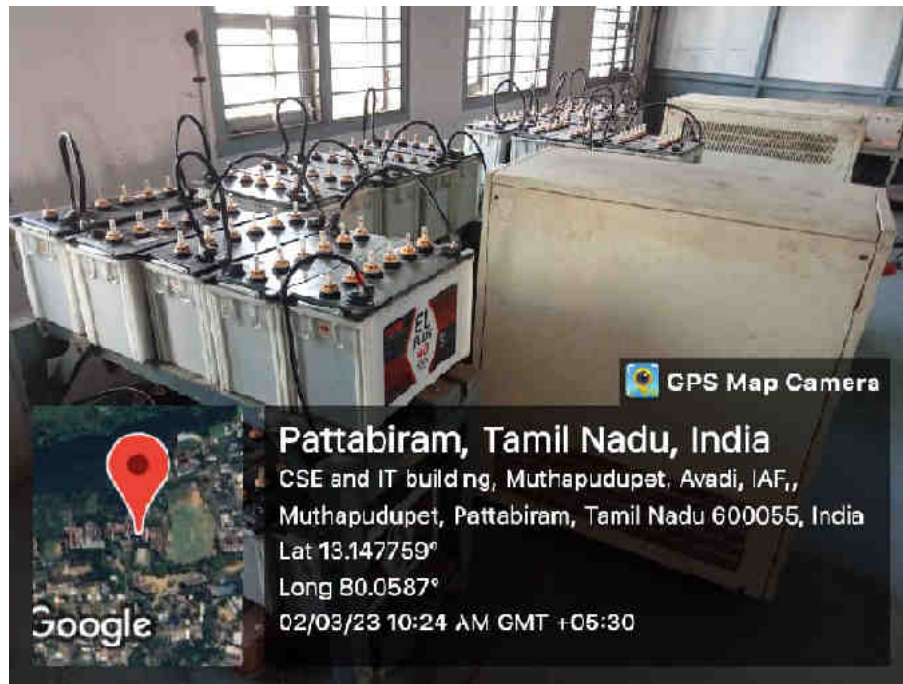


Figure 6.3.4 Proof of UPS and Battery for Systems

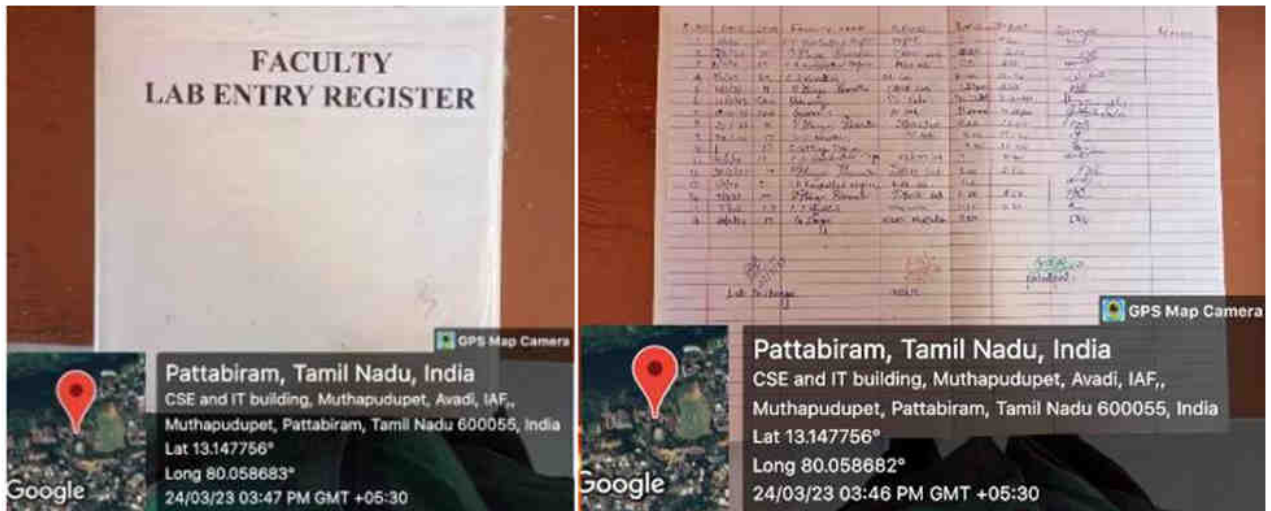


Figure 6.3.5 Proof of Faculty Lab Entry Register

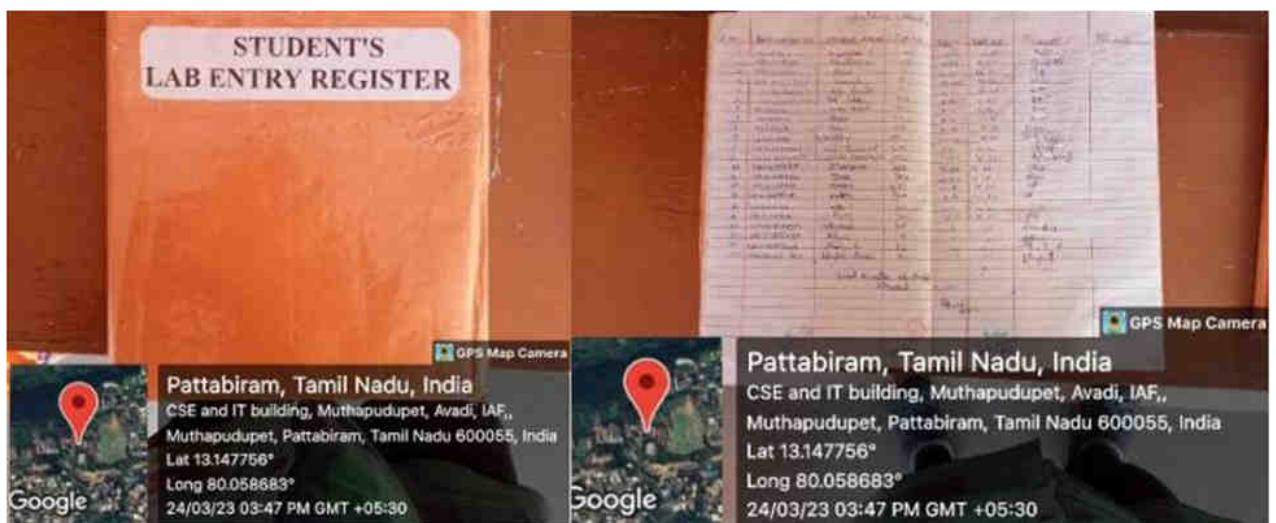


Figure 6.3.6 Proof of Student Lab Entry Register

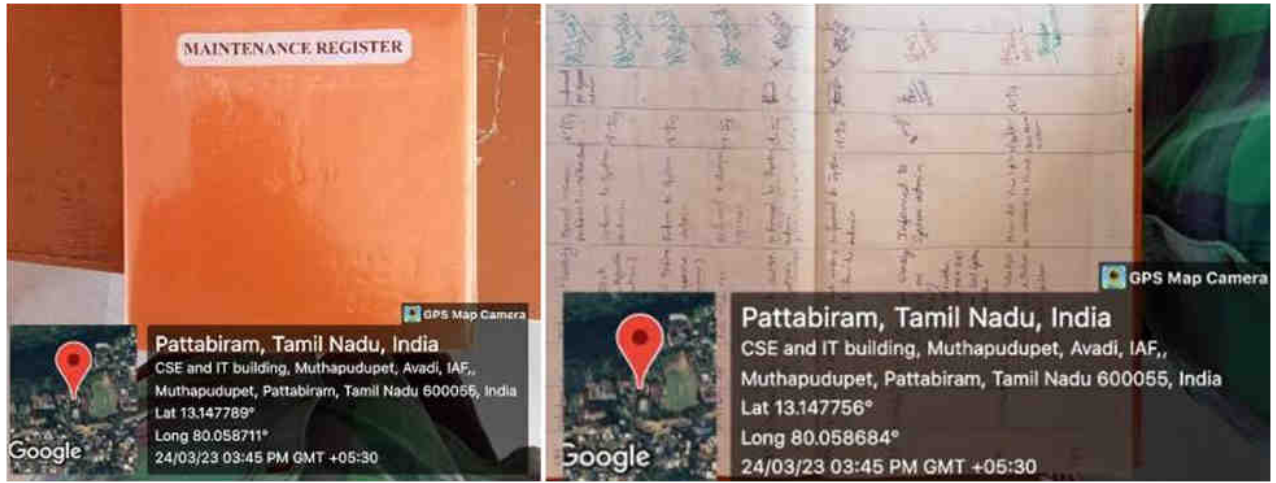


Figure 6.3.7 Proof of Lab Maintenance Register

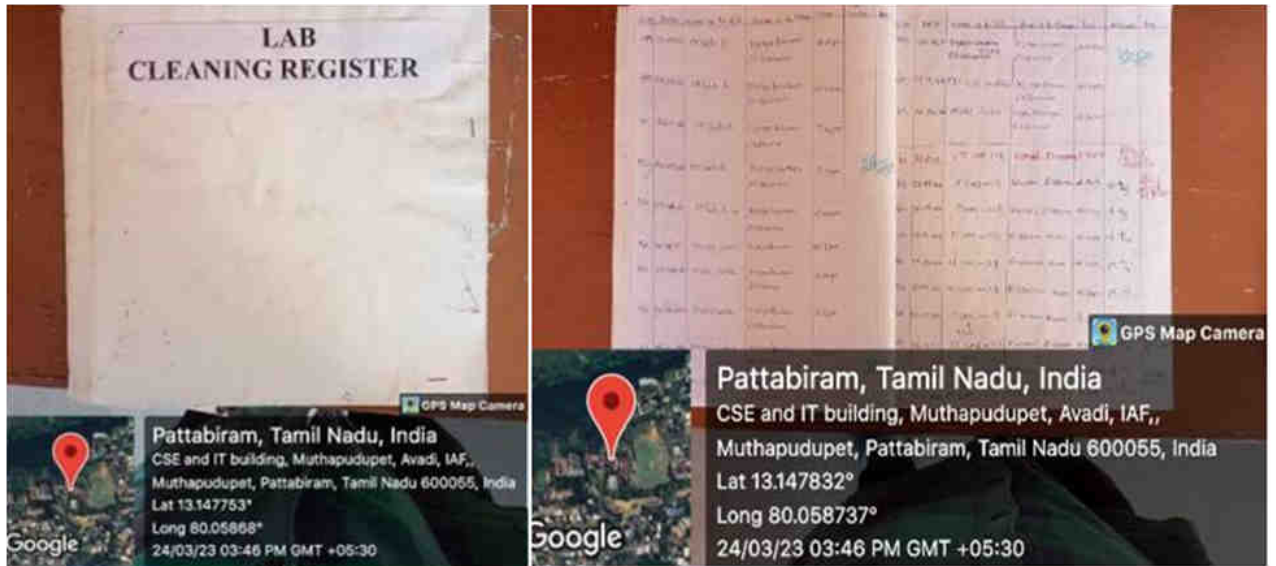


Figure 6.3.8 Proof of Lab Cleaning Entry Register

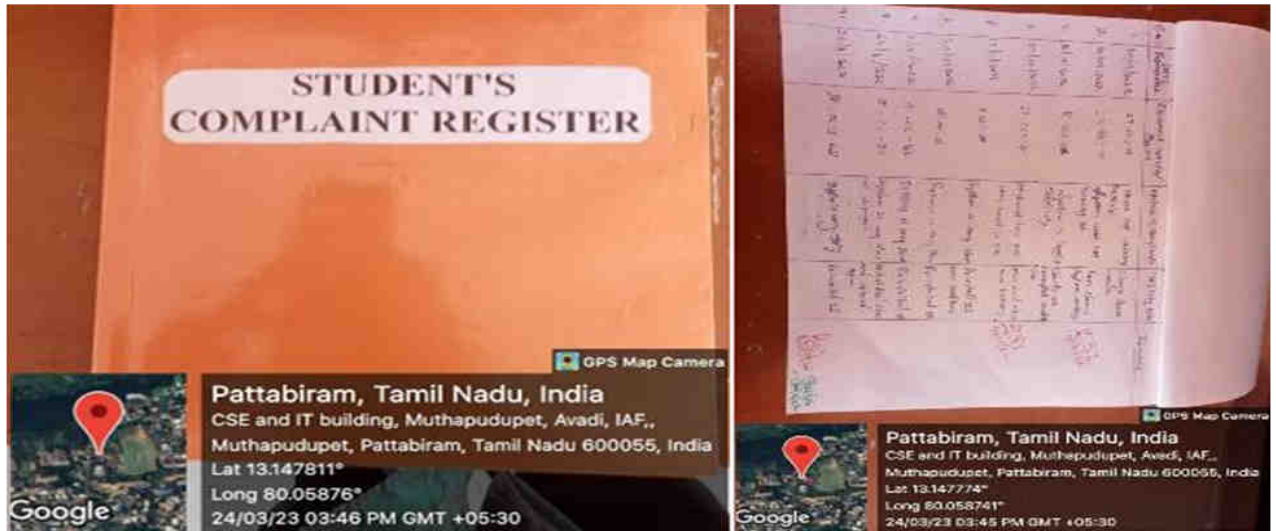


Figure 6.3.9 Proof of Lab Students Complaint Register

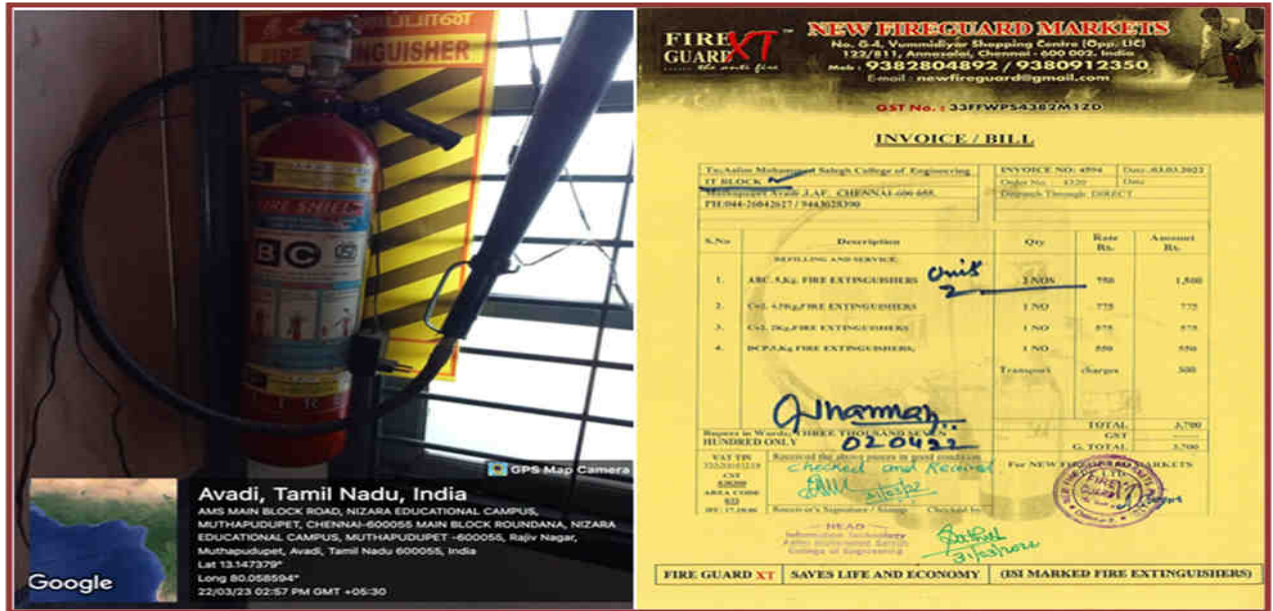


Figure 6.3.10 Proof of Fire Extinguisher Maintenance.

6.4 Project laboratories (5)



**6.4 PROJECT LABORATORY**

1. In Computer Center 5 lab 33 computers is available for Project work and Mini Project by students.
2. Project Laboratory enables students to obtain hands-on experience and to realize their project ideas as executable projects.
3. High speed internet facilities are available in the laboratory.
4. This lab is equipped with two 15 KVA UPS, 240V DC along with batteries which are used as backup to support power failures.

**Table 6.4 List of Project Laboratories**

S.No.	Name of the Center	Hardware Specification	Company Name	Software Details	
1	Computer Centre 3	<p><b>Server-</b></p> <p><b>Processor:</b> HP (Intel Xeon Bronze 3106 Gen 10 SVC (1.7GHz/8-core/11MB)</p> <p><b>RAM:</b> HPE 64GB DDR4-2666(4*16GB) 3TB Hard disk (1TB SATA 7.2k LEF LP DS HDD*3)</p> <p><b>RAID Controller:</b> HPE SMART ARRAY S100i SR Gen 10SW RAID (0, 1, 10, 5)</p> <p><b>60 HP Work Station Computer -</b></p> <p><b>Processor:</b> Intel Core i5 3<sup>rd</sup> Generation 3.20GH</p> <p><b>RAM:</b> 8GB, DDR3</p> <p><b>HARD DISK:</b> 500 GB –HDD)</p> <p><b>UPS:</b></p> <p>Capacity - 15 KVA</p> <p>DC Vol - 240</p> <p>Input Vol - 415 V</p> <p><b>Batteries:</b></p> <p>Type: FEOO-6EL4OT</p> <p>Model - EL PLUS 40</p> <p>12V 40Ah</p>	<p><b>Server:</b> HP</p> <p><b>Computers:</b> HP Desktop</p> <p><b>UPS:</b> Numeric</p> <p><b>Batteries:</b> EXIDE Tubular</p>	<ol style="list-style-type: none"> <li>1. GCC Compiler,</li> <li>2. Ubuntu,</li> <li>3. Java Development Kit ,</li> <li>4. My Eclipse,</li> <li>5. Net beans IDE 8.0,</li> <li>6. Apache Tomcat ,</li> <li>7. Python 3.7,</li> <li>8. My SQL,</li> <li>9. XAMPP Server,</li> <li>10. Android Studio,</li> <li>11. NS2,</li> <li>12. Anaconda.</li> </ol>	Hands-on



<p>2</p>	<p><b>Computer Centre 4</b></p>	<p align="center"><b><u>Server-</u></b></p> <p><b>Processor:</b> HP (Intel Xeon Bronze 3106 Gen 10 SVC (1.7GHz/8-core/11MB)</p> <p><b>RAM:</b> HPE 64GB DDR4-2666(4*16GB) 3TB Hard disk (1TB SATA 7.2k LEF LP DS HDD*3)</p> <p><b>RAID Controller:</b> HPE SMART ARRAY S100i SR Gen 10SW RAID (0, 1, 10, 5)</p> <p align="center"><b><u>17 Dell Work Station Computers -</u></b></p> <p><b>Processor:</b> Intel Core i3 2<sup>nd</sup> Generation 3.10GH,</p> <p><b>RAM:</b> 2GB, DDR3</p> <p><b>HARD DISK:</b> 320 GB -HDD)</p> <p align="center"><b><u>UPS:</u></b></p> <p>Capacity - 15 KVA DC Vol - 240 Input Vol - 415 V</p> <p align="center"><b><u>Batteries:</u></b></p> <p>Type: FEOO-6EL4OT Model - EL PLUS 40 12V 40Ah</p>	<p align="center"><b>Server:</b> HP</p> <p align="center"><b>Computers:</b> HP Desktop</p> <p align="center"><b>UPS:</b> Numeric</p> <p align="center"><b>Batteries:</b> EXIDE Tubular</p>	<ol style="list-style-type: none"> <li>1. GCC Compiler,</li> <li>2. Ubuntu,</li> <li>3. Java Development Kit ,</li> <li>4. My Eclipse,</li> <li>5. Net beans IDE 8.0,</li> <li>6. Apache Tomcat ,</li> <li>7. Python 3.7,</li> <li>8. My SQL,</li> <li>9. XAMPP Server,</li> <li>10. Android Studio,</li> <li>11. NS2,</li> <li>12. Anaconda.</li> </ol>	<p>Researc activiti student</p>
<p>3</p>	<p><b>Computer Centre 5</b></p>	<p align="center"><b><u>Server-</u></b></p> <p><b>Processor:</b> HP (Intel Xeon Bronze 3106 Gen 10 SVC (1.7GHz/8-core/11MB)</p> <p><b>RAM:</b> HPE 64GB DDR4-2666(4*16GB) 3TB Hard disk (1TB SATA 7.2k LEF LP DS HDD*3)</p> <p><b>RAID Controller:</b> HPE SMART ARRAY S100i SR Gen 10SW RAID (0, 1, 10, 5)</p> <p align="center"><b><u>33 HP Work Station Computer -</u></b></p> <p><b>Processor:</b> Intel Core i5 3<sup>rd</sup> Generation 3.20GH</p> <p><b>RAM:</b> 8GB, DDR3</p> <p><b>HARD DISK:</b> 500 GB –HDD)</p> <p align="center"><b><u>UPS:</u></b></p> <p>Capacity - 15 KVA DC Vol - 240 Input Vol - 415 V</p> <p align="center"><b><u>Batteries:</u></b></p> <p>Type: FEOO-6EL4OT Model - EL PLUS 40 12V 40Ah</p>	<p align="center"><b>Server:</b> HP</p> <p align="center"><b>Computers:</b> HP Desktop</p> <p align="center"><b>UPS:</b> Numeric</p> <p align="center"><b>Batteries:</b> EXIDE Tubular</p>	<ol style="list-style-type: none"> <li>1. GCC Compiler,</li> <li>2. Ubuntu,</li> <li>3. Java Development Kit ,</li> <li>4. My Eclipse,</li> <li>5. Net beans IDE 8.0,</li> <li>6. Apache Tomcat ,</li> <li>7. Python 3.7,</li> <li>8. My SQL,</li> <li>9. XAMPP Server,</li> <li>10. Android Studio,</li> <li>11. NS2,</li> <li>12. Anaconda.</li> </ol>	<ol style="list-style-type: none"> <li>1. Proj</li> <li>2. Min</li> <li>3. A st com</li> </ol>



Figure 6.4 Proof of Computer Center 5

6.5 Safety measures in laboratories (10)

Total Marks 10.00

Institute Marks : 10.00

Sr. No	Laboratory Name	Safety Measures
1	Computer Center-3	<ol style="list-style-type: none"> <li>1. In the laboratory, Green computing guidelines are displayed.</li> <li>2. Technical staff members are trained in fire and safety precautions.</li> <li>3. Functionality of workstation computers are checked on daily basis, monthly basis and semester wise.</li> <li>4. Workstation computers are protected with internet security software.</li> <li>5. Software firewall protection is enabled in the router.</li> <li>6. Separate user account is provided to each student to prevent installation of pirated software.</li> <li>7. VPI / VCI are enabled in the router.</li> <li>8. College domain mail ID is allowed to use as login credentials.</li> <li>9. Laboratories are periodically sanitized.</li> <li>10. Basic vulnerability posters are displayed in the laboratory.</li> <li>11. Near the computer laboratory Fire extinguisher and First aid box are installed.</li> <li>12. Proper earthing by providing ELCB's and sagging of data cables are taken care.</li> </ol>
2	Computer Center-4	<ol style="list-style-type: none"> <li>1. In the laboratory, Green computing guidelines are displayed.</li> <li>2. Technical staff members are trained in fire and safety precautions.</li> <li>3. Functionality of workstation computers are checked on daily basis, monthly basis and semester wise.</li> <li>4. Workstation computers are protected with internet security software.</li> <li>5. Software firewall protection is enabled in the router.</li> <li>6. Separate user account is provided to each student to prevent installation of pirated software.</li> <li>7. VPI / VCI are enabled in the router.</li> <li>8. College domain mail ID is allowed to use as login credentials.</li> <li>9. Laboratories are periodically sanitized.</li> <li>10. Basic vulnerability posters are displayed in the laboratory.</li> <li>11. Near the computer laboratory Fire extinguisher and First aid box are installed.</li> <li>12. Proper earthing by providing ELCB's and sagging of data cables are taken care.</li> </ol>
3	Computer Center-5	<ol style="list-style-type: none"> <li>1. In the laboratory, Green computing guidelines are displayed.</li> <li>2. Technical staff members are trained in fire and safety precautions.</li> <li>3. Functionality of workstation computers are checked on daily basis, monthly basis and semester wise.</li> <li>4. Workstation computers are protected with internet security software.</li> <li>5. Software firewall protection is enabled in the router.</li> <li>6. Separate user account is provided to each student to prevent installation of pirated software.</li> <li>7. VPI / VCI are enabled in the router.</li> <li>8. College domain mail ID is allowed to use as login credentials.</li> <li>9. Laboratories are periodically sanitized.</li> <li>10. Basic vulnerability posters are displayed in the laboratory.</li> <li>11. Near the computer laboratory Fire extinguisher and First aid box are installed.</li> <li>12. Proper earthing by providing ELCB's and sagging of data cables are taken care.</li> </ol>

7 CONTINUOUS IMPROVEMENT (50)

Total Marks 50.00

**7.1 Actions taken based on the results of evaluation of each of the POs & PSOs (20)**

Total Marks 20.00

Institute Marks : 20.00

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**POs Attainment Levels and Actions for Improvement- (2021-22)**

POs	Target Level	Attainment Level	Observations
<b>PO 1 : Engineering Knowledge</b>			
PO 1	1.8	2.4	Students were adequately aware of mathematics, sciences with engineering fundamentals. Students did not incline to attempt to write mathematical based equations in End Semester Examinations.
1. Students inclined to attend complex engineering problems in End Semester Examinations by giving practice. 2. Additional classes were conducted to improve the basics of mathematics and science. 3. Conducted short term course on Science and Engineering fundamentals.			
<b>PO 2 : Problem Analysis</b>			
PO 2	1.8	2.13	Students did not have inclination to attend Part C Questions because of lack of analytical skills.
1. Seminar presentations help them to find the solution to complex engineering problems and test and group discussions have been conducted for problem solving and to find solutions. 2. Students are encouraged to solve the problems during the class hours.			
<b>PO 3 : Design/development of Solutions</b>			
PO 3	1.8	2.23	Projects developed by the student are considering the social and environmental issues.
1.Environmental awareness Programs conducted for Practical approach of environmental issues in Society. 2. Projects leading to product design and development are encouraged.			
<b>PO 4 : Conduct Investigations of Complex Problems</b>			
PO 4	1.8	1.82	Students are focusing less on the analysis of data and presentation of results in laboratory classes. Such effort is observed in project works only.
1. Lectures by experts from research and development arranged. 2. Low performers are identified and regular practice is given in remedial classes to solve complex problems.			
<b>PO 5 : Modern Tool Usage</b>			
PO 5	1.8	2.01	Modern tools are identified as low in number based on syllabus given by the affiliating University.
1. Students are recommended to undergo internship in Modern tool usage based trainings. 2. Provided well equipped laboratories to meet the curriculum and research and development requirements 3. Industrial Visit and Value Added Courses are conducted to get more exposure and knowledge level.			
<b>PO 6 : The Engineer and Society</b>			
PO 6	1.8	1.61	Social relevance based projects are less in number.
1. Students are asked to identify the problem in social environment through registering themselves in Hackathon and Symposium. 2. Students are motivated to attend awareness program conducted by NSS.			
<b>PO 7 : Environment and Sustainability</b>			
PO 7	1.8	1.78	Awareness about disposal of e-waste is identified through assessment of professional ethics subject.
1. Students are made inclined to attend webinars for getting awareness of disposal of e-waste.			
<b>PO 8 : Ethics</b>			
PO 8	1.8	1.47	Ethical principles are inculcated to the Students who are successful in program completion. Professional Ethics course is offered as an elective.
1. The awareness programs such as Career guidance and motivational talks are arranged to improve the ethical values and responsibilities. 2. The students are insisted to under go Internship in Industry. 3. Conducted workshops through industry experts			
<b>PO 9 : Individual and Team Work</b>			
PO 9	1.8	1.93	Individual and team work are assessed during organizing the technical events like symposiums and conferences where effective communication is identified less.
1. Groups Discussions through Soft Skill Training Program (SSTP) are conducted. 2. Entrepreneur Development cell is created, various Skill developments and personality development programs are done to motivate and help to become a successful entrepreneur. 3. Students are motivated to do Mini Project for enhancing their team work.			
<b>PO 10 : Communication</b>			
PO 10	1.8	1.85	Report writing from project reports, effective communication of the document is identified and assessed as a moderate level.
1. Soft skills training is imparted to students to enhance various aspects of Seminar, Communication / technical talks by group discussions. 2. Providing adequate training to improve effective communication through Conference, Seminars, etc.			
<b>PO 11 : Project Management and Finance</b>			
PO 11	1.8	1.63	The students lack in effective planning and executing their projects.
1. Awareness about project management and finance are conducted through webinar, seminar and online courses. 2. Provided well equipped laboratory facilities with latest configuration tools to fulfill their project work requirements. 3. Conducting technical Symposiums, project expo to get exposure in multi disciplinary environments.			

PO 12 : Life-long Learning			
PO 12	1.8	1.63	Life long learning through online is provided through SWAYAM NPTEL video courses and the number of students passed out of the course is less in number.
1. We are encouraging the students to have life long learning through NAAN MUDHALVAN courses initiated by Tamil Nadu Government. 2. Using ICT facilities, a live demonstration of a topic imparted via video lecture includes new technological development tools.			

### PSOs Attainment Levels and Actions for Improvement- (2021-22)

PSOs	Target Level	Attainment Level	Observations
<b>PSO 1 : To adapt emerging Information and Communication Technologies in order to come up with new ideas and solutions for existing and new challenges.</b>			
PSO 1	1.8	1.51	Workshops and technical talk conducted by industry experts to develop new ideas and to adapt emerging technologies.
1. To strengthen the domain knowledge and make them job ready graduates, students are motivated to undergo internship training. 2. Students are encouraged to publish research papers in various national and international journals/conferences.			
<b>PSO 2 : To create software systems, components, or processes that meet specific requirements with financial, environmental, and societal constraints.</b>			
PSO 2	1.8	1.64	All the events organized by the department has helped the students to work in a team, communicate effectively with both internal and external stake holders to create software components and system and to meet financial, environmental and societal requirements.
1. Students are asked to do internship, mini projects and projects involving software process and components. 2. Students are motivated to participate in inter college events in state level and national level activities.			

### 7.2 Academic Audit and actions taken thereof during the period of Assessment (10)

Total Marks 10.00



**7.2 ACADEMIC AUDIT AND ACTIONS TAKEN DURING THE PERIOD OF ASSESSMENT (10) :****(ACADEMIC AUDIT SYSTEM/PROCESS AND ITS IMPLEMENTATION IN RELATION TO CONTINUOUS IMPROVEMENT)****A. ASSESSMENT SHALL BE DONE BASED ON CONDUCT AND ACTIONS TAKEN IN RELATION TO CONTINUOUS IMPROVEMENT: 10**

The process consists of internal audits and inter-departmental audits. These audits are conducted for faculties, laboratories, and departmental activities to ensure compliance and quality assurance.

**Academic Administration Audit:**

The following academic records maintained by faculty members are verified during the academic audit for meaningful outcomes.

1. Individual Time Table
2. Work Load
3. Lesson Plan
4. Lab Batch List
5. Lab Records
6. Attendance Register
7. Model Question Paper
8. Previous Year University Question Paper
9. Assignment Question Paper
10. Mark List Details

**Laboratory Audit:**


1. Lab Course File
2. Lab Manual
3. Laboratory Completion Report

To assess quality, academic auditing is conducted at three levels, which are as follows.

Table 7.1. Levels of Academic Auditing

S.No	Name of the Auditing	Level	Evaluation that is founded on.
1.	Internal Auditing	Faculty	COs/POs/PSOs
2.	DAC Auditing	Department	COs/POs/PSOs
3.	IQAC Auditing	Institute	COs/POs/PSOs




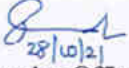



**AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING**  
MUTHAPUDUPET, AVADI – IAF, CHENNAI – 600 055.

**STOCK VERIFICATION REPORT**

This is to certify that the stocks in the IT lab (COMPUTER CENTRE-III) Lab of Information Technology department have been inspected, checked and verified with the stock register and found to be correct. The stock physical verification is successfully completed on 28.10.2021.

  
**Lab Incharge**  
(Inventory Holder)  
[S. RENATHA/AP/IT]

  
**Verification Officer**  
Asst. Prof. M. Shaik Mohamed

  
**HOD**  
- HEAD -  
Information Technology  
Aalim Muhammed Salegh  
College of Engineering


  
**PRINCIPAL**  
AALIM MUHAMMED SALEGH  
COLLEGE OF ENGINEERING

Figure 7.1.Proof of Audit Certificate for Stock Verification Report for CAYm1(2021 - 2022)

Table 7.2.List of Events Conducted to Improve Attainment of POs and PSOs for CAYm1(2021-2022)

S.No	Date	Gaps Identified	Guest Lectures/ Workshops/ Value Added Courses	Resource Person with Designation	No.of Students Participated	No of Hours	Relevance to POs,PSOs
1	25.08.2021	Imparting Techniques for Guiding Innovative Projects	Guest lecture	Dr.S.Sathish, Prof.,Mechanical Department, AMSCE.	50	3	PO1,PO9,PO10, PO11,PSO1, PSO2
2	08.09.21 & 09.09.21	Product Development Using Arduino	Workshop	Er.Sams Naveeth, M/s Azees Academy & Labs,Chennai	41	12	PO1,PO10,PO11, PSO1,PSO2
3	22.09.21 to 24.09.21	Digital Transformation	Short Term Course	Er.M. Pasupathy,Project Manager, NIIT Ltd, Ambattur.	45	18	PO2,PO3,,PO5, PO9
4	29.09.2021	IT in Management Control	Workshop	Er.Habib Mohamed,Team Lead, Barclays International Bank, Chennai.	52	6	PO2,PO4,PO9
5	22.11.2021	Secret to Success and Technology Trends in BIG DATA	Guest Lecture	Er.Aarif Mohamed Hussain, Associate Director, M/s.Cognizant Technology Solutions,Chennai	50	3	PO5,PO6,PO9, PO10,PO12.
6	24.01.2022	Programing in JAVA	NPTEL	Prof.Debasis Samantha, IIT Kharagpur	20	24	PO1,PO5,PO11, PO12,PSO1,PSO2
7	24.01.2022	Introduction of Dastabase Management Systems	NPTEL	Dr.P.Sreenivasa Kumar, IIT Madras	26	16	PO1,PO2,PO3, PSO1,PSO2.
8	17.02.2022 & 18.02.2022	Python And Its Real Time Applications	Workshop	Er.Mohammed Iliyas, M/s Altsense, Chennai	36	12	PO1,PO9,PO10, PO11,PSO1



Figure 7.2. Proof of Workshop on Python and its Real - Time Application for CAYm1 (2021 - 2022)

Table 7.3. List of Events Conducted to Improve Attainment of POs and PSOs for CAYm2 (2020-21)

S.No	Date	Gaps Identified	Guest Lectures/ Workshops/ Value added Courses	Resource Person with Designation	No.of Students Participated	No.of Hours	Relevance to POs,PSOs
1	16.09.2020 & 17.09.2020	PHP & Mysql	Workshop	Er.S.Stephenraj, Managing Director, M/s. Ads-e-Park, Chennai	52	12	PO1,PO10, PO11, PSO1,PSO2
2	23.09.2020	IT-Available Opportunities	Guest lecture	Er.M. Thiyagrajan, Associate Director- Internal Control and Compliance M/s. Thirdware Solutions Limited, DLF IT Park, Ramapuram, Chennai	34	3	PO3,PO4, PO5, PO9,PO10, PO1, PSO1,PSO2
3	24.09.2020	DataScience of Engineers	NPTEL	Prof.Ragunathan Rengasamy, Prof. Shankar Narasimhan, IIT Madras.	5	16	PO1,PO2, PO3, PO4,PO5, PO6,PO11,PO12, PSO1,PSO2
4	24.09.2020	An Introduction to Artificial Intelligence	NPTEL	Prof.Mausam,IIT Delhi	6	24	PO1,PO2, PO5, PO10,PO11, PSO1,PSO2
5	24.09.2020	Programming In Java	NPTEL	Prof.Debasis Samantha, IIT Kharagpur.	6	24	PO1,PO5, PO11, PO12,PSO1, PSO2.
6	19.10.2020 & 20.10.2020	Progressive Web App	Short term course	Er. Abdurrahim Salih Founder, V5 Innovations Pvt Ltd, Chennai	70	12	PO1,PO2, PO3, PO4,PO5
7	23.12.2020	Programming And Datastructures	Guest Lecture	Er.R.Annamalai, Assistant Professor, Jeppiaar Institute of Technology, Kancheepuram Dist.	51	3	PO2,PO3,,PO5, PO9
8	08.03.2021	Security Issues	Workshop	Er.Debi Prasad, Technical Head, Accel IT Academy, Vadapalani, Chennai.	36	3	PO1,PO2,PO3

9	11.06.2021	Robotic Process Automation	Webinar	Er.Syed Ali Fathima, Team Lead, Cognizant Technology Solutions, Chennai.	35	3	PO3,PO5,PO9,PO11,PSO1,PSO2
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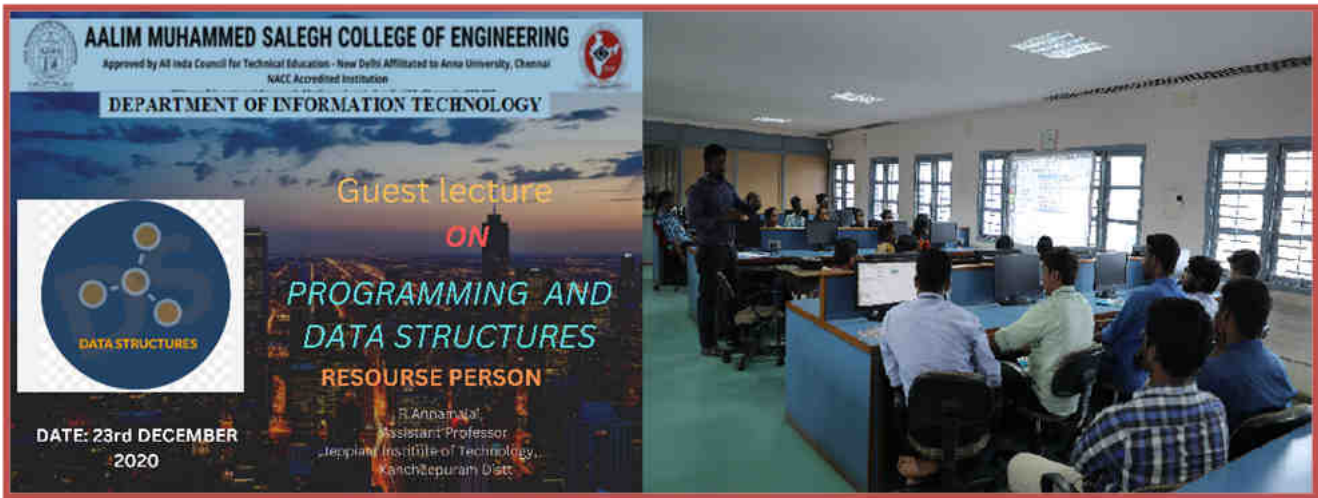


Figure 7.3.Proof of Guest Lecture on Programming and Data Structures for CAYm2(2020 - 2021)

Table 7.4.List of Events Conducted to Improve Attainment of POs and PSOs for CAYm3(2019-2020)

S.No	Date	Gaps Identified	Guest Lectures/ Workshops/ Value added Courses	Resource Person with Designation	No.of Students Participated	No.of Hours	Relevance to POs,PSOs
1.	24.07.2019	Programming in JAVA	NPTEL	Prof.Debasis Samantha, IIT, Kharagpur.	9	24	PO1,PO5, PO11, PO12,PSO1,PSO2.
2.	24.07.2019	Introduction to Machine Learning	NPTEL	Prof.Sudeshna Sarkar, IIT Kharagpur.	3	16	PO1,PO2,PO5,PO10,PO11,PSO1,PSO2
3	10.09.2019 & 11.09.2019	Java programme	Short Term Course	Er.S.Thamaraiselvam, Associate Manager, M/s.iNautix Technologies Pvt Ltd, Chennai.	46	12	PO1,PO9,PO10, PO11,PSO1,PSO2
4	18.10.2019	Web Programming	Guest Lecture	Er.S.Ahmed Ali, Asst.Prof., Dept.of.IT, Velammal Engineering College, Chennai - 66.	45	3	PO2,PO4,PO9
5.	24.01.2020	Database Management System	NPTEL	Prof.Partha Pratim Das, IIT, Kharagpur.	10	16	PO1,PO2,PO3,PSO1,PSO2
6.	24.01.2020	Artificial Intelligence:Knowledge Representation and Reasoning	NPTEL	Prof.Deepak Khemani, IIT Madras	3	3	PO1,PO2,PO5,PO10,PO11,PSO1,PSO2
7	28.01.2020 to 30.01.2020	Cyber Security	Short Term Course	Er.Mayank R Pandya, Devaum Technologies, Chennai.	35	18	PO1,PO9,PO10, PO11,PSO1,PSO2
8	11.03.2020 & 12.03.2020	Robotic Process Automation	Workshop	Er.Syed Ali Fathima, Team Lead - Robotic Process Automation, Chennai.	60	12	PO1,PO4,PO5 PO9,PO10, PO11,PSO1,PSO2



Figure 7.4. Proof of Workshop on Robotic Process Automation for CAYm3(2019 - 2020)

7.3 Improvement in Placement, Higher Studies and Entrepreneurship (10)

Total Marks 10.00



## A) IMPROVEMENT IN PLACEMENT NUMBERS,QUALITY,CORE HIRING INDUSTRY AND PAY PACKAGES

Table 7.5.Placement Details for CAYm1(2021-22)

S. No	No. of Students Placed	Name of Company	CTC Per Annum (in Rs)
1	2	M/s. CAPGEMINI	4 LPA
2	2	M/s. AVASOFT	3.5 LPA
3	1	M/s. INFOSYS LTD	3.6 LPA
4	1	M/s. WIPRO LTD	3.5 LPA
5	1	M/s. NTT DATA	3.5 LPA
6	2	M/s. MPHASIS	2.5 LPA

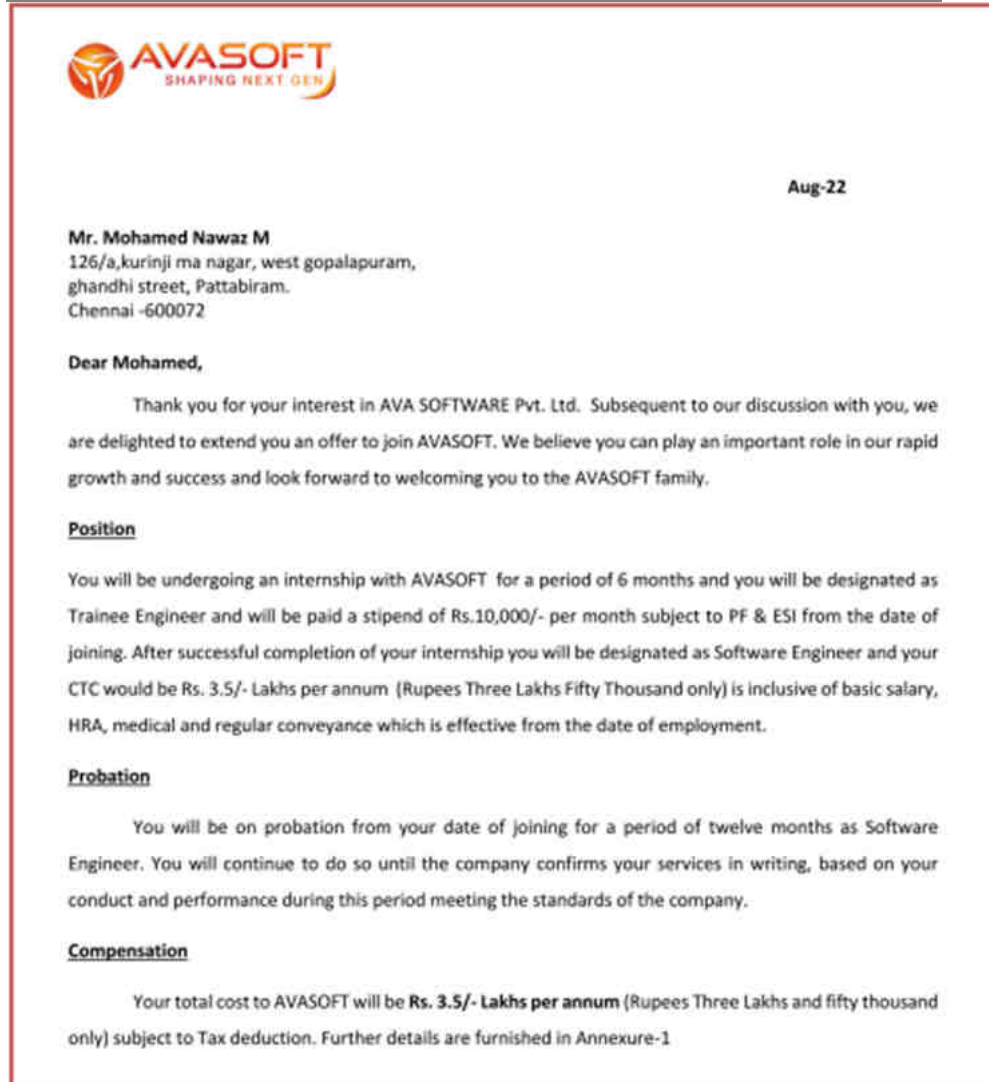


Figure7.5.Proof of Placement Offer Letter for CAYm1(2021-2022)

Table 7.6.Placement Details for CAYm2(2020-2021)

S.No	No. of Students Placed	Name of Company	CTC Per Annum (in Rs)
1	3	M/s. INFOSYS LTD	3.6 LPA
2	2	M/s. mc AMDOIS TECH SOLUTIONS PVT LTD	1.44 LPA
3	6	M/s.SUTHERLAND GLOBALSERVICES	2.5 LPA
4	1	M/s.ALCHEMY TECHSOL INDIA PVT.LTD	2.5 LPA
5	1	AMMANAH ELECTRONIC MARKETING COMPANY	2.5 LPA
6	1	M/s. AJAZ AL ARABIA LOGISTICS SERVICES EST	3 LPA

7	1	M/s.AL WATHBA SHARES AND BONDS CENTRE	1.44 LPA
8	1	M/s ACURUS	3 LPA
9	1	M/s. SATVAT INFOSOL PVT LTD	3 LPA
10	1	M/s NTT DATA	3.5 LPA

Figure7.6.Proof of Placement Offer Letter for CAYm2(2020 - 2021)


Table 7.7.Placement Details for CAYm3(2019-20)

S.No	No. of Students Placed	Name of Company	CTC Per Annum (in Rs)
1	1	M/s. EYGBS INDIA PVT LTD	3.61 LPA
2	1	M/s. TATA CONSULTANCY SERVICES	3.6 LPA
3	4	M/s. CSS CORP PVT LTD	2.5 LPA
4	2	M/s INTELIZIN	2.5 LPA
5	1	M/s. INVENT SOFT LABS	2.5 LPA
6	1	M/s. COGNIZANT TECHNOLOGY SOLUTIONS	4.01 LPA
7	2	M/s. SUTHERLAND GLOBAL SERVICES	2.5 LPA
8	2	M/s. GLENWOOD SYSTEMS (P)LTD	2.6 LPA
9	1	M/s. DOUBTNUT	3.6 LPA
10	1	M/s ADECCO INDIA PVT LTD	3 LPA

Cognizant

**09-Jun-2020**

Dear Seshapriya S,  
B.Tech/B.E., Information Technology  
Aalim Muhammed Salegh College of Engineering



**Candidate ID – 14416823**

In continuation to our discussions, we are pleased to offer you the role of **Engineer Trainee in Cognizant Technology Solutions India Private Limited ("Cognizant")**.

During your probation period of 12 months, which includes your training program, you are entitled to an Annual Total Remuneration (ATR) of **Rs.401,986/-**. This includes an annual incentive indication of **Rs.22,500/-** as well as Cognizant's contribution of **Rs.19,500/-** towards benefits such as Medical, Accident, Life Insurance and Gratuity. The break up is presented in **Annexure A**.

On successful completion of the probation period, clearing the required training assessments and subject to you being part of a delivery project, your annual Total Remuneration (ATR) would stand revised to **Rs.450,500/-**. This includes an annual target incentive of **Rs.22,500/-** as well as Cognizant's contribution of **Rs.19,500/-** towards benefits such as Medical, Accident, Life Insurance, as applicable.

Your appointment will be governed by the terms and conditions of employment presented in **Annexure B**. You will also be governed by the other rules, regulations and practices in vogue and those that may change from time to time. Your compensation is highly confidential and if the need arises, you may discuss it only with your Manager.


Cognizant is keen that there is a secure environment for clients and internally too. You are required to be registered with the National Skills Registry (NSR) and provide the ITPIN while joining the organization. Please refer Annexure B for more details.

**Please note**

- This appointment is subject to satisfactory professional reference checks and you securing a minimum of 60% aggregate (all subjects taken into consideration) with no standing arrears in your Graduation/Post-Graduation.
- Prior to commencing employment with Cognizant you must provide Cognizant with evidence of your right to work in India and other such documents as Cognizant may request.

We look forward to you joining us. Should you have any further questions or clarifications, please log into <https://emps2.cognizant.com>

Yours sincerely,  
**For Cognizant Technology Solutions India Pvt. Ltd.,**

  
Suresh Bethavandu  
Global Head-Talent Acquisition

I have read the offer, understood and accept the above mentioned terms and conditions.

Figure7.7.Proof of Placement Offer Letter for CAYm3(2019 - 2020)

Table 7.8.Placement Details for 3 Years(2019-2022)

S.No	AY	STUDENTS STRENGTH	STUDENTS PLACED	PERCENTAGE
1	CAYm1(2021-2022)	14	9	64.12
2	CAYm2(2020-2021)	22	18	81.81
3	CAYm3(2019-2020)	25	16	64

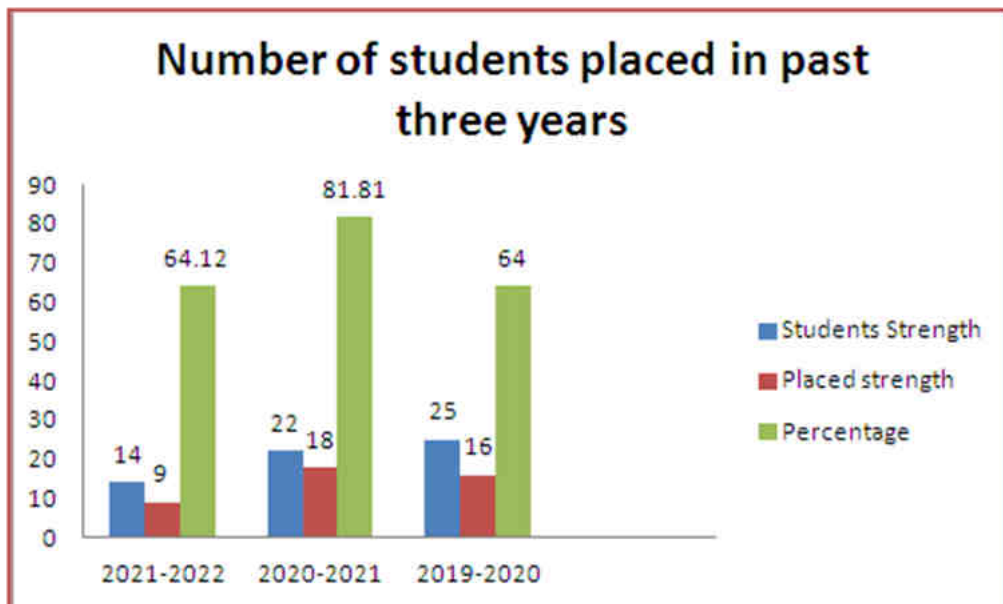


Figure 7.8.Past Three Years Placement Details(2019-2022)

**B. IMPROVEMENT IN HIGHER STUDIES ADMISSIONS FOR PURSUING PHD, IN PREMIER INSTITUTIONS**

Table 7.9.Number of Students Joined for Higher Studies for 3 Years(2019 - 2022)

ACADEMIC YEAR	CAYm1(2021-22)	CAYm2(2020-21)	CAYm3(2019-20)
TOTAL	14	22	25
HIGHER STUDIES	1	1	1
PERCENTAGE	7.14	4.54	4

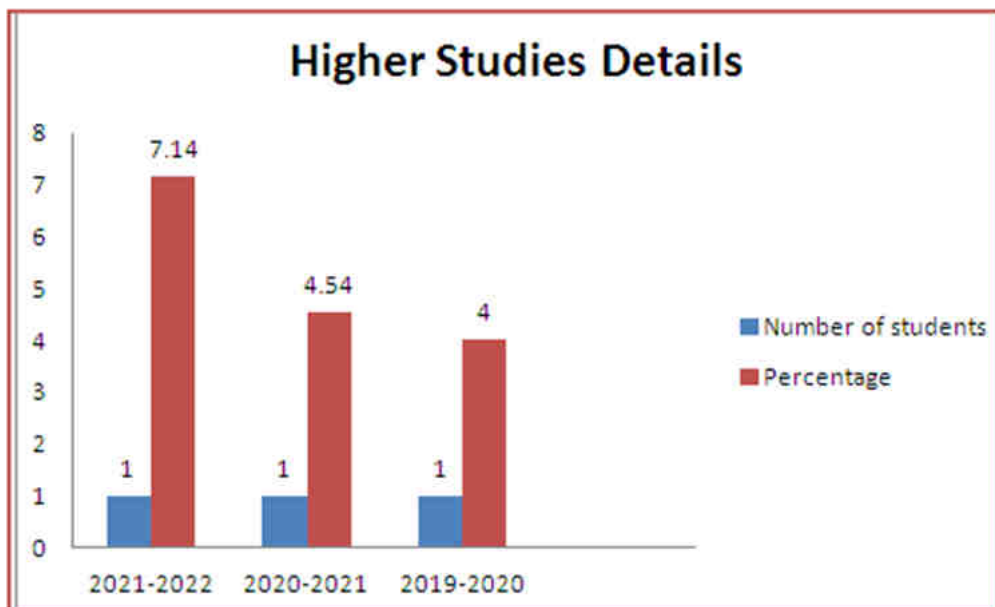




Figure 7.9.Past Three Years Higher Studies Details(2019-2022)



Figure 7.10.Proof of Higher Studies Details CAYm1(2021- 2022)

### C. IMPROVEMENT IN NUMBER OF ENTREPRENEURS

Table 7.10.Entrepreneurship Details for Past 3 Years(2019-2022)

ACADEMIC YEAR	CAYm1(2021-22)	CAYm2(2020-21)	CAYm3(2019-20)
TOTAL	14	22	25
ENTREPRENEURSHIP	2	1	1
PERCENTAGE	14.28	4.54	4

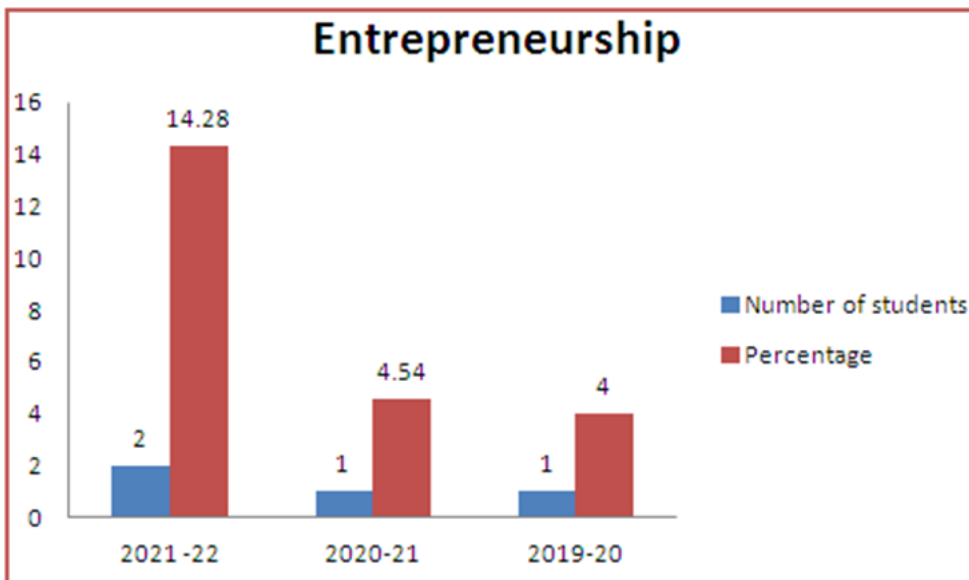


Figure 7.11.Past Three Years Entrepreneurship Details(2019-2022)

7.4 Improvement in the quality of students admitted to the program (10)

Total Marks 10.00

Institute Marks : 10.00

Item		2022-23	2021-22	2020-21
National Level Entrance Examination nil	No of students admitted	0	0	0
	Opening Score/Rank	0	0	0
	Closing Score/Rank	0	0	0
State/ University/ Level Entrance Examination/ Others Tamil Nadu Engineering Ad	No of students admitted	54	55	27
	Opening Score/Rank	275	268	216
	Closing Score/Rank	129	162	124
Name of the Entrance Examination for Lateral Entry or lateral entry details Tamil Nadu Engineering Ad	No of students admitted	5	11	2
	Opening Score/Rank	2996	2874	2528
	Closing Score/Rank	3823	3528	3000
Average CBSE/Any other board result of admitted students(Physics, Chemistry&Maths)		0	0	0

8 FIRST YEAR ACADEMICS (50)

Total Marks 47.22

8.1 First Year Student-Faculty Ratio (FYSFR) (5)

Total Ma  
Institute Marl

Please provide First year faculty information considering load for the particular program

Name of the faculty member	PAN No.	Qualification	Date of Receiving Highest Degree	Area of Specialization	Designation	Date of joining	Teaching load (%)			Currently Associated (Yes / No)	Nature Of Association (Regular / Contract)	Date leave case Curr Assoc is 'N'
							CAY	CAYm1	CAYm2			
DR. K. SURES	BFNPS5956J	M.Sc. and PhD	28/08/2013	PHYSICS	Associate Professor	17/10/2008	100	100	100	Yes	Regular	
DR. M. ABILA I	BEOPA1499G	M.Sc. and PhD	28/12/2016	PHYSICS	Associate Professor	11/07/2022	100	0	0	Yes	Regular	
DR. A. MOHAM	ACKPI4307E	M.Sc. and PhD	16/05/2022	CHEMISTRY	Associate Professor	02/06/2014	100	100	100	Yes	Regular	
DR. T. TITUS €	AQIPT4100E	M.A and Ph.D	19/10/2005	TAMIL LITERATURE	Assistant Professor	25/08/2022	100	0	0	Yes	Regular	
DR. D. ZUNAI	ABCPZ6831B	ME/M. Tech and PhD	28/07/2022	CIVIL ENGINEERING	Assistant Professor	01/12/2020	100	100	100	Yes	Regular	
DR. A. MARIAI	ANSPM0427E	M.A and Ph.D	30/07/2009	LIBRARY SCIENCE	Assistant Professor	01/10/2000	100	100	100	Yes	Regular	
DR. A. SALEEI	BJWPS0377L	M.A and Ph.D	21/12/2017	LIBRARY AND INFORMATION SCIENCE	Assistant Professor	04/01/2018	100	100	100	Yes	Regular	
DR. K. CHANC	AGMPC7535J	ME/M. Tech and PhD	27/12/2013	ELECTRICAL AND ELECTRONICS ENGINEERING	Associate Professor	01/03/2013	100	100	100	Yes	Regular	
MS. A. ASHMA	AVFPA0663F	M.Phil	25/03/2014	CHEMISTRY	Assistant Professor	02/07/2012	100	100	100	Yes	Regular	
MR. K. SHAGL	FPPPS3602E	M.Phil	17/08/2013	CHEMISTRY	Assistant Professor	04/08/2014	100	100	100	Yes	Regular	
MS. K. JEEVA	AOFPJ3727A	M.Phil	30/04/2005	CHEMISTRY	Assistant Professor	08/02/2021	100	100	100	Yes	Regular	
MR. A. MOHAM	BAGPM7489E	M.Phil	06/04/1999	PHYSICS	Assistant Professor	04/08/2020	100	100	100	Yes	Regular	
MS. R. MAHAL	DDRPM8583B	M.Phil	27/02/2015	PHYSICS	Assistant Professor	03/11/2022	100	0	0	Yes	Regular	
MS. D. BHAGY	BIVPB2278K	M.Phil	29/04/2017	PHYSICS	Assistant Professor	25/10/2017	0	0	100	No	Regular	03/0
MS. A. JUVIN I	BKZPJ3024M	M.Phil	30/08/2016	PHYSICS	Assistant Professor	16/08/2018	0	100	100	No	Regular	30/0
MS. N.S. NAN	AOQPN9330N	M.Phil	30/09/2010	ENGLISH	Assistant Professor	01/07/2019	0	100	100	No	Regular	31/0
MS. R. SHAZA	NLDPS1047G	MA	28/04/2017	ENGLISH	Assistant Professor	05/08/2020	0	100	100	No	Regular	31/0
MS. C. ABHIN/	CWQPA6301N	M.Phil	24/06/2019	ENGLISH	Assistant Professor	04/08/2021	100	100	0	Yes	Regular	
MR. K. NISHAI	BIFPN1276B	MA	10/11/2020	ENGLISH	Assistant Professor	04/08/2021	100	100	0	Yes	Regular	
MS. SAJIDHA	OESPS0914H	MA	07/12/2021	ENGLISH	Assistant Professor	04/08/2021	100	100	0	Yes	Regular	
MS. S. GOPIKI	BUZPG9923J	M.Phil	16/05/2022	ENGLISH	Assistant Professor	01/08/2022	100	0	0	Yes	Regular	
MS. BHUVANE	BDAPB4872P	M.Sc	30/04/2008	MATHEMATICS	Assistant Professor	03/11/2008	100	100	100	Yes	Regular	
MR. J. MOHAM	BQEPM1093E	M.Phil	28/09/2013	MATHEMATICS	Assistant Professor	04/08/2014	0	100	100	Yes	Regular	
MR. P. VINAYA	ASUPV0992Q	M.Phil	31/08/2013	MATHEMATICS	Assistant Professor	04/08/2020	0	100	100	No	Regular	30/0
MR. V. SHYAM	CLFPS0744H	M.Phil	29/08/2014	MATHEMATICS	Assistant Professor	01/07/2019	100	100	100	Yes	Regular	
MS. P. CATHEI	CLPPP5741P	M.Phil	31/05/2014	MATHEMATICS	Assistant Professor	25/07/2022	100	0	0	Yes	Regular	

MS. G. GEETHA	BBFPG0795K	M.Phil	29/08/2008	MATHEMATICS	Assistant Professor	05/08/2020	0	100	100	No	Regular	30/06/2022
MS. K. KALAISI	GMVPK1677J	M.Phil	30/09/2011	MATHEMATICS	Assistant Professor	12/08/2022	100	0	0	Yes	Regular	
MS. B. POORNIMA	COTPB4052C	M.Phil	30/08/2016	MATHEMATICS	Assistant Professor	01/08/2022	100	0	0	Yes	Regular	
MR. K. FAYAZ	ACRPF2384D	M.Phil	30/08/2016	MATHEMATICS	Assistant Professor	22/11/2021	0	100	0	No	Regular	30/06/2022
MS. M. DEEPA	CFOPM8365R	M.Phil	30/11/2012	MATHEMATICS	Assistant Professor	01/07/2019	0	0	100	Yes	Regular	
MR. J. MOHAN	ATEPJ0469P	M.E/M.Tech	30/06/2010	ELECTRICAL AND ELECTRONICS ENGINEERING	Assistant Professor	04/10/2010	100	100	100	Yes	Regular	
MR. S.F. SYED	BTPS1959H	M.E/M.Tech	30/06/2006	ELECTRICAL AND ELECTRONICS ENGINEERING	Assistant Professor	06/07/2009	0	100	100	No	Regular	30/06/2022
MR. K. RAMEE	BCMPP4101A	M.E/M.Tech	30/06/2015	ELECTRICAL AND ELECTRONICS ENGINEERING	Assistant Professor	16/07/2018	100	100	100	Yes	Regular	
MS. S. SATHIYAN	DQLPS6937J	M.E/M.Tech	30/06/2015	COMPUTER SCIENCE ENGINEERING	Assistant Professor	03/08/2020	100	100	100	Yes	Regular	
MS. C.S. NANI	AXHPN1181F	M.E/M.Tech	30/06/2015	COMPUTER SCIENCE ENGINEERING	Assistant Professor	03/08/2020	100	100	100	Yes	Regular	
MS. K. VANITHA	CVKPK7111B	M.E/M.Tech	30/06/2015	COMPUTER SCIENCE ENGINEERING	Assistant Professor	03/08/2020	100	100	100	Yes	Regular	
DR. A. MOHAN	AUKPM2342R	ME/M. Tech and PhD	08/12/2022	ELECTRICAL AND ELECTRONICS ENGINEERING	Assistant Professor	18/12/2003	100	100	100	Yes	Regular	
MR. A. SARAVANAN	CHUPS1689G	M.E/M.Tech	30/06/2012	ELECTRICAL AND ELECTRONICS ENGINEERING	Assistant Professor	23/07/2012	100	100	100	Yes	Regular	
MS. S. SARAN	EAWPS0754M	M.E/M.Tech	30/06/2014	CIVIL ENGINEERING	Assistant Professor	22/06/2015	0	100	100	No	Regular	10/06/2022
MR. A. YUVARAJ	AKJPY0784A	M.E/M.Tech	30/06/2015	ELECTRICAL AND ELECTRONICS ENGINEERING	Assistant Professor	21/12/2017	0	100	100	No	Regular	31/07/2022
MR. A. RAVIKRISHNAN	AAHPR0158H	MBA	30/05/1985	MANAGEMENT STUDIES	Assistant Professor	14/02/2012	100	100	100	Yes	Regular	
MR. S. BABU	ALQPB4481P	MBA	31/01/2011	MANAGEMENT STUDIES	Assistant Professor	16/03/2016	100	100	100	Yes	Regular	
MR. T. BIBIN J	CKCPB4195F	MCA	30/06/2018	COMPUTER APPLICATIONS	Assistant Professor	02/07/2019	100	100	100	Yes	Regular	
MR. IMTHATHAN	ABKPI9001J	MBA	30/04/2012	MANAGEMENT STUDIES	Assistant Professor	16/03/2016	100	100	100	Yes	Regular	
MS. MUBEENAH	ATLPM2402N	MA	30/04/1999	LIBRARY SCIENCE	Assistant Professor	05/01/2009	100	100	100	Yes	Regular	
MR. M.F. NAZEEM	AVGPN9253M	M.E/M.Tech	28/06/2013	CIVIL ENGINEERING	Assistant Professor	11/07/2016	100	100	100	Yes	Regular	
MS. S. SYLVIA	GDUPS0022R	M.Phil	31/01/2012	MATHEMATICS	Assistant Professor	01/08/2022	100	0	0	Yes	Regular	

Year	Number Of Students(approved intake strength) N	Number of Faculty members(considering fractional load) F	FYSFR (N/F)	*Assessment= (5*20)/FYSFR(Limited to Max.5)
2020-21(CAYm2)	420	36	12	5.00
2021-22(CAYm1)	420	38	11	5.00
2022-23(CAY)	420	36	12	5.00
<b>Average</b>	0	0	0	0

**8.2 Qualification of Faculty Teaching First Year Common Courses (5)**

Total Marks 4.33

Institute Marks : 4.33

Year	x (Number Of Regular Faculty with Ph.D)	y (Number Of Regular Faculty with Post graduate Qualification)	RF (Number Of Faculty Members required as per SFR of 20:1)	Assessment Of Faculty Qualification [ (5x + 3y) / RF ]
2020-21	4	24	21	4.00
2021-22	4	23	21	4.00
2022-23	8	22	21	5.00

Average Assessment: 4.33

**8.3 First Year Academic Performance (10)**

Total Marks 7.89

Institute Marks : 7.89

Academic Performance	2022-23	2021-22	2020-21
Mean of CGPA or mean percentage of all successful students(X)	7.80	8.19	7.86
Total Number of successful students(Y)	55.00	27.00	40.00
Total Number of students appeared in the examination(Z)	55.00	27.00	41.00
API [X*(Y/Z)]	7.80	8.19	7.67

Average API[ (AP1+AP2+AP3)/3 ] : 7.89

Assessment [ 1.5 \* Average API] : 7.89

**8.4 Attainment of Course Outcomes of first year courses (10)**

Total Marks 10.00

8.4.1 Describe the assessment processes used to gather the data upon which the evaluation of Course Outcomes of first year is done (5)

Institute Marks : 5.00



Three Internal Assessments were scheduled in a semester. Internal Assessment Test-I covers 30% of the Syllabus, Internal Assessment Test-II covers next 30% of the Syllabus and Internal Assessment Test-III covers remaining 40% of the Syllabus. The Internal Assessment were conducted by the Internal Examination cell. Marks awarded for each unit of syllabus taught is depicted below:

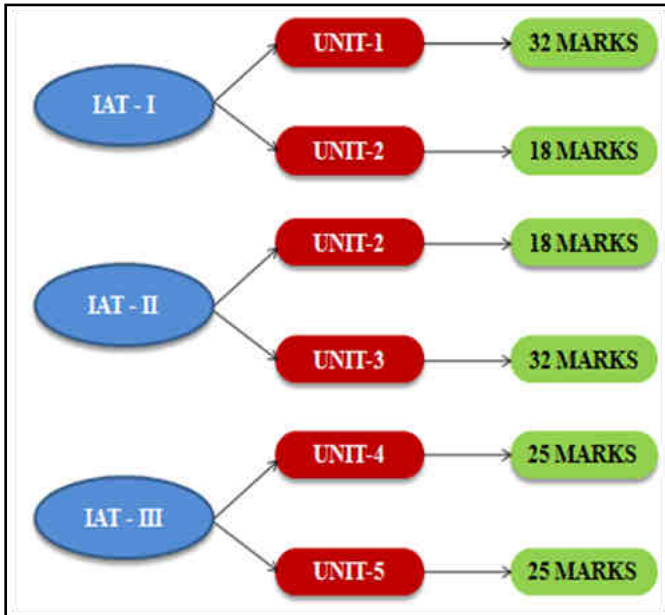


Figure.8.4.1.3. Allocation of marks for each unit of Syllabus (Regulations 2017)

**For Regulations-2021:**

Table 8.4.1.2. Syllabus covered for Internal Assessment Examinations

Test	Syllabus Completed	Overall Syllabus(%)
Internal Assessment Test-I	Unit-I - 100%	50%
	Unit-II - 100%	
	Unit-II - 50%	
Internal Assessment Test -II	Unit-III - 50%	50%
	Unit-IV - 100%	
	Unit-V - 100%	

ALAM MUHAMMAD SALGHI COLLEGE OF ENGINEERING DEPARTMENT OF SCIENCE AND HUMANITIES ACADEMIC YEAR 2021-22 (3RD SEMESTER) MARKS IN SYLLABUS COVERAGE BEFORE									
Sl. No.	Name of the Subject (Theory/Practical)	Name of the Faculty	Allocated hrs/week	Attended hrs/week	Assessed hrs/week	Class Experiment's Covered	Sign	Remarks of HOD	
00071	PROFESSIONAL ENGLISH I	DR. SADIQA BEGUM R. ASSIST. PROF. ENGLISH	5	5	5	100% (100%)	[Signature]		
00011	NUMBERS AND CALCULUS	DR. SHOBNA KUMAR R. ASSIST. PROF. MATHEMATICS	6	5	1-0%	Unit-1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	[Signature]		
00013	ENGINEERING PHYSICS	DR. MADALAKHIM R. ASSIST. PROF. PHYSICS	5	5+1	1-100%	Unit-1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	[Signature]		
00111	ENGINEERING CHEMISTRY	DR. DEVA BHAI K. ASSIST. PROF. CHEMISTRY	5	5	-	Unit-1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	[Signature]		
00011	PROBLEM SOLVING AND PYTHON PROGRAMMING	DR. N. S. SURESH K. ASSIST. PROF. COMPUTER GRAPHICS	5	5	-	Unit-1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	[Signature]		
00011	PHYSICS AND CHEMISTRY LABORATORY	DR. SHOBNA KUMAR R. ASSIST. PROF. PHYSICS	4	4	-	Unit-1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	[Signature]		
00011	PROBLEM SOLVING AND PYTHON PROGRAMMING LABORATORY	DR. N. S. SURESH K. ASSIST. PROF. COMPUTER GRAPHICS	4	4	-	Unit-1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	[Signature]		
00011	ENGLISH LABORATORY	DR. SADIQA BEGUM R. ASSIST. PROF. ENGLISH	2	2	-	Unit-1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	[Signature]		
00011	INDUSTRIAL VISITS	DR. SHOBNA KUMAR R. ASSIST. PROF. PHYSICS	1	1	-	Unit-1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	[Signature]		
00011	SOFT SKILL TRAINING PROGRAMME (MULTITASKING)	DR. R. MANJUNATHAN ASSIST. PROF. PHYSICS	2	2	-	Unit-1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	[Signature]		

Conducted theory tests in a week: 28  
 Conducted lab tests in a week: 15  
 Total tests: 43  
 Class Coordinator: [Signature]  
 HOD-S & H: [Signature]  
 Principal: [Signature]



Figure.8.4.1.4. Syllabus covered report

Two Internal Assessments were scheduled in a semester. Internal Assessment Test-I covers 50% of the Syllabus, Internal Assessment Test-II covers next 50% of the Syllabus.

**AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING**  
**MUTHAPUDUPET, AVADI- IAF, CHENNAI - 600015**  
**DEPARTMENT OF SCIENCE AND HUMANITIES**  
**CIRCULAR FOR STUDENTS**

This is to inform to all First year students of B.E/ B.Tech that the Internal Assessment-I will be held from 09.05.2022 to 14.05.2022. The test sittings will be from 09.10 a.m to 10.40 a.m. All the students are informed to attend the test without fail. Absentees will be viewed seriously. The schedule for the test are as follows:

Date	DAY	SEC A CIVIL	SEC B CIVIL	SEC F IT	SEC D EEE	SEC C ECE	SEC E CYL	SEC E MECH	
09.05.2022	MONDAY	Professional English (HE 3211)							
10.05.2022	TUESDAY	Engineering Graphics (EE 3211)							
11.05.2022	WEDNESDAY	Basic Electrical and Electronics Engineering (EE 3211)	Basic Civil and Mechanical Engineering (ME 3214)	Electrical and Instrumental Engineering (EE 3212)	Basic Electrical Electronics and Instrumentation Engineering (EE 3213)	Basic Electrical and Instrumentation Engineering (EE 3212)	Basic Electrical and Instrumentation Engineering (EE 3213)	Basic Electrical and Instrumentation Engineering (EE 3213)	
12.05.2022	THURSDAY	Physics for Information Science (PH 3216)	Physics for Electrical Engineering (PH 3207)	Physics for Electronic Engineering (PH 3254)	Physics for Civil Engineering (PH 3201)	Materials Science (PH 3214)			
13.05.2022	FRIDAY	Language and Numerical Methods (MA 3211)							
14.05.2022	MONDAY	Programming in C (CA 3211)	Discrete Circuit Analysis (EE 3211)	Control Analysis (EE 3211)					

**Guidelines for the Students:**

- 1) All Students are advised to attend the test on time.
- 2) All Students must bring their necessary stationeries like Pen, Pencil, etc and should not borrow from others.
- 3) Main Sheet and additional sheets will be provided.
- 4) All Students must follow the proper dress code and maintain discipline and follow SOPs.
- 5) Mobile Phone is not allowed inside the hall. So Switch off the Mobile Phone and keep it in the bag.

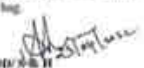

HOD/A.B.H.  Principal  23/05/2022

Figure.8.4.1.5. Student Circular - Internal Assessment Test-I –II semester - 2021-22

Marks awarded for each unit of syllabus taught is depicted below:

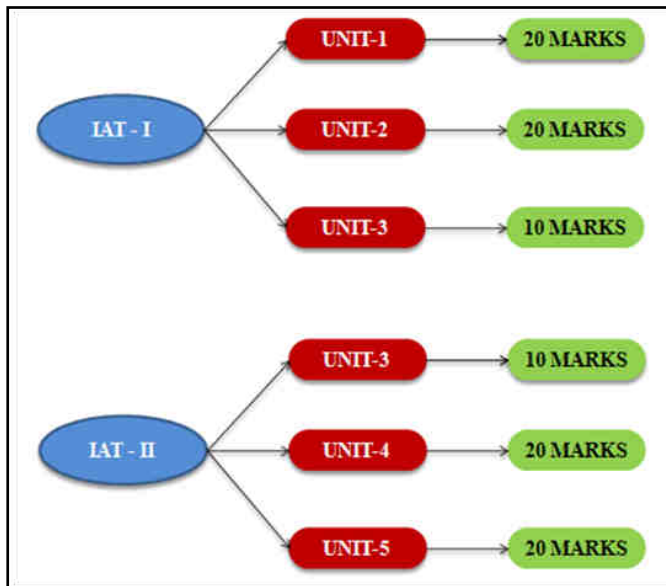


Figure.8.4.1.6. Allocation of marks for each unit of Syllabus (Regulations 2021)

**AALIM MUHAMMAD SALEGH COLLEGE OF ENGINEERING**  
**DEPARTMENT OF SCIENCE AND HUMANITIES**  
**ACADEMIC YEAR (2022-23)**

**CIRCULAR FOR FACULTY**

AMSCE&H/CIRCULAR/002/2022-2023/04.01.2023

1. Internal -I will be conducted from 06/ 01/ 2023 to 12/01 / 2023 during 9.30 AM to 11.00 AM.
2. First year subject teaching faculties are requested to complete syllabus for 100% of the portions in Unit -II and 50% in Unit-III.
3. First year subject teaching faculties are requested to prepare the question paper in the following format:

MADRASAH MUHAMMAD SALEGH COLLEGE OF ENGINEERING		
QUESTION PAPER INTERNAL EXAMINATION TEST - I	NAME OF THE FACULTY	NAMES OF MARKERS
SUBJECT: _____ DEPARTMENT: _____ COURSE: _____ UNIT: _____ DATE: _____		
<b>Part A</b>		<b>5*2=10 Marks</b>
1. (2mark - 0:10)		
2. (2mark - 0:10)		
3. (2mark - 0:10)		
4. (2mark - 0:10)		
5. (2mark - 0:10)		
<b>Part B</b>		<b>40 Marks</b>
6. (a) (3 Marks - 0:10)	(b)	
(i) (3 Marks - 0:10)	(c)	
(ii) (4 Marks - 0:10)	(d)	
(iii) (4 Marks - 0:10)	(e)	
(iv) (4 Marks - 0:10)	(f)	
Prepared by: _____	BROO	Principal

4. Faculty members have to email the soft copy of the Question Paper and Answer Key to the [coexamcell@aalim.edu](mailto:coexamcell@aalim.edu) and submit hard copy to exam cell in charge before 5/01/2023.
5. Answer Script must be evaluated within TWO days after the completion of test and Mark Sheet along with Student's answer script should be submitted in S&H Exam Cell.
6. Coaching classes should be conducted for all the Hostel Students & Slow learners by the Subject Faculty member from 3.50 PM to 4.50 PM.
7. Coaching classes will be conducted for all the students from 9.00 AM to 9.30 AM in their respective classroom.

**1. Asst. Prof. Shyam Kanhan V**  
**2. Asst. Prof. Mahalakshmi R**  
**Dept -Exam cell Coordinators**

*Principal*  
**PRINCIPAL**

**HODS & H**  
 Copy to:-  
 1) Principal Office  
 2) The HOD'S of CSE & IT.  
 3) First year subject teaching faculties.  
 4) Department file

Figure.8.4.1.7. Circular For Faculty Members- question paper setting

1. Question Papers and Answer key were set by the Course Coordinator as per the

norms of the Institution.

2. The Student secured < 60% ,advised to attend the tutorial classes.

MADRASAH MUHAMMAD SALEGH COLLEGE OF ENGINEERING  
 DEPARTMENT OF MATHEMATICS  
 INTERNAL EXAMINATION - May 2023  
 Subject Code & Subject Title: MATHS - STATISTICS AND PROBABILITY, MATHS0001  
 (Regulation - 2019)

Time: 1.5 Hours      Questions: 10 (10 Questions)      Maximum Marks: 50 Marks  
 PART - I: 10 \* 5 = 50 Marks

1. Which is placed to the left of the vertical axis in a normal distribution? (10) (1) (10)
2. A standard normal variate has mean 0 and variance 1. Find the probability that the variate is greater than 1. (10) (1) (10)
3. Find the value of  $\cos^{-1}(\frac{1}{\sqrt{2}})$ . (10) (1) (10)
4. Express  $\sin^{-1}(\frac{1}{\sqrt{2}})$  in radians. (10) (1) (10)
5. Obtain the slope gradient of an exponential function. (10) (1) (10)

PART - II: 4 \* 10 = 40 Marks

6. (a) A certain product has a mean weight of 100 grams and a standard deviation of 10 grams. Find the probability that the product will weigh more than 110 grams. (10) (1) (10)
- (b) A certain product is available in two sizes. The smaller size is available in quantities of 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200. Find the probability that the product will weigh more than 110 grams. (10) (1) (10)
7. (a) A certain product is available in two sizes. The smaller size is available in quantities of 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200. Find the probability that the product will weigh more than 110 grams. (10) (1) (10)
- (b) A certain product is available in two sizes. The smaller size is available in quantities of 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200. Find the probability that the product will weigh more than 110 grams. (10) (1) (10)

8. (a) The following table shows the distribution of marks obtained by the students in a test. Find the mean and standard deviation. (10) (1) (10)

Mark	Number of students
10	1
20	2
30	3
40	4
50	5
60	6
70	7
80	8
90	9
100	10

    (b) The following table shows the distribution of marks obtained by the students in a test. Find the mean and standard deviation. (10) (1) (10)

Mark	Number of students
10	1
20	2
30	3
40	4
50	5
60	6
70	7
80	8
90	9
100	10

9. (a) The following table shows the distribution of marks obtained by the students in a test. Find the mean and standard deviation. (10) (1) (10)

Mark	Number of students
10	1
20	2
30	3
40	4
50	5
60	6
70	7
80	8
90	9
100	10

    (b) The following table shows the distribution of marks obtained by the students in a test. Find the mean and standard deviation. (10) (1) (10)

Mark	Number of students
10	1
20	2
30	3
40	4
50	5
60	6
70	7
80	8
90	9
100	10

10. (a) The following table shows the distribution of marks obtained by the students in a test. Find the mean and standard deviation. (10) (1) (10)

Mark	Number of students
10	1
20	2
30	3
40	4
50	5
60	6
70	7
80	8
90	9
100	10

    (b) The following table shows the distribution of marks obtained by the students in a test. Find the mean and standard deviation. (10) (1) (10)

Mark	Number of students
10	1
20	2
30	3
40	4
50	5
60	6
70	7
80	8
90	9
100	10

*Principal*  
**PRINCIPAL**

Figure.8.4.1.8. Specimen question paper - Internal Assessment Test

1. b. Internal Practicals Test :

Model practical tests were conducted and uploaded to the Affiliating University.

2. University Semester Examinations: University Semester examinations are conducted as per Affiliating University Schedule.

ANNA UNIVERSITY - CHENNAI - INDIA  
OFFICE OF THE CONTROLLER OF EXAMINATIONS  
Final Results of April / May Examination, 2022

Page 5

Reg Code/Name: 1911 - AAI@MUMUNIED SALLON COLLEGE OF ENGINEERING Semester: No. 02 DATE OF PUBLICATION: 03.04.2022

Reg No	Roll No	Grade	Grade	Grade	Grade	Grade	Grade	Grade	Grade	Grade
1911000001	1911000001	B	B	B	B	B	B	B	B	B
1911000002	1911000002	B	B	B	B	B	B	B	B	B
1911000003	1911000003	B	B	B	B	B	B	B	B	B
1911000004	1911000004	B	B	B	B	B	B	B	B	B
1911000005	1911000005	B	B	B	B	B	B	B	B	B
1911000006	1911000006	B	B	B	B	B	B	B	B	B
1911000007	1911000007	B	B	B	B	B	B	B	B	B
1911000008	1911000008	B	B	B	B	B	B	B	B	B
1911000009	1911000009	B	B	B	B	B	B	B	B	B
1911000010	1911000010	B	B	B	B	B	B	B	B	B
1911000011	1911000011	B	B	B	B	B	B	B	B	B
1911000012	1911000012	B	B	B	B	B	B	B	B	B
1911000013	1911000013	B	B	B	B	B	B	B	B	B
1911000014	1911000014	B	B	B	B	B	B	B	B	B
1911000015	1911000015	B	B	B	B	B	B	B	B	B
1911000016	1911000016	B	B	B	B	B	B	B	B	B
1911000017	1911000017	B	B	B	B	B	B	B	B	B
1911000018	1911000018	B	B	B	B	B	B	B	B	B
1911000019	1911000019	B	B	B	B	B	B	B	B	B
1911000020	1911000020	B	B	B	B	B	B	B	B	B
1911000021	1911000021	B	B	B	B	B	B	B	B	B
1911000022	1911000022	B	B	B	B	B	B	B	B	B
1911000023	1911000023	B	B	B	B	B	B	B	B	B
1911000024	1911000024	B	B	B	B	B	B	B	B	B
1911000025	1911000025	B	B	B	B	B	B	B	B	B
1911000026	1911000026	B	B	B	B	B	B	B	B	B
1911000027	1911000027	B	B	B	B	B	B	B	B	B
1911000028	1911000028	B	B	B	B	B	B	B	B	B
1911000029	1911000029	B	B	B	B	B	B	B	B	B
1911000030	1911000030	B	B	B	B	B	B	B	B	B
1911000031	1911000031	B	B	B	B	B	B	B	B	B
1911000032	1911000032	B	B	B	B	B	B	B	B	B
1911000033	1911000033	B	B	B	B	B	B	B	B	B
1911000034	1911000034	B	B	B	B	B	B	B	B	B
1911000035	1911000035	B	B	B	B	B	B	B	B	B
1911000036	1911000036	B	B	B	B	B	B	B	B	B
1911000037	1911000037	B	B	B	B	B	B	B	B	B
1911000038	1911000038	B	B	B	B	B	B	B	B	B
1911000039	1911000039	B	B	B	B	B	B	B	B	B
1911000040	1911000040	B	B	B	B	B	B	B	B	B
1911000041	1911000041	B	B	B	B	B	B	B	B	B
1911000042	1911000042	B	B	B	B	B	B	B	B	B
1911000043	1911000043	B	B	B	B	B	B	B	B	B
1911000044	1911000044	B	B	B	B	B	B	B	B	B
1911000045	1911000045	B	B	B	B	B	B	B	B	B
1911000046	1911000046	B	B	B	B	B	B	B	B	B
1911000047	1911000047	B	B	B	B	B	B	B	B	B
1911000048	1911000048	B	B	B	B	B	B	B	B	B
1911000049	1911000049	B	B	B	B	B	B	B	B	B
1911000050	1911000050	B	B	B	B	B	B	B	B	B
1911000051	1911000051	B	B	B	B	B	B	B	B	B
1911000052	1911000052	B	B	B	B	B	B	B	B	B
1911000053	1911000053	B	B	B	B	B	B	B	B	B
1911000054	1911000054	B	B	B	B	B	B	B	B	B
1911000055	1911000055	B	B	B	B	B	B	B	B	B
1911000056	1911000056	B	B	B	B	B	B	B	B	B
1911000057	1911000057	B	B	B	B	B	B	B	B	B
1911000058	1911000058	B	B	B	B	B	B	B	B	B
1911000059	1911000059	B	B	B	B	B	B	B	B	B
1911000060	1911000060	B	B	B	B	B	B	B	B	B
1911000061	1911000061	B	B	B	B	B	B	B	B	B
1911000062	1911000062	B	B	B	B	B	B	B	B	B
1911000063	1911000063	B	B	B	B	B	B	B	B	B
1911000064	1911000064	B	B	B	B	B	B	B	B	B
1911000065	1911000065	B	B	B	B	B	B	B	B	B
1911000066	1911000066	B	B	B	B	B	B	B	B	B
1911000067	1911000067	B	B	B	B	B	B	B	B	B
1911000068	1911000068	B	B	B	B	B	B	B	B	B
1911000069	1911000069	B	B	B	B	B	B	B	B	B
1911000070	1911000070	B	B	B	B	B	B	B	B	B
1911000071	1911000071	B	B	B	B	B	B	B	B	B
1911000072	1911000072	B	B	B	B	B	B	B	B	B
1911000073	1911000073	B	B	B	B	B	B	B	B	B
1911000074	1911000074	B	B	B	B	B	B	B	B	B
1911000075	1911000075	B	B	B	B	B	B	B	B	B
1911000076	1911000076	B	B	B	B	B	B	B	B	B
1911000077	1911000077	B	B	B	B	B	B	B	B	B
1911000078	1911000078	B	B	B	B	B	B	B	B	B
1911000079	1911000079	B	B	B	B	B	B	B	B	B
1911000080	1911000080	B	B	B	B	B	B	B	B	B
1911000081	1911000081	B	B	B	B	B	B	B	B	B
1911000082	1911000082	B	B	B	B	B	B	B	B	B
1911000083	1911000083	B	B	B	B	B	B	B	B	B
1911000084	1911000084	B	B	B	B	B	B	B	B	B
1911000085	1911000085	B	B	B	B	B	B	B	B	B
1911000086	1911000086	B	B	B	B	B	B	B	B	B
1911000087	1911000087	B	B	B	B	B	B	B	B	B
1911000088	1911000088	B	B	B	B	B	B	B	B	B
1911000089	1911000089	B	B	B	B	B	B	B	B	B
1911000090	1911000090	B	B	B	B	B	B	B	B	B
1911000091	1911000091	B	B	B	B	B	B	B	B	B
1911000092	1911000092	B	B	B	B	B	B	B	B	B
1911000093	1911000093	B	B	B	B	B	B	B	B	B
1911000094	1911000094	B	B	B	B	B	B	B	B	B
1911000095	1911000095	B	B	B	B	B	B	B	B	B
1911000096	1911000096	B	B	B	B	B	B	B	B	B
1911000097	1911000097	B	B	B	B	B	B	B	B	B
1911000098	1911000098	B	B	B	B	B	B	B	B	B
1911000099	1911000099	B	B	B	B	B	B	B	B	B
1911000100	1911000100	B	B	B	B	B	B	B	B	B

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ANNA UNIVERSITY - CHENNAI - INDIA  
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Final Results of April / May Examination, 2022

Page 6

Reg No	Roll No	Grade	Grade	Grade	Grade	Grade	Grade	Grade	Grade	Grade
1911000101	1911000101	B	B	B	B	B	B	B	B	B
1911000102	1911000102	B	B	B	B	B	B	B	B	B
1911000103	1911000103	B	B	B	B	B	B	B	B	B
1911000104	1911000104	B	B	B	B	B	B	B	B	B
1911000105	1911000105	B	B	B	B	B	B	B	B	B
1911000106	1911000106	B	B	B	B	B	B	B	B	B
1911000107	1911000107	B	B	B	B	B	B	B	B	B
1911000108	1911000108	B	B	B	B	B	B	B	B	B
1911000109	1911000109	B	B	B	B	B	B	B	B	B
1911000110	1911000110	B	B	B	B	B	B	B	B	B
1911000111	1911000111	B	B	B	B	B	B	B	B	B
1911000112	1911000112	B	B	B	B	B	B	B	B	B
1911000113	1911000113	B	B	B	B	B	B	B	B	B
1911000114	1911000114	B	B	B	B	B	B	B	B	B
1911000115	1911000115	B	B	B	B	B	B	B	B	B
1911000116	1911000116	B	B	B	B	B	B	B	B	B
1911000117	1911000117	B	B	B	B	B	B	B	B	B
1911000118	1911000118	B	B	B	B	B	B	B	B	B
1911000119	1911000119	B	B	B	B	B	B	B	B	B
1911000120	1911000120	B	B	B	B	B	B	B	B	B
1911000121	1911000121	B	B	B	B	B	B	B	B	B
1911000122	1911000122	B	B	B	B	B	B	B	B	B
1911000123	1911000123	B	B	B	B	B	B	B	B	B
1911000124	1911000124	B	B	B	B	B	B	B	B	B
1911000125	1911000125	B	B	B	B	B	B	B	B	B
1911000126	1911000126	B	B	B	B	B	B	B	B	B
1911000127	1911000127	B	B	B	B	B	B	B	B	B
1911000128	1911000128	B	B	B	B	B	B	B	B	B
1911000129	1911000129	B	B	B	B	B	B	B	B	B
1911000130	1911000130	B	B	B	B	B	B	B	B	B
1911000131	1911000131	B	B	B	B	B	B	B	B	B
1911000132	1911000132	B	B	B	B	B	B	B	B	B
1911000133	1911000133	B	B	B	B	B	B	B	B	B
1911000134	1911000134	B	B	B	B	B	B	B	B	B
1911000135	1911000135	B	B	B	B	B	B	B	B	B
1911000136	1911000136	B	B	B	B	B	B	B	B	B
1911000137	1911000137	B	B	B	B	B	B	B	B	B
1911000138	1911000138	B	B	B	B	B	B	B	B	B
1911000139	1911000139	B	B	B	B	B	B	B	B	B
1911000140	1911000140	B	B	B	B	B	B	B	B	B
1911000141	1911000141	B	B	B	B	B	B	B	B	B
1911000142	1911000142	B	B	B	B	B	B	B	B	B
1911000143	1911000143	B	B	B	B	B	B	B	B	B
1911000144	1911000144	B	B	B	B	B	B	B	B	B
1911000145	1911000145	B	B	B	B	B	B	B	B	B
1911000146	1911000146	B	B	B	B	B	B	B	B	B

AALIM MUHAMMAD SALEGH COLLEGE OF ENGINEERING														AMSCMED/PMH					
AVADI - 607 102 CHENNAI-60																			
FORM 9A - SUBJECTWISE STUDENTS PERFORMANCE																			
ANNA UNIVERSITY RESULT ANALYSIS (APR/MAY 2022) - (BEFORE REEVALUATION)																			
DEPARTMENT OF SCIENCE AND HUMANITIES																			
BATCH: 2021-22														Year: Semester: I/II					
SUBJECT CODE		BRANCH: IT												Year: Semester: I/II					
S.No		Reg.No.		NAME OF THE STUDENT		TOTAL NUMBER OF SUBJECTS												Total Credits	
						ENG	MAT	PHY	EG	BIOTE	PROG	PROG	EPL	PASS	FAIL	GP	CGPA		
						4	4	4	4	4	4	4	4	2	2	2	2		
1	1101220001	ARJUN S. HANDEE A	B	M	B	B	A	B	A	B	A	B	A	B	A	B	2.80		
2	1101220002	ANJULA M.P	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.75		
3	1101220003	ARUNALAKSHI	B	M	B	A	B	A	B	A	B	A	B	A	B	A	2.70		
4	1101220004	ADRIJITH	B	M	B	A	B	A	B	A	B	A	B	A	B	A	2.70		
5	1101220005	AFRAB SABBEEJA A	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
6	1101220006	ANUS ADARSH	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
7	1101220007	ANJA KAMRUP SAKSHI	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
8	1101220008	ANSHUJITH	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
9	1101220009	AKHANA FARVEEN H	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
10	1101220010	DIRUPA A.	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
11	1101220011	PIYAN FATHIMA A	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
12	1101220012	PIYANNA C	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
13	1101220013	SHARDA	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
14	1101220014	SHARDA AMBED	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
15	1101220015	ILAMARAN N	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
16	1101220016	IRFAN RAJESH	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
17	1101220017	IRFAN SHARDEEN	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
18	1101220018	IRUKORUS	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
19	1101220019	IRUKKODI T	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
20	1101220020	MOHAMMED KAREEM	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
21	1101220021	MOHAMMED ASIF M	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
22	1101220022	MOHAMMED SAHIM T	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
23	1101220023	MOHAMMED FARHAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		

Figure. 8.4.1.10. Calculation of CGPA of students for the academic year 2021-22

Overall Direct Assessment including Internal and University Semester Examinations:

1. Affiliating University Examinations evaluated to : 80%
2. Internal Examinations evaluated to: 20%

SUBJECT CODE		BRANCH: IT												Year: Semester: I/II					
S.No		Reg.No.		NAME OF THE STUDENT		TOTAL NUMBER OF SUBJECTS												Total Credits	
						ENG	MAT	PHY	EG	BIOTE	PROG	PROG	EPL	PASS	FAIL	GP	CGPA		
						4	4	4	4	4	4	4	4	2	2	2	2		
24	1101220024	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
25	1101220025	MURUGAN MAHADEVAN M	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
26	1101220026	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
27	1101220027	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
28	1101220028	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
29	1101220029	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
30	1101220030	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
31	1101220031	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
32	1101220032	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
33	1101220033	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
34	1101220034	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
35	1101220035	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
36	1101220036	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
37	1101220037	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
38	1101220038	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
39	1101220039	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
40	1101220040	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
41	1101220041	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
42	1101220042	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
43	1101220043	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
44	1101220044	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
45	1101220045	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
46	1101220046	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
47	1101220047	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
48	1101220048	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
49	1101220049	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
50	1101220050	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
51	1101220051	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
52	1101220052	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		
53	1101220053	MURUGAN S	B	M	B	B	B	B	B	B	B	B	B	B	B	B	2.70		

8.4.2 Record the attainment of Course Outcomes of all first year courses (5)

Institute Marks : 5.00

**Assessment process for course outcomes (COs) calculation:**

In line with COs formulated by Affiliating University, COs are reframed for each course in the curriculum by the guidance of course coordinator. To calculate the attainment of COs, the data are gathered from the Internal Assessment Test and University semester Examinations.

**Attainment level for Course Outcomes:**

The attainment of CO of the First year Courses are recorded as per the following benchmark.

**For Theory Subjects:**

**Evaluation of course attainment levels for Internal Assessment Tests and Affiliating University Examinations:**

1. If the course outcome attainment is  $> 60\%$  , the Attainment Level is 3.
2. If the course outcome attainment is between  $> 50\%$  and  $< 60\%$ , the Attainment Level is 2.
3. If the course outcome attainment is  $< 50\%$  , the Attainment Level is 1.

**For Laboratory Subjects:**

**Evaluation of course attainment levels for Internal Practical Examinations and University Practical Examinations:**

1. If the course outcome attainment is  $> 60\%$  , the Attainment Level is 3.
2. If the course outcome attainment is between  $> 50\%$  and  $< 60\%$ , the Attainment Level is 2.
3. If the course outcome attainment is  $< 50\%$  , the Attainment Level is 1.

Course Code: C109.1.1		Subject Code and Name: MA 3251- STATISTICS AND NUMERICAL METHODS												
FOR IT STUDENTS														
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	3	3		3	3		2	1	2	3	3	3
CO2	3	3	3	3		3	3		2	1	2	3	3	3
CO3	3	3	3	3		3	3		2	1	1	1	1	2
CO4	3	3	3	3		3	1				1	1		
CO5	3	3	3	3		3	1				1	1		
AVG	3	3	3	3	0	3	2.2	0	2	1	1.4	1.8	2.333	2.667
DA	2.78	2.78	2.78	2.78	0.00	2.78	2.04	0.00	1.86	0.93	1.30	1.67	2.17	2.47
IDA	2.53	2.53	2.53	2.53	0.00	2.53	1.85	0.00	1.68	0.84	1.18	1.52	1.96	2.25

At the end of the course the students will be able to

CORRELATION	0	NA
1	LOW	
2	MEDIUM	
3	HIGH	

CO1	Apply the concept of testing of hypothesis for small and large samples in real life problems.
CO2	Apply the basic concepts of classifications of design of experiments in the field of agriculture.
CO3	Appreciate the numerical techniques of interpolation in various intervals for engineering problems.
CO4	Apply the numerical techniques of differentiation and integration for engineering problems.
CO5	Understand the knowledge of various techniques and methods for solving first and second order ordinary differential equations.

PSO1	To ensure that graduates have the programming competence and necessary skills to create, develop and use the right strategies to address engineering challenges and solve complex engineering problems.
PSO2	To ensure the graduates possess the knowledge necessary to create, computerize and manage business solutions employing cutting-edge technology as well as to engage in research on computer technologies.




 COURSE CO-ORDINATOR  
 HEAD/SSH  
 Department of Science and Humanities  
 PRINCIPAL  
 AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Figure.8.4.2.1. A Sample of CO-PO Mapping of the subject Statistics and Numerical Methods for IT Students

Table 8.4.2.1. List of Subjects with Course and Subject Codes for all First Year Courses

COURSE CODE NO.	SUBJECT CODE	SUBJECT NAME
<b>SEMESTER - I</b>		
C101.1	HS3151	PROFESSIONAL ENGLISH-I
C102.1	MA3151	MATRICES AND CALCULUS
C103.1	PH3151	ENGINEERING PHYSICS
C104.1	CY3151	ENGINEERING CHEMISTRY
C105.1	GE3151	PROBLEM SOLVING AND PYTHON PROGRAMMING
C106.1	BS3171	PHYSICS AND CHEMISTRY LABORATORY

C107.1	GE3171	PROBLEM SOLVING AND PYTHON PROGRAMMING LABORATORY
<b>SEMESTER - II</b>		
C108.1.1	HS3251	PROFESSIONAL ENGLISH-II
C109.1.1	MA3251	STATISTICS AND NUMERICAL METHODS
C110.1.1	PH3254	PHYSICS FOR INFORMATION SCIENCE
C111.1.1	GE3251	ENGINEERING GRAPHICS
C112.1.1	BE3251	BASIC ELECTRICAL AND ELECTRONICS ENGINEERING
C113.1.1	CS3251	PROGRAMMING IN C
C114.1.1	GE3271	ENGINEERING PRACTICES LABORATORY
C115.1.1	CS3271	PROGRAMMING IN C LABORATORY

**Table.8.4.2.2.CO Attainment**

Course Code No.	Attainment of Various COs					Final Attainment
	CO1	CO2	CO3	CO4	CO5	
1st Semester						
C101.1	2.84	2.86	2.87	2.86	2.87	<b>2.86</b>
C102.1	2.70	2.72	2.72	2.71	2.73	<b>2.71</b>
C103.1	2.63	2.64	2.61	2.61	2.63	<b>2.63</b>
C104.1	2.75	2.76	2.75	2.74	2.73	<b>2.75</b>
C105.1	2.74	2.75	2.76	2.76	2.75	<b>2.75</b>
C106.1	2.90	2.90	2.89	2.91	2.89	<b>2.90</b>
C107.1	2.90	2.90	2.89	2.91	2.89	<b>2.90</b>
2nd Semester						
C108.1.1	2.74	2.74	2.77	2.76	2.78	<b>2.76</b>
C109.1.1	2.73	2.75	2.72	2.73	2.74	<b>2.73</b>
C110.1.1	2.29	2.33	2.33	2.29	2.32	<b>2.31</b>
C111.1.1	2.52	2.51	2.55	2.53	2.52	<b>2.52</b>
C112.1.1	2.60	2.61	2.58	2.57	2.55	<b>2.58</b>
C113.1.1	2.43	2.43	2.39	2.36	2.40	<b>2.40</b>
C114.1.1	2.89	2.88	2.93	2.89	2.89	<b>2.90</b>
C115.1.1	2.89	2.91	2.90	2.89	2.92	<b>2.90</b>

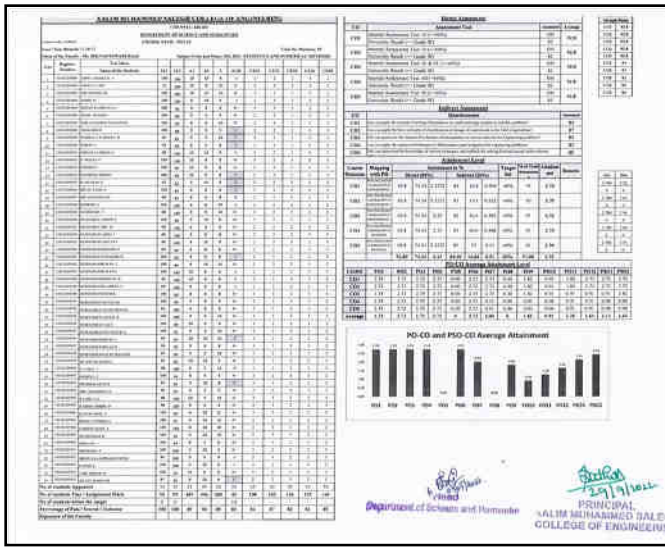


Figure.8.4.2.2. CO-PO Attainment sheet of the subject Statistics and Numerical Methods for Information Technology

8.5 Attainment of Program Outcomes from first year courses (20)

Total Marks 20.00

8.5.1 Indicate results of evaluation of each relevant PO and/ or PSO, if applicable (15)

Institute Marks : 15.00

**POs Attainment:**

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C101.1	0	0	0	0	0	0	0	0	0	2.94	0	0.98
C102.1	2.78	2.78	2.23	2.6	0	1.24	0	0	0	0	0	1.67
C103.1	2.65	2.3	1.77	0	2.12	1.77	0.88	0	0	0.88	0	1.77
C104.1	0.94	0.94	1.40	0.94	0.94	0.94	0.94	0.94	0	0	0	0.94
C106.1	1.60	2	1.60	1.60	1.60	2.20	1.20	1	1.60	1.33	1	2
C107.1	1.60	2	1.60	1.60	1.60	2.20	1.20	1	1.60	1.33	1	2
C108.1.1	0	0	0	0	0	0	0	0	0	2.82	0	0.94
C109.1.1	2.78	2.78	2.78	2.78	0	2.78	2.04	0	1.86	0.93	1.3	1.67
C110.1.1	2.13	1.52	0.76	0.76	1.98	0.91	0.91	0	0.76	1.67	0	1.52
C111.1.1	2.54	1.98	2.12	1.98	0.85	0	0	0	0	2.54	0	0.85
C112.1.1	1.39	2.08	1.74	1.95	1.52	1.74	0.87	0	0	0	0.87	1.30
C113.1.1	2.18	2.22	1.98	0	0.99	0	0	0	0	0.79	0	1.43
C114.1.1	2.20	2	1.80	1.40	0	0	1	0	2.20	1	0	0
C115.1.1	3	3	3	3	0	0	1	0	0	1	3	1
C105.1	2.81	2.06	1.87	0.94	1.12	0	0	0	0	0.94	0	0.94

**PO Attainment Level**

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Direct Attainment	2.20	2.13	1.90	1.78	1.41	1.72	1.12	0.98	1.60	1.51	1.43	1.36
CO Attainment	2.20	2.13	1.90	1.78	1.41	1.72	1.12	0.98	1.60	1.51	1.43	1.36

**PSOs Attainment:**

Course	PSO1	PSO2
C101.1	1.23	0.98
C102.1	2.78	1.86
C103.1	1.77	0.88
C104.1	0.94	0.94
C105.1	2.43	2.81
C106.1	1.25	1.33
C107.1	1.25	1.33
C108.1.1	1.32	0.94
C109.1.1	2.17	2.47
C110.1.1	0.76	0.76
C111.1.1	1.70	1.06
C112.1.1	1.39	0.87
C113.1.1	2.06	0.79
C114.1.1	1	1
C115.1.1	3	3

**PSO Attainment Level**

Course	PSO1	PSO2
Direct Attainment	1.67	1.40
CO Attainment	1.67	1.40



**POs Attainment Levels and Actions for Improvement- (2021-22)**

POs	Target Level	Attainment Level	Observations
<b>PO 1 : Engineering Knowledge</b>			
PO 1	2	2.20	For the proceeding year, the target would be progressive.
Action 1: Students were motivated to participate in academic events, which helped in improving general awareness for real-time applications.			
<b>PO 2 : Problem Analysis</b>			
PO 2	2	2.13	For the proceeding year, the target would be progressive.
Action 1: Incorporated various analytical problems in mathematics and programming courses.			
<b>PO 3 : Design/development of Solutions</b>			
PO 3	1.90	1.90	For the proceeding year, the target would be progressive.
Action 1: The students were encouraged to take up NPTEL courses to get guidelines for designing solutions to engineering problems.a positive response is noticed.			
<b>PO 4 : Conduct Investigations of Complex Problems</b>			
PO 4	1.90	1.78	Better interactive programmes for varied research ideas will achive desired.
Action 1: Access to complex problem analysis, and solutions in implementing real time industry needs in their respective academic projects.			
<b>PO 5 : Modern Tool Usage</b>			
PO 5	1.50	1.41	Usage of modern techniques inculcated are insufficient to achieve the target.
Action 1: Awareness Programmes relevant to enhance the student activity in comprehension and modern IT tool usages were introduced.			
<b>PO 6 : The Engineer and Society</b>			
PO 6	1.70	1.72	For the proceeding year, the target would be progressive.
Action 1: Organized out-reach programmes in cultural and Societal activities. Action 2: Seminars were conducted to instill awareness among the students regarding various social issues and the importance of understanding responsibilities relevant to the professional engineering practice.			
<b>PO 7 : Environment and Sustainability</b>			
PO 7	1.70	1.12	Lack of awareness on environment and Sustainable development of the Society..
Action 1: Students are encouraged to listen to the talks of industrial experts. Arranging guest lectures by experienced people, the students are motivated to come up with projects to provide solutions for global and environmental issues.			
<b>PO 8 : Ethics</b>			
PO 8	1.70	0.98	Lack of ethical principles in Basic Engineering practices.
Action 1: Ethical values are imbibed with reference to Guru-Sishya Parambarya, Societal responsibilities and Professional etiquettes.			
<b>PO 9 : Individual and Team Work</b>			
PO 9	1.70	1.60	Lack of participation in team work is noticed.
Action 1: Students are encouraged to work as an individual and as a team member in several activities. Leadership qualities are overwhelmed amongst students.			
<b>PO 10 : Communication</b>			
PO 10	1.70	1.51	Communication skills are slowly improved .
Action 1: Soft skills training program were conducted to enhance various aspects of technical talks.			
<b>PO 11 : Project Management and Finance</b>			
PO 11	1.70	1.43	Awareness on managing finance and project are out to the desired level.
Action 1: Students are encouraged to participate in specific courses which gives awareness on the principles of project management.			
<b>PO 12 : Life-long Learning</b>			
PO 12	1.70	1.36	Promoting education towards life long learning in the courses are identified to be minimal.
Action 1: Learning never ends, with this Philosophy, we gave the students the value of education and learning. We counseled the students to look beyond syllabus taught during the course to venture into emerging cross technologies. This demands life long learning.			

**PSOs Attainment Levels and Actions for Improvement- (2021-22)**

PSOs	Target Level	Attainment Level	Observations
<b>PSO 1 : To adapt emerging Information and Communication Technologies in order to come up with new ideas and solutions for existing and new challenges.</b>			
PSO 1	1.80	1.67	Target is not attained. Better improvement in Information and communication Technologies is needed to achieve the target.
Action 1: Workshops can be arranged for the students to create awareness in Designing, Prototype models and emerging technologies.			
<b>PSO 2 : To create software systems, components, or processes that meet specific requirements with financial, environmental, and societal constraints.</b>			
PSO 2	1.80	1.40	Target is not attained. Better progress in the potential to create software systems is needed to achieve the target.
Action 1: Students are taken to the Industrial visits to meet the practical aspects of creating software systems.			

9 STUDENT SUPPORT SYSTEMS (50)

Total Marks 50.00

9.1 Mentoring system to help at individual level (5)

Total Marks 5.00



Type of Mentoring: Students are counselled for academic improvement, career improvement and personality development.

Frequency of meeting: Once in a month.

No. of students / Mentor: 15 to 20

Mentoring Process:

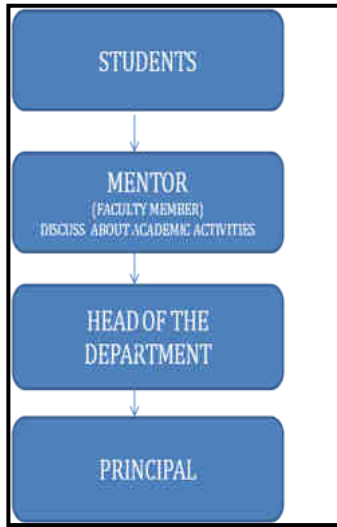


Figure 9.1.1 Mentoring Process

Student's personal and academic details and their progression are updated in the student's Academic performance book (Success book).

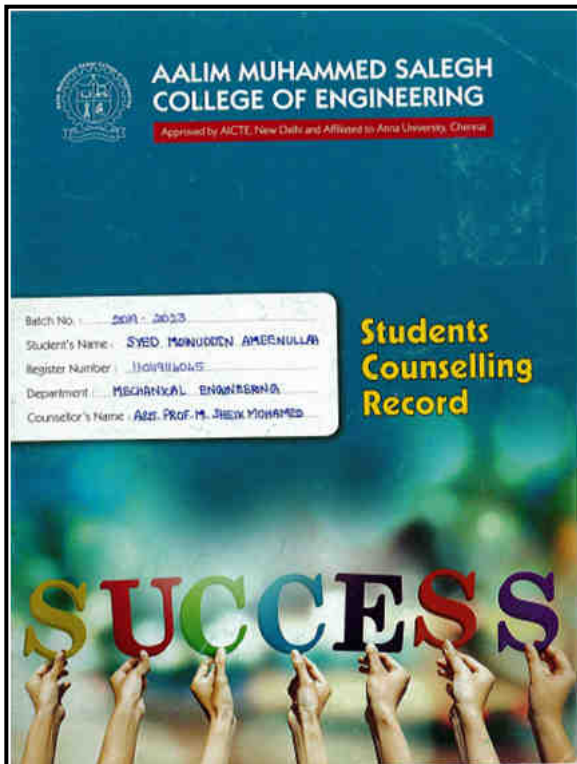


Figure 9.1.2 Student Academic performance book

**Counselling is provided on the following parameters:**

**Professional/ Academic/ Course work specific:**

The mentors discuss issues related to personal development with the assigned students every two weeks that improves academic performance. The student mentors also contribute to the academic and personal growth of peers/juniors by providing them assistance when required. Also mentoring is provided for choosing elective subjects. Further, mentoring is provided on all Co-Curricular related activities like attending Conferences, paper presentations, publications etc., For first year students, counselling is provided on all academic related activities. Also, information is provided by mentors on details, related to the availability of scholarships.

**Outcome:** It helps students to learn and hone their study skills. Also, dropout rates have been reduced to an extent due to the counselling provided.

COUNSELLING HISTORY						
Counselling Date	Points of Discussion	Student's Reasoning	Counsellor Advice	Follow-Up Action	Student Signature	Counsellor Signature
05-11-2019	Academic and Internal Assessment Test Marks	Try to get high marks in next exam.	Concentrate on studies.	Self-Motivation	Self-Motivation Assessment	[Signature]
24-10-20	Academic and Exam University result	I will try to clear the session.	Try to do the course paper.	Monitoring	Self-Motivation Assessment	[Signature]
29-10-20	Final School Marks	I will get good marks in next exam.	Concentrate more on studies.	Monitoring	Self-Motivation Assessment	[Signature]
12-11-2020	Academic & Internal Assessment	Try to get good marks in next exam.	Concentrate more on studies.	Monitoring	Self-Motivation Assessment	[Signature]
05-12-2021	Academic & External Marks	Try to improve.	Concentrate more on studies.	Monitoring	Self-Motivation Assessment	[Signature]

Figure 9.1.3 Counselling History recorded in Student Counselling book

**Personal:**

Personal issues amongst students, Junior or Senior students, and emotional upheavals are discussed by the Individual teacher mentors. Parents are also called and counselled by the College Counsellor available on campus and if required they are referred to the external counselling. For first year students, counseling is provided to improve students confidence level, assist in effective transition from school environment to college environment and reduce home - sickness as most hostel students may be staying away from home for the first time.

**Outcome:** Both students and parents become aware of and realize each others needs and problems and make efforts to overcome them, so that the students are able to focus more on academics.

**Skill based:**

Students are Guided to own their skills beyond course work by venturing into emerging technologies in the form of NPTEL, ICT, IOT etc.,

**Outcome:** Such mentoring help the Student in deep Learning beyond Course work.

**Career Development:**

Career development is the process of learning and utilizing short-term skills to progress towards long-term professional goals. Mentors and Alumni counsel the students on the various opportunities for higher studies.

**Outcome:** Such a mentorship helps students to identify the options and opportunities for their Placement and Higher studies.

**Overall Development & Attitude:**

The Guidance provided by Faculty member and the professional counsellors brings a change in attitude of students affected by behavioral/habitual disorders. If any student is subjected to social isolation, it is also taken care of. Counselling on extracurricular activities is also provided depending on the students interest and creativity.

**Outcome:** This helps students to develop a positive attitude, improve their social etiquettes and also set goals for their future.

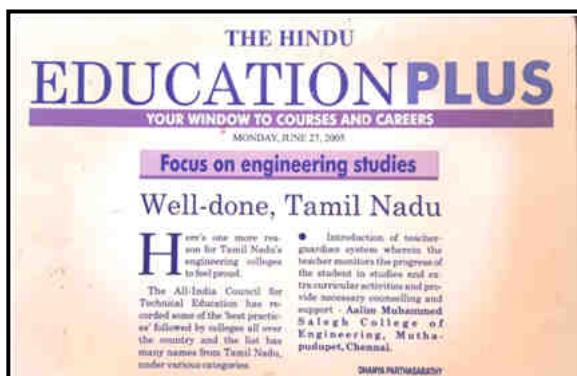


Figure 9.1.4 In the Year 2005, AICTE, New Delhi Placed on record Institution's Mentoring system.





**9.2 Feedback analysis and reward / Corrective measures taken, if any.**

**A. Methodology being followed for analysis of feedback and its effectiveness**

A well defined feedback mechanism is developed and deployed in our institution. Appropriate Feedbacks are collected from the stake holders for analysis, improvement and implantation.

Feedback collected for all courses: Yes

Specify the feedback collection Process: One regular class Period is designated for the purpose.

Who is responsible for collecting the feedback? : Respective Class In-charges

Table 9.2.1: Feedback collection sources

S.no	Stake holders	Feedback	Objective
1	Students	Course end survey	To measure the indirect attainment of COs
		End semester Faculty feedback	To assess the effectiveness of faculty member
		Class committee meeting (Thrice in a semester)	To improve Teaching-Learning Process and other issues
		Outgoing student feedback	To measure indirect attainment of POs
2	Faculty Members	Faculty member perception on course curriculum	To expertise the course curriculum
3	HOD	360 Degree Performance Appraisal form	To improve overall performance of Faculty members
4	Parents	Facilities	To Improve the facilities and services.
5	Alumni	Facilities	To develop and Improve our Standards on facilities and services.

**Flowchart for feedback analysis process for faculty members**

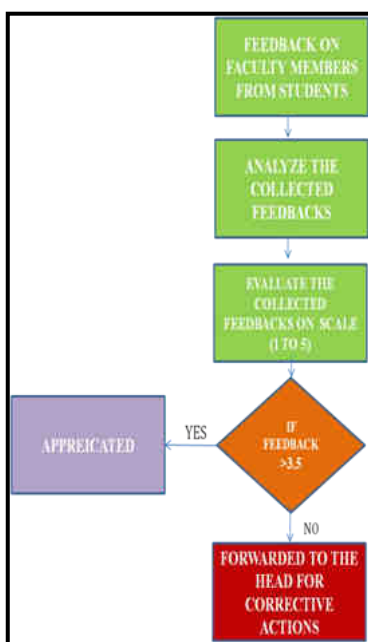


Figure 9.2.1 Flowchart for feedback analysis process for faculty members

**Basis of reward / corrective measures, if any:**





**9.3 Feedback on facilities (5)**

Total Marks 5.00



**Feedback on Facilities**

A. Feedback Collection Analysis and Corrective action

Feedback obtained from the students.

1. CLASSROOMS
2. LABORATORIES
3. COMPUTING FACILITIES
4. LIBRARY
5. WASHROOMS AND SANITATION
6. CAFETERIA
7. HOSTEL
8. TRANSPORTATION
9. BANKING
10. SPORTS
11. MEDICAL SUPPORT

Based on the feedback collected, corrective measures, if any, carried out.

**INFRASTRUCTURE**

Class Committee Meetings are held thrice in a Semester. During the interaction between the students, deficiencies, if any related to academic facilities and amenities are recorded and ensured correction within shortest possible time. We are fortunate enough; the management is very receptive and responsive in providing all facilities required for a better educational campus.

Our campus hosts well design friendly living Hostel for Men and Women, Banking facilities, Campus Cafeteria, Medical emergency support, Prayer Halls, Safe drinking water with RO WATER PLANT adequately sufficing standby power generation equipped with 125 kVA, 180 kVA, 250 kVA standby power generators with additional 20kW solar Power generator

**LIBRARY**

College central Library is well stacked with titles and volumes on varied faculties of Sciences and Engineering with Additional facility of e-Library computing facilities.

**TRANSPORTATION**

With Pride, we mention that the transportation facilities for the student and the teachers is facilitated for commuting with zero on road break down.

**HOSTEL**

Hostel committee meetings are convened twice in a year before the commencement of every semester. Interim meetings were also conducted as when necessary to shoot the problems, if any. Hostel inmates are blessed food arrangements are directly supervised by the management by providing nutritious food.

Figure 9.3.1 Feedback forms on Infrastructure and Facilities



Figure 9.3.2 Rain Water Harvesting Arrangement in the Campus



Figure 9.3.3 20 KW Solar Power Grid



Figure 9.3.4 R-O WATER PLANT- 500 Ltr.-per hour.



Figure 9.3.5 Student Suggestion box outside Principal’s Chamber



Figure 9.3.6 e-Waste

9.4 Self-Learning (5)

Total Marks 5.00



## 9.5 SELF LEARNING

### Scope for Self- Learning.

Self-Learning is a process of garnering information, processing and retaining it without taking help of another individual. It helps to enhance the students knowledge acquired in their field of interest. Motivation for self-learning are provided in the classrooms. A teacher has a great role to play in this regard. Discussing subject beyond the syllabus, providing exposure to exciting developments in science and technology around the globe, attempting solutions to problems in daily life etc. are the ways to motivate students for self-learning. They should also be motivated to do things themselves so that they gain confidence to try anything with their own hands.

Students Earned laurels to the College:

1. SMART INDIA HACKATHON
2. WORLD ROBORACE CHAMPIONSHIP
3. GUINNESS WORLD RECORDS – Longest Power Strip of 50 Numbers by Mohammed Nawaz on 11.10.2018
4. KURUKSHETRA, ANNA UNIVERSITY CHENNAI
5. PALS-INNOWAH (Alumni Fraternity, IITM)
6. YOUNG SCIENTIST AWARD

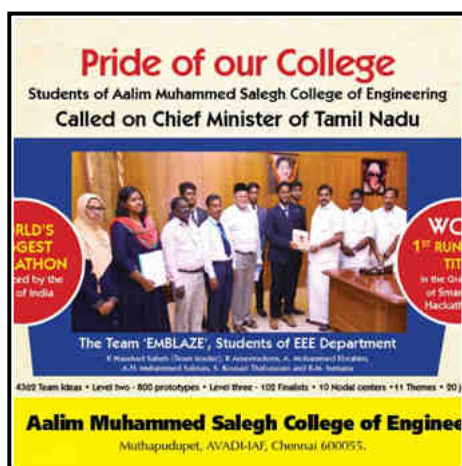


Figure 9.4.1 Team EMBLAZE Students of EEE won the First Runner Up award SMART INDIA HACKATHON 2018



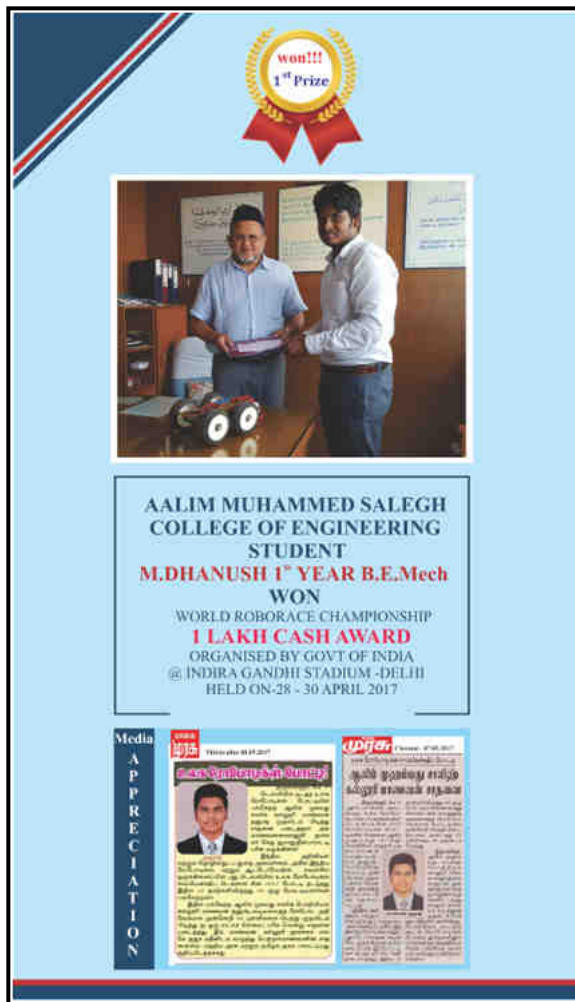


Figure 9.4.2 Mr. M.Dhanush, from the department of Mechanical participated and won World Roborace Championship.

**B. The institution needs to specify the facilities, materials for learning beyond syllabus, webinar, podcast, MOOCs etc., and demonstrate its effective utilization.**

To facilitate the self-learning process the Institution provides various platforms to keep the students active.

1. Library Facility

- Central Library
- Digital Library
- Department Library

2. NPTEL / Online Courses

3. Mini Projects

4. Industrial Visits

5. SOFT SKILLS TRAINING PROGRAMME (SSTP)

6. Internships / In-Plant Trainings

7. Association of Professional Bodies

8. PALS- Pan IIT Alumni Leadership Series (IITM)

9. "NAAN MUDHALVAN" - State's skill development Scheme

## 1. LIBRARY FACILITY

### a. CENTRAL LIBRARY

Central Library supports the self-learning process, wherein the students and faculty members are enriched to make use of Library facilities. Currently there are 11357 titles, 73,953 volumes, 2720 Academic CDs and statutory requirement of International/National Journals. To inculcate the habit of visiting Library a library hour is included in daily routine timetables.



Figure 9.4.3 Students Reading Area in Library

**b. Digital Library:**

Digital Library enables the students to access the facility beyond the working hours wherein 23 computers have been dedicated with reprographic facilities. Our students can make use of various online modes of digital library such as AICTE-(e-KUMBH), DELNET, e-books, National digital library, IITM Central Library, Anna University.

**c. Department Library**

In addition to Central library, every department has its own library.

**2. NPTEL / Online Courses:**

To facilitate the self learning process, we motivate the students to enroll for SWAYAM-NPTEL online certificate courses and guide them to complete the course by allotting mentors of specialized discipline.



Figure 9.4.4 NPTEL SPOC Nomination letter



Figure 9.4.5 NPTEL online certificate

### 3. MINI PROJECT:

We enhance the Scientific & Research temper among Students to facilitate projects on specific and beyond Syllabus

### 4. INDUSTRIAL VISITS:

In order to provide exposure about the practical working environment and to get awareness on industry practices. We organize Industrial visits for all the Second, Third and Final year students.



Figure 9.4.6 Students of Final Year B.Tech (I.T) are taken to NLC for Industrial Visit.

### 5. Soft Skill Training Programme (SSTP):

We provide SSTP for the First and Second year Students in order to enhance the Skills in IELTS, Aptitude, Seminar, NPTEL, Interpersonal Skills, Communication Skills etc.,



Figure 9.4.7 Seminar Session

### 6. INTERNSHIPS / IN-PLANT TRAININGS:

To improve hands-on experience in desired field of studies, Students are encouraged to associate with Internships and In-Plant trainings in Industry Environment.



Figure 9.4.8 In-Plant training certificate

## 7. PROFESSIONAL BODIES:

To imbibe the Professional abilities and etiquettes, Students are Advised to seek membership from the Professional bodies such as ISTE, IET, CSI etc.,

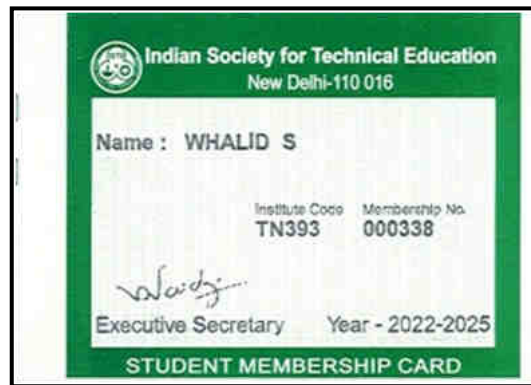


Figure 9.4.9 Student Membership Card- ISTE

## 8. PALS:

An initiative to students expose to the scientific and technological development, we had collaborated with PALS (Alumni Fraternity, IITM) which is a technocrats initiative for the benefit of students of engineering colleges in Tamilnadu.

## 9. NAAN MUDHALVAN - State's skill Development Scheme

The Tamil Nadu Naan Mudhalvan Scheme was unveiled on March 1<sup>st</sup>, 2022 by Honorable Chief Minister, MK Stalin. The Objective is to Provide Skill Development Training to overcome the skill gap. Through this flagship program the students will be able to get trained and ensure that they get jobs according to their skill sets. Now Students of our College were part of the scheme.

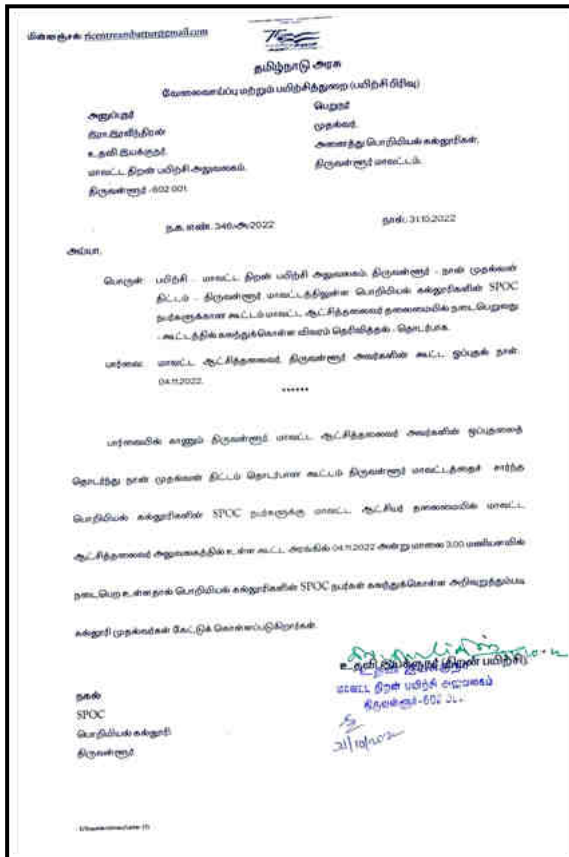


Figure 9.4.10 NAAN MUDHALVAN SCHEME SPOC Communication Letter

Table 9.4.1: Number of students benefitted through Self Learning

S.No.	CONTENT	No. of Students benefitted in CAY 2021-22	No. of Students benefitted in CAYm1 2020-21	No. of Students benefitted in CAYm2 2019-20
1-a	Central Library	243	124	266
1-b	Department Library	148	92	111
2	NPTEL / Online Courses	74	71	61
3	Mini Project	98	124	200
4	Industrial Visit	627	139	347
5	SSTP	518	416	472
6	Internships / In-plant Training	52	312	907
7	Professional Bodies	43	-	-
8.	PALS	7	68	872
9.	Naan Mudhalvan Scheme	577	NA	NA

9.5 Career Guidance, Training, Placement (10)

Total Marks 10.00



## 9.5 CAREER GUIDANCE, TRAINING, PLACEMENT.

### A. Availability of Career Guidance Facilities:

A Career Planning and development cell has sufficient infrastructure in order to conduct mock interviews, group discussions, alumni interaction and online examinations. A career guidance, training & placement cell is established with the team members as follows:

TABLE 9.5.1. CAREER PLANNING AND DEVELOPMENT CELL.

S.NO.	NAME	DESIGNATION	PARENT DEPARTMENT
1	Mr. RAVI KUMAR	PLACEMENT OFFICER	CPD Cell
2	Ms. RAJALAKSHMI B	PLACEMENT CO- ORDINATOR	CIVIL Engineering
3	Mr. MOHAMMED YOUSUF M	PLACEMENT CO- ORDINATOR	MECHANICAL Engineering
4	Ms. AMARSHREEE V	PLACEMENT CO- ORDINATOR	CSE
5	Mr. JONE ROSE	PLACEMENT CO- ORDINATOR	ECE
6	Mr. RAMEEZ RAJA K	PLACEMENT CO- ORDINATOR	EEE
7	Ms. DHIVYA BHARATHI P	PLACEMENT CO- ORDINATOR	IT
8	Ms. ABHINAYA C	PERSONALITY DEVELOPMENT TRAINER	ENGLISH
9	Mr. KARTHIK T	PLACEMENT TRAINER	CPD CELL
10	Mr. BIBIN JOHN M	PLACEMENT TRAINER	CPD CELL

### B. COUNSELLING FOR HIGHER STUDIES (GATE/GRE, GMAT, etc.,)

During the Last life of Studentship, Interactive Programmes are arranged to develop the Higher Education. (In-home scholars and Scholars from R& D are invited).The Training and Placement division facilitates the students on their Career by organizing Career guidance programmes. Eminent personalities from various organizations both in Government and Private sectors are the invitees. Department specific Alumni interactions are also organized to motivate the students. Intimation & notifications on admissions and various schemes for pursuing higher education are circulated and displayed on the notice board.



Figure 9.5.1 Counselling for Higher Education by Ms.Aruna A/P (I.T)

Table 9.5.2 Higher Studies Details

DEPARTMENT	NO. OF STUDENTS- TAKING UP HIGHER STUDIES
MECHANICAL	8
ECE	10
CSE	5
IT	02

### C. PRE-PLACEMENT TRAINING

Institution has constituted the Training and Placement Cell with Technical, Aptitude and Soft Skill Trainers.

The students are provided with various skills in Industry focused areas as Tabulated below.

**Table 9.5.3 List of Soft Skills Provided**

S. NO.	NAME OF THE SKILL
1	Aptitude
2	Verbal Reasoning
3	Resume preparation, Communication & Group Discussion
4	Programming & Technical Skills
5	Soft Skills

### D. PLACEMENT PROCESS AND SUPPORT

The skill sets are facilitated to students through internal trainers and external trainers based on the requirement (Say company specific, mock tests and interviews). Performances of the student are monitored and necessary suggestions are given to the individuals for improvement. The Training and Placement Cell invites various companies to the institution for recruitment and conduct On-campus Interviews. The Training and Placement division supports students to participate in off campus drive conducted by the neighbouring institutions and organizations. The Training and Placement Cell also extends its continuous support by organizing Career Guidance Programmes to support the students to have an exposure on higher education, Job fields etc.,

**Table 9.5.4 ANNUAL PLACEMENT TRAINING DETAILS**



S. No.	Trainings	Venue	Resource Person	Dept	Third Year	Final Year
					No. of Students Participated	No. of Students Participated
1	In house Regular Placement Training Conducted for Third Year & Final Year Students	Respective Department Class Rooms	Mr. M. Bibin John for III year students	EEE	16	27
				ECE	33	33
				CSE	85	62
			Mr. T. Karthik for IV year students	IT	40	14
				MECH	60	61
				CIVIL	29	22
2	Company Specific Training Conducted (TCS & Cognizant) for Final Year Students	Online Class	<u>Aptitude</u> Mr. T. Karthik	EEE	NA	27
				ECE	NA	33
			Asst. Prof. Janani.L	CSE	NA	62
				IT	NA	14
			Asst.Prof. K.Kaja Mohideen,	MECH	NA	61
				CIVIL	NA	22
3	TCS Ninja Company Specific Training conducted by MY OSin for Final Year Students	Online Class	<u>Aptitude &amp; Technical</u> Conducted by MyOsIn, TechSub Techno Solutions Pvt Ltd.	EEE	NA	27
				ECE	NA	33
				CSE	NA	62
				IT	NA	14
				MECH	NA	61
				CIVIL	NA	22
4	AMCAT Training Programme and Company Specific Pattern based Training of M/s. NTT Data & Mphasis Conducted for the Final Year Students	Respective Department Class Room	<u>Aptitude</u> Mr. T. Karthik	CSE	NA	33
				ECE	NA	22
				EEE	NA	22
				IT	NA	10

Table 9.5.5 STUDENTS PLACED DETAILS

Academic Year 2021-22

DEPARTMENT	NO. OF STUDENTS PLACED
MECHANICAL	46
ECE	30
CSE	39
IT	08

Table 9.5.6 CPD Cell Web link

CPD Cell	Web link
Placement Details	<a href="https://www.aalimec.ac.in/placement/placement-details/">https://www.aalimec.ac.in/placement/placement-details/</a> ( <a href="https://www.aalimec.ac.in/placement/placement-details/">https://www.aalimec.ac.in/placement/placement-details/</a> )

9.6 Entrepreneurship Cell (5)

Total Marks 5.00



## ENTREPRENEURSHIP DEVELOPMENT CELL

### A. Entrepreneurship Initiatives

**Entrepreneurial Development Cell (EDC)** was established on its own initiative on 15<sup>th</sup> February 2012. Entrepreneurial Development Cell has been conducting various “Entrepreneurship development programmes”.

#### Objective:

To promote entrepreneurship among the youth and to nurture a passion for self-employment, this turns the Job-seekers into job creators.

The broad objectives of the ED Cell would include:

- To create awareness on entrepreneurship among students,
- To inculcate entrepreneurial spirit and culture among the Engineering graduates.
- To conduct programs on entrepreneurship enabling skills.
- To identify and motivate budding entrepreneurs.
- To assist entrepreneurs in finance source, identifying markets, preparation of business plan and product development.
- To guide the prospective entrepreneurs in knowledge based ventures.
- To help entrepreneurs to acquire necessary skills to run the industry effectively.
- To bridge the gap between Industries and Institutions by carrying out the research activities for the industries.
- To conduct Skill development training programs with updated technologies.
- To provide need-based consultancy services.



Figure 9.6.1 Entrepreneurship Development By Er.Mohammed Adhil., Founder & Ceo, Ifelse Technologies, Chennai

Table 9.6.1 MEMEBRS ENTREPRENEURSHIP DEVELOPMENT CELL

S. No.	Name	Designation	Position
1.	Janab. S. Segu Jamaludeen	Secretary & Correspondent	Patron
2.	Janab. Shaik Athaullah	Trustee Administrator	Patron
3.	Prof. Dr. S. Sathish	Principal	Convener
4.	Prof. Dr. M. Afzal Ali Baig	IQAC Chairman	Co-convener
5.	Prof Dr. N.R. Shankar	IQAC Director	Co-convener

Table 9.6.2 MEMBERS LIST – 2021- 22

S.No.	Name of the Member	Designation
1.	Prof. Dr. S. Sathish	Principal
2.	Asst. Prof. K. Khaja Mohideen	Convener – ED Cell
3.	Asst. Prof. Abdul Rahman	Assistant Professor / Mech. & Coordinator-ED Cell
4.	Asst. Prof. M. Abdul Jabbar	Assistant Professor / Civil, Member –ED cell
5.	Asst. Prof. K. Rameez Raja	Assistant Professor / EEE & Member –ED cell
6.	Asst. Prof. Syed Mustafaa	Assistant Professor /ECE & Member –ED cell
7.	Asst. Prof. Mohamed Iqbal	Assistant Professor/ CSE & Member –ED cell
8.	Asst. Prof.P.Ganesh	Assistant Professor / IT & Member – ED cell
9.	Asst. Prof. F. Habib Mohammed Afzal Bijli	Assistant Professor /MCA & Member – ED cell

Table 9.6.3 Event List 2021-22

1.	10.07.2021	ENTREPRENEURIAL AWARENESS MEETUP	Mr.T.C.SANKAR., A.P/MCA, SVCET, THIRUVALLUR
2	30.09.2021	ASPIRING ENTREPRENEURS PROGRAM 2021 UNDER THE AEGIS OF ICT ACADEMY.	ICT ACADEMY, CHENNAI
3	14.10.2021	ENTERPRENEUR CLUSTER DEVELOPMENT TALK (ECDT)	Ms.SYEDALI FATHIMA., Team lead, Accenture Pvt Ltd, Chennai
5.	11.11.2021	ENTERPRENEURSHIP PROGRAMME STUDENT INDUCTION PROGRAMME 2021-22	Mr.MOHAMMED ADHIL, FOUNDER& CEO IFELSE TECHNOLOGIES,CHENNAI
6.	18.11.2021	ENTREPRENEURIAL TALK	Asst. Prof. M.RABBEK, CEO, SYPAA, CHENNAI

**B. Data on Students Benifitted**

Table 9.6.4 List of Entrepreneurs

DEPARTMENT	NO. OF ENTERPRENEURS
MECHANICAL	4
ECE	2
CSE	2
IT	4

Table 9.6.5 ED Cell Web link

<b>ENTREPRENEURSHIP DEVELOPMENT CELL</b>	<b><a href="https://www.aalimec.ac.in/facilities/entrepreneurship-development-cell/">https://www.aalimec.ac.in/facilities/entrepreneurship-development-cell/</a></b>
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**9.7 Co-curricular and Extra-curricular Activities (10)**

Total Marks 10.00



### A. Availability of Sports and Cultural facilities

The institution has the strategy to identify and cultivate the talents among the students. At the beginning of every academic year during the induction program students are informed about facilities and opportunities to exhibit their talent by participating in extra-curricular and co-curricular activities. Strategies for scouting and fostering the talents in sports, cultural activities and quiz/competition are by hosted in our institution and also by participating in other institutions and University programs.

Following are some of the strategies adopted to promote student's participation in extra-curricular and co-curricular activities. Students are allowed to participate in various intra and inter institution competitions like Technical quiz, Symposiums etc., to develop their competition skills. Seminar halls & Auditoriums are available for performing student activities.

**Table 9.7.1 CO-CURRICULAR ACTIVITIES**

S.NO	CO-CURRICULAR ACTIVITIES	
1.	<b>ROBOTICS CLUB</b>	Dr.A.MOHANASUNDRAM., M.E., PhD Asst.Prof., EEE, Aalim Mohammed Salegh College of Engineering
2.	<b>ENGLISH LITERARY AND INNOVATIVE FORUM (ELIF) CLUB</b>	Ms.C.ABHINAYA., M.A., M.Phil Asst.Prof., English, Aalim Mohammed Salegh College of Engineering

#### 1.ROBOTICS CLUB

The Aalim Mohammed Salegh College of Engineering has given high preference and exposure to the student community in the field of ROBOTICS. The Students have participated in the various Robotic competitions held at IITs, NITs, Anna University and other reputed institutions all over the country.



Figure 9.7.1 Robotics Workshop for the Students

#### 2. ENGLISH LITERARY AND INNOVATIVE FORUM (ELIF) CLUB

English Literary and Innovative Forum (ELIF) aims to enhance the creative writing and communication skills of the students by conducting various Language activities such as Essay writing, Elocution, Debate etc.,

English Literary and Innovative Forum (ELIF) Members

Asst.Prof. C. Abhinaya - Convener

Asst.Prof. K. Nishanth - Co-Convener

Asst.Prof. S. Gopikha - Member

Asst.Prof. S. Sajidha Begum - Member

English Literary and Innovative Forum (ELIF) under the aegis of the Department of Science and Humanities has conducted a one-day event, Young Flames'22 for the first, second and third year students of all the Engineering disciplines on 28 MAY 2022, at Dr. A.P.J. Abdul Kalam Auditorium. The students had actively enrolled their names in the following competitions conducted on the one-day event:

Debate

Shipwreck

Stress Interview

Just a Minute (JAM)

The Principal awarded the overall trophy to the Department of Computer Science and Engineering which achieved the maximum number of winners.





Figure 9.7.2 Young Flames'22 Poster

Table 9.7.2 EXTRA-CURRICULAR ACTIVITIES

S.NO	EXTRA-CURRICULAR ACTIVITIES	
1.	<b>PHYSICAL EDUCATION DEPARTMENT</b>	1. Mr.G.Vinoth Kumar., M.P.Ed. M.Phil., M.Sc (Yoga)., P.G.Dip.F.W.N.I.S
2.	<b>NATIONAL SERVICE SCHEME (NSS)</b>	Dr.K.Suresh Kumar., M.Sc., M.Phil., PhD., NSS Programme Officer
3.	<b>YOUTH RED CROSS (YRC)</b>	Mr.K.Shagul Hameed., M.Sc., M.Phil., (PhD) YRC Programme Officer
4.	<b>NATIONAL CADET CORPS (NCC)</b>	Mr.G.Vinoth Kumar M.P.Ed. M.Phil., M.Sc (Yoga)., P.G.Dip.F.W.N.I.S NCC Officer

### 1. PHYSICAL EDUCATION DEPARTMENT

The Physical Education Department, monitored and marshaled by G.Vinoth Kumar, Physical Director for overseeing the Sports activities and periodical sports trainings for the Faculty members and Students.

Table 9.7.3 INDOOR AND OUTDOOR FACILITIES

S.No	OUTDOOR FACILITIES	INDOOR FACILITIES
1	Cricket Ground	Table Tennis
2	Volleyball Court	Weight Lifting
3	Badminton Court	Indoor games
4	Basketball court	GYM facilities
5.	Kabbadi	

### ADDITIONAL ACADEMIC SUPPORT

1. Students represented by State/Nationals are given scholarships during Admissions.
2. ON-Duty will be granted to students, when they represent the Institution, University or National level sports as well as Cultural events.
3. Special classes and Internal assessment tests are conducted for those students who tend to miss their regular academic classes on account of Extracurricular and Co-curricular activities.

## SPECIAL DIETARY REQUIREMENTS, SPORTS UNIFORM AND MATERIALS

Special dietary requirements, sports uniform and materials are provided, during practice and match sessions.

1. Uniforms and ID cards are provided to all sports teams representing the institution.
2. Sports materials and kits are provided.
3. During practice and contest, TA and DA are given as per the norms fixed by the Sports Committee.

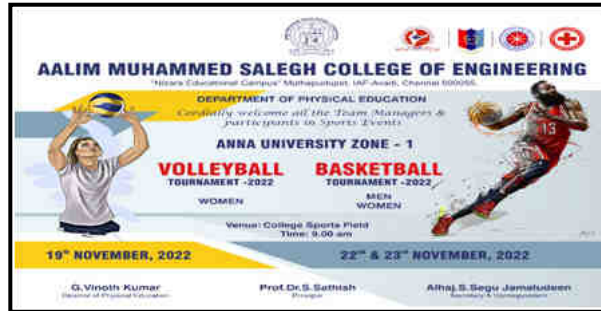


Figure 9.7.3 Aalim Muhammad Salegh College of Engineering has organised Anna University Zone-1 Volleyball (women) on 19/11/2022. Basketball (Men/Women) Tournament on 22/11/2022 and 23/11/22.

Table 9.7.4 Sports Events Conducted by Physical Education Department

ACADEMIC YEAR	SPORTS EVENTS CONDUCTED BY PHYSICAL EDUCATION DEPARTMENT
2021-2022	03
2020-2021	04
2019-2020	10
2018-2019	10

Table 9.7.5 Physical Education Department Weblink

PHYSICAL EDUCATION	<a href="https://www.aalimec.ac.in/departments/physical-education/">https://www.aalimec.ac.in/departments/physical-education/</a> ( <a href="https://www.aalimec.ac.in/departments/physical-education/">https://www.aalimec.ac.in/departments/physical-education/</a> )
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### B. NCC, NSS and Other Clubs

#### 2. National Service Scheme (NSS).

National Service Scheme is a student centric programme. It is a noble experiment in Academic extension. It inculcates the spirit of voluntary work among Students and teachers through sustained community interaction. It brings the academic institutions closer to the society. It is a link between the campus and community, the college and village, knowledge and action.

In our Institution, NSS Students have undertaken various Programmes by adopting five nearby villages. (Palavedu, Pakkam, Puliur, Kadavur, Pandeswaram). NSS volunteers have served 120 hours per year and 240 hours for 2 consecutive years and seven days Special Camp by organizing several events such as Rashtriya Ekta Diwas, Swachh Bharat Abhiyan, Special Medical camp, International Day of Yoga, Unnat Bharat Abhiyan (UBA) Rural Visit, National Deworming Day, Azadi ka Amrit Mahotsav.



Figure 9.7.4 Student rural visit in Palavedu village, Tiruvallur Dist

Unnat Bharat Abhiyan (UBA), a flagship programme of Ministry of Human Resource Development (MHRD), Govt. of India. Higher educational institutions (HEIs) of the country adopt villages for their development. Faculty and students to be involved in village development plan in collaboration with district administration. Aalim Muhammed Salegh college of Engineering is participating in UBA and adopted following villages for their development in collaboration with district administration. 1. PALAVEDU 2. PAKKAM 3. PULIYUR 4. KADAVUR 5. PANDESWARAM.



Figure 9.7.5 UBA poster

Table 9.7.6 Events organized By NSS

ACADEMIC YEAR	EVENTS ORGANIZED BY NSS
2022-2023	11
2021-2022	15
2020-2021	10
2019-2020	16
2018-2019	15

Table 9.7.7 National Service Scheme Weblink

NSS	<a href="https://www.aalimec.ac.in/nss/">https://www.aalimec.ac.in/nss/</a> ( <a href="https://www.aalimec.ac.in/nss/">https://www.aalimec.ac.in/nss/</a> )
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**c. Annual Students Activites**

Table 9.7.8 Academic Year 2022-23 Event/ Activities

S.NO.	NAME OF THE EVENT / ACTIVITY	DATE	NO.OF PARTICIPANTS	NO.OF PEOPLE BENEFITED
1	NATIONAL DEWORMING DAY	14.02.2023	5	265
2	UNNAT BHARAT ABHIYAN (RURAL VISIT)	10.11.2022 TO 17.11.2022	10	500
3	WELFARE SCHOOL VISIT	10.11.2022	5	30
4	MEDICAL AWARENESS PROGRAMME	14.11.2022	10	270
5	RASHRIYA EKTA DIWAS (NATIONAL UNITY DAY)	31.10.2022	10	1100
6	NSS DAY 2022 CELEBRATION	24.09.2022	50	200
7	NATIONAL DEWORMING DAY	09.09.2022	5	250
8	AZADI KA AMRIT MAHATSAV 2022	11.08.2022 TO 13.08.2022	50	1100
9	INTERNATIONAL DAY OF YOGA	21.06.2022	5	250
10	MASS CLEANING PROGRAMME	11.06.2022	25	Deena Dayalan Nagar, pattabiram,
11	ROLE OF YOUTH IN FUTURE INDIA	04.06.2022	5	260

### 3. YOUTH RED CROSS (YRC)

The Indian Red Cross Society is made up of Young volunteers who can make a significant contribution by meeting the needs of the most vulnerable people within their local communities through the Red Cross youth programme (YRC). The students of Aalim Muhammed Salegh College of Engineering are a part of it. Blood donation programmes are actively participated by the students.



Figure 9.7.6 Blood Donation certificate

Table 9.7.9 STUDENTS PARTICIPATED IN YRC EVENTS

ACADEMIC YEAR	STUDENTS PARTICIPATED IN YRC EVENTS
2022-2023	14 (Blood Donations)
2021-2022	15 (Blood Donations)
2020-2021	10 (Blood Donations)
2019-2020	18 (Blood Donations)

Table 9.7.10 YOUTH RED CROSS WEBLINK

YOUTH RED CROSS	<a href="https://www.aalimec.ac.in/yrcc/">https://www.aalimec.ac.in/yrcc/</a> ( <a href="https://www.aalimec.ac.in/yrcc/">https://www.aalimec.ac.in/yrcc/</a> )
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**4. National Cadet Corps (NCC)**

The NCC of 1(TN) CTC Battalion NCC Unit (Army Wing), Madras ‘B’ group had established on 10<sup>th</sup> December 2021 in the College campus, Male and female students of Aalim Muhammed Salegh College of Engineering are a part of it. The enrolled students should undergo three years training continuously, before the Degree course. Eligible cadets will be trained to appear for ‘B’ and ‘C’ certificate Examinations.

**The Aim of the NCC:**

To develop character, comradeship, the Ideal of Service and the capacity for Leadership in Young cadets. To provide service training to young cadets so as to stimulate interest in the Defense sector of the Country. To build up a reserve of potential officers so as to enable the Armed forces to expand rapidly in a National emergency. Our NCC Cadets are undergoing rigorous training in regular Parades, conducted thrice in a week and nutrient diet provided on the day of training . They have actively organized and participated in various events such as Puneeth Sagar Abhiyan, Jallianwala Bagh Massacre Remembering Day, Role of youth in Future India, International Yoga Day. 12 Cadets have successfully completed NCC ‘B’ Certificate Examination which was held on 11<sup>th</sup> and 12<sup>th</sup> of February 2023 in Loyala College, Chennai. In the Academic year 2022 – 2023, 19 students from both genders were enrolled in the NCC.



Figure 9.7.7 NCC Flag Raising ceremony



Figure 9.7.8 NCC Students collecting the plastic and other waste products in Marina Beach

Table 9.7.11 STUDENTS PARTICIPATED IN NCC EVENTS

ACADEMIC YEAR	EVENTS ORGANISED BY NCC
2022-2023	01
2021-2022	04

Table 9.7.12 NCC WEBLINK

NCC	<a href="https://www.aalimec.ac.in/national-cadet-corps/">https://www.aalimec.ac.in/national-cadet-corps/</a> ( <a href="https://www.aalimec.ac.in/national-cadet-corps/">https://www.aalimec.ac.in/national-cadet-corps/</a> )
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10 GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES (120)

Total Marks 120.00

10.1 Organization, Governance and Transparency (40)

Total Marks 40.00

10.1.1 State the Vision and Mission of the Institute (5)

Institute Marks : 5.00

Vision :	
<b>The College with Cutting-edge Excellence in Learning, Teaching and Research integrates Academia, Industry and National Progress.</b>	
Mission :	
MISSION - 1	To offer Project based learning for all the Subjects beyond the Syllabus
MISSION - 2	To create Multidisciplinary and Interdisciplinary Research Environment among the Students through solving complex Social Technical Problems
MISSION - 3	To motivate Faculty Members and Students to undergo MOOC Courses and Certifications.
MISSION - 4	To collaborate with Academia and Industry for Intellectual ambience to develop intellectual environment holistically and improve Human Capabilities.

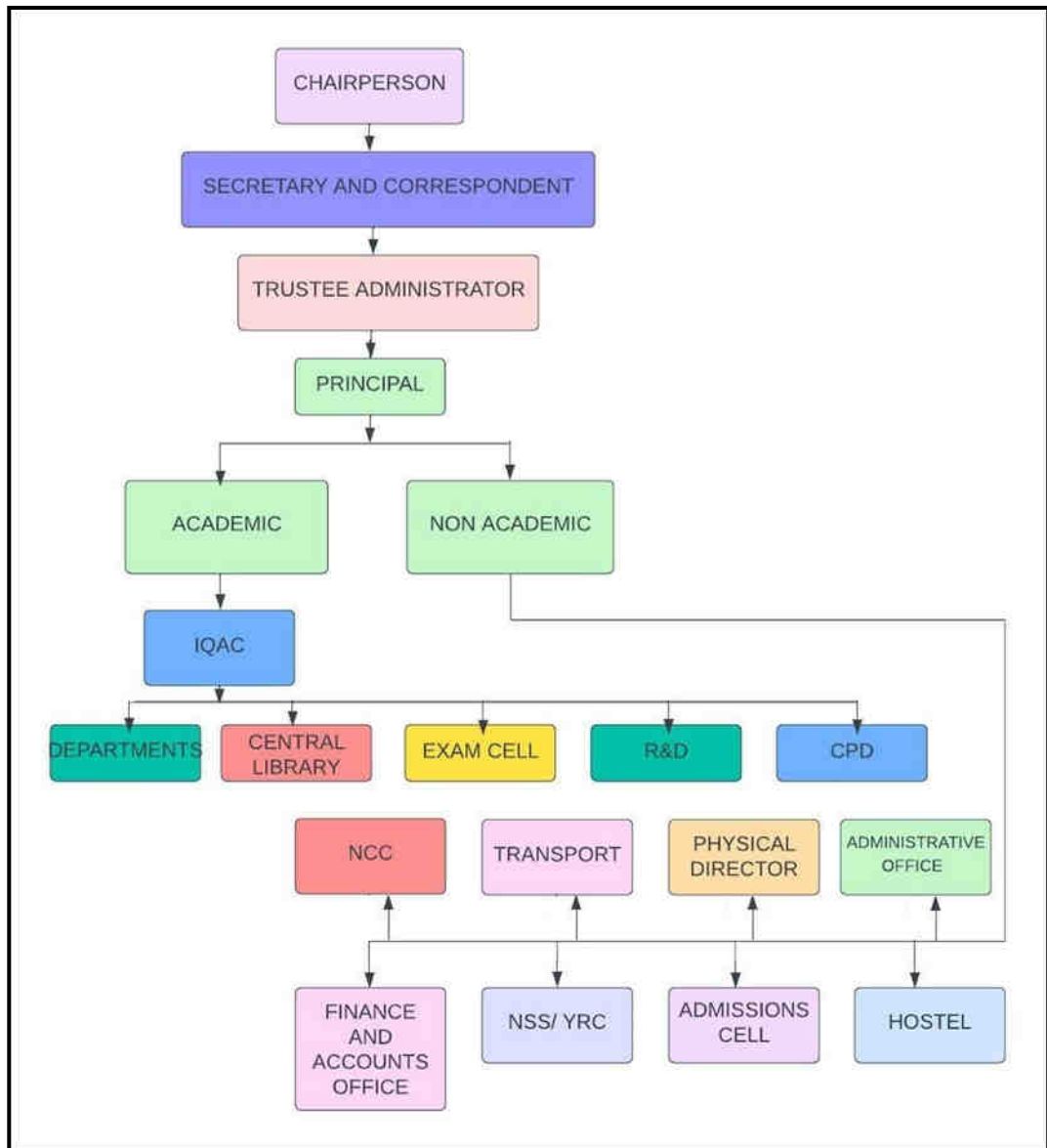
**10.1.2 Governing body,administrative setup,functions of various bodies,service rules, procedures, recruitment and promotional policies**  
(10)

Institute Marks : 10.00

**A. Governing body composition, senate, and all other academic and administrative bodies; their membership, functions, and responsibilities; frequency of meetings; participation details of external members and attendance therein**

**GOVERNING COUNCIL**

Governing Council comprises of Management delegates and members drawn from distinguished cross sections of the society. The Governing Council meets before the onset of every academic year. Previous year Occurrence and Forthcoming year requirements and Budgets will be discussed.



**Figure 10.1.2.1 Organization Chart**

**Table 10.1.2.1 Governing Council**



S. NO	Name	Designation	Position
1	Ms. Ahamed Nasrin	Vice Chairperson	Chairman
2	Mr. S. Segu Jamaludeen	Secretary & Correspondent	Member
3	Mr. T.S.K Shaik Fareed	General Manager	Member
4	Mr. Shaik Athaullah	Trustee Administrator	Member
5	Prof. Dr. S. Sathikh, Former Vice Chancellor, University of Madras, Chennai.	Academician	Member
6	Prof. Dr. S. Sathish	Principal	Ex Officio & Member
7	Prof. Dr. M. Afzal Ali Baig	HOD / Dept. Of Civil Engg.	Ex Officio & Member
8	Prof. Dr. N.R. Shanker	Director, IQAC	Ex Officio & Member
9	Prof. Dr. S.B Mohan Professor/EEE SA Engineering College, Chennai.	Academician	Member
10	Dr. Rajesh Kunnath	Industrialist	Member

#### ACADEMIC COMMITTEE:

The academic Committee of the Institution comprise of Principal, Heads of the Department and the Coordinator of various Committees supervises all the academic activities of the Institution. The Committee meets every six months once to discuss and to take decisions on academic matters. The Minutes of these meetings are shared to all the faculty members through Head of the departments.

Table 10.1.2.2 Academic Committee

S.No	Name	Designation	Position	Role
1	Dr. S. Sathish	Professor	Principal	Chairman
2	Dr. N.R.Shanker	Professor	Director IQAC	Member
3	Dr. S. Arif Abdul Rahuman	Associate Professor	Head/IT	Member
4	Dr. A.S. Salma Banu	Associate Professor	Head/ECE	Member
5	Dr. S. Ramkumar	Associate Professor	Head / MECH	Member
6	Er. M. Ahsan Sheriff	Assistant Professor	Head/CSE	Member
7	Er. M.S Rajan	Assistant Professor	Head/EEE	Member
8	Dr. M. Afzal Ali Baig	Professor	Head/CIVIL	Member
9	Ms. A. Ashma	Assistant Professor	Head/S&H	Member
10	Dr. K. Suresh Kumar	Associate Professor	NSS Programme Officer	Member
11	Er. K. Khaja Mohideen	Assistant Professor	ED Cell Coordinator	Member
12	Er. P. Muni Raja Chandra	Assistant Professor	Exam Cell Coordinator	Member
13	Dr. A. Saleem	Librarian	Admissions Coordinator	Member
14	Mr. R. Ravikumar	Head	CPD Cell Coordinator	Member
15	Dr. Mariamma Alex	Chief Librarian	NCC Officer	Member
16	Mr. G. Vinoth Kumar	Physical Director	Physical Director	Member
17	Er. Abdullah B	Campus Manager	Campus Manager	Member

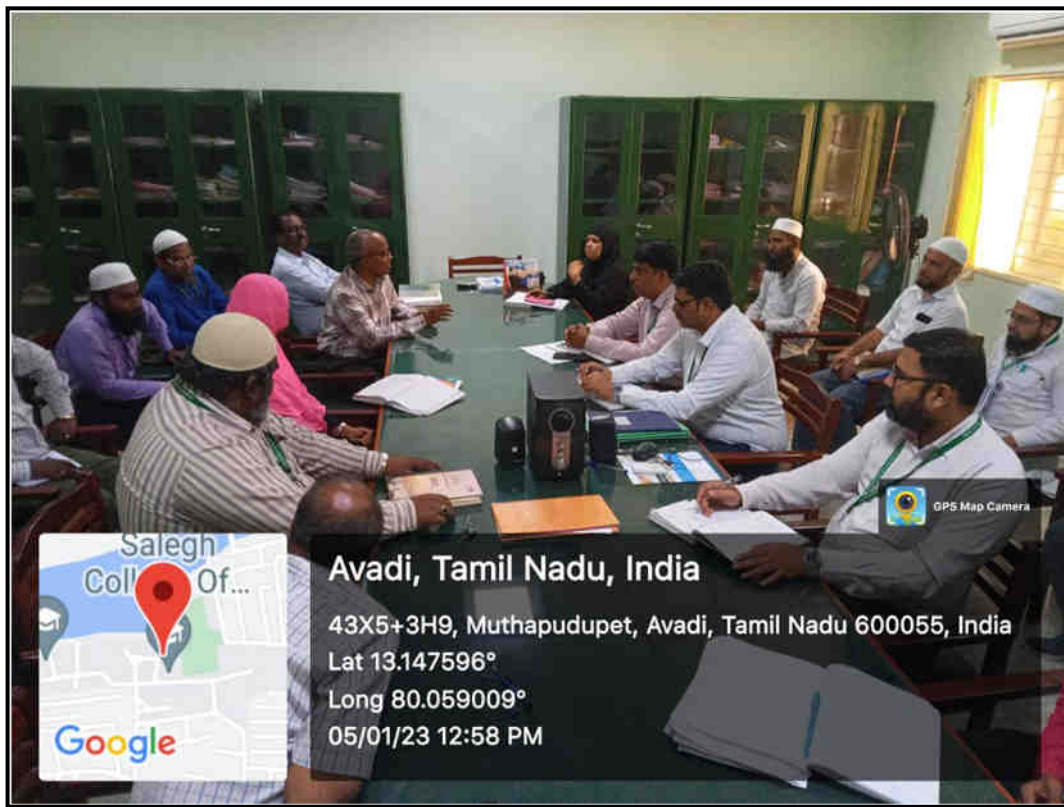


Figure 10.1.2.2 Academic Committee held on 05.01.2023 at IQAC

#### FUNCTIONS OF VARIOUS COMMITTEES

All cognitive academic committee are designed and constituted by the Principal. The committees are

Table 10.1.2.3 Various Committees and its role

S. No	Name of the Committee / Cell	Purpose of the Committee / Cell	Frequency of Meeting
1	IQAC	IQAC plays a crucial role in ensuring that the institution maintains high standards of quality in all its academic and administrative processes. It guides the institution to continuously improve and innovate in its pursuit of excellence in education practices	General Meeting once in a Academic year
3	Research and Development Cell (R&D)	Research and Development Cell of our Institution is the foundation head to imbibe scientific temper among the students and young Faculty Members by delivering periodical lectures by the Director of the Cell.	General Meeting twice at the end of every Semester
4	Career Planning Development Cell (CPD Cell)	The main emphasis of the Career Development Cell is the processes for career development – career awareness, career exploration.	General Meeting Once in a Academic year
5	Industry Institute Interaction Cell	To bridge the gap between the industry, the real world and the institute.	General Meeting twice in a Academic year
6	Discipline Committee	Discipline Committee of our Institution is responsible for developing, implementing and monitoring the policies of the Institution and to take disciplinary actions.	General Meeting Once in a Academic year and Circumstantial meeting if necessary
7	Anti-Ragging Committee	Anti Ragging Committee in its place very agile having an eagle's eye on the movement of the students during the induction of fresh batches to arrest the nagging and Ragging and on record campus free from any mishap.	General Meeting Once in a Academic year and Circumstantial meeting if necessary

8	Hostel & Mess Committee	To Keep a check on the daily issues regarding the hostel amenities, housekeeping, mess facilities, quality of food, etc. and ensures an enriching stay at the campus.	General Meeting Once in a Academic year and Circumstantial meeting if necessary
10	Transportation Committee	Drawn from Students, Staffs and Motor Vehicle Drivers to take the stock of pick up and drop, safe driving etiquettes of public road are taking cognizance and formulated all safety norms for the bus commuters	General Meeting Once in a Academic year
11	SC/ST welfare Cell	To create a platform where students can point out their problems, regarding academic and non academic matters. To monitor the implementation of reservation policy in the institution.	General Meeting Once in a Academic year and Circumstantial meeting if necessary
12	Women welfare Committee	To investigate all the complaints / charges thoroughly & professionally within stipulated time. To ensure confidentiality & time bound response to the complaints & build confidence about impartially.	General Meeting Once in a Academic year and Circumstantial meeting if necessary
13	Extra-Curricular Activities Committee	To garner Comradely and Humane Values towards making holistic society and the Nation	General Meeting Once in a Academic year
14	Newsletter & Magazine Committee	To conduct meetings in order to organize different events. To collect the data from different departments i.e., Student & Faculty members staff achievement.	General Meeting twice in a Academic year.

#### B. The Published Service Rules, Policies and Procedures with Year of Publication

#### Code of Conduct Core Values

- 1) The College published a hand book with the guidance of the Governing Council enumerating all service rules and regulations.
- 2) Awareness created every year on all subjects of the organization by placing the rules and regulations of the college, promotional and recruitment policies in the website.

#### Recruitment Process

1. Recruitment procedure is very transparent and competency is the criteria.
2. The recruitment of the teaching cadre is direct by nature drawn from open society as per the norms of AICTE and Affiliating University
3. Cadre promotions are awarded as per norms of AICTE and Affiliating University.

#### Resignation by Employees

1. Every candidate employed in the college will be considered for a minimum of one year as a probationary period. .
2. He / She shall be relieved only at the end of the academic year.
3. They should give three months prior notice after for getting relieved from the Institution.

#### Employee Welfare and Promotion Policy

The College has a Self-Appraisal Method to evaluate the performance of the faculty in Teaching, Research and Extension programs. At the end of the academic year, every faculty member submits the Self Appraisal Form duly endorsed by the Head and is evaluated on the basis of academic credentials, research contribution, quality enhancement, campus life enrichment, contribution to the university work and extensions services.

The administration, through IQAC, encourages the faculty members to upskill their knowledge and transfer it to the Students.

The institution has the provision of EPF and contributes the eligible amount to the respective account.

#### Gratuity

Every staff of the institute is provided a gratuity after his/her tenure.

#### Personal Accidental Insurance

College has taken an initiative to have group insurance for those who are willing to be a part of this initiative

#### Soft Loan

The Institute offers interest free Soft loans to the necessitous Employee promptly which can be repaid on monthly basis.

#### Maternity Leave

College renders a maternity leave to women staff as per the rules of the government.

**Medical Health Care Centre Facility**

Dr. Glory, M.B.B.S. has been appointed as Medical Officer to take care of all the stakeholders of the campus.

**Promotions**

Faculty members are promoted based on the qualification, services, and outcome of the performance appraisal.

**Publication Incentives**

Incentives are given to the faculty members to participate in National and International conferences and also for publications.

**Sponsorship for higher studies**

Faculty members are granted with On Duty for pursuing their Higher Education.

**Retirement**

1. The faculty and Principal shall retire from service in accordance with the age fixed by AICTE.
2. The age of retirement of all Faculty members and Principals / Directors of institutions shall be 65 years. An extension of 5 years (till the attainment of 65 years of age) may be given to those faculty members who are physically fit, have written technical books, published papers and have average 360<sup>0</sup> feedback of more than 8 out of 10 indicating them being active during the last 3 preceding years of service.
3. If the date of retirement is during the month, the incumbent can continue in service till the end of that month.

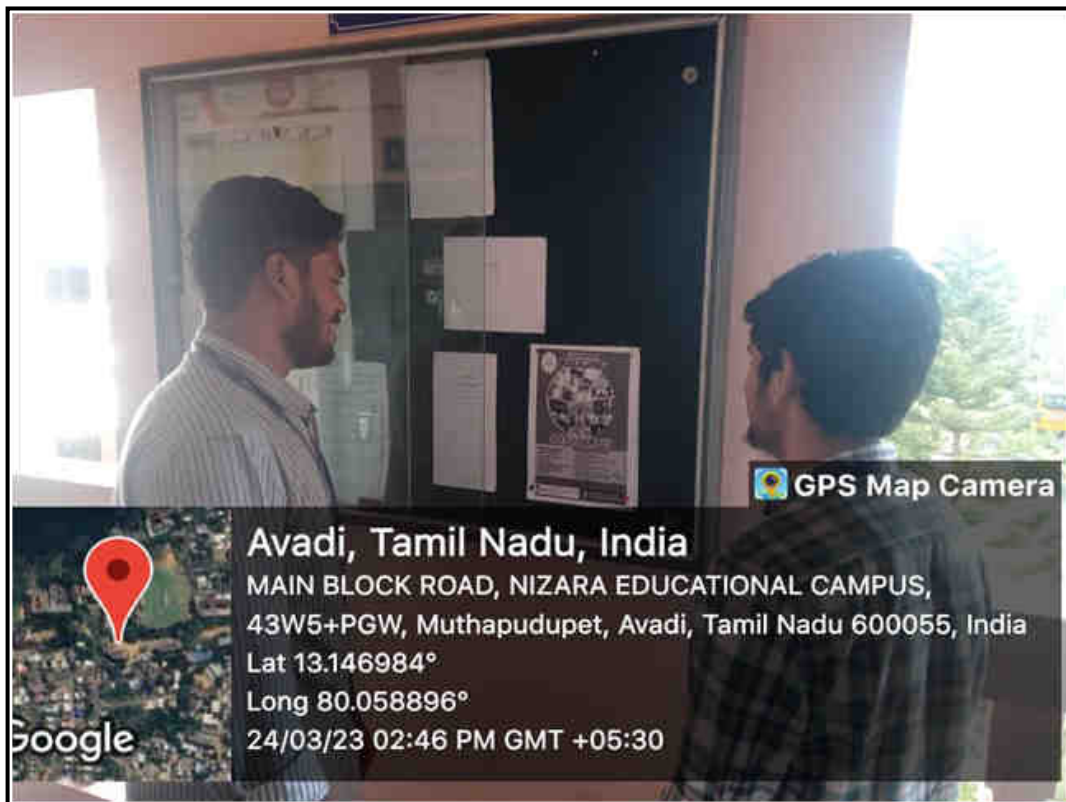
**C.Minutes of the meetings and action-taken reports**

The Circular, Minutes of Meeting and the necessary action taken report are filed in the respective folders. The Conveners, Co-Conveners and members of various committees will take action on different issues to rectify and resolve the problem which was given below

**Action taken reports of Various Committees**

Table.10.1.2.4. Anti-Ragging Committee

Academic Year	Issues	Action Taken
2019-2020, 2020-2021, 2021-2022 & 2022-2023	Nil	Anti Ragging Awareness programme was conducted every year and Posters has been displayed in Common Venues.



**Figure 10.1.2.3 Display Of Anti Ragging Poster in Department Notice Board**


Table.10.1.2.5. Transport Committee


Academic Year	Date	Issue	Action Taken
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2022-2023	20.12.2022	Departure of Valluvar kottam route bus before the scheduled time	Bus Driver was summoned and advised to maintain the scheduled timings by Principal and Transport committee In charges
	30.01.2023	Non proper stoppage of Mathur Bus at appropriate point	Bus Driver was summoned and advised to maintain the scheduled timings by Principal and Transport committee In charges
2021-2022	22.12.2021	Change of Boarding and Dropping place due to Metro Rail work	The Transport In charge was instructed to follow the approved schedule for Boarding and Dropping points.

**AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING**  
**MUTHAPUDUPET, AVADI IAF, CHEENAI-600055**  
**TRANSPORT COMMITTEE ACTION TAKEN REPORT**  
 Date & Day: 20.12.2022 (Tuesday)

OBSERVATIONS	ACTION TAKEN
Valluvar Kottam route bus departs from the point before the stipulated time .	Committee members along with Principal and Transport Supervisor advised the bus driver to start the bus at the scheduled time and maintain the timings for the points.

  
 Co-Convenor

  
 Convenor


  
 Principal

Figure 10.1.2.4 Transport Committee Action taken report

10.1.2.6 Mess Committee		
Date	Issues	Action Taken
26.10.2022	Drinking water (RO) is disrupted.	Plumbing done and the facility was restored.
	Quality of Vegetable supplied questioned	Complaint verified and enquired. Vegetables were moderately fresh and advised for correction
	Mess timings to avoid ragging	For a ragging Free Environment, Mess Timings both Lunch as well as Evening Snacks Timings were changed.
	Follow for the purchase of Vegetables and meat	A separate Note is maintained for the Entry of the Meat as well as Vegetables and duty was allotted to the Caretaker
	Quality of Milk questioned	Store in charge was provided with Lactometer to assess the quality of Milk.
06.08.2021	Hand Sanitizer got displaced due to cranky habits of students	Ensured placed Hand sanitizer in right place and to follow up.
	Maintaining of COVID-19 SOPs	Instructed the Mess In-charge to adhere the SOPs
	Social Distance markings are not proper	Campus manager was informed about the markings





<b>AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING</b> <b>MUTHAPUDUPET, AVADI IAF, CHEENAI-600055</b> <b>MESS COMMITTEE ACTION TAKEN REPORT</b>		
Date & Day: 26.10.2022 (Wednesday)		
OBSERVATIONS	ACTION TAKEN	
<ol style="list-style-type: none"> <li>1. RO drinking water availability should be ensured.</li> <li>2. Delayed purchasing of Groceries.</li> <li>3. Instruction was given to Committee members to change the Mess timings to avoid ragging.</li> <li>4. Follow up should be maintained for the purchase of Vegetables and meat</li> <li>5. Quality of Milk Purchased has to be verified</li> <li>6. LPG Cylinder Purchase to be done before two days.</li> </ol>	<ul style="list-style-type: none"> <li>• A Separate R.O. Line was installed for the dining hall.</li> <li>• Purchase of Groceries is done in One Week advance to avoid any deficit in the Store.</li> <li>• For a ragging Free Environment, Mess Timings both Lunch as well as Evening Snacks Timings were changed.</li> <li>• A separate Note is maintained for the Entry of the Meat as well as Vegetables and duty was allotted to the Caretaker.</li> <li>• Milk quality was ensured with the help of Lactometer and the readings were entered for follow up.</li> <li>• LPG Cylinder delivery is maintained in a separate Note for Effective follow up.</li> </ul>	
 Co-Convenor	 Convenor 26/10/22	 Principal 26/10/22


Figure 10.1.2.5 Mess Committee Action taken report

10.1.2.7 Hostel Committee		
Date	Issues	Action Taken
12.12.2020	Hand Sanitizer setup is not available in mens hostel and ladies hostel.	To purchase the new Hand Sanitizer setup, campus manager was called and instructed to put a purchase order
	Due to Pandemic, floors are stained and dust	Sweepers are instructed to clean all the floors and rooms which was supervised mess supervisor
10.08.2021	Hand Sanitizer setup damaged in First year mens hostel	Campus manager was informed about the damage in Hand Sanitizer Setup and instructed to rectify it before the commencement of first year classes
	Basic amenities such as Fan and Light are not working in few rooms. In few rooms damaged cots also found	Electrician was called and shown the non-working fans and light which was rectified on the spot. Damaged cots were replaced with a new one by campus manager

02.11.2022	Basic amenities such as Fan and Tube light were not working in few rooms	Electrician was called and shown the identified non-working Fan and Tube light which were rectified on the spot
	In few rooms it was found that some cots were damaged	The damaged cots were replaced with a new one by our campus manager
	Hand Sanitizer setup damaged in First year mens hostel	Campus manager was informed about the damage in Hand Sanitizer Setup and instructed to rectify it before the commencement of first year classes
	Allotment of rooms in the ground floor for first year 2022-23 batch in hostel were discussed	Rooms have been allotted in the ground floor for first year 2022-23 batches in hostel




**AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING**  
MUTHAPUDUPET AVADI, CHENNAI - 600 055.




**HOSTEL COMMITTEE ACTION TAKEN REPORT**

Date: 02.11.2022

Observations	Action Taken Report By Warden
1. Basic Amenities such as Fan and Tube light were not working in few rooms.	• Electrician was called and shown the identified non working Fan and Tube light which were rectified on the spot.
2. In few rooms it was found that some cots were damaged.	• The damaged cots were replaced with a new one by our Campus Manager.
3. Hand sanitizer setup damaged in First year Men's Hostel.	• Campus Manager was informed about the damage in hand sanitizer setup and instructed to rectify it before the commencement of First year Classes.
4. Allotment of rooms in the ground floor for first year 2022-23 batch in hostel were discussed.	• Rooms have been allotted in the ground floor for first year 2022-23 batches in hostel.



Warden




2/11/2022  
Principal

Figure 10.1.2.6 Hostel Committee Action taken report


10.1.2.8 Discipline and welfare committee			
Academic Year	Date	Issue	Action Taken

2022-2023	19.01.2023	Students coming late after break time.	Canteen In charge was instructed to stop the sales at 10.50 am. For first year students, separate sales point will be made at first year block.
	19.01.2023	Some students were not adhering the rules of the Institution such as Punctuality, Wearing the ID cards, Hairdressing and Formal dress code	Defaulters will be counseled by the respective Counselors and informed to their parents in needed. Student with improper Haircut will be sent back and allowed only after dressing their hair properly.
	19.01.2023	Regularity	The Student was counseled by the Counselor and also informed to the parents about required attendance percentage for semester examination.
	19.01.2023	Usage of Mobile Phone in working hours	Department wise Mobile Phone checking squads was formed to check the students possessing Mobile Phones and will be seized if it is in switched on mode
2021-2022	24.11.2021	Few Students were not following COVID 19 SOPs such as Wearing mask and Social distance.	Students were given awareness class wise about the COVID 19 SOPs by Dr. Suresh Kumar, NSS Programme Officer Awareness posters had been displayed in common venues.
	24.11.2021	A few students are not adhering to the institutions standards regarding formal dress code, hairstyles, wearing ID cards, and punctuality	The Class In charges and Class Counselors are instructed by the HOD to Counsel the defaulters to follow the rules of the college.
	24.11.2021	Regularity	The Student was counseled by the Counselor and also informed to the parents
	24.11.2021	Usage of Mobile Phone in working hours	To check students possession of mobile phones and seize them if they are turned on, department-specific mobile phone checking squads were established.





**AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING**  
**MUTHAPUDUPET, AVADI IAF, CHENNAI - 600055**



**Discipline and Welfare committee**

**Action Taken Report**

**Date: 19.01.2023**

Observations	Action Taken Report by Principal
1) Students coming late after break time.	<ul style="list-style-type: none"> <li>➤ Canteen In charge was instructed to stop the sales at 10.50 am.</li> <li>➤ For first year students, separate sales point will be made at first year block.</li> </ul>
2) Some students were not adhering the rules of the Institution such as Punctuality, Wearing the ID cards, Hairdressing and Formal dress code	<ul style="list-style-type: none"> <li>➤ Defaulters will be counseled by the respective Counselors and informed to their parents in needed.</li> <li>➤ Student with improper Haircut will be sent back and allowed only after dressing their hair properly.</li> </ul>
3) Regularity	The Student was counseled by the Counselor and also informed to the parents about required attendance percentage for semester examination.
4) Usage of Mobile Phone in working hours	Department wise Mobile Phone checking squads was formed to check the students possessing Mobile Phones and will be seized if it is in switched on mode

*Arnas Shree V*  
19/01/2023  
Co-convenor

*Prin*  
19/01/23  
Convener

*Prin*  
19/01/2023  
Principal

Figure 10.1.2.7 Discipline and Welfare Committee Action Taken Report

### **10.1.3 Decentralization in working & grievance redressal mechanism**

#### **Decentralization**

Decentralization in working and grievance redressal mechanisms refers to the process of delegating decision-making power and authority to lower levels of an organization or society. This approach aims to promote greater participation, accountability, and efficiency in the management of work and resolution of grievances.

The Administrative structure of the Institute clearly depicts the decision tree and chain of command. The Institution was spearheaded by the Chairperson and followed by Secretary & Correspondent, Trustee administrator and Principal. Daily Academic activities are administered by the Principal with the support of all Head of Departments. The Principal guides and monitors Academic, Non-academic and co-curricular activities of the Institute.

Heads of the Department are second line administrators actively support and execute the decision with the Coordination of Faculty members. Heads of the Department are empowered with the desired freedom of administration in decision taking in consultation with the Faculty Members. Other activities related to Curricular, Co Curricular and Extra-curricular will be approved by the Principal in concurrence with the concerned department Heads.

#### **A. List of names of the faculty members who have been delegated powers for taking administrative decisions.**

**Table 10.1.3.1 Delegation of powers**

S.No	Name	Roles and responsibilities
1	Principal	The Principal provides academic and administrative leadership that involves enhancing academic policies and research ensuring high academic standards of the Institution, Finance and Infrastructure management
2	Director IQAC	Responsible for ensuring high quality of the Institution to meet the accreditation standards of NBA and NAAC, preparing the SAR and AQAR.
3	Head of the Department	The HOD is responsible for the recruitment and evaluation of Faculty members, Welfare of the students and Department Management.
4	Exam Cell Coordinator	The Exam Cell Coordinator is responsible for the smooth conduction of Anna University examination process.
5	Librarian	librarians play a vital role in supporting academic success and fostering a culture of learning within the college community.
6	Career Planning and Development Cell Coordinator	To assist the students developing their academic, career of interests, and their goals by provide various skill developmental training to the students and to Conduct on and off campus interviews
7	Entrepreneurial Development Cell Coordinator	To create awareness regarding entrepreneurship as a career option through conducting ED programs and arranging interactions with Alumni Entrepreneurs with the students of the Institution
8	Physical Director	The Physical Director is responsible for ensuring the sports facilities, developing sports programs that promote physical fitness and wellness among students by organizing intramural sports leagues, hosting intercollegiate sports competitions, and offering fitness classes.
9	Admissions Coordinator	Admission Coordinator is responsible for planning and coordinating admissions events, supervising the application process, reviewing applications, providing information about the institution or program to the applicants and Inquirer.
10	NCC Officer	NCC Officers are responsible for training and mentoring cadets in various disciplines, organize camps.
11	NSS Programme Officer	The NSS programme officer is responsible conducts and supervises NSS activities and maintaining records
12	YRC Programme Officer	The YRC Programme Officer is responsible for developing and implementing YRC activities in the such as organizing awareness campaigns, health camps, blood donation drives and other initiatives to promote humanitarian values among young people.
13	Campus Manager	Assist management with accurate information as required for all campus associate activities and initiate decisions.

#### B. Specify the mechanism and composition of grievance redressal cell.

##### Grievance Redressal Cell

After meticulous inquiry genuine grievances are addressed and confident level restored of the complainant

##### 10.1.3.2 Women Grievances cum Redressal Committee

S.No	Name	Designation	Role
1	Dr.A.S. Salma Banu	Assoc. Professor	Faculty
2	Mrs. Bhuvanewari Raja	Asst. Professor	Faculty
3	Dr.P. Kamala Glory	Medical Officer	Campus Medical Officer
4	Dr.V. Uma	Social Worker	Suyam Managing Trustee

#### 10.1.3.3 Discipline and Welfare Committee

S.No	Name	Designation	Role
1	Dr. S. Sathish	Principal	Chairman
2	Dr.M. Afzal Ali Baig	Head/Civil	Member
3	Dr.S.Ramkumar	Head/Mech	Member
4	Er.M.SRajan	Head/EEE	Member
5	Ms. A. Ashma	Head/S&H	Member
6	Ms. Bhuvanewari Raja	Student Counsellor (Faculty)	Convener
7	Er. G. Arun	Deputy Warden of Men's Hostel	Member
8	Dr. A. Saleem	Deputy Warden of Men's Hostel	Member
9	Ms. V. Amarshree	Deputy Warden of Women's Hostel	Member
10	Dr. A. S. Salma Banu	Lady faculty member	Member

#### 10.1.3.4 Anti-Ragging Committee

S.No	Name	Designation	Role
1	Prof. Dr. S. Sathish	Principal	Chairman
2	Mr. D. Raji	Inspector of Police	Member
3	Mr. Joei Doss S	Revenue / Taluk / Civil / Officers	Member
4	Mr.T.R.Sarathivasan	Official of NGO	Member
5	Mr. A. Parthasarathy	Representatives of Parents	Member
6	T. Mohammed Saleem	Representatives of Students	Member
7	S. Mohamed Hamdhan	Representatives of Students	Member
8	Mr. S. Babu	Representatives of Non-Teaching	Member



Figure 10.1.3.1 A COMPREHENSIVE MEETING (21.09.2022) WITH THE INSPECTOR OF POLICE (MUTHAPUDUPET) REGARDING THE BEHAVIOUR OF THE STUDENTS IN PUBLIC PLACES AND THE ILL EFFECTS OF RAGGING

10.1.4 Delegation of financial powers (10)

Institute Marks : 10.00

10.1.4 Delegation of financial Powers.

Financial powers are delegated to the Principal, Heads of the department and the relevant in-charges.

Table 10.1.4.1 DELEGATION OF FINANCIAL POWER

Designation	Extent of Financial Power (Rs.)
Principal	50,000
Head of the departments	25,000
Co-ordinators like NSS, NCC, etc.	10,000

B. Demonstrate the utilization of financial powers for each of the assessment years.

- Principal is empowered to approve the expenditures incurring academic procurements, Laboratory tools and books for Library
- Head of Departments are empowered to spend the expenditures incurring academic procurements.
- Officers in charges of the extracurricular services such as NCC, NSS, YRC and Physical Education are delegated with the powers to meet the Organizational expenditure at their discretion.

10.1.5 Transparency and availability of correct/unambiguous information in public domain (5)

Institute Marks : 5.00

**10.1.5. Transparency and availability of correct/unambiguous information in the public domain.**

Aalim Muhammed Salegh College of Engineering website provides information about vision & mission of the Institution, Course details, Infrastructure, Faculty Members details, Students details, Placement activities, Training Programs, Alumni Association activities, Faculty and Students achievements, College admission brochure, Research activities, Journal Publication of Faculty Members and Social activities

The details of various activities in the college and achievements of faculty and students in various inter-college, national and international level events are posted in the college website and available in the following link

**A. Information of the policies, Rules, processes is to be made available on website.****10.1.5.1 Website Link**

S. No	Item/Article	Link
1	Code of Conduct	<a href="https://www.aalimec.ac.in/about-us/">https://www.aalimec.ac.in/about-us/</a> ( <a href="https://www.aalimec.ac.in/about-us/">https://www.aalimec.ac.in/about-us/</a> )
2	HR Manual	

Transparency is also maintained and all information about the college, decisions taken, rules and regulations implemented, events organized etc, are disseminated through the college mail to all faculty members and students. Every faculty and student members are facilitated with an Email account for the sharing of information.

**B. Dissemination of the Student and Staff Information:****Table 10.1.5.2 Website link for all programs**

S. No	NAME OF THE DEPARTMENT	URL ADDRESS
1	COMPUTER SCIENCE AND ENGINEERING	<a href="http://www.aalimec.ac.in/departments/cse/">http://www.aalimec.ac.in/departments/cse/</a> ( <a href="http://www.aalimec.ac.in/departments/cse/">http://www.aalimec.ac.in/departments/cse/</a> )
2	ELECTRONICS AND COMMUNICATION ENGINEERING	<a href="https://www.aalimec.ac.in/departments/ece">https://www.aalimec.ac.in/departments/ece</a> ( <a href="file:///C:/Users/lib20/Desktop/C%2010%20All%20Metrics/%C2%A0https://www.aalimec.ac.in/departments/ece/">file:///C:/Users/lib20/Desktop/C%2010%20All%20Metrics/%C2%A0https://www.aalimec.ac.in/departments/ece/</a> )
3	MECHANICAL ENGINEERING	<a href="https://www.aalimec.ac.in/departments/me/">https://www.aalimec.ac.in/departments/me/</a> ( <a href="https://www.aalimec.ac.in/departments/me/">https://www.aalimec.ac.in/departments/me/</a> )
4	CIVIL ENGINEERING	<a href="https://www.aalimec.ac.in/departments/ce/">https://www.aalimec.ac.in/departments/ce/</a> ( <a href="file:///C:/Users/lib20/Desktop/C%2010%20All%20Metrics/%20https://www.aalimec.ac.in/departments/ce/">file:///C:/Users/lib20/Desktop/C%2010%20All%20Metrics/%20https://www.aalimec.ac.in/departments/ce/</a> )
5	INFORMATION AND TECHNOLOGY	<a href="https://www.aalimec.ac.in/departments/it/">https://www.aalimec.ac.in/departments/it/</a> ( <a href="https://www.aalimec.ac.in/departments/it/">https://www.aalimec.ac.in/departments/it/</a> )
6	ELECTRICAL AND ELECTRONICS ENGINEERING	<a href="https://www.aalimec.ac.in/departments/eee/">https://www.aalimec.ac.in/departments/eee/</a> ( <a href="https://www.aalimec.ac.in/departments/eee/">https://www.aalimec.ac.in/departments/eee/</a> )

**Transparency in other curricular matters:**

All the curricular matters are published in the website and the few links are given below.

**Events:**

<https://www.aalimec.ac.in/departments/me/events/> (<https://www.aalimec.ac.in/departments/me/events/>)

**Club Activities:**

<http://www.aalimec.ac.in/club-activities/>

**Research:**

<https://www.aalimec.ac.in/research/funded-projects/> (<https://www.aalimec.ac.in/research/funded-projects/>)

**Placements:**

<https://www.aalimec.ac.in/placement/placement-details/> (<https://www.aalimec.ac.in/placement/placement-details/>)

**Admission:**

<https://www.aalimec.ac.in/admission/> (<https://www.aalimec.ac.in/admission/%20>)

**Academic Details:**

<https://www.aalimec.ac.in/departments/> (<https://www.aalimec.ac.in/departments/>)

**Mandatory Disclosure:**

<http://www.aalimec.ac.in/mandatory-disclosure/>

**10.2 Budget Allocation, Utilization, and Public Accounting at Institute level (30)**

Total Marks 30.00

**10.2.2 Utilization of allocated funds (15)**



**UTILIZATION OF ALLOCATED FUNDS**

The Institution needs to state how the budget was utilized during the assessment years.

**Utilization of Allocated Funds**

The Management approves the overall budget of the college at the end of each academic year. The whole year's budget including Recurring and non-recurring expenses will be taken into account. The Heads of the department will be intimated about the fund extent allocated beyond their earlier proposed budgets. Finance department of the trust takes care of the Preparation of purchase orders for the purchase of laboratory equipment, teaching aids, furniture, payment of bills along with the department budget allocations and expenditures. Major works like constructions, upgradation of the infrastructure, furniture replacement and maintenance of common utilities are controlled by the Management through the consultation of the IQAC.

Table 10.2.2.1 Utilization of Allocated Funds for the Past 4 Years for All Programs

CAY (2021-22)		CAY m1 (2020-21)		CAY m2 (2019-20)		CAY m3 (2018-19)	
Budget (Rs)		Budget (Rs)		Budget (Rs)		Budget (Rs)	
Allocated	Utilized	Allocated	Utilized	Allocated	Utilized	Allocated	Utilized
6,38,70,000	<b>6,13,73,349.46</b>	5,60,00,000	4,97,11,704.44	10,20,00,000	9,36,15,516.1	9,10,00,000	9,02,35,880.74

- Utilization of allocated funds for the year 2021-22: 96.09 %
- Utilization of allocated funds for the year 2020-21: 88.77%
- Utilization of allocated funds for the year 2019-20: 91.77 %
- Utilization of allocated funds for the year 2018-19: 99.16 %

**BUDGET UTILIZATION IN 2021-22****Infrastructure and Built-up**

The institution underwent procedural cleansing, disinfection and refurbishment. The management ensures the legal obligations to be carried out along with the expenses under the accrual method.

**Library**

The total financial resources necessary for a library renovation were accomplished this year.

**Maintenance and Spares**

For the smooth running of the institution, the institutional assets have been rejuvenated periodically. The systems undergo preventive maintenance and based on the requirements, the servicing, repairing and refitting takes place.

**Research and Development**

A systematic investigation with the objective of introducing innovations for the current year project offerings were carried out across different industries and sectors.

**Miscellaneous expenditure**

The following are the necessary expenditures for the current financial year: graphic design software installation, computer depreciation, projectors, xerox machines etc.

**BUDGET UTILIZATION IN 2020-21****Infrastructure and Built-up**

The interior decorations and partitions were carried during this financial year. The SOLAR PV POWER PLANT was installed above the rooftop of the Electrical Engineering Department.

**Library**

Books were purchased for the library including journal subscriptions were undergone this year.

**Maintenance and Spares**

The maintenance of the department laboratories, UPS installation and other infrastructure enhancement was proposed and utilized during this academic year.

**Research and Development**

In this year a major quantum of funds was utilized for the self enhancement of the faculties for paper publishing. Also, funds were utilized based on the academic requirements of the departments.

**Miscellaneous expenditure**

The expenses such as sanitizers, thermal scanners, campus disinfectant and awareness programmes. Various departments also conducted In-house project competitions, seminars and workshops.

**BUDGET UTILIZATION IN 2019-20****Library**

The Institutional library has subscribed certain e-resources such as Delnet, IEEE Journals, seek digital library, IEI & IEDE for the stay-safe mode of utilization.

**Maintenance and Spares**

The maintenance of ACs, software upgradation, purchase of computer accessories (headsets,web cameras etc) and additional infrastructure enhancement was carried out during this year.

**Research and Development**

An essential component of Institution's Research and Development arm ranges with relatively minor costs for the focussed research operations.

**Miscellaneous expenditure**

The equipment needed for the classes, teaching aids, furniture, inventory supplies, goods and services, advertisement for Admissions, banners, brochures along with the department expenditures spent for the above mentioned year.

**BUDGET UTILIZATION IN 2018-19****Library**

The Additional books were purchased as there was a new set of regulations.

**Maintenance and Spares**

In order to retain the assets with sound quality, the institution requires the regular maintenance for an uninterrupted service.

**Research and Development**

The institute allocates a part of the budget to spend for stimulating the Students' active contribution which enroots the higher investment.

**Miscellaneous expenditure**

The various immediate and unplanned expenses such as accidental breakages, depreciation, Bank service charges etc and various other expenses were subordinated to this expenditure.

**10.2.1 Adequacy of budget allocation (10)**

Institute Marks : 10.00

**ADEQUACY OF BUDGET ALLOCATION**

The institution needs to justify that the budget allocated during assessment years was adequate

**A. Quantum of Budget Allocation for 4 Years:**

Details of budget allocated and utilized for the years 2021-22, 2020-21, 2019-20 and 2018-19 are provided as follows:

Table 10.2.2.1 Allocated Budget for 4 years

CAY (2021-22)	CAY m1 (2020-21)	CAY m2 (2019-20)	CAY m3 (2018-19)
Budget Allocated (Rs)	Budget Allocated (Rs)	Budget Allocated (Rs)	Budget Allocated (Rs)
6,38,70,000	5,60,00,000	10,20,00,000	9,10,00,000

**B. Justification of Budget Allocated for 4 Years :**

Budget requirements under Recurring and non-recurring estimation are collected from all the departments and units before the commencement of the financial year. Allocations are made as per the availability of funds. Spending is monitored by the accounts section. Supplementary allocations are made in special cases, if needed, to match the expenditures. The institution carefully monitors the expenses such that the prerequisites are met without any impediment to run the institution productively. The management has been working efficiently over the past several years such that the institution never had any serious budget crunch that affected the normal functioning of the institution.

Table 10.2.2.2 Allocated and Utilized Budget for 4 years

CAY (2021-22)		CAY m1 (2020-21)		CAY m2 (2019-20)		CAY m3 (2018-19)	
Budget (Rs)		Budget (Rs)		Budget (Rs)		Budget (Rs)	
Allocated	Utilized	Allocated	Utilized	Allocated	Utilized	Allocated	Utilized
6,38,70,000	6,13,73,349.46	5,60,00,000	4,97,11,704.44	10,20,00,000	9,36,15,516.1	9,10,00,000	9,02,35,880.74

**10.2.3 Availability of the audited statements on the institute's website (5)**

Institute Marks : 5.00

Availability of the audited statements on the institute's website

As of now, the audited statements of accounts of the institution are not made available on the institution's website. However, this can be done with the guidance of the IQAC.

**Summary of current financial year's budget and actual expenditure incurred (for the institution exclusively) in the three previous financial years**

Total Income at Institute level: For CFY, CFYm1, CFYm2 & CFYm3

CFY : (Current Financial Year),

CFYm1 : (Current Financial Year minus 1),

CFYm2 : (Current Financial Year minus 2) and

CFYm3 : (Current Financial Year minus 3)

**Table 1 - CFY 2022-23**

Total Income 0				Actual expenditure(till...): 0			Total No. Of Students 0
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
0	0	0	0	0	0	0	0

**Table 2 - CFYm1 2021-22**

Total Income 60522726.5				Actual expenditure(till...): 61373349.30			Total No. Of Students 1016
Fee	Govt.	Grants	Other sources(specify) By Interest from Bank, By Misc. Receipts, By Sale of Applications, By Rent from Bank, By Excess of Expenditure over income	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
51273300	0	0	9249426.5	54080127.55	7293221.75	0	60406.84

**Table 3 - CFYm2 2020-21**

Total Income 53484004.01				Actual expenditure(till...): 49711703			Total No. Of Students 963
Fee	Govt.	Grants	Other sources(specify) By Interest from bank, By Misc. receipts, By sale of Applications, By Rent from Bank, By Guest lectures, Workshop, softskills dpmt etc, by excess of Expenditure	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
50289802.00	0	0	3194202.01	45437785	4273918	0	51621.71

**Table 4 - CFYm3 2019-20**

Total Income 80267915.61				Actual expenditure(till...): 93696016.5			Total No. Of Students 1207
Fee	Govt.	Grants	Other sources(specify) By Interest from bank, By Misc. Receipts, By sale of applications, By rent from bank, by guest lectures, workshop, softskill dpmt, by excess of expenditure over income	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
62759400	0	0	17508515.61	72482590	21213426.5	0	77627.19

Items	Budgeted in 2022-23	Actual Expenses in 2022-23 till	Budgeted in 2021-22	Actual Expenses in 2021-22 till	Budgeted in 2020-21	Actual Expenses in 2020-21 till	Budgeted in 2019-20	Actual Expenses in 2019-20 till
Infrastructure Built-Up	0	0	1000000	1357106	900000	857793	15000000	14332241
Library	0	0	300000	304582	300000	297833.64	600000	567714
Laboratory equipment	0	0	70000	64900	50000	0	50000	34000
Laboratory consumables	0	0	100000	132713	300000	258420	100000	116370

Teaching and non-teaching staff salary	0	0	45000000	40758719	40000000	32926195	60000000	53270089
Maintenance and spares	0	0	5000000	5091173	3500000	3696796	7000000	6807733
R&D	0	0	200000	129186	500000	454351.3	700000	691061
Training and Travel	0	0	200000	307691.3	50000	0	50000	0
	0	0	6000000	7078270.16	400000	446383.5	1000000	948241.1
Others, specify	0	0	6000000	6149009	10000000	10773932	17500000	16848067
<b>Total</b>	<b>0</b>	<b>0</b>	<b>63870000</b>	<b>61373349.46</b>	<b>56000000</b>	<b>49711704.44</b>	<b>102000000</b>	<b>93615516.1</b>

**10.3 Program Specific Budget Allocation, Utilization (30)**

Total Marks 30.00

**10.3.1 Adequacy of budget allocation (10)**

Institute Marks : 10.00

**A. Quantum of Budget Allocation for 3 Years**

Details of Budget allocated and utilized for the years 2020-2021, 2019-2020, 2018-2019 are provided as follows.

<b>CAY (2021-22)</b>	<b>CAY (2020-21)</b>	<b>CAYm1(2019-20)</b>
<b>Budget Allocation (Rs. )</b>	<b>Budget Allocation (Rs. )</b>	<b>Budget Allocation (Rs. )</b>
<b>620000</b>	<b>640000</b>	<b>500000</b>

**B. Justification of Budget Allocated for 3 years**

During the commencement of every academic year the head of the department will convene a meeting regarding the requirements of the department. Faculty members have to give the details of the approximate expenses of the events, equipments, etc. Based on the details given by the faculty members the head will prepare a report on recurring and non recurring expenses which has to be presented to the principal. The principal then send the budget proposal to the management for approval.

Institute Marks :

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3

CFY: (Current Financial Year),

CFYm1 : (Current Financial Year minus 1),

CFYm2 : (Current Financial Year minus 2) and

CFYm3 : (Current Financial Year minus 3)

Table 1 :: CFY 2022-23

0		Actual expenditure (till...): 0		Total No. Of Students 0
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
0	0	0	0	0

Table 2 :: CFYm1 2021-22

620000		Actual expenditure (till...): 541341		Total No. Of Students 92
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
20000	600000	14330	527011	5884.14

Table 3 :: CFYm2 2020-21

640000		Actual expenditure (till...): 558232		Total No. Of Students 76
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
35000	605000	15104	543128	7345.16

Table 4 :: CFYm3 2019-20

600000		Actual expenditure (till...): 591439		Total No. Of Students 62
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
50000	550000	46159	545280	9539.34

Items	Budgeted in 2022-23	Actual Expenses in 2022-23 till	Budgeted in 2021-22	Actual Expenses in 2021-22 till	Budgeted in 2020-21	Actual Expenses in 2020-21 till	Budgeted in 2019-20	Actual Expenses in 2019-20 till
Laboratory equipment	0	0	10000	9700	0	0	0	0
Software	0	0	000	0	0	0	0	0
Laboratory consumable	0	0	0	0	5000	1628	150000	117280
Maintenance and spares	0	0	10000	4630	30000	13570	50000	46159
R & D	0	0	0	0	0	0	0	0
Training and Travel	0	0	600000	527011	600000	541500	400000	428000
	00	0	0	0	5000	1534	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>620000</b>	<b>541341</b>	<b>640000</b>	<b>558232</b>	<b>600000</b>	<b>591439</b>

## 10.3.2 Utilization of allocated funds (20)

Institute Marks : 20.00

**A. Budget Utilization for 3 years****Table 10.3.2.1 Budget Allocated and Utilized for the past 3 years**

CAY (2021-22)		CAY m1(2020-21)		CAYm2(2019-20)	
Allocated (Rs. )	Utilized (Rs. )	Allocated (Rs. )	Utilized (Rs. )	Allocated (Rs. )	Utilized (Rs. )
620000	541341	640000	558232	500000	591439

**Table 10.3.2.2 Utilization of allocated funds for past 3 years**

	CAY (2020-21)	CAYm1(2019-20)	CAYm2(2018-19)
Utilization of allocated funds	87.3 %	87.2 %	84.5 %

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**10.4 Library and Internet (20)**

Total Marks 20.00

**10.4.1 Quality of learning resources (hard/soft) (10)**

**10.4.1.1 Quality of Learning resources:****Available learning resources**

The Students and faculty members are facilitated with rich collection of Learning resources.

**Table. 10.4.1.1 Details of Library Resources**

Library Resources			
Number of Titles	Number of Volumes	Academic CD's	Journals
11357	73959	2720	78

1. e-learning Sources:
2. IIT(M)
3. Anna University ( Affiliating University)
4. DELNET
5. AICTE e-Kumbh
6. IETE
7. IEI
8. Sleek

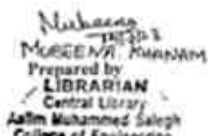
**Accessibility to students:**

The library will be kept open from 08.30 am to 06.00 pm. Each Student is provisioned with Library Access Card of 4. Library is adequately spaced, naturally ventilated with light and air leading to read friendly ambience.

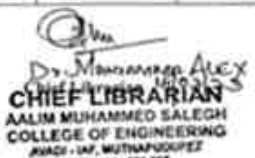
**Table 10.4.1.2 Library Infrastructure**

Carpet area of library	430 m <sup>2</sup>
Number of seats in reading space	130
Number of transactions per day	60
No. of Online Public Access Catalog (OPAC)	23 desktop computers with Internet Facilities.


AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING Muthapudupet, Avadi – IAF, Chennai – 600055 CENTRAL LIBRARY						
Name of the ILMSSoftware		Version		Year of automation		
INSPRO PLUS ERP 6.1		ERP VERSION 6.1		2013		
	Existing (Acc. No 32871-Acc.No 44034)		Newly added in the year 2022-2023 (Acc. No 44035-Acc.No 44362)		Total	
	No.	Value (Rs.)	No.	Value (Rs.)	No.	Value (Rs.)
Text Books	11036	3,960,860.99	321	193119.2	11357	4153980.19
Reference Books	128	102,444.80	7	5159	135	107603.8
e-Books	763		50		813	
Journals	73	3560728.54	5	214849	78	3775577.54
e-Journals	Delnet, NDL, IEI & IETE,	54280	Delnet	13570	Delnet, NDL, IEI & IETE,	67850
CD & Video	2720		-		2720	
Library automation	INSPRO PLUS ERP 6.1					
Weeding (Hard & Soft)	778				778	
Others (New Papers)		5594				5594
<b>TOTAL</b>		<b>76,83,968.33</b>		<b>426697.2</b>		<b>8110605.53</b>



Muzammil  
MUGGENI, MANNAM  
Prepared by  
**LIBRARIAN**  
Central Library  
Aalim Muhammed Salegh  
College of Engineering



Dr. Mohammed Alex  
**CHIEF LIBRARIAN**  
AALIM MUHAMMED SALEGH  
COLLEGE OF ENGINEERING  
AVADI - IAF, MUTHAPUDUPET  
CHENNAI - 600 055.



Principal  
AALIM MUHAMMED SALEGH  
COLLEGE OF ENGINEERING

Figure 10.4.1.1. Index of available Library Resources.





Figure 10.4.1.2. Receipt of DELNET Subscription

10.4.2 Internet (10)

Institute Marks : 10.00

Name of the Internet provider	TATA Tele Business Services & Blue Lotus (Aeronet)
Available band width	50mbps 1:1 ILL & 500mbps BB Unlimited
WiFi availability	Yes, Wi-Fi facility available with desirable speed.
Internet access in labs, classrooms, library and offices of all Departments	14
Security arrangements	Yes, IS15 - K7 enterprise end point security

**Annexure I**  
**(A) PROGRAM OUTCOME (POs)**

Engineering Graduates will be able to:

- Engineering Knowledge** : Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- Problem Analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

**(B) PROGRAM SPECIFIC OUTCOME (PSOs)**

PSO1	To adapt emerging Information and Communication Technologies in order to come up with new ideas and solutions for existing and new challenges.
PSO2	To create software systems, components, or processes that meet specific requirements with financial, environmental, and societal constraints.

# Declaration

The head of the institution needs to make a declaration as per the format given -

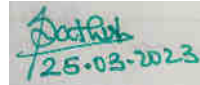
- I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines inforce as on date and the institutes hall fully abide by them.
- It is submitted that information provided in this Self Assessment Report is factually correct.
- I understand and agree that an appropriate disciplinary action against the Institute willbe initiated by the NBA. In case, any false statement/information is observed during pre-visit, visit, postvisit and subsequent to grant of accreditation.

**Head of the Institute**

Name : Prof. Dr. S. Sathish

Designation : Principal

Signature :



Seal of The Institution :



**Place** : I.A.F Avadi, Chennai

**Date** : 25-03-2023 16:57:36

