

PERI INSTITUTE OF TECHNOLOGY

Electronics & Communication Engg.

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Part A : Institutional Information

1 Name and Address of the Institution

PERI INSTITUTE OF TECHNOLOGY,
PERI INSTITUTE OF TECHNOLOGY NO 1 MANNIVAKKAM WEST TAMBARAM CHENNAI 600048

2 Name and Address of Affiliating University

ANNA UNIVERSITY

3 Year of establishment of the Institution:

2010

4 Type of the Institution:

☐ University	☐ Autonomous
☐ Deemed University	☒ Affiliated
☐ Government Aided	

5 Ownership Status:

☐ Central Government	☒ Trust
☐ State Government	☐ Society
☐ Government Aided	☐ Section 25 Company
☒ Self financing	☐ 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

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
BE	UG	2011	2011	60	Yes	120	Applying first time	--	--	Yes	4

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
Sanctioned Intake for Last Five Years for the BE											
Academic Year					Sanctioned Intake						
2019-20					120						
2018-19					120						
2017-18					120						
2016-17					120						
2015-16					120						
2014-15					120						
ME - APPLIED ELECTRONICS	PG	2012	2012	18	Yes	24	Eligible but not applied	--	--	No	2
Sanctioned Intake for Last Five Years for the ME - APPLIED ELECTRONICS											
Academic Year					Sanctioned Intake						
2019-20					24						
2018-19					24						
2017-18					24						
2016-17					24						
2015-16					24						
2014-15					24						
ME-Communication Systems	PG	2012	2012	18	Yes	0	Not eligible for accreditation	--	--	No	2

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
Sanctioned Intake for Last Five Years for the ME- Communication Systems											
Academic Year					Sanctioned Intake						
2019-20					0						
2018-19					24						
2017-18					24						
2016-17					24						
2015-16					24						
2014-15					24						

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.

9 Total number of employees in the institution:

A. Regular* Employees (Faculty and Staff):

Items	2019-20		2018-19		2017-18	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	75	82	75	82	75	82
Faculty in Engineering (Female)	40	42	42	44	44	48
Faculty in Maths, Science & Humanities (Male)	14	16	12	16	14	16
Faculty in Maths, Science & Humanities (FeMale)	14	16	16	16	16	16
Non-teaching staff (Male)	16	16	16	16	16	16
Non-teaching staff (FeMale)	12	12	12	12	12	12

B. Contractual* Employees (Faculty and Staff):

Items	2019-20		2018-19		2017-18	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	7	8	7	8	8	8
Faculty in Engineering (Female)	2	2	2	2	2	2
Faculty in Maths, Science & Humanities (Male)	2	4	2	4	2	4
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	☒ Shift1	☐ Shift2
Engineering and Technology- PG	☒ Shift1	☐ Shift2
Engineering and Technology- Polytechnic	☐ Shift1	☐ Shift2
MBA	☐ Shift1	☐ Shift2
MCA	☐ Shift1	☐ Shift2

Engineering and Technology- UG Shift-1

Items	2019-20	2018-19	2017-18
Total no. of Boys	1310	1576	1518
Total no. of Girls	330	384	356
Total	1640	1960	1874

Engineering and Technology- PG Shift-1

Items	2019-20	2018-19	2017-18
Total no. of Boys	7	9	6
Total no. of Girls	12	4	4
Total	19	13	10

11 Vision of the Institution:

PERI Institute of Technology has a vision to be an internationally recognised Institution of higher learning in Engineering, Technology & Science. PERI also visualises being a Research incubator for academicians, Industrialists and researchers from across the world.

The information regarding the vision, mission are made available in the College website

(<http://peri.education/periit/index.php> (<http://peri.education/periit/index.php>)), Test, Assignment & Record note books . Posters are displayed in every classroom, staff room, HOD chamber, at the Admin Block & entrance of the all other blocks in the campus.

12 Mission of the Institution:

PERI Institute of Technology will endeavor to emerge as a premier technical institution in the country by

- Providing state-of-the-art infrastructure facilities to achieve excellence in teaching-learning, Research & Development.
- Aligning with leading industries to create competent engineers through internships and placement focused training.
- Create an environment which is conducive to learn skills which will solve pressing issues along with foundation in moral values and ethics.

The Vision and Mission of PERIIT are published and disseminated at:

College website:<http://peri.education/periit/index.php>

(<http://peri.education/periit/index.php>)),

Student Test, Assignment & Record Note books

Department notice boards

HOD Room's

College brochure

Staff Rooms

Laboratories

Corridors

Admin & other Blocks in the campus

Library

Conferance

Conference/seminar hall

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

Head of the Institution	
Name	Dr.R.Palson Kennedy
Designation	Principal
Mobile No.	9444044720
Email ID	principal@periit.com

☒ **NBA Coordinator, If Designated**

Name	S.Sebastin Suresh
Designation	Assistant Professor
Mobile No.	9994055305
Email ID	ssbastin007@gmail.com

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	71.21
5	FACULTY INFORMATION AND CONTRIBUTIONS	200	178.43
6	FACILITIES AND TECHNICAL SUPPORT	80	80.00
7	CONTINUOUS IMPROVEMENT	50	50.00
8	FIRST YEAR ACADEMICS	50	41.56
9	STUDENT SUPPORT SYSTEMS	50	50.00
10	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	120	120.00
	Total	1000	891

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	PERI Institute of Technology has a vision to be an internationally recognised Institution of higher learning in Engineering, Technology & Science. PERI also visualises being a Research incubator for academicians, Industrialists and researchers from across the world. The information regarding the vision, mission are made available in the College website (http://peri.education/periit/index.php (http://peri.education/periit/index.php)), Test, Assignment & Record note books . Posters are displayed in every classroom, staff room, HOD chamber, at the Admin Block & entrance of the all other blocks in the campus.
Mission of the institute	PERI Institute of Technology will endeavor to emerge as a premier technical institution in the country by • Providing state-of-the-art infrastructure facilities to achieve excellence in teaching-learning, Research & Development. • Aligning with leading industries to create competent engineers through internships and placement focused training. • Create an environment which is conducive to learn skills which will solve pressing issues along with foundation in moral values and ethics. The Vision and Mission of PERIIT are published and disseminated at: College website:http://peri.education/periit/index.php (http://peri.education/periit/index.php), Student Test, Assignment & Record Note books Department notice boards HOD Room's College brochure Staff Rooms Laboratories Corridors Admin & other Blocks in the campus Library Conferance Conference/seminar hall
Vision of the Department	To be recognized by the society as an excellent department and to emerge as a “centre of excellence” in the field of Electronics and Communication Engineering that imparts high quality education which create engineers capable of providing comprehensive solutions to the challenges in the latest technological trends.

Mission of the Department	Mission No.	Mission Statements
	M1	• To inculcate research oriented learning amongst students.
	M2	• To provide quality education to make the students Entrepreneur and Employable.
	M3	• To produce graduate with ethical values and thirst for lifelong learning.

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

Total Marks 5.00

Institute Marks : 5.00

PEO No.	Program Educational Objectives Statements
PEO1	Graduate will possess fundamental prerequisites in mathematical, scientific and engineering fields required to solve technical problems.
PEO2	Graduates will possess proficiency in hardware languages and use of latest software tools so as to comprehend, analyze, design and create novel solutions for the real life problems.
PEO3	Graduates will involve in professional and ethical environment, to build effective communication skills, multidisciplinary and teamwork skills and to relate engineering issues to broader social context.
PEO4	Graduate will have the knowledge to adapt to the changing industrial needs and to become an entrepreneur to lead a successful professional career in lifelong learning.

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

Total Marks 10.00

Means	Stakeholders
College website: http://www.periit.com	Students, Parents, Faculty, Alumni, Industry experts, Employers, Academic experts, Funding agencies and general public
Notice Boards	Students & Faculty
Department Library	Students & Faculty
Laboratories	Students & Faculty
HOD / Faculty rooms , Audio Visual Halls	Students & Faculty

The Internal and External Stakeholders of the Program are shown in the following Table

INTERNAL STAKE HOLDERS	EXTERNAL STAKE HOLDERS
Students	Industry experts, Academic experts, employers
Faculty	Alumni, university representatives
Governing body members	Parents

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

Total Marks 25.00

Institute Marks : 25.00

The steps involved in the process are as follows:

Step 1: The Vision and Mission from Benchmarking institutions are taken as reference for framing the Vision and Mission of the Department and the Institution.

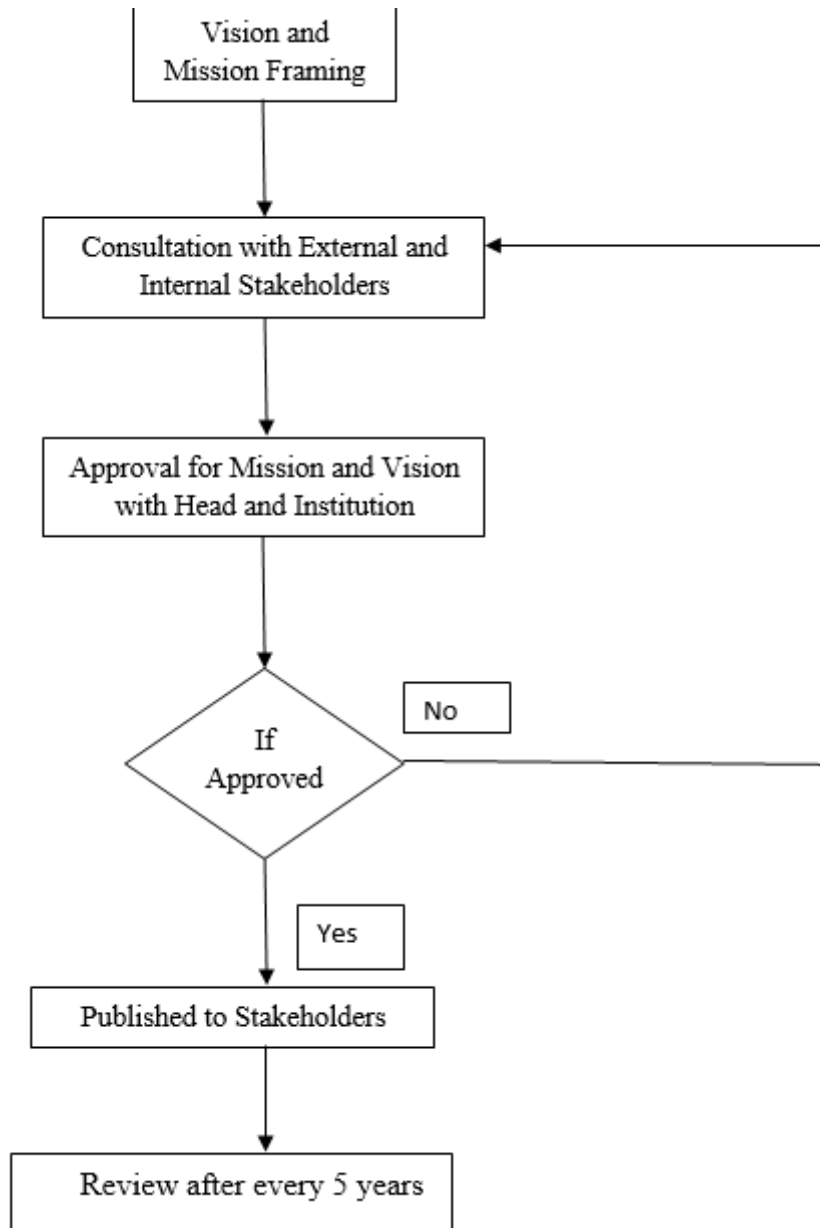
Step 2: Meeting was conducted with both Internal & External Stakeholders for the defining process with future scope of the Department as key point.

Step 3: The vision and mission formulated by the department is sent to the Head of the Institution for approval.

Step 4: The formulated Vision and Mission of the Department is approved by the Head of the Institution

Step 5: The Vision and Mission of the Department is conveyed to various Stakeholders of the Department.

The pic



The Program Educational Objectives (PEOs) of the program are framed after discussing with the Stakeholders of the Department taking into consideration, the Vision and Mission of the Institute and Department, current trends and future scope of the profession.

The steps involved in the process are as follows:

Step 1: The PEOs from Benchmarking institutions are taken as reference for framing the PEOs of the Department.

Step 2: Meeting was conducted with both Internal & External Stakeholders for the defining process with future scope of the Department as key point.

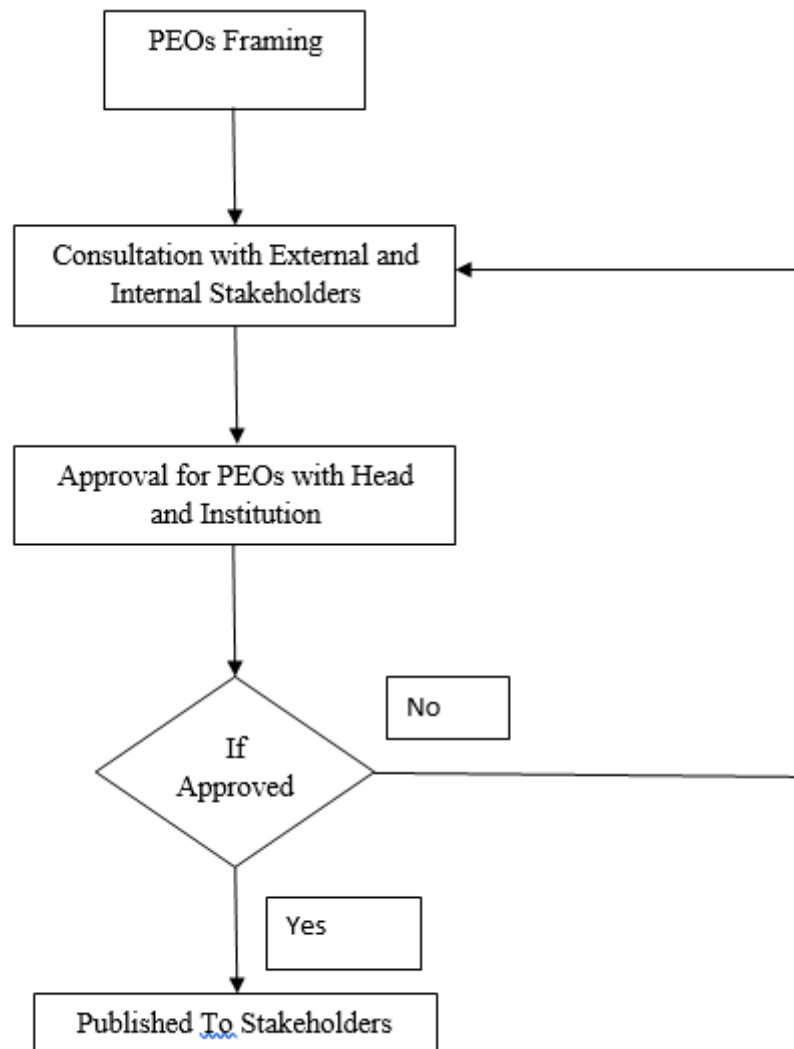
Step 3: The PEOs formulated by the department is sent to the Head of the Institution for approval.

Step 4: The formulated PEOs of the Department is approved by the Head of the Institution.

Step 5: The PEOs of the Department is conveyed to various Stakeholders of the Department.

Step 6: Program Educational Objectives (PEOs) of the program are published and disseminated to various Stakeholders of the department.

The pictorial representation of the process is shown in Figure 1.2.



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

Total Marks 15.00

Institute Marks : 15.00

PEO 1: Graduate will possess fundamental prerequisites in mathematical, scientific and engineering fields required to solve technical problems.

S.NO	PEO	MISSION	CORRELATION	JUSTIFICATION
1.	PEO 1	M1	2	- Students are provided with well-equipped Laboratories. - Students are asked to do projects in robotics and core domain. - Class room and Laboratory Facilities are suitable for Teaching Theoretical concepts and doing practical experiments
2.	PEO 1	M2	3	- Students are given opportunity to get trained in Industries through Internship during the course of study to expand their Knowledge. - Microsoft power point based lectures are used to educate students for visualizing concepts.
3.	PEO 1	M3	0	“-“
PEO 2: Graduates will possess proficiency in hardware languages and use of latest software tools so as to comprehend, analyze, design and create novel solutions for the real life problems.				
1.	PEO 2	M1	3	Institution provides software and hardware oriented labs, workshops and guest lecturers to enhance creativity of students

2.	PEO 2	M2	3	- Students are taught with diverse teaching methods (eg: Video lectures, OHP, Practical demonstrations, PPT etc) which help to improve their understanding level. - Students are asked to undergo in-plant training in industries relating to Electronics and Communication Engineering.
3.	PEO 2	M3	0	“ - ”
PEO 3. Graduates will involve in professional and ethical environment, to build effective communication skills, multidisciplinary and teamwork skills and to relate engineering issues to broader social context.				
1.	PEO 3	M1	3	- Additional Technical club activities are taken up by students to enrich their research perspective. - Department facilitates students to enroll in on line courses, participate in Technical workshops and guest lectures by Technical Experts to enhance their design analysis and creativity in multi-disciplinary environments.

2.	PEO 3	M2	2	- Students take up Mini Projects which exhibits their innovative ideas via project exhibition. - Students are motivated to work with industry supported labs.
3.	PEO 3	M3	0	“-“
PEO - 4 Graduate will have the knowledge to adapt to the changing industrial needs and to become an entrepreneur to lead a successful professional career in lifelong learning.				
1.	PEO 4	M1	0	“-“
2.	PEO 4	M2	3	- Additional activities such as placement training, Personality development program, Mock interviews etc. are provided for students to improve their personality which will make them as good professionals. - Students are taught management subjects in order to inculcate entrepreneurial skills. - Communication skills laboratories provide a platform for entrepreneurial activities.

3.	PEO 4	M3	3	- Students are given opportunity to present assignment and seminars in the recent field during seminar hour which helps then to evolve in lifelong learning - Students are inculcated Proper engineering practice such as public safety, precaution and health awareness which helps to attain society requirement easily.
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PEO Statements	M1	M2	M3
Graduate will possess fundamental prerequisites in mathematical, scientific and engineering fields required to solve technical problems.	2 ▼	3 ▼	- ▼
Graduates will possess proficiency in hardware languages and use of latest software tools so as to comprehend, analyze, design and create novel solutions for the real life problems.	3 ▼	3 ▼	- ▼
Graduates will involve in professional and ethical environment, to build effective communication skills, multidisciplinary and teamwork skills and to relate engineering issues to broader social context.	3 ▼	2 ▼	- ▼
Graduate will have the knowledge to adapt to the changing industrial needs and to become an entrepreneur to lead a successful professional career in lifelong learning.	- ▼	3 ▼	3 ▼

2 PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (120)

Total Marks 120.00

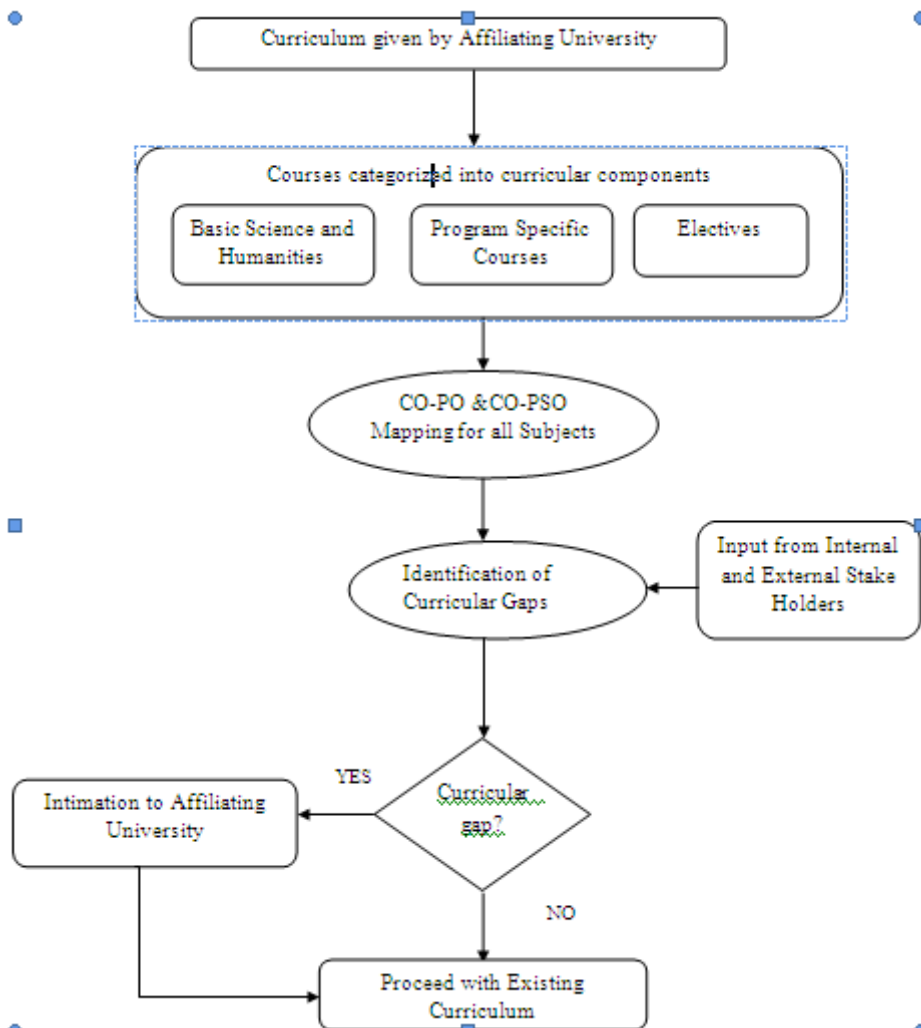
2.1 Program Curriculum (20)

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

Process diagram to identify extent of compliance of the university curriculum for attaining the programme outcomes and programme specific outcomes as follows,



Our college adheres to curriculum and syllabi as prescribed by Anna University, Chennai.

The syllabi comprises of multifaceted courses covering theory, practical and project. The table shows the regulations which are being followed in previous years and regulations which are in progress.

Regulation	Batch
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R 2013	2013-2017
	2014-2018
	2015-2019
	2016-2020
R 2017	2017-2021
	2018-2022

The extent of compliance of university curriculum with the POs & PSOs is identified and the process adapted to find out the curricular gaps is mentioned below:

A. The Curriculum is divided broadly into 3 Categories as listed below.

1. Basic Science & Humanities
2. Program Specific Courses
3. Electives

B. Each Subject is mapped into the corresponding category and POs and PSOs as shown below:

R-2017

Identification of curricular gaps

Basic Science	Engineering Physics – I, Engineering Chemistry – I, Engineering Graphics , Engineering Physics – II, Engineering Chemistry – II, Environmental Science and Engineering	13 %	PO1, PO2, PO7
Humanities	Mathematics – I, Mathematics – II, Transforms and Partial Differential Equations, Probability and Queuing Theory, Discrete Mathematics , Resource Management Techniques	13%	PO1, PO2, PO4, P10, P11, PSO1

Electronic Devices, Circuit Theory, Electrical Engineering and Instrumentation,
Object Oriented Programming and Data

Program Specific
Courses

Structures, Digital Electronics, Signals and Systems, Electronic Circuits- I,
Electronic Circuits II, Communication Theory, Electromagnetic Fields, Linear
Integrated Circuits, Control System Engineering, Digital Communication,
Principles of Digital Signal Processing, Transmission Lines and Wave Guides,
Environmental Science and Engineering, Microprocessor and Microcontroller,
Principles of Management, Computer Architecture, Computer Networks, VLSI
Design, Antenna and Wave Propagation, Medical Electronics, Communication
and Soft Skills- Laboratory, RF and Microwave Engineering, Optical
Communication and Networks.

57%

PO1, PO2, PO3, PO4, PO5,
PO6, PO7, PO8, PO9, P10,
PO11, PO12

PSO1, PSO2, PSO3

Elective

Total Quality Management, Wireless Networks, Professional Ethics in
Engineering, Data Converters Digital Image Processing, Embedded and Real
Time Systems, Advanced Computer Architecture, Advanced Microprocessors
and Microcontrollers, Satellite Communication, Electromagnetic Interference &
Compatibility, Advanced Digital Signal Processing, Speech Processing

21%

PO1, PO2, PO3, PO5,
PO12

Content Delivery

PO2, PO3, PO4, PO5,
PO12

Laboratory Work

PO1, PO2, PO3, PO4, PO5,
PO9, PO10, PSO1, PSO2,
PSO3, PSO4

Project Work

PO1, PO2, PO3, PO4,
PO5, PO6, PO7, PO8, PO9,
PO10, PO11, PO12, PSO1,
PSO2, PSO3, PSO4

Programme Outcomes

**Weightage based on the Mapping to
Curriculum Subjects**

Percentage (%)

PO1: Engineering Knowledge

7

14.58

PO2: Problem Analysis

6

12.50

PO3: Design/Development of Solutions	4	8.33
PO4: Conduct investigations of complex problems	5	10.41
PO5: Modern Tool Usage	4	8.33
PO6: The Engineer and Society	2	4.16
PO7: Environment and Sustainability	3	6.25
PO8: Ethics	3	6.25
PO9: Individual and Team Work	4	8.33
PO10: Communication	4	8.33
PO11: Project Management and Finance	4	8.33
PO12: Life Long Learning	3	6.25
PSO1: An ability to understand the concepts of basic Electronics & Communication Engineering and to apply them to various areas like Signal processing, VLSI, Embedded systems, Communication Systems, Digital & Analog Devices, etc.	4	33.33
PSO2: An ability to solve complex Electronics and Communication Engineering problems, using latest hardware and software tools, along with analytical skills to arrive cost effective and appropriate solutions.	4	33.33
PSO3: Wisdom of social and environmental awareness along with ethical responsibility to have a successful career and to sustain passion and zeal for real-world applications using optimal resources as an Entrepreneur.	4	33.33

Identified Curricular Gaps based on POs and PSOs are given below:

- PO6: The Engineer and Society
- PO7: Environment and Sustainability

- PO8: Ethics
- PO12: Lifelong learning

*Batch18-22 and Batch 17-21 are under Regulation 2017 are in progress of the course and have completed only four semesters as per CAY.

R-2013

Identification of curricular gaps

Categories of Curriculum	Subjects	Percentage of Contribution	Mapped POs and PSOs
Basic Science	Engineering Physics – I, Engineering Chemistry – I, Engineering Graphics , Engineering Physics – II, Engineering Chemistry – II, Environmental Science and Engineering, Basic Civil and Mechanical Engineering, Electric Circuits and Electronic Devices	17%	PO1, PO2, PO7
Humanities	Mathematics – I, Mathematics – II, Technical English-I, Technical English-II, Transforms and Partial Differential Equations, Probability and Queuing Theory, Engineering Economics and Financial Accounting	15%	PO1, PO2, PO4, P10, P11, PSO1
Program Specific Courses	Electronic Devices, Circuit Theory, Electrical Engineering and Instrumentation, Object Oriented Programming and Data	51%	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, P10, PO11, PO12
	Structures, Digital Electronics, Signals and Systems, Electronic Circuits- I, Electronic Circuits II, Communication Theory, Electromagnetic Fields, Linear Integrated Circuits, Control System Engineering, Digital Communication, Principles of Digital Signal Processing, Transmission Lines and Wave Guides, Environmental Science and Engineering, Microprocessor and Microcontroller, Principles of Management, Computer Architecture, Computer Networks, VLSI Design, Antenna and Wave propagation, Medical Electronics, Communication and Soft Skills- Laboratory, RF and Microwave Engineering, Optical Communication and Networks.		PSO1, PSO2, PSO3

Categories of Curriculum**Subjects****Percentage of Contribution Mapped POs and PSOs**

Elective	Total Quality Management, Wireless Networks, Professional Ethics in Engineering, Data Converters Digital Image Processing, Embedded and Real Time Systems, Advanced Computer Architecture, Advanced Microprocessors and Microcontrollers, Satellite Communication, Electromagnetic Interference & Compatibility, Advanced Digital Signal Processing, Speech Processing	17%	PO1, PO2, PO3, PO5, PO12
	Content Delivery		PO2, PO3, PO4, PO5, PO12
	Laboratory Work		PO1, PO2, PO3, PO4, PO5, PO9, PO10, PSO1, PSO2, PSO3, PSO4
	Project Work		PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3, PSO4

Programme Outcome**Weightage based on the Mapping to Curriculum Subjects****Percentage (%)**

PO 1: Engineering Knowledge	5	11.11
PO2: Problem Analysis	6	13.33
PO3: Design/Development of Solutions	4	8.88
PO4: Conduct investigations of complex problems	5	11.11
PO5: Modern Tool Usage	4	8.88
PO6: The Engineer and Society	2	4.44

PO7: Environment and Sustainability	3	6.66
PO8: Ethics	3	6.66
PO9: Individual and Team Work	4	8.88
PO10: Communication	4	8.88
PO11: Project Management and Finance	4	8.88
PO12: Life Long Learning	1	2.22

PSO1: An ability to understand the concepts of basic Electronics & Communication Engineering and to apply them to various areas like Signal processing, VLSI, Embedded systems, Communication Systems, Digital & Analog Devices, etc.	4	33.33
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PSO2: An ability to solve complex Electronics and Communication Engineering problems, using latest hardware and software tools, along with analytical skills to arrive cost effective and appropriate solutions.	4	33.33
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PSO3: Wisdom of social and environmental awareness along with ethical responsibility to have a successful career and to sustain passion and zeal for real-world applications using optimal resources as an Entrepreneur.	4	33.33
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Identified Curricular Gaps based on POs and PSOs are given below:

- PO6 : The Engineer and Society
- PO7 : Environment and Sustainability
- PO8 : Ethics
- PO12 : Lifelong learning

MEASURES TAKEN TO FULFILL THE CURRICULUM GAP RELEVANT TO POs AND PSOs

PO6: The Engineer and Society

- Case studies enhance the student's understanding and learning experience.
- Latest happenings in the region and globe have been published in newsletter and magazines.
- Encourage the students to do the social relevance projects.
- Professional Society activities provide platform to address societal issues.

PO7: Environment and Sustainability

- Organizing various guest lectures that focus on reinforcing the importance of environment and its sustainability on the young engineering minds.
- Engaging students with group activities in the classroom to enlighten them with the implication of engineering practices on the environment.

PO8: Ethics

- Awareness program through guest lectures / Student Club activities.
- Field study and field work through NSS / NCC.
- Assistance to aspiring student entrepreneurs through the EDC-Entrepreneurship Development Cell of the College.

PO12: Life Long Learning

To meet the technological change, the following methods are adopted to enhance lifelong learning

- Special guest lectures for higher studies
- Education Fair
- GATE awareness program
- In-plant trainings
- Workshops
- Paper Presentations
- Projects for updating the technological innovations

Similarly, the following programs are also conducted to fulfill the curriculum gap relevant to POs and PSOs.

- Awareness program through guest lectures / Student Club activities.
- Field study and field work through NSS / NCC.
- Assistance to aspiring student entrepreneurs through the EDC-Entrepreneurship Development Cell of the College.

Further, the gaps are strengthened by conducting the various events as mentioned in section 2.1.2.

**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

2018-19

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	Electronic Circuits- I	GUEST LECTURE	11/7/2018	Dr.Nagarajan,Vice Principal, Adhiparasakthi Engineering College, Melmaruvathur	10	PSO-3
2	Signals and Systems	SEMINAR	9/8/2018	Dr.K.Chandirasakaran, Assistant Professor,Anand,Anand Institute of Higher Technology, Kalasalingam Nagar, IT Corridor, Old Mahablipuram Road, Kazhipathur, Tamil Nadu 603103	12	PSO-3
3	Principles of Digital Signal Processing	SEMINAR	18/07/2018	Mr.K.Lakshiminarayannan,AssociateProfessor,SRI VENKATESWARA INSTITUTE OF SCIENCE & TECHNOLOGY, Kolundhalur Road, Tiruvallur, Tamil Nadu 631203	12	PSO-2, PSO-3
4	Transmission Lines and Wave Guides	GUEST LECTURE	16/8/2018	Mr.Antonyvigil, Assistant Professor,SRI VENKATESWARA INSTITUTE OF SCIENCE & TECHNOLOGY, Kolundhalur Road, Tiruvallur, Tamil Nadu 631203	12	PSO-3
5	RF and Microwave Engineering	SEMINAR	26/07/2018	Dr.R.Nirmal, Assistant Professor,St.Joseph College of Engineering, Trinity Campus, Nemili, Beemanthangal, Sriperumbudur, Tamil Nadu 632105	14	PSO-2, PSO-3
6	Embedded and Real Time Systems	SEMINAR	23/8/2018	Mr.Shrinivasan, Assistant Professor ,Sri Krishna Engineering College, No:27, Duraisamy Reddy Street, West Tambaram, Chennai, Tamil Nadu 600045	12	PSO-2,PSO-3
7	Electromagnetic Fields	GUEST LECTURE	22/01/2019	Mr.M.Kumaraguru, Assistant Professor,SRI VENKATESWARA INSTITUTE OF SCIENCE & TECHNOLOGY, Kolundhalur Road, Tiruvallur, Tamil Nadu 631203	12	PSO-2, PSO-3
8	Control System Engineering	SEMINAR	15/02/2019	Mr.M.S.Mukesh, Assistant Professor, Adhiparasakthi Engineering College, Melmaruvathur	12	PSO-2, PSO-3
9	Antenna and Wave propagation	SEMINAR	29/01/2019	Mr.S.Kurbakaran, Assistant Professor, Adhiparasakthi Engineering College, Melmaruvathur	12	PSO-2, PSO-3

10	VLSI Design	GUEST LECTURE	22/02/2019	Mr.Saravanan, Assistant Professor,Aksheyaa College of Engineering, Near Nelvoy Junction, Melavalampettai - Nelvoy Road, Maduranthagam Taluk, Puludivakkam, Tamil Nadu 603314	12	PSO-3
11	Wireless Networks	SEMINAR	31/01/2019	Mr.P.Pavandan, , Assistant Professor, Adhiparasakthi Engineering College, Melmaruvathur	12	PSO-3
12	Wireless Communication	SEMINAR	27/02/2019	Mr.S.P.SivaShrinivasan,AssociateProfessor,SRI VENKATESWARA INSTITUTE OF SCIENCE & TECHNOLOGY, Kolundhalur Road, Tiruvallur, Tamil Nadu 631203	12	PSO-3

2017-18

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	Electronic Circuits- I	GUEST LECTURE	11/7/2017	Mr.P.J.Raguraman, Assistant Professor,SRI VENKATESWARA INSTITUTE OF SCIENCE & TECHNOLOGY, Kolundhalur Road, Tiruvallur, Tamil Nadu 631203	10	PSO-3
2	Signals and Systems	SEMINAR	9/8/2017	Dr.K.Chandirasakaran, Assistant Professor,Anand,Anand Institute of Higher Technology, Kalasalingam Nagar, IT Corridor, Old Mahablipuram Road, Kazhipathur, Tamil Nadu 603103	12	PSO-3
3	Principles of Digital Signal Processing	SEMINAR	18/07/2017	Mr.K.Lakshiminarayannan,AssociateProfessor,SRI VENKATESWARA INSTITUTE OF SCIENCE & TECHNOLOGY, Kolundhalur Road, Tiruvallur, Tamil Nadu 631203	12	PSO-2, PSO-3
4	Transmission Lines and Wave Guides	GUEST LECTURE	16/8/2017	Mr.Karthikeyan, Associate Professor, Hindustan Institute of Engineering Technology, 1, Rajiv Gandhi Salai, Old Mahabalipuram Road, Padur, Kelambakam, Chennai, Tamil Nadu 603103	12	PSO-3
5	RF and Microwave Engineering	SEMINAR	26/07/2017	Mr.SaravanaMoorthy, Assistant Professor ,Sri Krishna Engineering College, No:27, Duraisamy Reddy Street, West Tambaram, Chennai, Tamil Nadu 600045	14	PSO-2, PSO-3
6	Embedded and Real Time Systems	SEMINAR	23/08/2017	Mr.BarathBabu, Assistant Professor,Anand Institute of Higher Technology, Kalasalingam Nagar, IT Corridor, Old Mahablipuram Road, Kazhipathur, Tamil Nadu 603103	12	PSO-2, PSO-3

7	Electromagnetic Fields	GUEST LECTURE	22/01/2018	Mr.M.Kumaraguru, Assistant Professor, Sri Venkateswara Institute of Science & Technology, Kolundhalur Road, Tiruvallur, Tamil Nadu 631203	12	PSO-2, PSO-3
8	Control System Engineering	SEMINAR	15/02/2018	Mr.M.S.Mukesh, Assistant Professor, Adhiparasakthi Engineering College, Melmaruvathur	12	PSO-2, PSO-3
9	Antenna and Wave propagation	SEMINAR	29/01/2018	Dr.R.Jothichitra, Associate Professor, Adhiparasakthi Engineering College, Melmaruvathur	12	PSO-2, PSO-3
10	VLSI Design	GUEST LECTURE	22/02/2018	Mr.Sathish Kumar, , Assistant Professor, T.J.S. Engineering college, Pudukkottai, Tamil Nadu 601206	12	PSO-3
11	Wireless Networks	SEMINAR	31/01/2018	Mr.P.J.Raguraman, Assistant Professor, SRI VENKATESWARA INSTITUTE OF SCIENCE & TECHNOLOGY, Kolundhalur Road, Tiruvallur, Tamil Nadu 631203	12	PSO-3
12	Wireless Communication	SEMINAR	27/02/2018	Mr.P.Pavandan, , Assistant Professor, Adhiparasakthi Engineering College, Melmaruvathur	12	PSO-3

2016-17

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	Electronic Circuits- I	GUEST LECTURE	11/7/2017	Mr.P.J.Raguraman, Assistant Professor, SRI VENKATESWARA INSTITUTE OF SCIENCE & TECHNOLOGY, Kolundhalur Road, Tiruvallur, Tamil Nadu 631203	10	PSO-3
2	Signals and Systems	SEMINAR	9/8/2017	Dr.K.Chandirasakaran, Assistant Professor, Anand, Anand Institute of Higher Technology, Kalasalingam Nagar, IT Corridor, Old Mahablipuram Road, Kazhipathur, Tamil Nadu 603103	12	PSO-3
3	Principles of Digital Signal Processing	SEMINAR	18/07/2017	Mr.K.Lakshiminarayannan, Associate Professor, SRI VENKATESWARA INSTITUTE OF SCIENCE & TECHNOLOGY, Kolundhalur Road, Tiruvallur, Tamil Nadu 631203	12	PSO-2, PSO-3

4	Transmission Lines and Wave Guides	GUEST LECTURE	16/8/2017	Mr.Karthikeyan, Associate Professor, Hindustan Institute of Engineering Technology, 1, Rajiv Gandhi Salai, Old Mahabalipuram Road, Padur, Kelambakam, Chennai, Tamil Nadu 603103	12	PSO-3
5	RF and Microwave Engineering	SEMINAR	26/07/2017	Mr.SaravanaMoorthy, Assistant Professor ,Sri Krishna Engineering College, No:27, Duraisamy Reddy Street, West Tambaram, Chennai, Tamil Nadu 600045	14	PSO-2, PSO-3
6	Embedded and Real Time Systems	SEMINAR	23/8/2017	Mr.BarathBabu, Assistant Professor,Anand,Anand Institute of Higher Technology, Kalasalingam Nagar, IT Corridor, Old Mahablipuram Road, Kazhipathur, Tamil Nadu 603103	12	PSO-2,PSO-3
7	Electromagnetic Fields	GUEST LECTURE	9/2/2017	Mr.M.Kumaraguru, Assistant Professor,SRI VENKATESWARA INSTITUTE OF SCIENCE & TECHNOLOGY, Kolundhalur Road, Tiruvallur, Tamil Nadu 631203	12	PSO-2, PSO-3
8	Control System Engineering	SEMINAR	6/3/2017	Mr.M.S.Mukesh, Assistant Professor, Adhiparasakthi Engineering College, Melmaruvathur	12	PSO-2, PSO-3
9	Antenna and Wave propagation	SEMINAR	16/02/2017	Dr.R.Jothichitra, Associate Professor, Adhiparasakthi Engineering College, Melmaruvathur	12	PSO-2, PSO-3
10	VLSI Design	GUEST LECTURE	14/3/2017	Mr.Sathish Kumar, , Assistant Professor, T.J.S. Engineering college, Pudukkottai, Tamil Nadu 601206.	12	PSO-3
11	Wireless Networks	SEMINAR	22/02/2017	Mrs.Lavanya, Assistant Professor,Aksheyaa College of Engineering, Near Nelvoy Junction, Melavalampettai - Nelvoy Road, Maduranthagam Taluk, Puludivakkam, Tamil Nadu 603314	12	PSO-3
12	Wireless Communication	SEMINAR	20/3/2017	Mr.S.P.SivaShrinivasan,AssociateProfessor,SRI VENKATESWARA INSTITUTE OF SCIENCE & TECHNOLOGY, Kolundhalur Road, Tiruvallur, Tamil Nadu 631203	12	PSO-3

2.2 Teaching - Learning Processes (100)

Total Marks 100.00

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

Institute Marks : 25.00

Principal and Heads of the departments frame the academic calendar and the Institution publishes semester plan based on the academic schedule published by affiliating university and it will be distributed to all the departments. The department prepares academic activity schedule with the following contents.

- a. Class committee meetings.

- b. Professional society activity.
- c. Internal assessment schedule.
- d. Industrial visit.
- e. Industrial training.
- f. Syllabus coverage schedule.
- g. Guest lectures.
- h. Project review schedule.
- i. Academic audit.

Based on the academic calendar faculty member should prepare the lesson plan, Course Materials and Question Papers to meet out the Course Outcomes.

The Process that adopts to improve the quality of teaching and learning contains the following steps.

Step 1: Adherence to Academic Calendar

The institution academic calendar for each semester is designed as per the University academic calendar. Typically, the odd semester commences during the third week of June and ends during the third week of October. The odd semester exam starts in the month of November/December. The even semester commences during the third week of December and ends during the third week of April. The even semester university exam starts in the month of April/May.

The first two weeks in each semester are allocated to conduct various career and personality development programmes for the students. Bridge courses are also conducted for the for the first year students before the commencement of first semester. It is ensured that the university prescribed duration of forty five hours for three credit courses and Sixty hours for four credit courses are allotted.

In addition, more lecture hours or tutorial hours are allotted for the courses with higher credits to fulfill the norms of the university. The total number of working days including training programs per semester is higher than the number of working days prescribed by the university.

Institution Academic Calendar Schedule

Semester	Commencement (In Month)	Last Working Day (In Month)	University Exam Commencement (In Month)
ODD	June/July	October/November	November/December
EVEN	December/January	April/May	May/June

Academic Year: 2018-2019 (ODD Semester)

S. No	Month	Date	Event
1.	June	13.06.2018	New staff induction program
2.		14.06.2018	Staff Meeting: Iguru software usage demo and installation

3.		18.06.2018	Staff meeting: Regarding subject allocation for odd semester (2018-2019)
4.		19.06.2018	Staff meeting: Regarding lesson plan preparation of individual subject
5.		20.06.2018	Commencement of Theory Class for II, III and IV year students
6.		22.06.2018 to 29.06.2018	Placement Training Program for IV year students
7.		24.06.2018	Lesson plan submission
8.		25.06.2018	Staff meeting: Regarding class notes materials preparation and submission date
9.		26.06.2018	Unit-I Class notes materials submission
10.		30.06.2018	Inter college faculty interaction and presentation
11.	July	01.07.2018	Department newsletter launch "Campus Chronicles"
12.		03.07.2018	Checking compliance of lesson plan & Class notes for III and IV year going faculty
13.		04.07.2018	III year Class-in-charge meeting: Regarding completion of Unit-I & CAT-I Exam
14.		05.07.2018	IV year Class-in-charge meeting: Regarding completion of Unit-I & CAT-I Exam
15.		06.07.2018	Mini Project demonstration on "Ultrasonic Sensor using Arduino Board"
16.		10.07.2018	Robofest'18
17.		11.07.2018	One day Seminar on "Telecommunication and Networks"
18.		12.07.2018	Class Committee Meeting-I for III and IV year students
19.		13.07.2018	III and IV year: Assignment-I Submission for all subjects

20.		17.07.2018	One day seminar on “Robotics and 3D Printing”
21.		17.07.2018 to 17.07.2018	Industrial Visit to BSNL, Chennai
22.		26.07.2018 to 27.07.2018	Advanced Robotics Level 2 Training
23.	August	01.08.2018 to 08.08.2018	CAT-I Exam (1 ½ units) for II, III and IV year students
24.		09.08.2018	Submission of CAT-I Marks
25.		10.08.2018	Commencement of stay back class for weak students
26.		13.08.2018	Dispatch of mark sheets to parents
27.		14.08.2018	Staff Meeting: Regarding result analysis of CAT-I for II, III and IV year students
28.		17.08.2018	Industrial Visit for III year students
29.		27.08.2018	III and IV year Class-in-charge meeting: Regarding completion of CAT-II Exam portions
30.		28.08.2018	One day Seminar on "Software on wheels -Neural Networks"
31.		29.08.2018	II year: Assignment-I Submission for all subjects
32.		30.08.2018	III and IV year: Assignment-II Submission for all subjects
33.		30.08.2018 to 31.08.2018	Two days National Workshop on “Robotics Automation with ESP 8266 - 2017”

34.	September	01.09.2018 to 02.09.2018	Hackathon PERI18
35.		03.09.2018 to 08.09.2018	CAT-II (1 ½ units) for II, III and IV year students
36.		10.08.2018	Submission of CAT-II Marks
37.		11.08.2018	Commencement of stay back class for weak students
38.		12.08.2018	Dispatch of mark sheets to parents
39.		13.09.2018	Staff Meeting: Regarding result analysis of CAT-II for II, III and IV year students
40.		14.09.2018	Staff Meeting: Regarding arrangement for symposium
41.		15.09.2018	Symposium
42.		17.09.2018	Class Committee Meeting-II for III and IV year students
43.		18.09.2018	Class Committee Meeting-I for II year students
44.		19.09.2018	III and IV year Class-in-charge meeting: Regarding completion of CAT-III Exam portions
45.		20.09.2018	II year Class-in-charge meeting: Regarding completion of CAT-III Exam portions
46.		21.09.2018	II year: Assignment-II Submission for all subjects
47.		24.09.2018	III and IV year: Assignment-III Submission for all subjects
48.	October	01.10.2018 to 08.10.2018	CAT-III (1 ½ units) for II, III and IV year students
49.		09.10.2018	Submission of CAT-III Marks
50.		10.10.2018	Commencement of stay back class for weak students
51.		11.10.2018	Dispatch of mark sheets to parents

52.		12.10.2018	Staff Meeting: Regarding result analysis of CAT-III for II, III and IV year students
53.		15.10.2018	Coaching 1
54.		16.10.2018	Coaching 1
55.		17.10.2018	Coaching 1+M1 (Tough sub1) Exam
56.		22.10.2018	Coaching 1
57.		23.10.2018	Coaching 1
58.		24.10.2018	Coaching 1+M1 (Tough sub2) Exam
59.		25.10.2018	Coaching 1
60.		26.10.2018	Coaching 1
61.		27.10.2018	Coaching 1+M1 (Tough sub3) Exam
62.		29.10.2018	Coaching 1
63.		30.10.2018	Coaching 1
64.		31.10.2018	Coaching 1+M1 (Tough sub4) Exam
65.	November	01.11.2018	Coaching 1
66.		02.11.2018	Coaching 1
67.		03.11.2018	Coaching 1+M1 (Tough sub5) Exam
68.		08.11.2018	Coaching 1
69.		09.11.2018	Coaching 1
70.		10.11.2018	Coaching 1+M1 (Tough sub6) Exam
71.		12.11.2018 to 17.11.2018	Model -2 Exam
72.		18.11.2018	Submission of MODEL Marks

73.	19.11.2018	Last working as per Anna University
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Academic Year: 2018-2019 (EVEN Semester)

S. No	Month	Date	Event
1.	December	03.12.2018	Staff meeting: Regarding subject allocation for even semester (2018-2019)
2.		06.12.2018	Staff meeting: Regarding lesson plan preparation of individual subject
3.		08.12.2018	Lesson plan submission
4.		11.12.2018	Staff meeting: Regarding class notes materials preparation and submission date
5.		14.12.2018	Class notes materials submission
6.		17.12.2018	Checking compliance of lesson plan & Class notes for II, III and IV year going faculty
7.		19.12.2018	Commencement of Theory Class for II, III and IV year students
8.		20.12.2018	Entrepreneurship Development Cell - Future of E-Commerce and Social Media for Entrepreneurs
9.		22.12.2018	One day Seminar on "Personality Development"
10.	January	02.01.2019	II, III year Class-in-charge meeting: Regarding completion of Unit-I & CAT-I Exam
11.		03.01.2019	Class Committee Meeting-I for III and IV year students
12.		04.01.2019	IV year Class-in-charge meeting: Regarding completion of Unit-I & CAT-I Exam
13.		05.01.2019 to 11.01.2019	CAT-I Exam (1 ½ Units) for II, III and IV year students

14.		18.01.2019	Submission of CAT-I Marks
15.		19.01.2019	Commencement of stay back class for weak students
16.		21.01.2019	Dispatch of mark sheets to parents
17.		23.01.2019	III and IV year Class-in-charge meeting: Regarding completion of CAT-II Exam portions
18.		24.01.2019	II year Class-in-charge meeting: Regarding completion of CAT-II Exam portions
19.		28.01.2019	II year: Assignment-I Submission for all subjects
20.		29.01.2019	III and IV year: Assignment-II Submission for all subjects
21.		30.01.2019	Workshop on Embedded Systems(Arduino and Raspberry Pi)
22.	February	04.02.2019 to 09.02.2019	CAT-II (1 ½ units) for II, III and IV year students
23.		11.02.2019	Submission of CAT-II Marks
24.	February	12.02.2019	Commencement of stay back class for weak students
25.		13.02.2019	Dispatch of mark sheets to parents
26.		14.02.2019	Class Committee Meeting-II for II, III and IV year students
27.		22.02.2019	Guest lecture on “Combinational Logic Circuits, Implementation Strategies
28.		26.02.2019	Staff Meeting: Regarding NBA Work
29.		27.02.2019	Allotment of NBA File
30.		28.02.2019	Industrial Visit to BSNL for III year students
31.	March	01.03.2019	Staff Meeting: Regarding Coaching schedule for II, III and IV year students
32.		02.03.2019	Coaching

33.		03.03.2019	CAT-3 Exam (sub1)
34.		04.03.2019	Coaching
35.		05.03.2019	CAT-3 Exam (sub2)
36.		08.03.2019	One day seminar on “Women Self-Empowerment”
37.		09.03.2019	Coaching
38.		11.03.2019	CAT-3 Exam (sub3)
39.		12.03.2019	Coaching
40.		13.03.2019	CAT-3 Exam (sub4)
41.		14.03.2019	Coaching
42.		15.03.2019	CAT-3 Exam (sub5)
43.		18.03.2019	Coaching
44.		19.03.2019	CAT-3 Exam (sub5)
45.		22.03.2019 to 23.08.2019	International Conference
46.	April	01.04.2019	Special coaching for tough sub1
47.		02.04.2019	Special coaching for tough sub2
48.		03.04.2019	Special coaching for tough sub3
49.		04.04.2019	Special coaching for tough sub4
50.		08.04.2018	Last working as per Anna University

Academic Year: 2017-2018 (ODD Semester)

S. No	Month	Date	Event
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1.	June	12.06.2017	New staff induction program
2.		14.06.2017 to 15.06.2017	Staff Meeting: Iguru software app installation and demo session
3.		16.06.2017	Staff meeting: Regarding subject allocation for odd semester (2017-2018)
4.		17.06.2017	Staff meeting: Regarding lesson plan preparation of individual subject
5.		19.06.2017	Commencement of Theory Class for II, III and IV year students
6.		22.06.2017 to 29.06.2017	Placement Training Program for IV year students
7.		24.06.2017	Lesson plan submission
8.		25.06.2017	Staff meeting: Regarding class notes materials preparation and submission date
9.		26.06.2017	Unit-I Class notes materials submission
10.		30.06.2017 to 01.07.2017	Two Days National Level Workshop on “Communication And Image Processing Using MATLAB”
11.	July	01.07.2017	Department newsletter launch “Campus Chronicles”
12.		03.07.2017	Checking compliance of lesson plan & Class notes for III and IV year going faculty
13.		07.07.2017	III year Class-in-charge meeting: Regarding completion of Unit-I & CAT-I Exam
14.		08.07.2017	IV year Class-in-charge meeting: Regarding completion of Unit-I & CAT-I Exam
15.		11.07.2017	Guest lecture on “IC MOSFET Amplifiers, Biasing of Discrete BJT and MOSFET”
16.		12.07.2017	Class Committee Meeting-I for III and IV year students

17.		13.07.2017	III and IV year: Assignment-I Submission for all subjects
18.		15.07.2017	Industrial visit for II year students
19.		17.07.2017 to 22.07.2017	CAT-I Exam (1 ½ units) for II, III and IV year students
20.		24.07.2017	Submission of CAT-I Marks
21.		25.07.2017	Commencement of stay back class for weak students
22.		26.07.2017	Dispatch of mark sheets to parents
23.	August	01.08.2017	Staff Meeting: Regarding result analysis of CAT-I for II, III and IV year students
24.		04.08.2017	Industrial Visit for III year students
25.		05.08.2017	Cultural & Sports
26.		08.08.2017	Snapthon's 17
27.		06.08.2017	III and IV year Class-in-charge meeting: Regarding completion of CAT-II Exam portions
28.		10.08.2017	II year: Assignment-I Submission for all subjects
29.		16.08.2017	Guest lecture on "Transmission Lines, Wave Guides and Cavity Resonators"
30.		17.08.2017	III and IV year: Assignment-II Submission for all subjects
31.		18.08.2017 to 24.08.2017	CAT-II (1 ½ units) for II, III and IV year students
32.		26.08.2017	Submission of CAT-II Marks
33.		28.08.2017	Commencement of stay back class for weak students
34.		29.08.2017	Dispatch of mark sheets to parents

35.		30.08.2017 to 31.08.2017	Two days National Workshop on “Robotics Automation with ESP 8266 - 2017”
36.	September	01.09.2017	Staff Meeting: Regarding result analysis of CAT-II for III and IV year students
37.		02.09.2017	Staff Meeting: Regarding result analysis of CAT-II for II year students
38.		05.09.2017	Teachers day celebration
39.		06.09.2017	Guest Lecture on “Inter Dept. Presentation -Workshop- Mobile application development using android” for III year students
40.		07.09.2017	Class Committee Meeting-II for III and IV year students
41.		08.09.2017	Class Committee Meeting-I for II year students
42.		12.09.2017	III and IV year Class-in-charge meeting: Regarding completion of CAT-III Exam portions
43.		13.09.2017	II year Class-in-charge meeting: Regarding completion of CAT-III Exam portions
44.		14.09.2017	II year: Assignment-II Submission for all subjects
45.		15.09.2017	III and IV year: Assignment-III Submission for all subjects
46.		18.09.2017 to 23.09.2017	CAT-III (1 ½ units) for II, III and IV year students
47.	September	25.09.2017	Submission of CAT-III Marks
48.		26.09.2017	Commencement of stay back class for weak students
49.		27.09.2017	Dispatch of mark sheets to parents
50.		28.09.2017	Staff Meeting: Regarding result analysis of CAT-III for II, III and IV year students

51.	October	03.10.2017	Coaching class for II, III and IV year students
52.		04.10.2017	MODEL Exam for II, III and IV year students
53.		05.10.2017	Coaching class for II, III and IV year students
54.		06.10.2017	MODEL Exam for II, III and IV year students
55.		07.10.2017	Coaching class for II, III and IV year students
56.		09.10.2017	MODEL Exam for II, III and IV year students
57.		10.10.2017	Coaching class for II, III and IV year students
58.		11.10.2017	MODEL Exam for II, III and IV year students
59.		12.10.2017	Coaching class for II, III and IV year students
60.		13.10.2017	MODEL Exam for II, III and IV year students
61.		14.10.2017	Submission of MODEL Marks
62.		16.10.2017	Commencement of stay back class for weak students
63.		17.10.2017	Dispatch of mark sheets to parents
64.		18.10.2017	Last working as per Anna University

Academic Year: 2017-2018 (EVEN Semester)

S. No	Month	Date	Event
1.	November	18.11.2017	Newton Club Inauguration
2.		27.11.2017 to 07.12.2017	Placement Training for IV year students
3.	December	01.12.2017	Staff meeting: Regarding subject allocation for even semester (2017-2018)

4.		04.12.2017	Staff meeting: Regarding lesson plan preparation of individual subject
5.		08.12.2017	Lesson plan submission
6.		08.12.2017 to 09.12.2017	Two Days National Level Workshop on “Advanced Embedded System Design using PIC Microcontroller” for Faculty Development
7.		11.12.2017	Staff meeting: Regarding class notes materials preparation and submission date
8.		14.12.2017	Class notes materials submission
9.		16.12.2017	Checking compliance of lesson plan & Class notes for II, III and IV year going faculty
10.		18.12.2017	Commencement of Theory Class for II, III and IV year students
11.		22.12.2018	Personality Development Program
12.	January	02.01.2018	II, III year Class-in-charge meeting: Regarding completion of Unit-I & CAT-I Exam
13.		10.01.2018	Class Committee Meeting-I for III and IV year students
14.		11.01.2018	III and IV year: Assignment-I Submission for all subjects
15.		12.01.2018	IV year Class-in-charge meeting: Regarding completion of Unit-I & CAT-I Exam
16.		16.01.2018 to 23.01.2018	CAT-I Exam (1 ½ Units) for II, III and IV year students
17.		22.01.2018	Guest lecture on “Static Electric Field, Magnetic Forces and Materials”
18.		24.02.2018	Staff Meeting: Regarding arrangements for Symposium
19.		25.01.2018	Symposium
20.		27.01.2018	Submission of CAT-I Marks

21.		28.01.2018	Commencement of stay back class for weak students
22.		29.01.2018	Dispatch of mark sheets to parents
23.	February	01.02.2018	II year: Assignment-I Submission for all subjects
24.	February	02.02.2018	III and IV year: Assignment-II Submission for all subjects
25.		08.02.2018	Workshop on Embedded Systems(Arduino and Raspberry Pi)
26.		13.02.2018	III and IV year Class-in-charge meeting: Regarding completion of CAT-II Exam portions
27.		14.02.2018	II year Class-in-charge meeting: Regarding completion of CAT-II Exam portions
28.		19.02.2018 to 24.02.2018	CAT-II (1 ½ units) for II, III and IV year students
29.		22.02.2018	Guest lecture on “Combinational Logic Circuits, Implementation Strategies
30.		26.02.2018	Submission of CAT-II Marks
31.		27.02.2018	Commencement of stay back class for weak students
32.		28.02.2018	Dispatch of mark sheets to parents
33.	March	01.03.2018	Class Committee Meeting-II for III and IV year students
34.		02.03.2018	Industrial Visit to ISRO for III year students
35.		03.03.2018	Class Committee Meeting-I for II year students
36.		04.03.2018	Staff Meeting: Regarding Coaching schedule for II, III and IV year students
37.		05.03.2018	Coaching 1
38.		06.03.2018	Coaching 1
39.		07.03.2018	Industrial Visit to Robotics Automation

40.		08.03.2018	Coaching 1
41.		09.03.2018	Coaching 1+M1 (sub1) Exam
42.		10.03.2018	Coaching 1
43.		12.03.2018	Coaching 1
44.		13.03.2018	Coaching 1
45.		14.03.2018	Coaching 1+M1 (sub2) Exam
46.		15.03.2018	Coaching 1
47.		16.03.2018	Coaching 1
48.		17.03.2018	Coaching 1
49.		19.03.2018	Coaching 1+M1 (sub3) Exam
50.		20.03.2018	Coaching 1
51.	March	21.03.2018	Coaching 1
52.		22.03.2018	Coaching 1
53.		23.03.2018	Coaching 1+M1 (sub4) Exam
54.		24.03.2018	Coaching 1
55.		26.03.2018	Coaching 1
56.		27.03.2018	Coaching 1
57.		28.03.2018	Coaching 1+M1 (sub5) Exam
58.		29.03.2018	Coaching 1
59.		02.04.2018	Coaching 1
60.		03.04.2018	Coaching 1
61.		04.04.2018	Coaching 1+M1 (sub6) Exam
62.		05.04.2018	Coaching 2

63.	06.04.2018	Coaching 2+M1 (sub1) Exam
64.	07.04.2018 to 08.04.2018	International Conference
65.	09.04.2018	Coaching 2
66.	10.04.2018	Coaching 2+M1 (sub2) Exam
67.	11.04.2018	Coaching 2
68.	12.04.2018	Coaching 2+M1 (sub3) Exam
69.	13.04.2018	Coaching 2
70.	16.04.2018	Coaching 2+M1 (sub4) Exam
71.	17.04.2018	Coaching 2
72.	18.04.2018	Coaching 2+M1 (sub4) Exam
73.	19.04.2018	Coaching 2
74.	20.04.2018	Coaching 2+M1 (sub4) Exam
75.	23.04.2018	Last working as per Anna University

Academic Year: 2016-2017 (ODD Semester)

S. No	Month	Date	Event
1.	June	20.06.2016	Staff meeting: Regarding subject allocation for odd semester (2016-2017)
2.		22.06.2016	Staff meeting: Regarding lesson plan preparation of individual subject
3.		24.06.2016	Lesson plan submission

4.		27.06.2016	Staff meeting: Regarding class notes materials preparation and submission date
5.		30.06.2016	Unit-I Class notes materials submission
6.	July	01.07.2016	Checking compliance of lesson plan & Class notes for III and IV year going faculty
7.		04.07.2016	Commencement of Theory Class for II, III and IV year students
8.		07.07.2016	Aspire Test-IV year students
9.		08.07.2016	Aspire Test-IV year students
10.		11.07.2016	III year Class-in-charge meeting: Regarding completion of Unit-I & CAT-I Exam
11.		15.07.2016 to 16.07.2016	Faculty Development Program
12.		18.07.2016	IV year Class-in-charge meeting: Regarding completion of Unit-I & CAT-I Exam
13.		20.07.2016	Commencement of Theory Class for II year students
14.		21.07.2016	Class Committee Meeting-I for III and IV year students
15.		22.07.2016	III and IV year: Assignment-I Submission for all subjects
16.		25.07.2016 to 30.07.2016	CAT-I Exam (1 ½ units) for II, III and IV year students
17.	August	01.08.2016	Submission of CAT-I Marks
18.		02.08.2016	Commencement of stay back class for weak students
19.		04.08.2016	Dispatch of mark sheets to parents

20.		06.08.2016	Guest Lecture on “Recent trends in Wireless Communication” for IV year students
21.		10.08.2016	Industrial Visit for III year students
22.		17.08.2016	III and IV year Class-in-charge meeting: Regarding completion of CAT-II Exam portions
23.		18.08.2016	II year: Assignment-I Submission for all subjects
24.		19.08.2016	III and IV year: Assignment-II Submission for all subjects
25.		22.08.2016 to 27.08.2016	CAT-II (1 ½ units) for II, III and IV year students
26.	August	29.08.2016	Submission of CAT-II Marks
27.		30.08.2016	Commencement of stay back class for weak students
28.		31.08.2016	Dispatch of mark sheets to parents
29.	September	02.09.2016	Staff Meeting: Regarding result analysis of CAT-II for III and IV year students
30.		04.09.2016	Staff Meeting: Regarding result analysis of CAT-II for II year students
31.		05.09.2016	Teachers day celebration
32.		06.09.2016	Guest Lecture on “Multi-Media Application” for III year students
33.		07.09.2016	Staff Meeting: Regarding Symposium Arrangements
34.		08.09.2016	Symposium
35.		12.09.2016	Class Committee Meeting-II for III and IV year students Class Committee Meeting-I for II year students
36.		13.09.2016	III and IV year Class-in-charge meeting: Regarding completion of CAT-III Exam portions

37.		14.09.2016	II year Class-in-charge meeting: Regarding completion of CAT-III Exam portions
38.		15.09.2016	Seminar on “Signals and Systems”
39.		19.09.2016 to 22.09.2016	Workshop for faculty members
40.		23.09.2016	II year: Assignment-II Submission for all subjects
41.		24.09.2016	III and IV year: Assignment-III Submission for all subjects
42.		26.09.2016 to 30.09.2016	CAT-III (1 ½ units) for II, III and IV year students
43.	October	03.10.2016	Submission of CAT-III Marks
44.		04.10.2016	Commencement of stay back class for weak students
45.		05.10.2016	Dispatch of mark sheets to parents
46.		06.10.2016	Staff Meeting: Regarding result analysis of CAT-III for II, III and IV year students
47.		17.10.2016 to 22.10.2016	MODEL Exam for II, III and IV year students
48.		24.10.2016	Submission of MODEL Marks
49.		25.10.2016	Commencement of stay back class for weak students
50.		26.10.2016	Dispatch of mark sheets to parents
51.		27.10.2016	Last working as per Anna University

Academic Year: 2016-2017 (EVEN Semester)

S. No	Month	Date	Event
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1.	December	05.12.2016	Staff meeting: Regarding subject allocation for even semester (2016-2017)
2.		07.12.2016	Staff meeting: Regarding lesson plan preparation of individual subject
3.		12.12.2016	Lesson plan submission
4.		13.12.2016	Staff meeting: Regarding class notes materials preparation and submission date
5.		16.12.2016	Class notes materials submission
6.		17.12.2016	Checking compliance of lesson plan & Class notes for II, III and IV year going faculty
7.		20.12.2016 to 30.12.2016	Placement Training for IV year students
8.	January	02.01.2017	Commencement of Theory Class for II, III and IV year students
9.		10.01.2017	II, III year Class-in-charge meeting: Regarding completion of Unit-I & CAT-I Exam
10.		11.01.2017	Sports Day
11.		12.01.2017	Cultural Day
12.		18.01.2017	Class Committee Meeting-I for III and IV year students
13.		19.01.2017	III and IV year: Assignment-I Submission for all subjects
14.		20.01.2017	IV year Class-in-charge meeting: Regarding completion of Unit-I & CAT-I Exam
15.		21.01.2017	Faculty Development Program on “Digital Image Processing using MATLAB tool”
16.	February	30.01.2017 to 04.02.2017	CAT-I Exam (1 ½ Units) for II, III and IV year students
17.		06.02.2017	Submission of CAT-I Marks

18.		07.02.2017	Commencement of stay back class for weak students
19.		08.02.2017	Dispatch of mark sheets to parents
20.		10.02.2017	Guest Lecture on “5G technology”
21.		13.02.2017	III and IV year Class-in-charge meeting: Regarding completion of CAT-II Exam portions
22.		14.02.2017	II year: Assignment-I Submission for all subjects
23.		15.02.2017	III and IV year: Assignment-II Submission for all subjects
24.		17.02.2017	Industrial Visit for III year students
25.		21.02.2017 to 27.02.2017	CAT-II (1 ½ units) for II, III and IV year students
26.	March	01.03.2017	Submission of CAT-II Marks
27.	March	02.03.2017	Commencement of stay back class for weak students
28.		03.03.2017	Dispatch of mark sheets to parents
29.		04.03.2017	Staff Meeting: Regarding result analysis of CAT-II for III and IV year students
30.		07.03.2017	Staff Meeting: Regarding result analysis of CAT-II for II year students
31.		08.03.2017	Guest Lecture on “Embedded Systems and its applications” for III year students
32.		09.03.2017	Staff Meeting: Regarding Conference Work
33.		11.03.2017	Conference
34.		13.03.2017	Class Committee Meeting-II for III and IV year students Class Committee Meeting-I for II year students
35.		14.03.2017	III and IV year Class-in-charge meeting: Regarding completion of CAT-III Exam portions

36.		15.03.2017	II year Class-in-charge meeting: Regarding completion of CAT-III Exam portions
37.		16.03.2017	Seminar on “Microprocessor and Microcontroller”
38.		17.03.2017	II year: Assignment-II Submission for all subjects
39.		18.03.2017	III and IV year: Assignment-III Submission for all subjects
40.		20.03.2017 to 28.03.2017	CAT-III (1 ½ units) for II, III and IV year students
41.		30.03.2017	Submission of CAT-III Marks
42.		31.03.2017	Commencement of stay back class for weak students
43.	April	01.04.2017	Dispatch of mark sheets to parents
44.		02.04.2017	Staff Meeting: Regarding result analysis of CAT-III for II, III and IV year students
45.		05.04.2017	Coaching Class
46.		06.04.2017	MODEL Exam for II, III and IV year students
47.		07.04.2017	Coaching Class
48.		08.04.2017	MODEL Exam for II, III and IV year students
49.		10.04.2017	Coaching Class
50.		11.04.2017	MODEL Exam for II, III and IV year students
51.		12.04.2017	Coaching Class
52.		13.04.2017	MODEL Exam for II, III and IV year students
53.		15.04.2017	Coaching Class
54.		17.04.2017	MODEL Exam for II, III and IV year students
55.		18.04.2017	Last working as per Anna University

Allotment of Courses and Preparation of Time Table

- In every semester, subject option form is circulated among the faculty members. The Head of the Department would conduct a meeting and subjects will be allotted to the faculty members based on their preferences.
- Based on the subject allocation, Time Table Coordinator will prepare the Time Table and individual time table.
- For the interdisciplinary subjects, Inter Office Memo (IOM) will be sent to other departments with a requisition to handle the interdisciplinary courses.

Assessment Tools

- In each semester, daily first hour tests, three continuous assessment tests and a model exam are scheduled. Daily test is conducted for 45 minutes. The Table 2.1 shows the details of various direct assessment tools and test portions

Table 2.1 Assessment Tools and Portions

Assessment Tools	Portions
Continuous Assessment Test 1	Units 1 and 2
Continuous Assessment Test 2	Units 3 and 4
Continuous Assessment Test 3	Unit 5
Model	Units 1, 2, 3, 4 and 5

During the academic year, 2019-20, Continuous Assessment Test 3 is conducted only for 2 mark questions. 10 two marks questions from each unit were given for a 100 mark Test.

There are eight periods of fifty minutes in each working day. Tutorial hour, Training and Placement hour, Seminar hour are also included in the time table to enhance the skills of students and self-learning. In addition, Value Added Courses are also conducted to enhance students knowledge.

Step 2: Use of Various Collaborative Learning Methods and Pedagogical Initiatives

Pedagogical initiatives such as real world examples, collaborative learning is followed in the classes to improve the students' interest and knowledge in the specific course.

The following Pedagogical factors are used:

- Assignments
- Group Discussions

- Quiz
- Seminars
- Debate

The following Collaborative learning methodologies are used:

Students are given more technical knowledge by collaborative learning methods. At the completion of the course, students are specifically made placement ready by providing soft skill training, mock interview, group discussion, aptitude etc

- a. Student presentations: Students are encouraged to participate in seminars, workshops and symposiums conducted by other institutions where they learn advanced skills and collaborate with their peers from other institutions.
- b. Mini project: During the period of study in the 3rd to 8th semester, the students are motivated to do their mini project (beyond the syllabus) and Main Project based on recent findings in advanced research areas where they work as a group and learn team dynamics and acquire knowledge and experience too. They collaborate with faculty and present their project ideas in conferences, Symposiums and Project Contests conducted by various government and private institutions across the country.

Pedagogical Initiatives

The following teaching – learning methods are being used by the faculty for better content delivery.

- Simulation
- Animation
- You-tube videos and video lectures
- Online tests
- e-learning resources like NPTEL

The faculty members adopt various instructional methods to create a conducive learning environment for the students. These methodologies include chalk and talk, power-point presentations, hands-on training activities, etc. wherein various concepts are explained with illustrations if necessary, design and problematic aspects that provide real world experience.

i) Chalk and Talk

The chalk and talk is a conventional method of teaching, focuses on the delivery of the content using blackboard.

ii) Tutorials

The tutorials are helpful to enhance the intellectual skills of the students through ways like:

1. Solving more number of problems
2. Working out previous university question papers/GATE questions

iii) Multimedia Based Delivery

The multimedia-based delivery is helpful in illustration of ideas and concepts through

- Presentations
- Videos
- Simulations
- Animations

iv) Experimental and laboratory work

- Laboratory work demonstrates application of theoretical knowledge and can be verified by a variety of laboratory based investigation and experiments through interpretation of results.
- Experiments are normally done individually.

v) Activity based learning

The department supports innovative ways of outside-the-box thinking about teaching and learning with technology and encourages activity based learning for improvement of teaching-learning process.

Step 3: Methodologies to Support Weak Students

Academic Support

The students who score less than fifty marks are given more attention through stay-back classes in the evenings and retest is conducted for the slow learners. The stay back classes are also conducted for the students who score less mark in the daily test conducted every morning. The solved study materials and assignments are also provided to the students through the iguru software application students' portal. In addition, important topics in each subject based on previous 5 years Anna University question papers are also discussed in the evening stay back classes. Special attention is given to the weak students during tutorial classes.

iguru.perit.com/formsandreports/staybackauditing

LIST OF STAY BACK COMMUNICATIONS		STAY BACK COMMUNICATE		
SNo	Class	Date Of Communication	Comments	Reviewed by HOD
1	III ECE B	20-Sep-2019	test topic revised	No
2	III ECE A	04-Sep-2019	test topic revised	Yes
3	III ECE B	30-Aug-2019	test topic revised	Yes
4	III ECE A	28-Aug-2019	test topic revised and conducted test	Yes
5	III ECE B	06-Aug-2019	Test topic revised and conducted test	Yes
6	III ECE A	06-Aug-2019	test portion revised	Yes
7	III ECE B	18-Jul-2019	test portions revised and conducted test	Yes
8	III ECE A	16-Jul-2019	Test topics explained and conducted test	Yes
9	III ECE B	16-Jul-2019	Test topics explained and conducted test	Yes
10	III ECE A	11-Jul-2019	Test portions concepts are explained and conducted test for students	Yes
11	III ECE B	11-Jul-2019	Test portions Concepts are explained and conducted test for students.	Yes

Stayback Audit

← → ↺ 🏠 <https://iguru.perit.com/formsandreports/stayback> 70% *** 📄 ☆

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STAY BACK TUTORING REVIEW LIST

SNo	Staff	Class	Date Of Communication	Staff Comments	Reviewed by HOD	REVIEW
1	Dhivya Bharathi	III ECE B	03-Jan-2020	taught evolution of management	Yes	Reviewed & Closed
2	Shanya V	II ECE A	03-Jan-2020	taught basics of communication system and need for modulation	Yes	Reviewed & Closed
3	Maheswari R	III ECE A	03-Jan-2020	TAUGHT PROTOCOL ARCHITECTURE AND SYSTEM ARCHITECTURE	Yes	Reviewed & Closed
4	Maheswari R	III ECE A	20-Dec-2019	taught design goals of wlan. made them to write test	Yes	Reviewed & Closed
5	Kalpna D	III ECE B	19-Dec-2019	pcb workshop	Yes	Reviewed & Closed
6	Abisha J Benelyn	III ECE A	18-Dec-2019	No stayback	Yes	Reviewed & Closed
7	Addlin Subha RV	II ECE A	18-Dec-2019	Gave a revision on Current mirror and Widlar current source. Made the student to write the test.	Yes	Reviewed & Closed
8	Abisha J Benelyn	III ECE B	18-Dec-2019	No stayback	Yes	Reviewed & Closed

Stayback communications

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LIST OF STAY BACK COMMUNICATIONS

SNo	Class	Date Of Communication	Comments	Reviewed by HOD
1	III ECE A	18-Dec-2019	No stayback	Yes
2	III ECE B	18-Dec-2019	No stayback	Yes
3	IV ECE A	04-Sep-2019	wrote the test	Yes
4	IV ECE B	30-Aug-2019	Students wrote assignments	Yes
5	II ECE A	06-Aug-2019	Taught topics in unit 2	Yes
6	IV ECE A	17-Jul-2019	Students wrote the test questions	Yes
7	IV ECE A	10-Jul-2019	Students wrote the test questions	Yes
8	III ECE A	02-Jul-2019	solved the test problems	Yes
9	IV ECE A	02-Jul-2019	learned and wrote the test questions	Yes
10	III ECE B	02-Jul-2019	taught the test questions	Yes
11	II ECE B	02-Jul-2019	solved the test problems	Yes
12	II ECE A	02-Jul-2019	learned the test questions	Yes
13	IV ECE B	01-Jul-2019	Revised the test questions	Yes
14	IV ECE A	01-Jul-2019	Revised 1st unit	Yes
15	IV ECE B	05-Feb-2019	taught the test question	No
16	IV ECE A	05-Feb-2019	studied the test question	No
17	IV ECE A	28-Jan-2019	all the students passed for test	Yes
18	IV ECE B	28-Jan-2019	Taught the test question	Yes
19	IV ECE B	21-Jan-2019	taught the test question for students	Yes
20	IV ECE A	21-Jan-2019	taught the test question for students	Yes

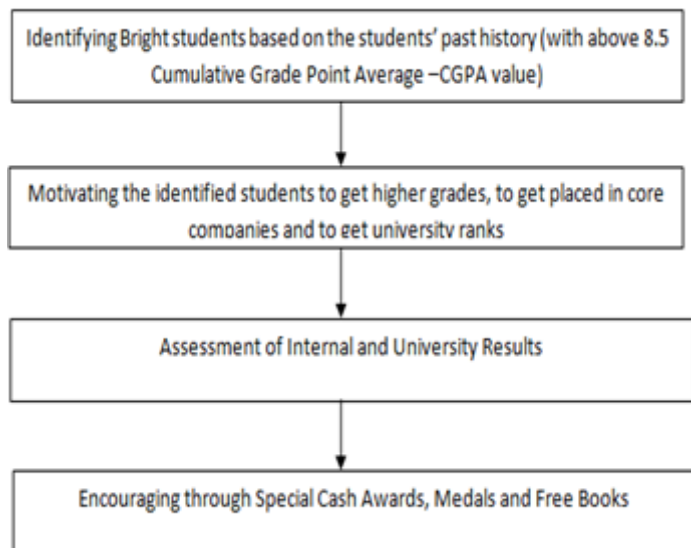
Counseling Methodology

Counseling sessions are conducted to motivate weak students with a notion that the session would give a personal improvement in them.

- The Head of Department nominates the Counseling Coordinator for each semester. The Counseling Coordinator allocates the students to the counselors who will have a direct contact with the students, analyze and devise various ways to upgrade the students.
- Each faculty member is allotted twenty counseling students to monitor the students' academic performance, discipline, attendance, co-curricular and extracurricular activities.
- Every Counselor maintains a counseling record for each student that provides the entire performance details of the student.
- Mentoring or Counseling is used to support or encourage students to learn by maximizing their potential and develop their skill which enables them to improve their performance in both academic and extracurricular activities.

Step 4: Methodologies to Encourage Bright Students

We identify the bright students in the following way.



The students with good academic performance and outstanding co-curricular activities are motivated in several ways. In the college day celebration, special cash awards are also given to the class toppers. In the Graduation day celebration, special cash awards and medals are given to the college toppers and Rank Holders. The students are encouraged to participate in other institutions' symposiums, seminars, workshops and conferences. The students are encouraged to conduct various events like TechTalks, Paper Presentations on the recent technical developments and technologies to exhibit their exposures and as eye opening sessions for the audience. The top students are given opportunities to take internships and work on real time projects at reputed organizations like ISRO and NITTTR. Apart from this, Gifted and Talented students are identified and are encouraged and nurtured with ideas and suggestions to develop innovative projects of good quality and socially beneficial. The students who excel in sports are also motivated to participate in several events and are appreciated through medals, trophies and cash awards.

S.No	Class Name	Student Name
1	II ECE A	180430 - 411518106001 - S ABINAYA SANKARI 180526 - 411518106002 - D AJAY KUMAR 180302 - 411518106004 - ANGELO JUDE DUMENIL 180516 - 411518106007 - M ASHWINI 180146 - 411518106008 - I ASLAM BADUS HA
2	II ECE B	191137 - E ARUNKUMAR 191091 - S LOGESH 191033 - A ZAINUL KHAN 180482 - 411518106003 - B AKASH PRIYADHARSAN 180435 - 411518106005 - ANUGU PAVAN
3	III ECE A	170274 - 411517106001 - C S Aakash 170544 - 411517106002 - S Aakash Raj 170346 - 411517106003 - A Abdulla 170536 - 411517106004 - V Agnisha 170345 - 411517106005 - A Aileen Mercybell
4	III ECE B	170676 - 411517106060 - S Logesh 170669 - 411517106061 - G Logeshwari 170708 - 411517106062 - M Lokeshkumar 170294 - 411517106063 - G Lokesh Kumar 170286 - 411517106064 - P Lokeshwaran
5	IV ECE A	160344 - 411516106003 - A Annie Muthaibanam 160289 - 411516106005 - M D Anshad Ahmed 160276 - 411516106006 - S Arul Kumar 160409 - 411516106010 - A Aaraf 160373 - 411516106012 - C Bhuvanaa
6	IV ECE B	160233 - 411516106001 - B. Akash 160121 - 411516106008 - K Arunachalam 160230 - 411516106009 - A Aail Ali 160174 - 411516106011 - K Balaji 160166 - 411516106014 - V Deen Kumaran

Step 5: Continuous Assessment in the Laboratory

1. The students are instructed to maintain an observation and record of all the exercises done in the laboratory.
2. The observations and records are evaluated on weekly basis.
3. The faculty maintains a record of scheduled experiments, completion dates of observation and records which helps in continuous monitoring and assessment of the students. This also aids in completing the laboratory course within the stipulated time period.
4. To evaluate course outcomes, model exams are conducted at the end of laboratory course.
5. The students understand the exercise done, including its purpose and results and discuss experimental protocols in a clear and precise manner.

Step 6: Students Feedback of Teaching Learning Process and Actions Taken

Students Feedback Analysis is done as below.

A. Feedback Analysis Process

Feedback collection is done in different ways. The first way is through class committee meeting and the second way is through iguru software application as online feedback system. Other methods such as Course end survey, Alumni Survey, Employer survey and Student Exit Survey are also adopted.

1. Class Committee Meeting

Class committee meetings are conducted for each class twice in each semester. A faculty member (preferably not the subject faculty of that class) is appointed as chairperson and six student representatives from each class are appointed. The committee members are asked to give oral feedback about each subject faculty and it is recorded as minutes of the CC meeting.

Action Taken

The necessary corrective action is taken by the Head of the Department based on the feedback given. The corrective action such as an advice through Head of the Department will be given for improving the teaching ability of the faculty members. Apart from this class audits are performed periodically by the Head of the Department to guide the faculty members those who have a lack in their performance. The audit remarks are updated in the iguru software for reference.

II. Minutes (Points discussed and decisions taken)		
S.No.	Agenda items	Discussed (Yes/No)
A) General Review		
1	Pace of coverage of syllabus and issues regarding coping up of students to the syllabus coverage discussed	✓
2	Nature of Continuous Assessment Test (CAT) and Assessment Procedure discussed	Yes
3	Assignments and Tutorials given to the students reviewed	-
B) Performance Review		
4	Whether CAT marks for all subjects pertaining to the class made available to the meeting? Performance of students in CAT is reviewed.	Yes.
5	Whether subjects in which students performance is poor identified and any remedial classes / additional tutorials suggested for any subjects	Yes
C) Regularity Review		
6	Whether attendance details for all subjects pertaining to the class made available to the meeting? Class attendance is reviewed and irregular students identified.	Yes.
D) Students' Feed Back		
7	Specific Students' Feed Back, if any, is recorded	Yes.
8	Other academic matter discussed:	Yes.

(Attach a separate sheet to present more information if required)

Comments / Remarks
LIC - Y2 unit.

1 unit completed in all ^{other} subjects.

Informed students about 2 CAT Exams per day

No assignments. Need more problems to be solved in PRP.

Low results in PRP + CT compared to other subjects.

1. PRP → Need more teaching
2. CT → Need more Notes.

Three students were long absent.
1. Prudvish
2. Karin
3. Alokesh Kumar.

1. EC II Notes. needed.
2. CT Notes needed.
3. Less hours for LIC. Need more hours.
4. PRP - Need more teaching
5. Extended hours is informed.

II. Minutes (Points discussed and decisions taken)		
S.No.	Agenda items	Discussed (Yes/No)
Comments / Remarks		

A) General Review		
1	Pace of coverage of syllabus and issues regarding coping up of students to the syllabus coverage discussed	Yes Satisfied with the Syllabus coverage
2	Nature of Continuous Assessment Test (CAT) and Assessment Procedure discussed	Yes CAT Assessment procedure is clear and good.
3	Assignments and Tutorials given to the students reviewed	Yes Requires more tutorial classes for problematic subjects.
B) Performance Review		
4	Whether CAT marks for all subjects pertaining to the class made available to the meeting? Performance of students in CAT is reviewed.	Yes —
5	Whether subjects in which students performance is poor identified and any remedial classes / additional tutorials suggested for any subjects	Yes Yes identified and special classes are going to be conducted.
C) Regularity Review		
6	Whether attendance details for all subjects pertaining to the class made available to the meeting? Class attendance is reviewed and irregular students identified.	Yes —
D) Students' Feed Back		
7	Specific Students' Feed Back, if any, is recorded	Yes Student's Requested to conduct workshop and other academic Activities

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Minutes of the Class Committee Meeting

Department CCM Number (tick) ☒ First ☐ Second ☐ Third

Semester - VI

Academic Year - 2018-2019

CCM Venue - Digital Lab

CCM Date 25.01.2019

Members Present

No.	Name and Designation	Position in the Class Committee	Signature
1	M. Sompalak	Chairperson	[Signature]
2	Shanmugavel (POM)	Faculty member	[Signature]
3	Uma Maheshwari (CN)	Faculty member	[Signature]
4	Ranganayaki-J (CA)	Faculty member	[Signature]
5	Maresh (AWP)	Faculty member	[Signature]
6	Arun Kumar (ROB)	Faculty member	[Signature]
7	Sebastian Suresh (VLSI)	Faculty member	[Signature]
8	J. Keshav Kumar	Student Member (CR-M)	[Signature]
9	J. Ragini	Student Member (CR-F)	[Signature]
10	R. Pavithra	Student Member	[Signature]
11	M. Devanand	Student Member	[Signature]
12	A-T-NIVAS	Student Member	[Signature]
13	Maria Thema L.T	Student Member	[Signature]
14	Uma Maheshwari	Convener (Faculty Advisor)	[Signature]

The Minutes of the Class Committee Meeting shall be filed in the 'Class Committee Meeting file' of the Department



II. Minutes (Points discussed and decisions taken)			Comments / Remarks
S.No.	Agenda items	Discussed (Yes/No)	
A) General Review			
1	Pace of coverage of syllabus and issues regarding coping up of students to the syllabus coverage discussed	YES	All subjects completed 1.5 units.
2	Nature of Continuous Assessment Test (CAT) and Assessment Procedure discussed	YES	50 marks test, 2 hours coaching & 2 hours test.
3	Assignments and Tutorials given to the students reviewed	Yes	Daily test failure, have to stay back. CAT failures submit assignments.
B) Performance Review			
4	Whether CAT marks for all subjects pertaining to the class made available to the meeting? Performance of students in CAT is reviewed.	YES.	Failures are asked to concentrate and asked to perform in CAT II
5	Whether subjects in which students performance is poor identified and any remedial classes / additional tutorials suggested for any subjects	NO	
C) Regularity Review			
6	Whether attendance details for all subjects pertaining to the class made available to the meeting? Class attendance is reviewed and irregular students identified.	YES	Late comers have to pay fine and made to attend evening stayback.
D) Students' Feed Back			
7	Specific Students' Feed Back, if any, is recorded	YES	1. Univ Answerkey - Book referred. 2. unit wise important questions

8 Other academic matter discussed:

Asked to attend Conferences.

- after each unit completion.
3. Coaching class only for part B.
 4. Complete 5 units
 5. Question repeated too he given.

attach a separate sheet to present more information if required)

II. Minutes (Points discussed and decisions taken)			Comments / Remarks
S.No.	Agenda items	Discussed (Yes/No)	
A) General Review			
1	Pace of coverage of syllabus and issues regarding coping up of students to the syllabus coverage discussed	YES	Satisfied with the syllabus coverage
2	Nature of Continuous Assessment Test (CAT) and Assessment Procedure discussed	YES	CAT Assessment procedure is good
3	Assignments and Tutorials given to the students reviewed	YES	Yes. corrections are given to the students
B) Performance Review			
4	Whether CAT marks for all subjects pertaining to the class made available to the meeting? Performance of students in CAT is reviewed.	Yes	Yes
5	Whether subjects in which students performance is poor identified and any remedial classes / additional tutorials suggested for any subjects	Yes	additional tutorials are requested by students for the problematic subjects.
C) Regularity Review			
6	Whether attendance details for all subjects pertaining to the class made available to the meeting? Class	Yes	irregular students are advised to

attendance is reviewed and irregular students identified.

D) Students' Feed Back

7 Specific Students' Feed Back, if any, is recorded

YES

attend the classes regularly.

PERI INSTITUTE OF TECHNOLOGY, CHENNAI - 600048

Minutes of the Class Committee Meeting

Department CCM Number (tick) First

Second ☒

Third

Semester III 'A' sectionAcademic Year 2018-19 (odd)CCM Venue B33CCM Date - 21/9/18

I. Members Present

S.No.	Name and Designation	Position in the Class Committee	Signature
1	P. Sakthi Shree Suresh	Chairperson	P. Sakthi
2	Abisha J. Beretyn	Faculty member	Abisha
3	Kannadagan. K	Faculty member	Kannadagan
4	Keerthi Kagan. M	Faculty member	Keerthi
5	Kalai Selvi. P	Faculty member	
6	Elumalai I	Faculty member	Elumalai
7	Venkut. R	Faculty member	Venkut
8	Yakegh. C	Student Member (CR-M)	
9	Hazipat. B	Student Member (CR-F)	
10	Kaki Veni. K	Student Member	
11	Kaishra Raj. V	Student Member	Kaishra
12	Kanathi Kumari. N	Student Member	

PERI INSTITUTE OF TECHNOLOGY, CHENNAI - 600048

Minutes of the Class Committee MeetingDepartment CCM Number (tick) First ☒

Second

Third

Semester VIIIAcademic Year 2018-19CCM Venue BSCCM Date 28.01.19**I. Members Present**

S.No.	Name and Designation	Position in the Class Committee	Signature
1	S. SEBASTIAN SURESH	Chairperson	S. Seshu
2	ABISHA J. BENELYN	Faculty member	Abishan
3	R. SIVARUMAR	Faculty member	R. Sivarumar
4	S. PREETHI	Faculty member	S. Preethi
5	RENUKA	Faculty member	Renuka
6		Faculty member	
7		Faculty member	
8	Stephen R	Student Member (CR-M)	Stephen R
9	G. Priyanka	Student Member (CR-F)	G. Priyanka
10	Abinash D	Student Member	Abinash D
11	Karthikeyan R	Student Member	Karthikeyan R
12	Jaya Shree R	Student Member (CR-F)	Jaya Shree R
13	Ponselva Priya B	Student Member (CR-F)	Priya B
14	ABISHA J. BENELYN	Convener (Faculty Advisor)	Abishan

Note: The Minutes of the Class Committee Meeting shall be filed in the Class Committee Meeting file of the Department.

PERI INSTITUTE OF TECHNOLOGY, CHENNAI - 600048

Minutes of the Class Committee Meeting

Department CCM Number (tick) First

Second ☒

Third

Semester Vth A

Academic Year 2018-19 (odd)

CCM Venue BS 4

CCM Date 24/09/2018

Members Present

S.No.	Name and Designation	Position in the Class Committee	Signature
1	Mr. S. Sebastian Suresh	Chairperson	<i>S. Sebastian Suresh</i>
2	P. Sakthi Shanmugasundaram	Faculty member	<i>P. Sakthi Shanmugasundaram</i>
3	R. Siva Kumar.	Faculty member	<i>R. Siva Kumar</i>
4	P. Uma Maheswari	Faculty member	<i>P. Uma Maheswari</i>
5	Jaganathan	Faculty member	<i>Jaganathan</i>
6	Rosy	Faculty member	<i>Rosy</i>
7	—	Faculty member	—
8	N. Vignesh	Student Member (CR-M)	<i>N. Vignesh</i>
9	R. Pavithra	Student Member (CR-F)	<i>R. Pavithra</i>
10	S. Jacklin	Student Member	<i>S. Jacklin</i>
11	A. Annie	Student Member	<i>A. Annie</i>

12	L. Preethi Sai	Student Member	
13	J. Keshav Kumar	Student Member	J. Keshav Kumar
14	P. Uma Maheswari	Convener (Faculty Advisor)	

Note: The Minutes of the Class Committee Meeting shall be filed in the 'Class Committee Meeting file' of the Department

PERI INSTITUTE OF TECHNOLOGY, CHENNAI - 600048

Minutes of the Class Committee Meeting

Department CCM Number (tick) First

Second ☒

Third

Semester VII 'A'

Academic Year 2018-19 (odd)

CCM Venue BS7

CCM Date 28/9/18

I. Members Present

S. No.	Name and Designation	Position in the Class Committee	Signature
1	P. Uma Maheswari	Chairperson	
2	S. LAKSHMI NARAYANAN	Faculty member	S. Lakshmi Narayanan
3	R. MAGESH	Faculty member	R. Magesh
4	S. ARUN KUMAR	Faculty member	S. Arun Kumar
5	S. RAHINI SUDHA	Faculty member	S. Rahini Sudha
6	S. SEBASTIAN SURESH	Faculty member	S. Sebastian Suresh
7	SHANMUGAVEL G	Faculty member	Shanmugavel G

8	G. VIGNESH	Student Member (CR-M)	
9	D. ABINESH	Student Member (CR-F)	Abin
10	T. PRIYADHARSHNI	Student Member	T. Priyadharshni
11	G. NAGANANDHINI	Student Member	
12	D. KAMINI	Student Member	Kamini
13	MADHANKUMAR	Student Member	
14	R. MAGESH	Convener (Faculty Advisor)	R. Magesh

Note: The Minutes of the Class Committee Meeting shall be filed in the 'Class Committee Meeting file' of the Department

I. Minutes (Points discussed and decisions taken)			
S.No.	Agenda Items	Discussed (Yes/No)	Comments / Remarks
A) General Review			
1	Pace of coverage of syllabus and issues regarding coping up of students to the syllabus coverage discussed	yes	Syllabus coverage Important
2	Nature of Continuous Assessment Test (CAT) and Assessment Procedure discussed	yes	Informing about the CAT - F. am.
3	Assignments and Tutorials given to the students reviewed	yes	Problem Solving in the class room
B) Performance Review			
4	Whether CAT marks for all subjects pertaining to the class made available to the meeting? Performance of students in CAT is reviewed.	NO	- NIL - PDSP.

5	Whether subjects in which students performance is poor identified and any remedial classes / additional tutorials suggested for any subjects	Yes	② TLWG ③ MP & MC.
C) Regularity Review			
6	Whether attendance details for all subjects pertaining to the class made available to the meeting? Class attendance is reviewed and irregular students identified.	Yes	Informing about the student attendance performance to the Parents.
D) Students' Feed Back			
7	Specific Students' Feed Back, if any, is recorded	Yes	- NO -
8	Other academic matter discussed:	Yes	- NIL -

(Attach a separate sheet to present more information if required)

II. Minutes (Points discussed and decisions taken)			Comments / Remarks
S.No.	Agenda items	Discussed (Yes/No)	
A) General Review			
1	Pace of coverage of syllabus and issues regarding coping up of students to the syllabus coverage discussed	✓	POM - 1 Unit All other subjects } 1.1/2 Unit
2	Nature of Continuous Assessment Test (CAT) and Assessment Procedure discussed	✓	Informed student about CAT - Exam per day
3	Assignments and Tutorials given to the students reviewed	✓	* No need Assignments * No need first hour class test (daily test)
B) Performance Review			
			* They wrote very well.

4	Whether CAT marks for all subjects pertaining to the class made available to the meeting? Performance of students in CAT is reviewed.	✓	most of them cleared in exam.
5	Whether subjects in which students performance is poor identified and any remedial classes / additional tutorials suggested for any subjects	✓	* Yes, Rajesh. * Important questions are given to him.
C) Regularity Review			
6	Whether attendance details for all subjects pertaining to the class made available to the meeting? Class attendance is reviewed and irregular students identified.	✓	All are regular.
D) Students' Feed Back			
7	Specific Students' Feed Back, if any, is recorded		
8	Other academic matter discussed:		* They want to prepond the class time [8.00 to 3.35] for 9 hours * They need Industrial visit, workshop * Want to change their class room

(Attach a separate sheet to present more information if required)

2. Online Feedback

The online feedback is taken once in a semester. It is taken from all the students for each subject in the semester. The feedback software rates each faculty member's performance based on the questionnaire.

Action Taken

The corrective actions will be taken by the HOD for those who have not secured the minimum bench mark of 7.5 out of 10. Based on feedback and performance in the university result of the faculty members, HoD suggests them for sending to training if required.

3. Course End Survey

Course end survey is conducted at the end of the course by the class coordinator to get the feedback from the students in the form of a questionnaire about how far the faculty has made the students to understand the subject and achieve the course outcomes and has contributed for programme outcomes.

Action Taken

The result of this assessment along with direct assessment is useful in assessing the contribution of the course and to improve the course for better achievement of Program Outcomes.

PERI DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING COURSE END SURVEY FORM

Name: S. Srinivas Page: 1 / 1

Year/Semester: 1st / II

Mobile: 9840754432 E-mail: srinivas123@gmail.com

5. Please give a rating of your course on the following:-

	1	2	3	4	5
Very Good / Good / Moderate / Poor / Very Poor					

S.No	Particulars	Rating
1	Learning value (in terms of skills, concepts, knowledge, analytical abilities, or broadening perspectives)	2
2	Applicability / relevance to real life situations	3
3	Depth of the course content	2
4	Extent of coverage of course	1
5	Extent of effort required by students	1
6	Relevance / learning value of project / report	2
7	Overall rating	2

2. The syllabus was

1) Challenging 2) Adequate 3) Inadequate 4) Dull 5) Irrelevant 2

3. Your background for benefiting from the course was

1) Highly relevant 2) Relevant 3) Partly relevant 4) Mostly irrelevant 5) Completely irrelevant 2

4. How much of the syllabus was taught in class?

1) 80 to 100% 2) 75 to 80% 3) 50 to 75% 4) 40 to 50% 5) less than 40% 1

5. What is your opinion about the library holdings for the course?

1) Excellent 2) Adequate 3) Inadequate 4) Poor 5) Very poor 2

6. Were you able to get the prescribed readings?

1) Very good 2) Good 3) Average 4) Poor 5) Very poor 2

7. The internal evaluation system as it exists is

1) Very good 2) Good 3) Average 4) Poor 5) Very poor 2

8. When you meet students who have taken a similar programme at other Universities do you feel that your programme is?

1) Superior 2) Equal 3) Inferior 2

All the academic activities are monitored through iguru software

The screenshot shows a web application interface for 'PERI Internal Payroll System'. The main content area displays a table with student performance data. The table has columns for Class Name, Assignment, Test, Drop Action, Bar At, Homed At, Sample Check, Class Cut, Stay Back Cut, and Stay Back. The data is organized by class, with rows for different assignments and tests. The table is filtered for the date 03-01-2020. The interface includes a sidebar with navigation links and a top navigation bar with user information and settings.

Class Name	Assignment	Test	Drop Action	Bar At	Homed At	Sample Check	Class Cut	Stay Back Cut	Stay Back
III ECE A	0	0	0	0	0	0	0	0	0
III ECE B	0	0	0	1	0	0	0	0	0
III ECE A	7	9	2	0	0	0	11	6	0
III ECE B	0	1	0	2	0	0	2	14	0
IV ECE A	0	0	0	0	0	0	0	0	0
IV ECE B	0	0	0	0	0	0	0	0	0
I CIVIL / EEE / MECH	0	0	0	0	0	0	0	0	0
I CSE A	0	0	0	0	0	0	0	0	0
I CSE B	0	0	0	0	0	0	0	0	0

2.2.2 Quality of internal semester Question papers, Assignments and Evaluation (20)

Institute Marks : 20.00

Examination process aims at measuring the degree of knowledge assimilated by the students during a course of study or training imparted to them. Assessment and evaluation are the major tools to verify the attainment of POs and PSOs of the curriculum. To measure the attainment of POs and PSOs, three internal assessment tests namely 'Continuous Assessment Test1, Test2 & Test3 (CAT1, CAT2 & CAT3)' and model exam are conducted in a centralized manner adhering to the academic calendar

In order to achieve the quality in conducting the continuous assessments, a department CAT Examination coordinator along with one faculty member is formed. CAT Coordinator will prepare Exam TimeTable, , Deadline for Question paper submission, Preparation of seating plan, Invigilation duty and Question Paper template , Allotment of invigilation duty, distribution of Question paper & answer books, collection of answer books, Deadline for paper evaluation and Deadline for mark distribution to the HOD. Individual members will be responsible for each 'time-bound' activity and shall monitor the progress..

Implementation

Procedure to Prepare the Internal Question Paper

The Question paper for the Continuous assessment Test is prepared by the subject handling faculty and it is verified by the HOD so that the quality of question paper is ensured. Question papers are prepared in such a way that all questions in the question paper should appropriate to meet the Course Outcomes and develop students' critical thinking skills.

Question papers are prepared to satisfy the following:

- Questions are appropriate and adequate to check the attainment of course outcomes.
- Questions are prepared based on the Blooms taxonomy.

- Questions may require memory recall or direct application of text book material to answer them.
- For some of the questions, the solutions can be arrived by applying basic course knowledge.
- Question papers are prepared based on the previous five years Anna University Question Papers.

PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai - 48,
Department of Electronics and Communication Engineering

PERIIT/ECE/CIR-01/ODD/19

DATE :18.07.19

CIRCULAR

Dear all,

The CAT - I examination commences on 22.7.2019.

Exam will be conducted for 100 marks from 12.40 PM to 03.40 PM.

Coaching will be conducted from 8.30 A.M to 11.45 A.M.

The Subject handling faculty should engage the coaching.

Faculties handling class for ECE department are requested to submit hard copy of question paper on or before 19.07.2019 (Friday) without fail.

Faculties are also requested to enter the marks in the department system on next day of the exam.

The question paper template and timetable are attached herewith.

Regards

ECE DEPT. CAT CELL

Encl:

1. CAT I TIMETABLE
2. CAT I QP TEMPLATE

Sample Circular for CAT

PERI
INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING
CAT-1 JULY 2019
SUB CODE-NAME

Year/Sem		Date	
Class/Section		Duration	3 Hours
Faculty		Max Marks	100

Answer ALL Questions

Part - A (10*2=20)

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

Part-B (5*13=65)

11. A) Or
- B)
12. A) OR
- B)
13. A) OR
- B)
14. A) OR
- B)
15. A) OR
- B)

Sample Question Paper Template

Sample Mapping of Question Paper with Course Outcomes

COURSE NAME: DIGITAL IMAGE PROCESSING (Year 2018-19)

COURSE CODE: IT 6005

S. No	CO1	CO2	CO3	CO4	CO5	CO6
Q1		Remember				
Q2		Remember				

Q3		Remember				
Q4		Evaluate				
Q5		Evaluate				
Q6			Evaluate			
Q7		Remember				
Q8			Remember			
Q9		Remember				
Q10			Remember			
Q11(A)		Create				
Q11(B)		Create				
Q12(A)			Analyze			
Q12(B)		Evaluate				
Q13(A)		Create				
Q13(B)		Create				
Q14(A)			Remember			
Q14(B)			Remember			
Q15(A)(i)		Analyze				
Q15(A)(ii)		Analyze				
Q15(B)(i)		Evaluate				
Q15(B)(ii)		Analyze				

Sample Question paper Copy:

PERI
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING
CAT-2 SEPTEMBER 2019
IT600#DIGITAL IMAGE PROCESSING

Year/Sem	IV/VI	Date	11.09.2019
Class/Section	IV ECE A	Duration	3 Hours
Faculty	Mrs. R. Maheswari	Max. Marks	100

Answer ALL Questions
Part - A (10*2=20)

- Define and give the transfer function of contrastharmonic filter. [CO2]
- Define image degradation model and sketch it. [CO2]
- Give the PDF of Gaussian noise and plot it. [CO2]
- Mention the drawbacks of inverse filtering. [CO2]
- Mention two applications of image segmentation techniques. [CO2]
- Write the importance of Edge detection. [CO3]
- State the conditions for Region Splitting and Merging Processes. [CO2]
- What is the need for image compression? [CO3]
- What is Run Length Encoding? [CO2]
- What is a shift code? How this is used image analysis? [CO3]

Part-B (5*13=65)

- Describe histogram equalization. Obtain Histogram equalization for the following image segment of size 5×5 . Write the inference on image segment before and after equalization. (16)

20	20	20	18	16
15	15	16	18	15
15	15	19	15	17
16	17	19	18	16
20	18	17	20	15

[CO2]

(OR)

- Describe how homomorphic filtering is used to separate illumination and reflectance component. [CO2]

- A) How wiener filtering is helpful to reduce the mean square error? (13) [CO2]
(OR)
- B) Explain the region based segmentation and region growing with an example. (13) [CO2]

- A) Write short notes on JPEG standard (13) [CO3]
(OR)
- B) Write short notes on JPEG (4) (13) [CO3]

- A) (i) How do you perform directional smoothing in images? Why it is required? (8)
(ii) What is geometric mean and harmonic mean with reference to an image? What purpose do they serve for image analysis? Discuss. (5)
(OR)
- B) (i) Describe how image restoration can be performed for black and white binary images. (8)
(ii) Compare restoration with image enhancement. (5) [CO3]

PART C (15 X 1 = 15)

- A) A source emits letters from an alphabet $A = \{a_1, a_2, a_3, a_4, a_5\}$ with probabilities $P(a_1) = 0.3, P(a_2) = 0.4, P(a_3) = 0.15, P(a_4) = 0.05$ and $P(a_5) = 0.1$.
A. Find a Huffman code for this source?
B. Find the average length of the code and its redundancy. [CO3]
(OR)
- (b) A source emits three symbols A, B, C with a probability (0.5, 0.25, 0.25) respectively. Construct an arithmetic code to encode the word 'C A B'. [CO2]

Assignments:

The following types of assignments are given to the students to make them attain the Course Outcomes of the programme.

- Writing Essays on the topics given in syllabus.
- Solving questions taken from the exercises in text books.
- Solving problems from the previous Anna university question papers.

Evaluation of the Answer Scripts

After each Continuous Assessment Test, the subject handling faculty evaluates the answer scripts within 3 days and prepares reports to analyze the learning level of the students to attain the Cos. The evaluated answer scripts are randomly checked and verified by the HOD. Sample answer sheets (best, good and average) are maintained in the course file as evidence. The evaluated answer scripts of examinations are handed over to the students after evaluation to point out the discrepancies, if any to the notice of the concerned teacher and the necessary correction are carried out. CAT marks and attendance are communicated to the parents either through SMS or during Parents-Teachers meeting. The marks scored by each student is entered in an excel sheet and analyzed.

RESULT ANALYSIS

Minimum Pass Mark: 50

Date of test: 18.01.2018

Description	(Poor& Failed Students)	50 – 60 (Average Students)	61 – 80 (Fair Students)	81 – 100 (Bright Students)
No. of Students	1	13	22	3

Roll Number and Name of Failed and Poor Students:

Highlight repeated failures referring to previous test:

Root Cause for the Failed & Poor Students: (Analyze student wise for good result) – Add additional sheets if required

Why 1? : Weak in sentence formation

Why 2? : They are not following the standard books

Why 3? : Slow learners

Corrective Action for the Failed & Poor Students: (Attach separate sheet, if required)

Roll no. of improved student performance when compared to previous test:

Subject In-charge

Head of the Department

2.2.3 Quality of student projects (25)

Institute Marks : 25.00

The conduct of project is monitored by Project Monitoring Committee (PMC) which is initiated in VII semester although Anna University recommends the initiation of end semester project from VIII semester onwards. Project hour has to be allotted in time table of VII semester, per week one period can be given. It is the carry forward process, project coordinator can be allotted taking into account of VIII semester (same coordinator has to continue for VIII semester).

Process related to project identification, allotment, continuous monitoring and evaluation

Students of final year are divided into various groups to carry out the project work. The identification of projects and allotment is carried out through a formal circular by Project coordinator/HOD. The specialization areas of respective faculty with their area of interest is collected which will then be considered for allocation of research topics and Student groups. Preliminary discussion between the batch of students and faculty is held to decide on the following aspects of project work:

Suitable and appropriate problem of research, Objectives of the study, Methodology to be employed, Data collection to be made, Prospective analysis and interpretation of data, Expected conclusions and Scope for further study. This will finally decide on the Preparation of a Project report and Qualities of a researcher. Every project supervisor is allotted with a group of students who will be guided by him until the project work is completed. This will be monitored and ratified by Project coordinator/HOD.

Schedule	Work plan
First week	Project Orientation by Project coordinator
Second week	Domain description by Project coordinator
Third week	Team formation(Maximum of 4 members)
Fourth week	Guide allocation based on the specialization(Arrangement for display of staff with specialization)
Fifth week	Presentation regarding domain related ongoing activities by the projectstudents. (About proposed projects)
Sixth week	Collection of literature papers (Conference + Journal) -At least 20 papers (Hard copies)
Seventh week	Survey activities
Eighth week	Problem identification
Ninth week	Title Confirmation
Tenth week	Zeroth review presentation+ Literature survey report submission

Quality of Student Projects

The department publishes the rules and guidelines for the project identification as given below:

1. The project should have at least one IEEE reference.
2. Maximum of four members is allowed in a batch.
3. Preferably the project should have both hardware and software components.
4. The project students should meet their guide regularly and carry out the project work.

5. The project should be in terms of consideration to the factors including real life problems, socially relevant, environment safety, ethics, cost, type (application, product, research, review) and standards.
6. Each project should have a demonstration of working prototypes and enhancing the relevance of projects.
7. The project report, as per Anna University specified format, should be submitted after completion of the project.
8. The maximum time allotted to complete the project work is one semester for main project and two months for mini project.

The students should attend all the project reviews and present their ideas with the help of PPTs.

Process for Monitoring and Evaluating the Quality of Projects

Two Expert members will be nominated for the smooth conduct of review. Expert members should not be changed under any circumstances. At the end of VII semester, team has to submit the literature survey report along with the bonafide certificate. (Refer :Anna University UG thesis report-Front page, Bonafide certificate, Table of Contents-Introduction, Literature Survey(Content, Advantage, Disadvantage, Conclusion) Guide should be present for all the review. Project coordinator is to monitor the ongoing process.

Plan and Description of activities for VIII semester are listed below

Schedule	Work plan
First week	Review-Outline of Project work
Third week	Report-First Chapter submission
Sixth Week	Review-Description of Project work
Final Review	Report submission-Second and Third Chapter Submission
Tenth week	Report-Submission-Comprised of full work.

All the scheduled work must be maintained in project diary (will be given by the department) and acknowledged by the project guide.

Summary of review to be submitted by the project coordinator:

STUDENT's NAME & REGISTER NO. :
NAME OF THE INTERNAL GUIDE :
REVIEW PANEL MEMBERS (RPMs) :
PROJECT TITLE :

PROJECT COORDINATOR										HOD									
Guide Mark (50)										RPM Marks (50)									

1**2****3****4****Final**

progress of project is periodically monitored by a review committee headed by HOD and project coordinator. They duly assessed the work and pass on their critical comments regarding the project. Their comments are acted upon by the students under the supervision of the project guide. Marks are awarded for every review. The total reviews are three. Marks awarded for all the three reviews form part of internal assessment of project work. This includes the following aspects and orientation:

- Innovation
- Originality
- Social Impact and relevance
- Environmental safety and Ethics

The evaluation is carried out to assess both individual and team performance. The team Performance is gauged on the following aspects:

- The final setup of the project report
- The depth of Literature review covered
- The methodology adopted
- The analysis carried out and presented
- The discussion culminating in conclusions and the new impacts at the end of the project work with scope for further study.

The individual performance evaluation is made on the following observations:

- The style of presentation
- Ability to answer the questions
- Depth of understanding of the problem
- Individual contribution to data collection and analysis of the problem proper.
- Demonstration of the work by way of presenting models and other innovative ways of expression.

Submission of Project Report and Conductance of Viva-Voce:

Continuous internal assessment is monitored by the faculty guide at every stage of the project work by giving due weight-age to sources consulted / literature review, methodology, data collection, technical accuracy, content of the report and references. In addition, the external examiner evaluates the project report and conducts viva-voice examination.

Internal Assessment				University Examination\Evaluation					Total
				Project Thesis Submission (30)		Viva-Voce(50)			
Attendance (20)	I	II	III	Internal Examiner	External Examiner	Internal Examiner	External Examiner	Supervisor	

CAY 2016 - 2017

Batch no	Name Of The Student	Project Tittle	In house project	Classification	Relevance's to POs and PSOs
----------	---------------------	----------------	------------------	----------------	-----------------------------

			Industry Relevance project	of Project	
A01	E.Ramarajan	Implementation Of Hand In News Feeding Using Image Sensing Technique	In house project	Application	PO1,PO2,PO3,PO4,PO5, PO8, PO10,PO12, PSO1,PSO2,PSO3
	N. Senthil				
	T. Vinothkumar				
A02	G.Gopinath	Industrial Automation PLC Using Web Browser	In house project	Application	PO1,PO2,PO3,PO4,PO5, PO8,PO9,PO10,PO12, PSO1,PSO2,PSO3
	R.P. Karthikeyan				
	K.Manimaran				
A03	MedapaHarichandhana	Digitally Controlled Ring Oscillator For The Reduction Of Jitter And Glitches Using Frequency Multiplier	In house project	Research	PO1,PO2,PO3,PO4,PO5, PO8 PO9,PO10,PO12, PSO1,PSO2
	Nivedha . V				
	Yadav sathyarajanagam				
A04	Aswini P	Maximum Demand Control And Overload Identification Using Wireless Communication	In house project	Research	PO1,PO2,PO3,PO4,PO5, PO8,PO10,PO12,PSO1, PSO2
	Joyce Rebecca . V				
	Nandhini.S				
A05	Adoniram Judson I	Intelligent Transport System	In house project	Application	PO1,PO2,PO3,PO4,PO5, PO7,PO8, PO9,PO10,PO12, PSO1,PSO2,PSO3
	Prasanna R				
	Gowtham S				
A06	Utthandaraman R	Implementation Of Security Enhanced Authentication System In ATM Service Using IVRS	In house project	Application	PO1,PO2,PO3,PO4,PO5, PO7,PO8,PO9,PO10,PO11,PO12, PSO1,PSO2,PSO3
	Vigesh R				
	Balasubramani P				
A07	KarthikvikramT.K	Health Monitoring Using Internet Of Things With Cloud Based Processing	In house project	Health	PO1,PO2,PO3,PO4,PO5, PO7,PO8,PO9,PO10,PO12, PSO1,PSO2,PSO3
	Ram Prasad V				

	Rishap Raj A				
A08	Praveen S	Implementation Of High Speed Low Power CSKA Using Brent Kung Adder	In house project	Research	PO1,PO2,PO3,PO4,PO5, PO8 PO9,PO10,PO12, PSO1,PSO2
	Thamizhselvan P				
	Vinoth P				
A09	Antony Xavier A	A Facile Way To Access Traffic Signal on Crisis condition by deploying active- RFID	In house project	Research	PO1,PO2,PO3,PO4,PO5, PO8,PO9,PO10,PO11,PO12, PSO1,PSO2,PSO3
	HemankumarS.M.D				
	Kevin rajkumarD.X				
A10	Deepak ShyamSundar S	Theft Alert And Smart Parking Using Active RFID	In house project	Application	PO1,PO2,PO3,PO4,PO5, PO7,PO8,PO9,PO10,PO12, PSO1,PSO2
	Hariharan M				
	Krishnan P				
A11	Jacquelin R	An Adjustable – Speed PFC SEPIC converter FED BLDC motor drive using Fuzzy logic	In house project	Research	PO1,PO2,PO3,PO4,PO5, PO7,PO8,PO10,PO12, PSO1,PSO2,PSO3
	Sanjana A				
	VaishaliK.L				
A12	Anu .B	Maximum throughput of cognitive radio networks through secondary user power consumption in 5G heterogeneous Networks	In house project	Research	PO1,PO2,PO3,PO4,PO5, PO7,PO8,PO10,PO11,PO12, PSO1,PSO2,PSO3
	Hemavathi P				
	Srinivasalu.Amulya				
A13	Evangelin Ebenezer A	To Detect and destroy the misuse of images in the social networks using HFSI Algorithm	In house project	Application	PO1,PO2,PO3,PO4,PO5, PO7,PO8, PO10, PSO1,PSO2,PSO3
	Indhumathi S				
	Jayalakshmi V				
A14	Harinee N	A Smart LI-FI Security for bank Theft control	In house project	Application	PO1,PO2,PO3,PO4,PO5, PO8,PO9,PO10,PO12, PSO1,PSO2
	Harinilakshmi P				
	PavithraP.R				

	Shine Angel R				
A15	Priya S	Cognitive industrial load control using virtual reality technique	In house project	Application	PO1,PO2,PO3,PO4,PO5, PO8,PO10, PSO1,PSO2
	Sandhiya p				
	Vairamani. S				
A16	Shakila G	Localizing Border Crossing Using RSSI Alert System	In house project	Application	PO1,PO2,PO3,PO4,PO5, PO7,PO8,PO10,PSO1,PSO2,PSO3
	Sindhuja B				
	Usha Nandhini M				
A17	Priyanka D	A Mixed Style Multiplier For Low Power Dissipation in VLSI	In house project	Research	PO1,PO2,PO3,PO4,PO5, PO7,PO8,PO10,PO11,PO12, PSO1,PSO2,PSO3
	Savitha Sri B.S				
	SherineEmimaS.S				
A18	PradeepaS.G	Human Authentication by dental biometric Analysis using fast marching algorithm	In house project	Health	PO1,PO2,PO3,PO4,PO5, PO7,PO8,PO9,PO10,PO11,PO12, PSO1,PSO2,PSO3
	RenuPriya B				
	Tamil Selvi P				
A19	Priyavardhini S	Prevention of Black hole attach using Reactive Propagation and mitigation AOMDV	In house project	Research	PO1,PO2,PO3,PO4,PO5, PO7,PO8,PO10,PO11,PO12, PSO1,PSO2,PSO3
	Ranjitha V				
	Sugha . S				
A20	Gopala Krishnan K	Automatic Animal Detection and Warning system	In house project	Research	PO1,PO2,PO3,PO4,PO5, PO8,PO10,PO12,PSO1, PSO2
	Jeevan Raj M				
	Koushik D				
A21	Baranidaran K	Colour analysis and depth estimation of hazy images for fast visibility restoration using laplacian based techniques	In house project	Research	PO1,PO2,PO3,PO4,PO5, PO7,PO8,PO10,PO11,PO12, PSO1,PSO2,PSO3
	Moneeshkumar L				
	Nowshath H				

CAY 2017-2018

Batch no	Name of the student	Project Title	In house project	Classification of Project	Relevance's to POs and PSOs
			Industry Relevance project		
A01	Abirami K	Weld Pool Visual Tracking in Automatic ARC Welding Using Graph Cut Segmentation	In house project	Application	PO1,PO2,PO3,PO4,PO5 ,PO8 PO9,PO10,PO12, PSO1,PSO2
	Divya J				
	Logeswari V				
A02	Nivedha I C	Efficient AlamoutiSTBC Algorithm for MIMO – Multi Carrier Modulation Technique	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO9,PO10,PO11,PO12, P
	Vidhya Lakshmi V				
	Nandhinee R				

A03	Jeevitha M	Pre coder design for MIMO relay communication using DF Protocol	In house project	Research	PO1,PO2,PO3,PO4,PO5,PO9,PO10,PO12, PSO1,P
	Divyaprabha C				
	Soniya Y				
A04	Malliabinash	Underwater Marine Object detection and classifier based on deep neural networks	In house project	Research	PO1,PO2,PO3,PO4,PO5,PO9,PO10,PO12, PSO1,P
	Venkatesh M				
	Mohammed manasir				
A05	Bharathi S	Underwater Image Enhancement using CLAHE&EMD	In house project	Research	PO1,PO2,PO3,PO4,PO5,PO8 PO9,PO10,PO12, PSO1,PSO2,PSO3
	Divyalakshmi K				
	Swathyathna A				
	Govathy S				
A06	Uma Maheshwari T	Machine Lieutant for visually impaired people	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO8, PO9,PO10,PO11,PO PSO1,PSO2,PSO3
	StruthiNarayani V				
A07	RathiPriya R	IOT Smart Mirror with News and Temperature	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO8, PO10,PO12, PSO1,PSO2,PSO3
	Vijayalakshmi T				
	Yuvarani N				
A08	Sivaranjani L	Cross Channel Hearing AID Using Bone Conduction	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO8 PO9,PO10,PO12, PSO1,PSO2,PSO3
	Nivetha M				
	Vidhyakaran P				
	Praveen Kumar M				
A09	Pavithra S	Motion controller using FPGA for rotating platform	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO8 PO9,PO10,PO12, PSO1,PSO2
	Swathika R				
	Thanuja S				
A10	Harish R	Power optimization of MIG	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO8

	Mohamed Azharudeen M R	welding power source using DSP algorithm			PO10,PO12, PSO1,PSO2
	Mustafa F Motani				
A11	RakeshDhevaraj P S	Wireless Suction Legged ROBOT with Error handling ARM	In house project	Industry application	PO1,PO2,PO3,PO4,PO5,PO7,PO8 PO9,PO10,PO12, PSO1,PSO2,PSO3
	Srinath S				
	Richie Bernard J				
A12	Parthiban M	ATM Machine with Biometric Security	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO7,PO8 PO9,PO10,PO11,PO12, PSO1,PSO2,PSO3
	Praveen Kumar M				
	Sriram T				
A13	Suryaa S P	Implementation of image feeding and face recognition using Open CV in Robotics	In house project	Security	PO1,PO2,PO3,PO4,PO5,PO7,PO8 PO9,PO10,PO12, PSO1,PSO2,PSO3
	Venkatesh Prasad P				
	Rishi Gopikrishnan				
A14	Immanuvel David Raj S	CT and PET medical image fusion using wavelet transform restored by iterative wiener filter.	In house project	Medical applications	PO1,PO2,PO3,PO4,PO5,PO7,PO8 PO10,PO11,PO12, PSO1,PSO2,PSO3
	Sankaranarayan K				
A15	Bhuvanesh Kumar S	Autonomous Intelligent Bot-Mover	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO8 PO9,PO10,PO12, PSO1,PSO2
	Tamil Selvan K				
A16	Lakshmi Gantham K E	Real Time operating system for prevention of human hazards by TOXIC gases	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO7,PO8 PO9,PO10,PO12, PSO1,PSO2,PSO3
	Nazeema M I				
	SoumyaAnand				
A17	Suguna R	Cash withdrawal and transaction block without MAC	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO8 PO9,PO10,PO11,PO12, PSO1,PSO2,PSO3
	Sumithra A				
	Vishnu Priya K				

A18	Abinaya A	IOT Based Farm Hand Robot	In house project	Industrial application	PO1,PO2,PO3,PO4,PO5,PO7,PO8 PO9,PO10,PO12, PSO1,PSO2
	AtchayaPriya P				
	Lakshmi Priya V G				
A19	Deepa P	Feature Extraction of Under Water Image using Texture and colour clustering analysis.	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO7,PO8 PO10,PO12, PSO1,PSO2,PSO3
	Keerthana M				
	Keerthi R K				
	Sri ShamundeshwariR				
A20	Jasmine Jimla Mary A	Hybrid multilevel PAPR Reduction on MIMO based system.	In house project	Research	PO1,PO2,PO3,PO4,PO5,PO7,PO8, PO10, PSO1,PSO2,PSO3
	Jerinpunarviya P				
	Mobisha D				
A21	Ramya S	Smart Helmet using GPS and GSM for Accident detection	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO8 PO9,PO10,PO12, PSO1,PSO2,PSO3
	Shakila W				
	Sowndharya E				
A22	McferranAbishek D	Accelerometer based wireless hand gesture controlling robot	In house project	Robotics applications	PO1,PO2,PO3,PO4,PO5,PO8 PO9,PO10,PO11,PO12, PSO1
	Karthekeyan M				
	Saravanan S				
A23	Hariharasudhan U	An IOT Application for stock management and goods analysis.	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO8 PO10, PSO1,PSO2
	Karthick I				
	Karthick M				
A24	Saffani C Xavier	Fire Fighting Robot using ESP 8266	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO7,PO8 PO10,PSO1,PSO2,PSO3
	Sivanarayanan M				
	Satheesh Kumar				
	Rooban Raj S				

A25	Mohanprabu S	Secure identity based digital signature scheme for wireless sensor networks	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO7,PO8 PO9,PO10,PO11,PO12, PSO1,PSO2,PSO3
	Sudhan Kumar R				
	Srinivasaraghavan M				
A26	Arjun S	Landmine detection robot	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO8 PO9,PO10,PSO1
	Nikhil Raj chauhan				
	Harikumar K				
	Thilip Kumar S				
A27	Gokula Krishnan s	Safety and Security using GSM Module	In house project	Security applications	PO1,PO2,PO3,PO4,PO5,PO7,PO8 PO10,PO11,PO12, PSO1,PSO2,PSO3
	Sunil dev M				
	Ajith A				
A28	BarathPrasanna A	Power exalting Versatile BOT	In house project	Research	PO1,PO2,PO3,PO4,PO5,PO7,PO8 PO9,PO10, PSO1,PSO2,PSO3
	Hindumathi V				
	Krishnakumar R				
A29	Kesavan	Development of intelligent energy efficient and control of traffic safety management system	In house project	Research	PO1,PO2,PO3,PO4,PO5,PO7,PO8 PO10, PSO1,PSO2,PSO3
	Udayakumar				
A30	ManoaraKhatun	Smart Card using RFID	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO7,PO8 PO9,PO10,PO12, PSO1,PSO2,PSO3
	Aruna T				
	JuttigaAravindaBalu				
A31	Gowtham M	Secure Routing against active attack in wireless sensor networks	In house project	Research	PO1,PO2,PO3,PO4,PO5,PO7,PO8 PO10,PO11,PSO1,PSO2,PSO3
	Arunkumaar S S				
	Kumaran S				

CAY 2018-2019

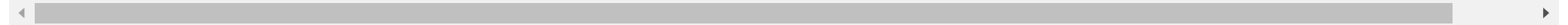
Batch no	Name Of The Student	Project Tittle	In house project	Classification of Project	Relevance's to POs and PSOs
			Industry Relevance project		
A01	G.Naganandhini	LPG leakage detection based on wireless sensor networks.	In house project	Application	PO1,PO2,PO3,PO4,PO9,PO10,PO11,PO12, PSO1,PSO2
	R Sindhujothi				
	C Sharmila				
A02	A Abirami	Real time monitoring Soil parameters using WSN.	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO9,PO10,PO11,PO12, PSO1,PSO2
	D Kamini				
	M Banupriya				
A03	R Keerthiga	Dynamic cooperative spectrum sensing for cognitive radio using extreme learning machine.	In house project	Research	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8 ,PO11,PO12, PSO1,PSO2
	D Hemamalini				
	R Jeyashree				
A04	P Mohana Krishnan	Augmented reality based surgical robotic ARM.	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO6 ,PO9,PO10,PO11,PO12, PSO1,PSO2,PSO3
	S Ranjith				
	K Vijay				
A05	V.Ramya	Multi-speciality robot for military purpose based on IOT	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO12, PSO1,PSO2,PSO3
	J.Kalaiyarasi				
	M.Sri Devi				

A06	M Parthiban Ganga	Smart mirror with voice assistant	In house project	Application	PO1,PO2,PO3,PO4,PO5, PO6,PO10,PO11,PSO1,PSO2,PSO3
	Naufal Mohammad Habib				
	S Vasanth				
	M. Raj Kumar				
A07	K.Deepthi	Smart home alert system using IOT.	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7 ,PO11, PSO1,PSO2
	T Charumathi				
	S.Katherin				
A08	M.Vinodha	Self-assistive system for disabled person.	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9 ,PO11,PO12, PSO1,PSO2
	S.Sowmiya				
	P.Priyanka				
A09	R.Yogesh	Subcarrier analysis on LTE using multiple relay path	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12, PSO1,PSO2,PSO3
	R.Naveen Kumar				
	R Sashi Kumar				
A10	M Bawya	Automatic irrigation system.	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7 ,PO11, PSO1,PSO2
	D Bhavani				
	D Indra				
A11	A AneesFathima	Communication gadget for deafand dumb people using ARDUINO	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12, PSO1,PSO2,PSO3
	P Keerthika				
	S Jeya Shree				
A12	AksharaKairali	Study and simulation of	ISRO	Research	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12, PSO1,PSO2,PSO3

	P Pravalika	7.5m antenna servo control mechanism			
	R.D.VijayaLakshmi				
A13	S.Kishore	Recognition and assessment of diabetic foot injury and analysis through Convolutional neural network.	In house project	Research	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12, PSO1,PSO2,PSO3
	N.ArulJothi				
	R.CAbineshAyjith				
	B. Manikandan				
A14	E.Kaviya	Illumivein portable vein spotter.	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7 ,PO11, PSO1,PSO2
	A.Lavanya				
	S.Deepika				
	A.M.Mutharasi				
A15	M.Vishwanaveena	Automatic locking system for pollution causing vehicles.	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10 PSO1,PSO2,
	E.Pradeepa				
	L Nivedha				
A16	K Gokula Raja	Smart security system for motor cycle.	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11PSO1,PSO2
	D Abinesh				
	R DeerajManjaray				
A17	S Manikandan	Detection and localization of IDS based spoofing attackers in wireless sensor network.	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12, PSO1,PSO2,PSO3
	C Gokula Krishnan				
	S Madhan Kumar				
A18	B PonselvaPriya	FOG removal and	In house	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO10,PO11,PO12, PSO1

	G Priyanka	accident prevention using voice play back technique.	project		
	S Mythili				
A19	R Stephen	Real time pedestrian and vehicle detection for autonomous driving by computer vision	In house project	Research	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO12, PSO1
	G Siva Kumar				
	G Vignesh				
A20	P Pradeepa	Retractable platform bridge.	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9,PO10,PO11,PO12, PSO1,PSO2
	J Nivedha Jenifer				
	R Nikitha				
A21	K Srinithi	Performance evolution of WBSNusing layout leach algorithm.	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12, PSO1,PSO2,PSO3
	G Periyanyaki				
	T Priyadharshini				
A22	K.Ganesh Kumar	An IOT based smart fuel level and cost monitoring system.	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11PSO1,PSO2,PSO3
	R Karthikeyan				
	Ajay Sobi S				
A23	Abdul Hai H	Danger access remote Trojan.	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8 ,PO12, PSO1,PSO2
	Sirajuddin G				
	Prakash M (07.08.1997)				
A24	Pravin Jyoti B	Face Recognition through face detection in	In house project	Research	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8 ,PO12, PSO1,PSO2
	Ragul S				

	Sethupathy S	CCTV with notification alert.			
	Kumaran P				
A25	BheemaNasrin	Wildlife detection and prediction using image processing.	In house project	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12, PSO1,PSO2,PSO3
	Krishna .S				
A26	Ashiq Mohammed M	Li Fi based data communication	In house project	Research	PO1,PO2,PO3,PO4,PO5,PO8,PO9,PO10,PO11,PO12, PSO1,PSO2
	Dinesh A				
	Karthikeyan D				
	Kishore B				



2.2.4 Initiative related to industry interaction (15)

Institute Marks : 15.00

Industry Supported Laboratories

The department of ECE has decided to modify the embedded system laboratory with highly suffocated equipment and software tools which accommodated activity like Robofest and other innovative ideas related to neural schemes etc. The head of department has discussed with **Mr. K. Vignesh, CEO- Insertion Systems, Chennai**, about equipment purchase and installation process and also signed Memorandum of Understanding (MoUs) for the initial installation from experienced members his company and provide valuable guidance towards the student project. The ultimate aim of this embedded system laboratory is to bring out various technical skills includes design, construction, operation, structural disposition, manufacture and application of robots.

Industry Involvement in the Program Design

- Department has signed a Memorandum of Understanding (MoUs) with major organization like RETECH Pvt.Sol, 1BYZERO LABS etc. for internship programs and Robofest activities to the students.
- If and for Endeavours, Chennai has offered one year internship program on web designing, programming languages, hardware and networking.
- Guest Lectures are organized to our students and faculty members about the latest trends and work culture of the Industries and Technicalities. The Students are bestowed with knowledge about industry needs, latest technical updates and avenues for higher studies.

Industry Support - Guest Lecture Details:

Sl. No	Date	Title	Resource person with designation
1.	13.08.2019	One day seminar on "Internet of Things (IOT)"	Mr. S. Kalidas and Mr. Karthick, Corporate Trainer, Ifand for Endeavours, Chennai.
2.	03.08.2019	One day workshop on "Intellectual Property Rights"	Mr.D. ThiyagarajaGuptha, Asst. Controller of Patents and Designs, Patents Office, Guindy, Chennai.
3.	08.03.2019	One day seminar on "Women Self-Empowerment"	Mrs.Amity Sobi, Founder of Amity Education Foundation & Principal of Kidzdale Pre-Primary School, Chennai.
4.	28.08.2018	One day Seminar on "Software on wheels -Neural Networks"	Mr. K. Vignesh, CEO- Insertion Systems, Chennai.
5.	22.12.2018	One day Seminar on "Personality Development"	Mr. V.PrasannaVenkatesan, Author & Advocate, International Success Coach, Chennai.
6.	17.07.2018	One day seminar on "Robotics and 3D Printing"	Mr. Ananda Rajan, Team Leader, RETECH Solutions, Chennai
7.	11.07.2018	One day Seminar on "Telecommunication and Networks"	Mr.Dominic SavioHiruthayaraj, Assistant Director of Network Operation, BSNL, Chennai.

Sl. No	Date	Title	Resource person with designation
8.	06.07.2018	Mini Project demonstration on “Ultrasonic Sensor using Arduino Board”	Mr. Ajay Sobi and Mr. K. Ganeshkumar Alumini, PERIIT, Chennai
9.	22.02.2018	Guest lecture on “Combinational Logic Circuits, Implementation Strategies	Mr.Sathish Kumar, Assistant Professor, T.J.S. Engineering college, Pudukkottai, Tamil Nadu 601206.
10.	08.02.2018	Workshop on Embedded Systems(Arduino and Raspberry Pi)	Mr. Senthil Kumaran, Corporate Trainer, Scube Techno Academy, Chennai
11.	22.01.2018	Guest lecture on “Static Electric Field, Magnetic Forces and Materials”	Mr.M.Kumaraguru, Assistant Professor, Sri Venkateswara Institute of Science & Technology, Kolundhalur Road, Tiruvallur, Tamil Nadu 631203
12.	08.12.2017 & 09.12.2017	Two Days National Level Workshop on “Advanced Embedded System Design using PIC Microcontroller”	Mr.SubaramSubbiah, Principal Engineer – IC Design, Broadcom India PVT.LTD, Chennai
13.	16.08.2017	Guest lecture on “Transmission Lines, Wave Guides and Cavity Resonators”	Mr.Antonyvigil, AP Sri Venkateswara Institute of Science & Technology, Kolundhalur Road, Tiruvallur, Tamil Nadu 631203
14.	11.07.2017	Guest lecture on “IC MOSFET Amplifiers, Biasing of Discrete BJT and MOSFET”	Mr.Saravanan, AP, Aksheyaa College of Engineering, Maduranthagam Taluk, Puludivakkam, Tamil Nadu 603314
15.	06.08.2016	Guest Lecture on “Recent trends in Robotics”	Technical Lead, Makers Arena Pvt Ltd., Chennai.
16.	06.09.2016	Guest Lecture on “Multi-Media Application” for III year students	Mr. Ananda Rajan, Team Leader, RETECH Solutions, Chennai
17.	25.12.2016	Mini Project demonstration Program on “Digital Image Processing using MATLAB tool”	Technical person, Spiro technology solution, Chennai

Details of Value Added Courses for Industrial Needs:

The value added courses are being conducted to enrich the students skill set. The head of the department along with the professors in the department frame the value added course to be conducted.

CAY: 2019-2020

Sl. No	Year/Dept	Duration	Course Name	Experts Name	Company Name	Conducted Hours
1.	IV ECE	7 days	Aptitude and soft skills	Ms. Joseline, Technical trainee, SMART Training Resources, Chennai	SMART Training Resources	56 Hrs

CAY m1: 2018-2019

Sl. No	Year/Dept	Duration	Course Name	Experts Name	Company Name	Conducted Hours
1.	IV ECE	10 days	Java Programming	Mr.V.G.Shanmugam, Technical trainee, Shan Software Services, Chennai	Shan Software Services	80 Hrs

CAY m2: 2017-2018

Sl. No	Year/Dept	Duration	Course Name	Experts Name	Company Name	Conducted Hours
1.	IV ECE	10 days	Java Programming	Mr.V.G.Shanmugam, Technical trainee, Shan Software Services, Chennai	Shan Software Services	80 Hrs

CAY m3: 2016-2017

Sl. No	Year/Dept	Duration	Course Name	Experts Name	Company Name	Conducted Hours
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1.	IV ECE	10 days	Java Programming	Mr.V.G.Shanmugam, Technical trainee, Shan Software Services, Chennai	Shan Software Services	80 Hrs
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Details of MoU Signed

Sl.No.	Name of the Company	Date
1	3Edge Solutions	16.06.2017
2	APT Training Solutions	19.05.2017
3	Gamma Process Hub	28.06.2017
4	LITE Academy	16.06.2017
5	Datalogics India Private Limited	16.06.2017
6	Soft Solutions 4 U	19.06.2017
7	Sparkle Soft Systems Private Limited	20.06.2017
8	Vega Intellisoft	19.06.2017
9	Ways Open Academy	23.06.2017

Impact Analysis:

- The feedback is collected from every student regarding Guest Lectures and Value Added Courses conducted.
- Corrective measures are taken by the department based on the feedback collected from the students.

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

Institute Marks : 15.00

Initiatives

- Industrial visit is a part of the professional courses, during which students visit companies and get insight on how companies work and also useful information related to the practical aspects of the course which cannot be visualized in lectures. With an aim to go content beyond curriculum, these visits are arranged to develop the insights of the students and to gain practical knowledge with their theoretical applications thereof.
- In-Plant training, Internship programmes and Industrial visits are conducted through various industries for the students. After the successful completion of training in industries, the students can apply the practical knowledge to find the right solutions with the minimum duration of time.

Details of Industrial Visits

- Industrial visits are arranged for students to various industries.
- A request letter is forwarded from the department to the industry seeking permission to visit the industry.
- After getting the approval, the students are taken to the industry along with faculty.
- After the completion of the visit, a report of the visit is collected from the students.

CAY : 2018 - 2019

Sl.No	Name of the Company Visited	Class	Date of Visit
1.	Industrial visit to BSNL, Tambaram, Chennai.	II	17-07-2018
2.	Industrial visit to BSNL, Tambaram, Chennai.	III	18-07-2018
3.	Industrial visit to KELTRON, Karakulam, Kerala.	IV	30-07-2018

CAY: 2017-2018

Sl.No	Name of the Company Visited	Class	Date of Visit
1.	Industrial visit to BSNL, Tambaram, Chennai	II	05-03-2018
2.	ISRO Sriharikota, AP.	III	02-03-2018
3.	Robotica and Automation, Guduvancheri, Tambaram.	III	07-03-2018
4.	Tanuja Aero Space Pvt Ltd, Bangalore.	IV	06-09-2017

CAY: 2016-2017

Sl. No	Name of the Company Visited	Class	Date of Visit
1.	Industrial visit to BSNL, Meenambakkam, Chennai.	II	25-10-2016
2.	Industrial visit to Dhoordharshan, Chennai.	III	27-09-2016
3.	Industrial visit to BSNL, Meenambakkam, Chennai.	IV	07-09-2016

Industrial Tours

Department of Electronics and Communication Engineering organize industrial visits for second, third and final year students in both odd and even semesters of an academic year. The industrial tours are arranged with the objective to provide students an insight regarding internal working of companies.

After each industrial visit, feedback will be collected from the students. Based on the feedback, the department will take further action which is required.

Internship Training

Internship training is offered by the companies during the end of the seventh semester for the placed students in their respective placed companies. The companies will give training to the students to bridge the gap between theoretical knowledge with the practical need of the industry. This training lasts for three to four months. Companies like ISRO, NITTTR are presently offering internship training to our students.

Impact Analysis

- The industrial trainings and tours helps the students to understand the principles and concepts taught in the class room clearly.
- It also enables the students to do Mini projects in the areas where they are equipped during the industrial training and tours.
- Feedback is collected from students after their Internships, In-Plant trainings and Industrial visits.
- Corrective measures are taken by the department based on the feedback collected from the students.
- The feedback is analyzed to find out the extent of attainment of COs - POs- PSOs.

Student Feedback on Initiative

INDUSTRIAL VISIT ON EYE OPEN TECHNOLOGIES EVALUATION FORM

Please complete and return to coordinator

In order to fulfill your meeting and educational needs, we would like to get your input about this and future meetings. Please help us by completing the following information.

1. Presentation Speaking Quality: ☐ Excellent ☐ Good ☐ Fair ☐ Poor

Comments:

2. Presentation Program Content: ☐ Excellent ☐ Good ☐ Fair ☐ Poor

Comments:

3. Was the program presentation beneficial to you? ☐ Yes ☐ No

Comments:

4. Did you receive the information you expected? ☐ Yes ☐ No

Comments:

5. Was sufficient time provided for the presentation? ☐ Yes ☐ No

Comments:

6. Meeting Site: ☐ Excellent ☐ Good ☐ Fair ☐ Poor

Comments:

7. SUGGESTIONS FOR FUTURE PRESENTATION TOPICS

8. SUGGESTIONS FOR FUTURE MEETING LOCATIONS

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

:

PSO1	An ability to understand the concepts of basic Electronics & Communication Engineering and to apply them to various areas like Signal processing, VLSI, Embedded systems, Communication Systems, Digital & Analog Devices, etc. services, multimedia, big data analytics and recent topics of varying complexity.
PSO2	An ability to solve complex Electronics and Communication Engineering problems, using latest hardware and software tools, along with analytical skills to arrive cost effective and appropriate solutions.
PSO3	Wisdom of social and environmental awareness along with ethical responsibility to have a successful career and to sustain passion and zeal for real-world applications using optimal resources as an Entrepreneur. successful entrepreneur and an urge for pursuing higher studies.

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

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

Course Name :	C2 05	Course Year :	2018-2019
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Items	2019-20
C2 05.1	Use digital electronics in the present contemporary world.
C2 05.2	Design various combinational digital circuits using logic gates.
C2 05.3	Do the analysis and design procedures for synchronous and asynchronous sequential circuits.
C2 05.4	Do the analysis and design procedures for asynchronous sequential circuits.
C2 05.5	Use the semiconductor memories and related technology.
C2 05.6	Use electronic circuits involved in the design of logic gates.

Course Name :	C2 11	Course Year :	2018-2019
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Items	2019-20
C2 11.1	Design and analyze feedback amplifiers.
C2 11.2	Analyze different types of amplifier, oscillator and multivibrator circuits.
C2 11.3	Design BJT amplifier and oscillator circuits.
C2 11.4	Design LC and RC oscillators, tuned amplifiers, wave shaping circuits, multivibrators, blocking oscillators and time base generators.
C2 11.5	Analyze performance of tuned amplifiers.
C2 11.6	Design multivibrators, blocking oscillators and time base Generators.

Course Name :	C3 01	Course Year :	2018-2019
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Items	2019-20
C3 01.1	Design PCM systems.
C3 01.2	Design and Implement Base Band Transmission Scheme.
C3 01.3	Design and Implement Passband Transmission Scheme.
C3 01.4	Analyze the spectral characteristics of band pass signalling schemes.
C3 01.5	Analyze the spectral characteristics of noise performance.
C3 01.6	Design error control coding schemes.

Course Name :	C3 13	Course Year :	2018-2019
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Items	2019-20
C3 13.1	Understand the fundamentals of radiation parameters of Antenna.

C3 13.2	Analyze various types of Aperture Antennas.
C3 13.3	Design of Antenna arrays.
C3 13.4	Understand the principles behind the special antennas.
C3 13.5	Understand the principles behind the special antenna measurements.
C3 13.6	Understand the various factors that influence the propagation of radio waves.

Course Name :	C4 01	Course Year :	2018-2019
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Items	2019-20
C4 01.1	Students will be able to explain the active and passive microwave devices and components used in Microwave Communication Systems.
C4 01.2	The students will be able to analyze the multiport RF networks and RF transistor amplifiers.
C4 01.3	The students will be able to generate Microwave signals.
C4 01.4	The students will be able to design Microwave amplifiers.
C4 01.5	The students will be able to measure microwave signals and parameters.
C4 01.6	The students will be able to design and analyze the RF networks and their applications.

Course Name :	C4 10	Course Year :	2018-2019
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Items	2019-20
C4 10.1	Conversant with the latest 3G/4G networks and its architecture.
C4 10.2	Conversant with the latest WiMax and its architecture.
C4 10.3	Design and implement wireless network environment for any application using latest wireless protocols and standards.

C4	10.4	Implement different type of applications for smart phones and mobile devices with latest network strategies.
C4	10.5	Implement MIMO Standards to Networks.
C4	10.6	Implement SDR to Networks.

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 : C205

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C205.1	1 ▼	1 ▼	- ▼	- ▼	2 ▼	2 ▼	- ▼	- ▼	2 ▼	1 ▼	- ▼	2 ▼
C205.2	1 ▼	1 ▼	2 ▼	1 ▼	- ▼	2 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	2 ▼
C205.3	1 ▼	1 ▼	2 ▼	2 ▼	- ▼	2 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	2 ▼
C205.4	1 ▼	1 ▼	2 ▼	1 ▼	- ▼	2 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	2 ▼
C205.5	1 ▼	1 ▼	1 ▼	1 ▼	2 ▼	- ▼	- ▼	- ▼	1 ▼	- ▼	- ▼	2 ▼
C205.6	1 ▼	1 ▼	1 ▼	1 ▼	2 ▼	- ▼	- ▼	- ▼	1 ▼	- ▼	- ▼	2 ▼
Average	1	1	1.6	1.2	2	2			1.33	1		2

2 . course name : C211

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C211.1	3 ▼	3 ▼	- ▼	1 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼
C211.2	3 ▼	3 ▼	- ▼	1 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼
C211.3	3 ▼	3 ▼	- ▼	1 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼

C211.4	3 ▼	3 ▼	- ▼	2 ▼	1 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼
C211.5	3 ▼	3 ▼	- ▼	3 ▼	1 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼
C211.6	3 ▼	3 ▼	- ▼	3 ▼	1 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼
Average	3	3		1.83	1							

3 . course name : C301

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C301.1	2 ▼	2 ▼	2 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	1 ▼
C301.2	- ▼	- ▼	3 ▼	2 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	1 ▼	- ▼	2 ▼
C301.3	2 ▼	2 ▼	2 ▼	1 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	1 ▼
C301.4	- ▼	- ▼	2 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	2 ▼
C301.5	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	3 ▼
C301.6	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	3 ▼
Average	2	2	2.25	1.5						1		2

4 . course name : C313

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C313.1	3 ▼	3 ▼	3 ▼	2 ▼	2 ▼	1 ▼	1 ▼	- ▼	- ▼	1 ▼	1 ▼	3 ▼
C313.2	3 ▼	3 ▼	3 ▼	2 ▼	2 ▼	2 ▼	1 ▼	- ▼	- ▼	1 ▼	1 ▼	2 ▼
C313.3	2 ▼	2 ▼	3 ▼	2 ▼	2 ▼	1 ▼	1 ▼	- ▼	- ▼	1 ▼	1 ▼	1 ▼
C313.4	2 ▼	2 ▼	2 ▼	2 ▼	2 ▼	1 ▼	1 ▼	- ▼	- ▼	1 ▼	1 ▼	1 ▼

C313.5	3 ▼	3 ▼	3 ▼	2 ▼	2 ▼	2 ▼	1 ▼	- ▼	- ▼	1 ▼	1 ▼	2 ▼
C313.6	3 ▼	3 ▼	3 ▼	2 ▼	2 ▼	2 ▼	1 ▼	- ▼	- ▼	1 ▼	1 ▼	2 ▼
Average	2.67	2.67	2.83	2	2	1.5	1			1	1	1.83

5 . course name : C401

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C401.1	2 ▼	2 ▼	2 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	1 ▼
C401.2	1 ▼	1 ▼	1 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	1 ▼
C401.3	1 ▼	1 ▼	1 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	1 ▼
C401.4	1 ▼	1 ▼	1 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	1 ▼
C401.5	1 ▼	1 ▼	1 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	1 ▼
C401.6	1 ▼	1 ▼	1 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	1 ▼
Average	1.17	1.17	1.17									1

6 . course name : C410

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C410.1	2 ▼	2 ▼	2 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	2 ▼
C410.2	1 ▼	1 ▼	3 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	2 ▼
C410.3	2 ▼	2 ▼	2 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	2 ▼
C410.4	1 ▼	1 ▼	2 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	2 ▼
C410.5	1 ▼	1 ▼	2 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	2 ▼

C410.6	1 ▼	1 ▼	2 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	2 ▼
Average	1.33	1.33	2.17									2

1 . Course Name : C205

Course	PSO1	PSO2	PSO3
C205.1	3 ▼	- ▼	2 ▼
C205.2	3 ▼	3 ▼	- ▼
C205.3	3 ▼	3 ▼	- ▼
C205.4	3 ▼	1 ▼	- ▼
C205.5	3 ▼	2 ▼	- ▼
C205.6	3 ▼	2 ▼	- ▼
Average	3	2.2	2

2 . Course Name : C211

Course	PSO1	PSO2	PSO3
C211.1	3 ▼	- ▼	- ▼
C211.2	3 ▼	- ▼	- ▼
C211.3	3 ▼	- ▼	- ▼
C211.4	3 ▼	- ▼	- ▼
C211.5	3 ▼	- ▼	- ▼
C211.6	3 ▼	- ▼	- ▼

Average	3		
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3 . Course Name : C301

Course	PSO1	PSO2	PSO3
C301.1	3 ▼	1 ▼	- ▼
C301.2	3 ▼	3 ▼	- ▼
C301.3	3 ▼	2 ▼	- ▼
C301.4	2 ▼	3 ▼	- ▼
C301.5	3 ▼	2 ▼	- ▼
C301.6	3 ▼	2 ▼	- ▼
Average	2.83	2.17	

4 . Course Name : C313

Course	PSO1	PSO2	PSO3
C313.1	3 ▼	2 ▼	1 ▼
C313.2	3 ▼	2 ▼	1 ▼
C313.3	3 ▼	2 ▼	1 ▼
C313.4	3 ▼	2 ▼	1 ▼
C313.5	3 ▼	2 ▼	1 ▼
C313.6	3 ▼	2 ▼	1 ▼
Average	3	2	1

5 . Course Name : C401

Course	PSO1	PSO2	PSO3
C401.1	2 ▼	1 ▼	- ▼
C401.2	1 ▼	1 ▼	- ▼
C401.3	1 ▼	1 ▼	- ▼
C401.4	1 ▼	1 ▼	- ▼
C401.5	1 ▼	1 ▼	- ▼
C401.6	1 ▼	1 ▼	- ▼
Average	1.17	1	

6 . Course Name : C410

Course	PSO1	PSO2	PSO3
C410.1	1 ▼	- ▼	- ▼
C410.2	2 ▼	1 ▼	- ▼
C410.3	2 ▼	1 ▼	1 ▼
C410.4	1 ▼	1 ▼	1 ▼
C410.5	1 ▼	1 ▼	- ▼
C410.6	1 ▼	1 ▼	- ▼
Average	1.33	1	1

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	3	3	1	0	1	1	1	1	1	0	0	0
C102	3	2	0	0	1	0	0	2	1	0	0	1
C103	3	2	1	0	0	0	1	1	1	0	0	2
C104	3	3	2	2	2	0	0	1	0	0	0	2
C105	2.8	1.4	2.2	0	0	0	0	0	0	0	0	2
C106	3	3	3	2	2	1	1	1	2	0	0	2
C107	2	3	2	0	3	2	1	1	1	0	1	1
C108	3	3	3	3	3	2	0	0	0	3	0	1
C109	3	3	3	3	3	2	0	0	0	3	0	1
C110	3	3	3	3	3	0	0	0	0	3	0	1
C111	3	1	1.4	1	0.8	1.6	0	0	0.6	0.2	0	2
C112	3	3	3	3	3	2	0	0	0	3	0	1
C113	3	2	1.2	0	0	0	0	0	0	0	0	1
C114	3	2	2	3	0	1	1	1	1	1	0	0
C115	3	3	1	0	1	1	1	1	1	0	0	0
C116	3	1	1.4	1	0.8	1.6	0	0	0.6	0.2	0	2
C201	3	2	2	3	0	1	2	1	1	0	0	2
C202	3	3	0.2	3	2.4	1.2	0.2	0	0	0	0	0
C203	0	3	0	1.6	0.4	0	0	0	0	0	0	0
C204	3	3	3	1.6	0	0	0	0	0	0	0	1

C205	3	3	3	2.2	3	1	2	0	0	0	0	0
C206	3	2	3	3	2	1	1	1	1	0	1	1
C207	2	1.2	1.2	0	0	0	0	0	0	0	0	1
C208	2.2	0.8	1.8	0.6	0	0	0	0	0	0.2	0	1.8
C209	3	3	2	2	2	0	0	0	0	0	0	2
C210	1	1	2	0	0	2	1	1	0	0	0	1
C211	2	1	2	3	3	1	1	1	1	0	1	1
C212	3	3	3	2	3	1	2	0	0	0	0	0
C213	2	3	3	2	2	1	0	0	1	3	0	2
C214	3	3	2	2	2	0	0	0	0	0	0	2
C215	3	2	2	2	2	1	2	0	0	1	1	2
C216	2	2	1	1	0	2	2	2	1	0	2	2
C217	3	2	1	1	1	1	1	0	0	0	1	0
C301	2	3	2	0	3	2	1	1	1	0	1	1
C302	3	2	1	1	1	1	1	0	1	0	0	1
C303	3	2	1	1	1	1	1	0	1	0	0	1
C304	2	2	2	2	1	2	2	1	0	1	1	2
C305	3	3	3	2	1	1	1	0	1	0	0	1
C306	2	2	3	2	1	1	2	1	0	1	1	2
C307	3	1	2	2	1	2	1	1	1	0	1	1
C308	3	3	3	3	1	1	1	2	2	0	0	1

C309	2	2	3	2	1	1	2	1	0	1	1	2
C310	2	2	1	2	2	2	2	1	1	1	2	2
C311	0	0	3	1	1	3	3	1	1	1	0	2
C312	1	1	3	1	0	3	3	3	0	3	0	1
C313	1	0	0.2	0.2	0	0.4	0.4	0.6	1	1.2	0	0
C314	2	2	3	0	0	0	0	2	1	0	0	1
C315	3	3	2	1	1	0	0	2	1	0	0	1
C316	2	3	0	0	0	0	0	2	1	0	0	1
C317	3	3	3	2	1	2	0	0	0	2	0	2
C401	3	2	2	2	2	1	1	1	1	0	0	1
C402	0	0	0	0	0	0	0	2	3	3	0	3
C403	2	3	0	0	0	0	0	2	1	0	0	1
C404	0	0	0	0	1	1	0	1	0	3	3	3
C405	3	3	2	2	1	0	0	2	1	0	0	1
C406	0	0	0	0	0	0	0	2	3	3	0	3
C407	3	0	0	0	0	3	3	3	0	0	0	0
C408	3	0	3	0	0	0	0	2	3	3	0	3
C409	1	1	2	1	1	2	1	3	2	2	3	1
C410	2	2	3	1	0	0	2	0	1	3	0	2
C411	3	3	0	0	0	1	0	2	1	0	0	2
C412	3	2	2	2	0	0	0	2	1	0	0	1

C413	3	2	2	2	1	0	0	1	2	0	0	0
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3.1.3 - B Program level Course-PSO matrix of all courses INCLUDING first year courses

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Course	PSO1	PSO2	PSO3
C101	0	0	0
C102	0	2	0
C103	0	3	1
C104	0	1	0
C105	2	2	0
C106	0	0	0
C107	2	2	0
C108	0	3	0
C109	0	0	0
C110	0	2	0
C111	2	2	0
C112	0	2	0
C113	1	2	1
C114	2	3	0
C115	2	3	1
C116	1	2	1
C201	1	2	0
C202	0	2	2

C203	3	2	0
C204	3	2	2
C205	3	3	1
C206	2	2	0
C207	0	2	2
C208	2	3	1
C209	0	0	0
C210	2	1	0
C211	3	2	0
C212	3	1	3
C213	2	3	0
C214	2	2	0
C215	0	0	0
C216	3	2	0
C217	2	2	0
C301	2	2	1
C302	3	2	1
C303	0	3	0
C304	2	1	2
C305	0	0	0
C306	0	0	0

C307	2	2	1
C308	2	2	1
C309	2	1	2
C310	2	3	2
C311	2	2	1
C312	2	1	2
C313	0	0	0
C314	2	2	1
C315	2	2	1
C316	2	3	2
C317	2	2	1
C401	2	2	0
C402	2	2	1
C403	3	3	1
C404	2	2	2
C405	2	2	1
C406	0	0	0
C407	3	3	1
C408	2	2	0
C409	0	0	0
C410	3	3	2

C411	3	3	3
C412	3	2	0
C413	3	3	3

3.2 Attainment of Course Outcomes (50)

Total Marks 50.00

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

Institute Marks : 10.00

ASSESSMENT PROCESS	EVALUATION	FREQUENCY
DIRECT ASSESSMENT		
THEORY		
Class tests	Class tests are conducted every day during 1 st hour for 25 marks for the attainment of all CO's.	Weekly once for each subject
Continuous Assessment Tests	Three continuous assessment tests and one model exam will be conducted. All the exams are conducted for 100 marks for a duration of 3 Hrs for the attainment of all CO's..	Thrice in a semester
End Semester Examination	Will be conducted as per Anna University schedule for the attainment of all CO's..	Once in a semester
Assignments	Three assignments will be given for each subject for the attainment of CO's..	Minimum of three per semester
LABORATORY		
Model Exam	Lab model exam will be conducted after completion of all the experiments for 100 marks for a duration of 3 Hrs for the attainment of CO's.	Once in a semester
End Semester Examination	Will be conducted as per Anna University schedule for the attainment of CO's.	Once in a semester
PROJECT WORK		

Final Year Projects	Students will be divided into groups, wherein each group will have a maximum of 3 to 4 students. Every group will be mentored by a faculty. Four reviews will be conducted and the students will be reviewed by a panel of Professors for the attainment of PO's and PSO's.	Once during final year
OTHERS		
Tutorials	Extra tutorial hours will be allotted in the timetable and more case studies will be given for the students to work out. Every week an hour will be allocated for tutorials wherein the faculty will make the students solve more problems for the attainment of PO's and PSO's.	15 sessions for subjects with tutorial as per curriculum

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

Institute Marks : 40.00

The attainment of Course outcome is evaluated under two categories – University Examination and Internal Assessment.

University Examination

For University assessment the target is fixed based on the following criteria.

- Attainment Level 1: <50% of students scoring more than Class Average in the University Examination.
- Attainment Level 2: 50%- 60% of students scoring more than Class Average in the University Examination.
- Attainment Level 3: >60% of students scoring more than Class Average in the University Examination.

Internal Assessment

For Internal Assessment, the target is fixed based on summative manner i.e., by considering course performance through Internal Assessment Tests, Assignments, Seminars, Quiz, Surprise test and Project reviews based on the need as described Instructor.

For Internal Assessment, the target is fixed based on the following criteria.

- Attainment Level 1: <50% of students scoring more than Class Average in Internal Assessment Test.
- Attainment Level 2: 50% -60% of students scoring more than Class Average in Internal Assessment Test.
- Attainment Level 3: >60% of students scoring more than Class Average in Internal Assessment Test.

S.No	Course Code	University Exam Attainment	Internal Exam Attainment	Total Attainment
------	-------------	----------------------------	--------------------------	------------------

1	C101	2.4	0.6	3
2	C102	2.4	0.4	2.8
3	C103	2.4	0.2	2.6
4	C104	2.4	0.6	3
5	C105	1.6	0.6	2.2
6	C106	2.4	0.6	3
7	C107	0.8	0.2	1
8	C108	2.4	0.6	3
10	C109	2.4	0.4	2.8
11	C110	2.4	0.6	3
12	C111	2.4	0.4	2.8
13	C112	1.6	0.6	2.2
14	C113	2.4	0.4	2.8
15	C114	2.4	0.2	2.6
16	C115	2.4	0.4	2.8
17	C116	1.6	0.4	2
18	C201	2.4	0.4	2.8
19	C202	2.4	0.6	3
20	C203	2.4	0.6	3
21	C204	0.8	0.4	1.2
22	C205	1.6	0.4	2
23	C206	2.4	0.4	2.8
24	C207	1.2	0.6	1.8

25	C208	0.8	0.4	1.2
26	C209	2.4	0.4	2.8
27	C210	2.4	0.6	3
28	C211	2.4	0.2	2.6
29	C212	2.4	0.4	2.8
30	C213	2.4	0.4	2.8
31	C214	1.6	0.4	2
32	C215	0.8	0.8	1.6
33	C216	2.4	0.4	2.8
34	C217	1.6	0.4	2
35	C301	2.4	0.4	2.8
36	C302	2.4	0.4	2.8
37	C303	2.4	0.4	2.8
38	C304	2.4	0.6	3
39	C305	2.4	0.4	2.8
40	C306	1.6	0.2	1.8
41	C307	2.4	0.2	2.6
42	C308	1.6	0.2	0.8
43	C309	2.4	0.4	2.8
44	C310	2.4	0.2	2.6
45	C311	2.4	0.2	2.6
46	C312	2.4	0.4	2.8
47	C313	2.4	0.6	3

48	C314	2.2	0.2	2.6
49	C315	2.4	0.4	2.8
50	C316	2.2	0.6	2.8
51	C317	1.6	0.2	0.8
52	C401	2.4	0.4	2.8
53	C402	2.4	0.2	2.6
54	C403	2.4	0.4	2.8
55	C404	2.4	0.4	2.8
56	C405	2.4	0.2	2.6
57	C406	2.4	0.6	3
58	C407	1.6	0.2	1.8
59	C408	1.8	0.2	2.0
60	C409	2.4	0.4	2.8
61	C410	2.4	0.2	2.6
62	C411	2.4	0.4	2.8
63	C412	2.4	0.6	3
64	C413	2.4	0.2	2.6

3.3 Attainment of Program Outcomes and Program Specific Outcomes (50)

Total Marks 50.00

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

ASSESSMENT PROCESS	EVALUATION	FREQUENCY
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DIRECT ASSESSMENT**THEORY**

Class tests	Class tests are conducted every day during 1 st hour for 20 marks for the attainment of all CO's.	Weekly once for each subject
Continuous Assessment tests	Three Continuous Assessment Test and one model exam will be conducted for 100 marks for a duration of 3 Hrs for the attainment of all COs.	Thrice in a semester
End Semester Examination	Will be conducted as per Anna University schedule for the attainment of all CO's.	Once in a semester
Assignments	Three assignments will be given for each subject for the attainment of CO's.	Minimum of three per semester

LABORATORY

Model Exam	Lab model exam will be conducted after completion of all the experiments for 100 marks for a duration of 3 Hrs for the attainment of COS	Once in a semester
End Semester Examination	Lab model exam will be conducted after completion of all the experiments for 100 marks for a duration of 3 Hrs for the attainment of CO's.	Once in a semester

PROJECT WORK

Final Year Projects	Students will be divided into groups, wherein each group will have a maximum of 4 students. Every group will be mentored by a faculty. Four reviews will be conducted and the students will be reviewed by a panel of Professors for the attainment of PO's and PSO's.	Once during final year
OTHERS		
Publications	The final year project groups with the guidance of their supervisor should publish their work in any conference or journal for the attainment of PO5, PO10, PO11 and PSO's.	Minimum one publication during final year
Workshops Attended	Students participate in internal/external workshops conducted for the attainment of PO5, PO10, PO11 and PSO's.	Once in a year
Conferences Attended	Students participate in internal/external Conferences conducted for the attainment of PO5, PO10, PO11 and PSO's.	Once in a year
Industrial Visits	Students participate in industrial visits organized by the department for the attainment of PO5, PO10, PO11 and PSO's.	Twice in a semester
Inplant Training	Students are certified after completion of the training in industry for the attainment of PO5, PO10, PO11 and PSO's.	Twice in four years
Value Added Courses	Students are certified after completion of the course in each semester for the attainment of PO5, PO10, PO11 and PSO's.	once in a semester
Placement and soft skill training	Test will be conducted after completion of the course in each semester for the attainment of PO5, PO10, PO11 and PSO's.	Twice in a semester

Tutorials	Extra Tutorial classes are conducted in the time table and more case studies are given for students to work out. every week an hour is allocated for tutorials wherein the faculty would make the students solve extra problems for the attainment of POs and PSOs.	15 sessions for subjects with tutorial as per curriculum
Seminars	Students will be divided into groups. Each group will be assigned a technical topic for the attainment of PO5, PO10, PO11 and PSO's.	Twice in a month
Online tests	From 7 th semester, the students will take up online tests on different topics for placement preparation. The tests will be conducted after college hours for the attainment of PO5, PO10, PO11 and PSO's.	7 to 10 online tests in 7 th semester
Mock Interview	From 7 th semester, the students will attend mock interviews conducted by our faculty on different subjects for placement preparation. The mock interviews will be conducted after college hours for the attainment of PO5, PO10, PO11 and PSO's.	7 to 10 mock interviews in 7 th semester
INDIRECT ASSESSMENT		
Alumni survey	Get the feedback from the Alumni for the improvement of infrastructure, library facilities, placement activities and industry-institute interaction for the attainment of all PEO's.	Once in a year
STUDENT FEEDBACK		

Mid Semester	Get the feedback after a month from the Start of the semester to improve teaching-learning process for the attainment of all PO's and PSO's.	Once in a semester
End Semester	Get the feedback after syllabus completion to improve teaching-learning process for the attainment of all PO's and PSO's.	Once in a semester
Parent Feedback	Get the feedback from the parents during the orientation programme for the improvement of the student performance and conduct for the attainment of all PO's and PSO's.	Once during the orientation programme and as and when needed
Student Entry survey	Get the expectations from the students during the orientation programme to know their requirements for the their improvement for the attainment of all PO's and PSO's.	Once during the orientation programme
Student Exit survey	Get the feedback from the students after their course completion for the betterment of the department for the attainment of all PO's and PSO's.	Once after course completion
Industry feedback	Get the feedback from the industry to know the gaps to be filled to improve our students' skill and placement count for the attainment of all PEO's.	After every campus drive, guest lecture, workshop and seminar
Ranking	Anna University ranks the department based on end semester examination results and university ranks secured for the attainment of all PO's and PSO's.	Once in a semester

Internationally/ Nationally normed exams	Various examinations (national and international level) like GATE, NET, CAT, GRE, IELTS, and TOEFL are taken into consideration for students' performance .	As and when the exams are conducted and also on students' readiness
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CO-PSO attainment

COURSE	PSO1	PSO2	PSO3
C101	0	0	0
C102	0	2	0
C103	0	3	1
C104	0	1	0
C105	2	2	0
C106	0	0	0
C107	2	2	0
C108	0	3	0
C109	0	0	0
C110	0	2	0
C111	2	2	0
C112	0	2	0
C113	1	2	1
C114	2	3	0
C115	2	3	1
C116	1	2	1
C201	1	2	0

C202	0	2	2
C203	3	2	0
C204	3	2	2
C205	3	3	1
C206	2	2	0
C207	0	2	2
C208	2	3	1
C209	0	0	0
C210	2	1	0
C211	3	2	0
C212	3	1	3
C213	2	3	0
C214	2	2	0
C215	0	0	0
C216	3	2	0
C217	2	2	0
C301	2	2	1
C302	3	2	1
C303	0	3	0
C304	2	1	2
C305	0	0	0
C306	0	0	0
C307	2	2	1

C308	2	2	1
C309	2	1	2
C310	2	3	2
C311	2	2	1
C312	2	1	2
C313	0	0	0
C314	2	2	1
C315	2	2	1
C316	2	3	2
C317	2	2	1
C401	2	2	0
C402	2	2	1
C403	3	3	1
C404	2	2	2
C405	2	2	1
C406	0	0	0
C407	3	3	1
C408	2	2	0
C409	0	0	0
C410	3	3	2
C411	3	3	3
C412	3	2	0
C413	3	3	3

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	3	3	1	0	1	1	1	1	1	0	0	0
C102	3	2	0	0	1	0	0	2	1	0	0	1
C103	3	2	1	0	0	0	1	1	1	0	0	2
C104	2.8	3	1.6	2	2	0	0	1	0	0	0	2
C105	2.6	1.4	2	0	0	0	0	0	0	0	0	2
C106	3	3	2.8	1.8	2	0.8	1	1	2	0	0	1.8
C107	2	2.8	2	0	3	2	1	1	1	0	1	1
C108	3	3	3	2.8	3	1.6	0	0	0	3	0	1
C109	3	3	2.8	3	2.8	0	0	0	0	3	0	1
C110	3	2.8	3	3	3	0	0	0	0	3	0	1
C111	3	1	1.4	1	1	1.6	0	0	0.6	0.2	0	2
C112	3	3	3	2.8	3	1.8	0	0	0	3	0	1
C113	3	2	1.2	0	0	0	0	0	0	0	0	1
C114	3	2	2	3	0	0.8	1	1	1	1	0	0
C115	3	2.8	1	0	1	1	0.8	1	1	0	0	0
C116	3	1	1.4	1	1	2.8	0	0	0.6	0.2	0	2
C201	3	1.8	2	3	0	1	2	0.8	1	0	0	2

C202	3	3	0.2	3	2.4	1.4	0.2	0	0	0	0	0
C203	0	2.8	0	1.8	0.4	0	0	0	0	0	0	0
C204	3	2.8	3	1.6	0	0	0	00	0	0	0	1
C205	3	3	3	2.4	3	1	1.8	0	0	0	0	0
C206	3	1.8	3	3	2	1	1	1	1	0	1	1
C207	2	1.2	1.2	0	0	0	0	0	0	0	0	1
C208	2.2	0.8	1.6	0.6	0	0	0	0	0	0.2	0	1.8
C209	3	3	2	2	2	0	0	0	0	0	0	2
C210	1	1	2	0	0	2	1	1	0	0	0	1
C211	2	1	1.8	3	2.8	1	1	0.8	1	0	1	1
C212	3	2.8	3	2	3	1	2	0	0	0	0	0
C213	2	2.8	3	2	2	1	0	0	1	2.8	0	1.8
C214	3	3	2	2	1.8	0	0	0	0	0	0	2
C215	3	2	2	2	2	1	1.8	0	0	1	1	1.8
C216	2	2	1	1	0	1.8	2	2	1	0	2	2
C217	3	2	0.8	1	1	1	1	0	0	0	1	0
C301	2	3	1.8	0	3	2	1	1	1	0	1	1
C302	3	2	1	1	0.8	1	1	0	1	0	0	1
C303	3	2	1	1	0.8	1	1	0	1	0	0	1
C304	2	2	2	2	1	1.8	2	1	0	1	1	2
C305	3	3	3	2	1	1	1	0	1	0	0	1
C306	2	2	3	2	1	1	2	1	0	1	1	2
C307	3	1	2	2	1	2	0.8	1	1	0	1	1

C308	3	3	2.8	3	1	1	1	2	2	0	0	1
C309	2	2	2.8	2	1	1	2	1	0	1	1	2
C310	2	2	1	2	2	2	1.8	1	1	1	2	1.8
C311	0	0	3	1	1	3	2.8	1	1	1	0	2
C312	1	1	3	1	0	3	3	2.8	0	3	0	1
C313	1	0	0.2	0.2	0	0.4	0.4	0.6	1	1.2	0	0
C314	2	2	3	0	0	0	0	2	1	0	0	1
C315	3	3	2	1	1	0	0	2	1.8	0	0	1
C316	2	3	0	0	0	0	0	2	1	0	0	1
C317	3	2.8	3	2	1	2	0	0	0	2	0	1.8
C401	3	2	2	2	2	1	0.8	1	1	0	0	1
C402	0	0	0	0	0	0	0	2	3	3	0	3
C403	2	3	0	0	0	0	0	2	1	0	0	1
C404	0	0	0	0	1	1	0	1	0	3	3	3
C405	3	2.8	2	2	1	0	0	2	1	0	0	1
C406	0	0	0	0	0	0	0	2	3	3	0	3
C407	3	0	0	0	0	3	3	3	0	0	0	0
C408	3	0	3	0	0	0	0	2	3	3	0	3
C409	1	1	1.8	1	1	2	1	3	2	2	3	1
C410	2	2	3	1	0	0	2	0	1	3	0	2
C411	3	2.8	0	0	0	1	0	2	1	0	0	2
C412	3	2	2	2	0	0	0	2	1	0	0	1
C413	3	2	2	2	1	0	0	1	2	0	0	0

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO Attainment	2.57	2.29	2.14	2.00	1.80	1.63	1.59	1.69	1.49	2.01	1.64	1.43
Direct Attainment	2.60	2.25	2.06	1.89	1.65	1.46	1.4	1.44	1.27	1.9	1.43	1.53
InDirect Attainment	2.47	2.45	2.44	2.42	2.42	2.33	2.37	2.71	2.38	2.46	2.46	1.04

PSO Attainment

Course	PSO1	PSO2	PSO3
c101	0	0	0
c102	0	2	0
c103	0	3	1
c104	0	1	0
c105	2	2	0
c106	0	0	0
c107	2	2	0
c108	0	3	0
c109	0	0	0
c110	0	2	0
c111	2	2	0
c112	0	2	0
c113	1	2	1
c114	2	3	0

c115	2	3	1
c116	1	2	1
c201	1	2	0
c202	0	2	2
c203	3	2	0
c204	3	2	2
c205	3	3	1
c206	2	2	0
c207	0	2	2
c208	2	3	1
c209	0	0	0
c210	2	1	0
c211	3	2	0
c212	3	1	3
c213	2	3	0
c214	2	2	0
c215	0	0	0
c216	3	2	0
c217	2	2	0
c301	2	2	1
c302	3	2	1
c303	0	3	0
c304	2	1	2

c305	0	0	0
c306	0	0	0
c307	2	2	1
c308	2	2	1
c309	2	1	2
c310	2	3	2
c311	2	2	1
c312	2	1	2
c313	0	0	0
c314	2	2	1
c315	2	2	1
c316	2	3	2
c317	2	2	1
c401	2	2	0
c402	2	2	1
c403	3	3	1
c404	2	2	2
c405	2	2	1
c406	0	0	0
c407	3	3	1
c408	2	2	0
c409	0	0	0
c410	3	3	2

c411	3	3	3
c412	3	2	0
c413	3	3	3

PSO Attainment Level

Course	PSO1	PSO2	PSO3
CO Attainment	2.23	2.16	1.52
Direct Attainment	2.23	2.17	1.52
InDirect Attainment	2.23	2.10	1.5

4 STUDENTS' PERFORMANCE (150)

Total Marks 71.21

:

Table 4.1

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2019-20 (CAY)	2018-19 (CAYm1)	2017-18 (CAYm2)	2016-17 (CAYm3)	2015-16 (CAYm4)	2014-15 (CAYm5)	2013-14 (CAYm6)
Sanctioned intake of the program(N)	120	120	120	120	120	120	120
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)	28	72	114	68	90	92	60
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	0	3	3	7	2	3	4
Separate division students, If applicable (N3)	0	0	0	1	1	2	0
Total number of students admitted in the programme(N1 + N2 + N3)	28	75	117	76	93	97	64

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
2019-20 (CAY)	28	0	0	0	0
2018-19 (CAYm1)	75	25	0	0	0
2017-18 (CAYm2)	117	41	20	0	0
2016-17 (CAYm3)	76	20	11	9	0
2015-16 (LYG)	93	31	27	19	14
2014-15 (LYGm1)	97	40	26	24	22
2013-14 (LYGm2)	64	23	15	10	9

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
2019-20 (CAY)	28	0	0	0	0
2018-19 (CAYm1)	75	25	0	0	0
2017-18 (CAYm2)	117	47	23	0	0
2016-17 (CAYm3)	76	32	24	15	0
2015-16 (LYG)	93	68	66	55	36
2014-15 (LYGm1)	97	75	71	68	68
2013-14 (LYGm2)	64	51	46	46	45

4.1 Enrolment Ratio (20)

Total Marks 12.00

Institute Marks : 12.00

	N (From Table 4.1)	N1 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2019-20 (CAY)	120	28	23.33
2018-19 (CAYm1)	120	72	60.00
2017-18 (CAYm2)	120	114	95.00

Average [(ER1 + ER2 + ER3) / 3] : 59.44

Assessment : 12.00

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

Total Marks 13.20

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

Institute Marks : 4.25

Item	Latest Year of Graduation, LYG (2015-16)	Latest Year of Graduation minus 1, LYGm1 (2014-15)	Latest Year of Graduation minus 2 LYGm2 (2013-14)
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and seperated division, if applicable	93.00	97.00	64.00
Y Number of students who have graduated without backlogs in the stipulated period	14.00	22.00	9.00
Success Index [$SI = Y / X$]	0.15	0.23	0.14

Average SI [$(SI1 + SI2 + SI3) / 3$] : 0.17Assessment [$25 * \text{Average SI}$] : 4.25**4.2.2 Success rate in stipulated period (15)**

Institute Marks : 8.95

Item	Latest Year of Graduation, LYG (2015-16)	Latest Year of Graduation minus 1, LYGm1 (2014-15)	Latest Year of Graduation minus 2 LYGm2 (2013-14)
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and seperated division, if applicable	93.00	97.00	64.00
Y Number of students who have graduated in the stipulated period	36.00	68.00	45.00
Success Index [$SI = Y / X$]	0.39	0.70	0.70

Average SI [$(SI1 + SI2 + SI3) / 3$]: 0.60

Assessment [15 * Average SI] : 8.95

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 8.56

Institute Marks : 8.56

Academic Performance	CAYm3 (2016-17)	LYG (2015-16)	LYGm1 (2014-15)
Mean of CGPA or mean percentage of all successful students(X)	7.38	7.13	6.87
Total number of successful students(Y)	15.00	55.00	68.00
Total number of students appeared in the examination(Z)	24.00	66.00	71.00
API [$X \cdot (Y/Z)$]:	4.61	5.94	6.58

Average API [(AP1 + AP2 + AP3)/3] : 5.71

Assessment [1.5 * AverageAPI] : 8.56

4.4 Academic Performance in Second Year (15)

Total Marks 6.85

Institute Marks : 6.85

Academic Performance	CAYm2 (2017-18)	CAYm3 (2016-17)	LYG (2015-16)
Mean of CGPA or mean percentage of all successful students(X)	7.36	6.89	6.65
Total number of successful students (Y)	23.00	24.00	66.00
Total number of students appeared in the examination (Z)	50.00	40.00	71.00
API [$X \cdot (Y/Z)$]	3.39	4.13	6.18

Average API [(AP1 + AP2 + AP3)/3] : 4.57

Assessment [1.5 * AverageAPI] : 6.85

4.5 Placement, Higher Studies and Entrepreneurship (40)

Total Marks 15.60

Item	LYG (2015-16)	LYGm1 (2014-15)	LYGm2 (2013-14)
Total No of Final Year Students(N)	55.00	68.00	46.00
No of students placed in the companies or government sector(X)	40.00	30.00	0.00
No of students admitted to higher studies with valid qualifying scores(GATE or equivalent State or National Level tests, GRE, GMAT etc.) (Y)	0.00	0.00	0.00
No of students turned entrepreneur in engineering/technology (Z)	0.00	0.00	0.00
$x + y + z =$	40.00	30.00	0.00
Placement Index $[(X+Y+Z)/N]$:	0.73	0.44	0.00

Average Placement $[(P1 + P2 + P3)/3]$: 0.39

Assessment $[40 * \text{Average Placement}]$: 15.60

Program Name : Computer Science & Engg.

Assessment Year Name : CAYm1

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	ANSHAA B	150161	TECH MAHINDRA	TM/15/141
2	ARUNKUMAR K	150162	TECH MAHINDRA	TM/15/142
3	CHAKRAVARTHY M	150163	TECH MAHINDRA	TM/15/143
4	DIVYA BHARATHI G	150164	TECH MAHINDRA	TM/15/144
5	JANANI P	150165	TECH MAHINDRA	TM/15/145
6	JAYA MANIKANDAN R	150601	SUTHERLAND	SL/15/101
7	JAYAKUMAR S	150602	SUTHERLAND	SL/15/102
8	KALAIVANI K	150603	SUTHERLAND	SL/15/103

9	KOKILA B	150604	SUTHERLAND	SL/15/104
10	LEKA PRIYA J	150605	SUTHERLAND	SL/15/105
11	MARIA SHARMILA A	150701	HEXAWARE	HX/15/701
12	MOHAN C	150702	HEXAWARE	HX/15/702
13	MOHANAVALLI B	150703	HEXAWARE	HX/15/703
14	PREETHI L	150704	HEXAWARE	HX/15/704
15	PREETHI RANI K	150705	HEXAWARE	HX/15/705
16	PURUSHOTHAMAN T	150801	VPG	VG/15/101
17	RAVEENA C	150802	VPG	VG/15/102
18	REKHA A	150803	VPG	VG/15/103
19	SARANYA P	150804	VPG	VG/15/104
20	SARAVANAN D	150805	VPG	VG/15/105
21	SHANMATHI G	150166	TECH MAHINDRA	TM/15/146
22	SHARMITHRA S	150167	TECH MAHINDRA	TM/15/147
23	SIVABALAN M	150168	TECH MAHINDRA	TM/15/148
24	TAMILVINOTH B	150169	TECH MAHINDRA	TM/15/149
25	VIGNESH J	150170	TECH MAHINDRA	TM/15/150
26	VIGNESHWARI B	150806	VPG	VG/15/106
27	MADONNA B	150807	VPG	VG/15/107
28	SANKARI T	150808	VPG	VG/15/108
29	DINESH G	150809	VPG	VG/15/109
30	YOGANATHAN S	150810	VPG	VG/15/110

Assessment Year Name : CAYm2

No record exist(s)

Assessment Year Name : CAYm3

No record exist(s)

4.6 Professional Activities (20)

Total Marks 15.00

4.6.1 Professional societies/ chapters and organizing engineering events (5)

Institute Marks : 5.00

PROFESSIONALSOCIETIES/CHAPTERSANDORGANIZINGENGINEERINGEVENTS**CAY (2018-2019)**

S.NO	DATE	TOPIC	CHIEF GUESTS
1.	08.03.2019	One day seminar on “Women Self-Empowerment”	Mrs. Amity Sobi, Founder of Amity Education Foundation & Principal of Kidzdale Pre-Primary School, Chennai.

CAY (2018-2019)

S.NO	DATE	NAME OF THE ASSOCIATION	CHIEF GUESTS
1.	13.08.2019	One day seminar on “Internet of Things (IOT)”	Mr. S. Kalidas and Mr.Karthick, Corporate Trainer, If and for Endeavours, Chennai.
2.	03.08.2019	One day workshop on “Intellectual Property Rights”	Mr. D. ThiyagarajaGuptha, Asst. Controller of Patents and Designs, Patents Office, Guindy, Chennai.

3.	22.03.2019 to 23.03.2019	International Conference	Chief Guest Dr.Muaviyath Mohammed, Deputy Vice Chancellor, the Maldives National University
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ECE ASSOCIATION DETAILS

PERI INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Congratulations to all the following members who will be representing our department association PEACE(Peri Association Of Communication Engineers).

S. No	Post	Name of the Student
1	President	M.RajKumar
2	Vice-President	Priyadharasini.T
3	Secretary	M.NivethaJenifier
4	Joint-Secretary	R.Nikitha
5	Treasurer	S.Ragul
6	Treasurer	S.Mohana Krishnan

Editorial Committee

1. M.M.Raj Kumar IV A
2. O. Om Durga IV A
3. MdShakirAlam II A

Executive Committee

1. M. Jeeva IV A
2. Puneeth Sahadev III B
3. R. Viddya III B
4. G. Santhosh II B

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

Institute Marks : 5.00

CAY (2017-2018)

S.NO	DATE	NAME OF THE ASSOCIATION	CHIEF GUESTS
1.	20.12.2018	Entrepreneurship Development Cell - Future of E-Commerce and Social Media for Entrepreneurs	Ms.AashnaChaprana, Campaign Manager from Josh Talks, Mr.SibidharanNandhakumar, CEO of Aftertutor and Mr.Shriram, Founder of PrimeFort
2.	22.12.2017	Personality Development program	Mr.V.PrasannaVenkatesan, international success coach

CAY (2017-2018)

S.NO	DATE	NAME OF THE ASSOCIATION	CHIEF GUESTS
1.	01.07.2017	Campus Chronicles	Mr.Balaji Raman, Chief Technology Officer, CLASSLE KNOWLEDGE PVT. LTD., Chennai.
2.	30.06.2017 to 01.07.2017	Two Days National Level Workshop on Communication And Image Processing Using MATLAB	Mr.Markandan, Assistant Professor of Anand Institute of higher technology
3.	08.08.2017	Snapthon's 17	Organized by ECE depart
4.	30.08.2017 to 31.08.2017	Two days National Workshop on "Robotics Automation with ESP 8266 - 2017"	Makers Arena Pvt Ltd., Chennai.
5.	08.12.2017 & 09.12.2017	Two Days National Level Workshop on "Advanced Embedded System Design using PIC Microcontroller"	Mr.SubaramSubbiah, Principal Engineer – IC Design, Broadcom India PVT.LTD, Chennai
6.	08.02.2018	Workshop on Embedded Systems(Arduino and Raspberry Pi)	Mr.SenthilKumaran, Corporate Trainer, Scube Techno Academy, Chennai

7.	07.04.2018 to 08.04.2018	International Conference	Dr.LochandakaRanathunga, Prof & Head, Department of Information Technology, University of Moratuwa, Katubedda, Moratuwa, Sri Lanka
8.	06.07.2018	Mini Project demonstration on "Ultrasonic Sensor using Arduino Board"	Mr. Ajay Sobi and Mr. K. Ganeshkumar Alumini, PERIIT, Chennai
9.	10.07.2018	Robofest'18	Organized by ECE depart
10.	11.07.2018	One day Seminar on "Telecommunication and Networks"	Mr. Dominic SavioHiruthayaraj, Assistant Director of Network Operation, BSNL, Chennai.
11.	17.07.2018	One day seminar on "Robotics and 3D Printing"	Mr.AnandaRajan, Team Leader, RETECH Solutions, Chennai
12.	26.07.2018 to 27.07.2018	Advanced Robotics Level 2 Training	Organized by ECE depart
13.	28.08.2018	One day Seminar on "Software on wheels - Neural Networks"	Mr. K. Vignesh, CEO- Insertion Systems, Chennai.
14.	15.09.2018	Symposium	Organized by ECE Department
15.	22.12.2018	One day Seminar on "Personality Development"	Mr. V. PrasannaVenkatesan, Author & Advocate, International Success Coach, Chennai.

ECE ASSOCIATION DETAILS

our department association PEACE(Peri Association Of Communication Engineers).

S. No	Post	Name of the Student
1	President	McferranAbisheik
2	Vice-President	Rishi Gopi Krishnan
3	Secretary	R.Keerthy
4	Joint-Secretary	VenkateshPrasath
5	Treasurer	Y.Sonia
6	Treasurer	M.Jeevitha

Editorial Committee

- 1.R.Nikidha III A
2. C.DivyaPraba IV A
3. R.Radhika II A

ExecutiveCommittee

- 1.K.Sankara Narayanan IV A
- 2.M.Vasanth III B
- 3.S.Sowmiya II A

4.6.3 Participation in inter-institute events by students of the program of study (10)

Institute Marks : 5.00

The list of following projects has selected for implementation.

S.No	Batch	Roll No	Student Name	Project Title
1.	A01	411514106002	Abirami K	Weld Pool Visual Tracking in Automatic ARC Welding Using Graph Cut Segmentation
2.		411514106012	Divya J	
3.		411514106039	Logeswari V	
4.	A02	411514106050	Nivedha I C	Efficient Alamouti STBC Algorithm for MIMO – Multi Carrier Modulation Technique
5.		411514106095	Vidhya Lakshmi V	
6.		411514106067	Nandhinee R	
7.	A03	411514106026	Jeevitha M	Precoder design for MIMO relay communication using DF Protocol
8.		411514106014	Divyaprabha C	
9.		411514106072	Soniya Y	
10.				
11.	A05	411514106009	Bharathi S	Underwater Image Enhancement using AHE & EMD
12.		411514106013	Divyalakshmi K	
13.		411514106085	Swathyrathna A	
14.		411514106018	Govathy S	
15.	A06	411514106091	Uma Maheshwari T	Machine Lieutant for visually impaired people
16.		411514106077	StruthiNarayani V	
17.	A07	411514106059	RathiPriya R	IOT Smart Mirror with News and Temprature
18.		411514106096	Vijayalakshmi T	
19.		411514106099	Yuvarani N	

20.	A08	411514106071	Sivaranjani L	Cross Channel Hearing AID Using Bone Conduction
21.		411514106051	Nivetha M	
22.		411514106094	Vidhyakaran P	
23.		411514106056	Praveen Kumar M	
24.	A09	411514106053	Pavithra S	Gun Motion controller using FPGA
25.		411514106084	Swathika R	
26.		411514106088	Thanuja S	
27.	A10	411514106022	Harish R	Power optimization of MIG Welding power source using DSP Algorithm
28.		411514106043	Mohamed Azharudeen M R	
29.		411514106046	Mustafa F Motani	
30.	A11	411514106057	RakheshDhevaraj P S	Wireless Suction Legged ROBOT with Error handling ARM
31.		411514106074	Srinath S	
32.		411514106060	Richie Bernard J	
33.	A12	411514106052	Parthiban M	ATM Machine with Biometric Security
34.		411514106055	Praveen Kumar M	
35.		411514106076	Sriram T	
36.	A13	411514106083	Suryaa S P	Implementation of image feeding and face recognition using Open CV in Robotics
37.		411514106093	Venkatesh Prasad P	
38.		411514106061	Rishi Gopikrishnan	
39.	A14	411514106024	Immanuvel David Raj S	CT and PET medical image fusion using wavelet transform restored by iterative wiener filter.
40.		411514106064	Sankaranarayan K	

41.		411514106098	Vishnu Varadhan D	
42.	A15	411514106010	Bhuvanesh Kumar S	Autonomous Intelligent Bot-Mover
43.		411514106086	Tamil Selvan K	
44.	A16	411514106037	Lakshmi Gantham K E	Real Time operating system for prevention of human hazards by TOXIC gases
45.		411514106048	Nazeema M I	
46.		411514106701	SoumyaAnand	
47.	A17	411514106080	Suguna R	Cardless ATM Transaction and Blocking: A Simple and alternate approach
48.		411514106081	Sumithra A	
49.		411514106097	Vishnu Priya K	
50.	A18	411514106001	Abinaya A	IOT Based Farm Hand Robot
51.		411514106007	AtchayaPriya P	
52.		411514106038	Lakshmi Priya V G	
53.	A19	411514106011	Deepa P	Feature Extraction of Under Water Image using Texture and colour clustering analysis.
54.		411514106033	Keerthana M	
55.		411514106034	Keerthi R K	
56.		411514106702	Sri Shamundeshwari R	
57.	A20	411514106025	Jasmine Jimla Mary A	Hybrid multilevel PAPR Reduction on MIMO based system.
58.		411514106027	Jerinpunarviya P	
59.		411514106042	Mobisha D	
60.	A21	411514106058	Ramya S	Smart Helmet using GPS and GSM for accident detection
61.		411514106069	Shakila W	
62.		411514106073	Sowndharya E	

63.	A22	411514106041	McferranAbishek D	Accelerometer based wireless hand gesture controlling robot
64.		411514106030	Karthekeyan M	
65.		411514106065	Saravanan S	
66.	A23	411514106020	Hariharasudhan U	An IOT Application for stock management and goods analysis.
67.		411514106031	Karthick I	
68.		411514106032	Karthick M	
69.	A24	411514106063	Saffani C Xavier	Fire Fighting Robot using ESP 8266
70.		411514106070	Sivanarayanan M	
71.		411514106067	Satheesh Kumar	
72.		411514106062	Rooban Raj S	
73.	A25	411514106045	Mohanprabu S	Scheme of Identity Digital base scheme for wireless sensor networks
74.		411514106079	Sudhan Kumar R	
75.		411514106075	Srinivasaraghavan M	
76.	A26	411514106004	Arjun S	Landmine detection robot
77.		411514106049	Nikhil Raj Chauhan	
78.		411514106021	Harikumar K	
79.		411514106089	Thilip Kumar S	
80.	A27	411514106017	Gokula Krishnan S	Safety and Security using GSM Module
81.		411514106082	Sunil Dev M	
82.		411514106003	Ajith A	
83.	A28	411514106008	BarathPrasanna A	Power exalting versatile BOT
84.		411514106023	Hindumathi V	
85.		411514106035	Krishnakumar R	

86.	A29	411514106094	Kesavan	Development of intelligent energy efficient and control of traffic safety management system
87.		411514106087	Udayakumar	
88.	A30	411514106303	ManoaraKhatun	Smart Card using RFID
89.		411514106005	Aruna T	
90.		411514106029	JuttigaAravindaBalu	
91.	A31	411514106019	Gowtham M	Secure Routing against active attack in wireless sensor networks
92.		411514106006	Arunkumaar S S	
93.		411514106036	Kumaran S	
94.	A04	411514106040	MalliAbinash	
95.		411514106092	Venkatesh M	
96.		411514106047	Mohammed Manasir	

CAY (2016-2017)

The list of following projects has selected for implementation.

Batch	Name of the students	Reg.no	Title of the project
	E.Ramarajan	411513106051	
1	N. Senthil	411513106062	Implementation Of Hand In News Feeding Using Image Sensing Technique
	T. Vinothkumar	411513106304	
	G.Gopinath	411513106013	

2	R.P. Karthikeyan	411513106027	Industrial Automation PLC Using Web Browser
	K.Manimaran	411513106035	
3	MedapaHarichandhana	411513106014	Digitally Controlled Ring Oscillator For The Reduction Of Jitter And Glitches Using Frequency Multiplier
	Nivedha . V	411513106039	
	Yadavsathyarajanagam	411513106078	
4	Aswini P	411513106007	Maximum Demand Control And Overload Identification Using Wireless Communication
	Joyce Rebecca . V	411513106025	
	Nandhini.S	411513106038	
5	Adoniram Judson I	411513106001	Intelligent Transport System
	Prasanna R	411513106043	
	Gowtham S	411513106302	
6	Utthandaraman R	411513106071	Implementation Of Security Enhanced Authentication System In ATM Service Using IVRS
	Vigesh R	411513106074	
	Balasubramani P	411513106301	
7	Karthikvikram T.K	411513106028	Health Monitoring Using Internet Of Things With Cloud Based Processing
	Ram Prasad V	411513106052	

	Rishap Raj A	411513106055	
	Praveen S	411513106044	
8	Thamizhselvan P	411513106069	Implementation Of High Speed Low Power CSKA Using Brent Kung Adder
	Vinoth P	411513106077	
	Antony Xavier A	411513106003	
9	Hemankumar S.M.D	411513106018	A Facile Way To Access Traffic Signal on Crisis condition by deploying active- RFID
	Kevin rajkumar D.X	411513106029	
	Deepak ShyamSundar S	411513106009	
10	Hariharan M	411513106015	Theft Alert And Smart Parking Using Active RFID
	Krishnan P	411513106031	
	Jacquelin R	411513106021	
11	Sanjana A	411513106057	An Adjustable – Speed PFC SEPIC converter FED BLDC motor drive using Fuzzy logic
	Vaishali K.L	411513106073	
	Anu .B	411513106004	Maximum throughput of cognitive radio networks through secondary user power consumption in 5G heterogeneous

12	Hemavathi P	411513106019	Networks
	Srinivasalu.Amulya	411513106303	
	Evangelin Ebenezer A	411513106011	
13	Indhumathi S	411513106020	To Detect and destroy the misuse of images in the social networks using HFSI Algorithm
	Jayalakshmi V	411513106023	
	Harinee N	411513106016	
14	Harinilakshmi P	411513106017	A Smart LI-FI Security for bank Theft control
	Pavithra P.R	411513106041	
	Shine Angel R	411513106065	
	Priya S	411513106046	
15	Sandhiya p	411513106056	Cognitive industrial load control using virtual reality technique
	Vairamani. S	411513106072	
	Shakila G	411513106063	
16	Sindhuja B	411513106066	Localizing Border Crossing Using RSSI Alert System
	UshaNandhini M	411513106070	
	Priyanka D	411513106047	A Mixed Style Multiplier For Low Power Dissipation in VLSI

17	Savitha Sri B.S	411513106059	
	SherineEmima S.S	411513106064	
	Pradeepa S.G	411513106042	
18	RenuPriya B	411513106054	Human Authentication by dental biometric Analysis using fast marching algorithm
	Tamil Selvi P	411513106068	
	Priyavardhini S	411513106048	
			Prevention of Blackhole attach using Reactive Propagation and mitigation AOMDV
19	Ranjitha V	411513106053	
	Sugha . S	411513106067	
	Gopala Krishnan K	411513106012	
20	Jeevan Raj M	411513106024	Automatic Animal Detection and Warning system
	Koushik D	411513106030	
	Baranidaran K	411513106008	Colour analysis and depth estimation of hazy images for fast visibility restoration using laplacian based techniques
21	Moneeshkumar L	411513106037	

Nowshath H

411513106040

5 FACULTY INFORMATION AND CONTRIBUTIONS (200)

Total Marks 178.43

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	A T
Dr. Jerald Beno J. R	AFXJD6578M	ME/M. Tech and PhD	17/05/2013	Applied Electronics	5	2	0	Professor	10/11/2014	15/05/2001	R
Dr. Jeyakumar. K	ARGPJ4288G	ME/M. Tech and PhD	07/06/2006	Applied Electronics	3	2	0	Professor	06/06/2002	07/08/1996	R
Mr. Shanmugavel. G	BTYPS3265H	M.E/M.Tech	28/06/2010	Communication Systems	3	0	0	Assistant Professor		09/06/2010	R
Mrs. Abisha Benelyn J	AVHPA7303C	M.E/M.Tech	14/06/2010	communication systems	3	0	0	Assistant Professor		01/07/2010	R

Mr. Sebastin Suresh. S	BYTPS2437P	M.E/M.Tech	14/06/2010	VLSI Design	2	0	0	Assistant Professor		01/06/2009	R
Mr. Sakthi Shanmuga Sundaram. P	BTIPS6368D	M.E/M.Tech	20/06/2011	Applied Electronics	2	0	0	Assistant Professor		25/05/2010	R
Mrs. Preethi. S	BFEP6447Q	M.E/M.Tech	15/06/2009	Applied Electronics	1	0	0	Assistant Professor		31/12/2009	R
Mr. Somasekar. M	DTBPS1646M	M.E/M.Tech	15/06/2009	Applied Electronics	2	0	0	Assistant Professor		05/08/2009	R
Mr. Kannadasan. K	BZZPK8333B	M.E/M.Tech	28/06/2011	communication systems	4	0	0	Assistant Professor		22/12/2011	R
Ms. Bridget Sagaya cynthia	AWJPC7338J	M.E/M.Tech	23/03/2012	Applied Electronics	2	0	0	Assistant Professor		29/05/2002	R
Mrs. Maheswari. R	CAHPM4131M	M.E/M.Tech	28/06/2013	Applied Electronics	2	0	0	Assistant Professor		03/07/2013	R
Mr. Magesh. R	BHNPM4402P	M.E/M.Tech	23/06/2014	Applied Electronics	1	0	0	Assistant Professor		23/06/2011	R
Ms. Dharani. N	FRCPD6127B	M.E/M.Tech	16/06/2016	Embedded system technologies	1	0	0	Assistant Professor		10/06/2019	R
Mrs. Sundari. B	CQFPS2867G	M.E/M.Tech	16/06/2016	Applied Electronics	1	0	0	Assistant Professor		01/07/2015	R
Ms. Krishna Priya. S	DOMPK1225J	M.E/M.Tech	23/06/2014	VLSI Design	1	0	0	Assistant Professor		25/05/2017	R
Mr. Elumalai. J	ABBPE2792S	M.E/M.Tech	11/06/2010	Applied Electronics	1	0	0	Assistant Professor		27/07/2001	R

Ms. Kalpana. D	DVMPK5216E	M.E/M.Tech	12/06/2017	Embedded system technologies	1	0	0	Assistant Professor		14/07/2017	R
Mr. R. Satheesh	GOOPS5130H	M.E/M.Tech	19/05/2016	VLSI Design	1	0	0	Assistant Professor		01/07/2016	R
Dr. Dharun V.S.	AIDPD9717L	ME/M. Tech and PhD	17/05/2013	Applied Electronics	3	1	0	Associate Professor	13/03/2013	29/05/2002	R
Dr. C.Senthil Singh	CSGPS8267P	ME/M. Tech and PhD	29/04/2015	VLSI Design	2	2	0	Associate Professor	10/04/2013	03/06/2002	R
Dr.Rajiv Kumar Anand	AHDPA3980F	ME/M. Tech and PhD	04/01/2008	VLSI Design	5	3	0	Professor	21/01/2008	09/07/2002	R
Dr.Vanithamani	AHWPV4603M	ME/M. Tech and PhD	30/05/2012	Applied Electronics	3	1	0	Professor	13/06/2013	08/06/1992	C
Ms.Pavithra	EIHPP2171N	M.E/M.Tech	01/06/2015	Embedded Systems	1	0	0	Assistant Professor		01/07/2016	R
Mr.R.Sivakumar	CYBPS3991P	M.E/M.Tech	02/06/2014	Communication Systems	1	0	0	Assistant Professor		04/06/2010	R
Mrs.Uma Maheswari.P	ABIPU8596N	M.E/M.Tech	01/04/2008	Communication Systems	1	0	0	Assistant Professor		02/06/2008	R
V.Banupriya	BGBPB5766N	M.E/M.Tech	31/05/2010	Optical Communication	1	0	0	Assistant Professor		16/06/2010	R
Ms. Adrin. J. Pearlin	EBPPP8612H	M.E/M.Tech	12/06/2017	Applied Electronics	1	0	0	Assistant Professor		21/06/2017	R
Ms. Tuny Set Seenu M.R	AQPTT3576P	M.E/M.Tech	13/06/2011	Applied Electronics	1	0	0	Assistant Professor		14/07/2014	R
Mrs. Hemamalini. R	ACXPH3002J	M.E/M.Tech	13/06/2011	Applied Electronics	1	0	0	Assistant Professor		01/06/2000	R

Dr. Nagarajan. G	AGYPN9519K	ME/M. Tech and PhD	13/06/2013	Applied Electronics	5	3	0	Associate Professor	10/09/2015	12/08/2005	R
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5.1 Student-Faculty Ratio (20)

Total Marks 18.00

Institute Marks : 18.00

UGNo. of UG Programs in the Department

BE						
Year of Study	CAY		CAYm1		CAYm2	
	(2019-20)		(2018-19)		(2017-18)	
	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	120	3	120	3	120	7
3rd Year	120	3	120	7	120	2
4th Year	120	7	120	2	120	4
Sub- Total	360	13	360	12	360	13
Total	373		372		373	
Grand Total	373		372		373	

PGNo. of PG Programs in the Department

ME - APPLIED ELECTRONICS

Year of Study	CAY(2019-20)	CAYm1(2018-19)	CAYm2 (2017-18)
	Sanction Intake	Sanction Intake	Sanction Intake
1st Year	24	24	24
2nd Year	24	24	24
Total	48	48	48

ME- Communication Systems

Year of Study	CAY(2019-20)	CAYm1(2018-19)	CAYm2 (2017-18)
	Sanction Intake	Sanction Intake	Sanction Intake
1st Year	0	24	24
2nd Year	24	24	24
Total	24	48	48
Grand Total	72	96	96

SFRNo. of UG Programs in the Department No. of PG Programs in the Department

Description	CAY(2019-20)	CAYm1 (2018-19)	CAYm2 (2017-18)
Total No. of Students in the Department(S)	445 Sum total of all (UG+PG) students	468 Sum total of all (UG+PG) students	469 Sum total of all (UG+PG) students
No. of Faculty in the Department(F)	30 F1	29 F2	29 F3
Student Faculty Ratio(SFR)	14.83 SFR1=S1/F1	16.14 SFR2=S2/F2	16.17 SFR3=S3/F3
Average SFR	15.71 SFR=(SFR1+SFR2+SFR3)/3		
F=Total Number of Faculty Members in the Department (excluding first year faculty)			

Note: 75% should be Regular/full time faculty and the remaining shall be Contractual Faculty/Adjust Faculty/Resource persons from industry as per AICTE norms and standards. The contractual faculty will be considered for assessment only if a faculty is drawing a salary as prescribed by the concerned State Government for the contractual faculty in the respective cadre.

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(2019-20)	29	1
CAYm1(2018-19)	28	1
CAYm2(2017-18)	28	1

Average SFR for three assessment years : 15.71

Assessment SFR : 18

5.2 Faculty Cadre Proportion (25)

Total Marks 25.00

Institute Marks : 25.00

Year	Professors		Associate Professors		Assistant Professors	
	Required F1	Available	Required F2	Available	Required F3	Available
CAY(2019-20)	2.00	3.00	4.00	3.00	14.00	23.00
CAYm1(2018-19)	2.00	3.00	5.00	3.00	15.00	22.00
CAYm2(2017-18)	2.00	3.00	5.00	3.00	15.00	22.00
Average Numbers	2.00	3.00	4.67	3.00	14.67	22.33

Cadre Ratio Marks [(AF1 / RF1) + [(AF2 / RF2) * 0.6] + [(AF3 / RF3) * 0.4]] * 12.5 : 25.00

5.3 Faculty Qualification (25)

Total Marks 17.59

Institute Marks : 17.59

	X	Y	F	FQ = 2.5 x [(10X + 4Y) / F]
2019-20(CAY)	7	23	22.00	18.41
2018-19(CAYm1)	7	22	23.00	17.17
2017-18(CAYm2)	7	22	23.00	17.17

Average Assessment : 17.59

5.4 Faculty Retention (25)

Total Marks 25.00

Institute Marks : 25.00

Description	2018-19	2019-20
No of Faculty Retained	28	28
Total No of Faculty	28	28
% of Faculty Retained	100	100

Average : 100.00

Assessment Marks : 25.00

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

Total Marks 20.00

Institute Marks : 20.00

5.5 Modernization by the Faculty in Guiding and Schooling

Inventive tutoring is an excited way to combine advanced Guiding approach and process. It is a generally perceived as a major style in attaining ambitious improvement. The essential objective of inventive tutoring is reassuring students to employ extra in schooling development and to aid the graduate to create broad sense of academic perception in contact with constructive practice. When students collaborate with faculty, they receive extra constructive practice and maintain extra data and upgrade their demanding reasoning. The convenient ways used in modernization by the Faculty in Guiding and Schooling are

- Multimedia schooling
- Project based schooling
- Case study
- Interrogating approaches
- E schooling
- Debates

Multimedia Schooling

Multimedia is the integration of different digital media categories like text, images, audio and video into the combined multisensory bilateral utilization or demonstration to transfer data. Nowadays students choose viewing videos, hearing audios rather than reading text books, faculty use to view short lecture videos before guiding.

Project based schooling

Project based schooling is the effective lecture room way where the students passionately research the here and now obstacles and to achieve broad knowledge. Project based schooling engage complicated work and a few pattern of student delivery, and constructing a definite brand or commodity. Project based schooling boosts longstanding confinement of subject, aid the students to achieve more than common learners in highstakes analysis, enhance analytic and association accomplishment and advances students approach with respect to learning. Gang strategy can boost crucial creative and communal accomplishment and aid to develop students to the working environment.

Case Study

Abundant students are exploratory than analytical, that is they study from illustration than from fundamentals. Accordingly, this is the efficient lecture room approach. Case study fills the difference between institute learning and company. It aids the students in analyzing the framework of the complications, remembering and expressing the duties, assessing program of process. It further teaches and establishes scientific and integral reasoning accomplishment and prompt student to study extra while acquiring appreciation for problems, challenges, ideas, or other subjects under study or investigation.

Interrogating approaches

Quick quizzes can help teachers to assess the effectiveness of their instruction, and make student understanding the concepts more clearly. The primary function of these frequent classroom quizzes is to evaluate student learning in relation to the teacher's instructional methods. Using quizzes the teaching learning process can be more significant. Quizzes gauge students' prior knowledge, create friendly in class competition, review before the test. To begin a class with a quiz will be a fun way to assess our student's knowledge, clear up misconceptions, and drive home the point of how much they will learn.

ELearning

Online learning strength lies in student empowerment, flexibility, accommodation, customization, collaboration, and creation. Students are empowered through online learning in a number of ways. They are free to access materials whenever and wherever they want, using a system they are comfortable with. This flexibility allows students to learn in a way in which they are successful. They are empowered to make choices on how to explore content, which is accommodating to different learning styles. For instance, a learner can watch a video lecture if they prefer visual learning. The Ebooks, Video lectures, Course materials, Lab Manuals, Question Bank all freely available in our college website www.pit.ac.in. The materials are available for peer review and critique and it can be reproducible by other scholars also.

Debates

Debates can be an excellent strategy for enhancing student motivation, fostering intellectual agility and encouraging democratic habits. The opportunities are created for students to practice and sharpen a number of skills, including the ability to articulate and defend positions, consider different points of view, enlist and evaluate evidence.

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

Total Marks 7.84

Institute Marks : 7.84

Name of the faculty	Max 5 Per Faculty		
	2018-19 (CAYm1)	2017-18 (CAYm2)	2016-17 (CAYm3)
Dr. Jerald Beno J. R	2.00	2.00	1.00
Dr. Jeyakumar. K	1.00	1.00	1.00
Mr. Shanmugavel. G	1.00	1.00	1.00
Mrs. Abisha Benelyn J	1.00	1.00	1.00
Mr. Sebastin Suresh. S	1.00	2.00	1.00
Mr. Sakthi Shanmuga Sundaram. P	1.00	1.00	1.00
Mrs. Preethi. S	1.00	1.00	1.00
Mr. Somasekar. M	1.00	1.00	1.00
Mr. Kannadasan. K	2.00	2.00	1.00
Ms. Bridget Sagaya cynthia	1.00	1.00	1.00
Mrs. Maheswari. R	1.00	1.00	1.00
Mr. Magesh. R	1.00	3.00	1.00

Ms. Dharani. N	1.00	0.00	0.00
Mrs. Sundari. B	1.00	0.00	0.00
Ms. Krishna Priya. S	1.00	0.00	0.00
Mr. Elumalai. J	1.00	1.00	1.00
Ms. Kalpana. D	1.00	0.00	0.00
Mr. R. Satheesh	1.00	1.00	1.00
Dr. Dharun V.S.	1.00	1.00	1.00
Dr. C.Senthil Singh	1.00	1.00	1.00
Dr.Rajiv Kumar Anand	2.00	2.00	1.00
Dr.Vanithamani	1.00	1.00	1.00
Ms.Pavithra	1.00	1.00	1.00
Mr.R.Sivakumar	1.00	1.00	1.00
Mrs.Uma Maheswari.P	1.00	1.00	1.00
V.Banupriya	1.00	1.00	1.00
Ms. Adrin. J. Pearlin	1.00	0.00	0.00
Ms. Tuny Set Seenu M.R	1.00	1.00	1.00

Mrs. Hemamalini. R	1.00	1.00	1.00
Dr. Nagarajan. G	2.00	1.00	1.00
Sum	34.00	31.00	25.00
RF = Number of Faculty required to comply with 20:1 Student Faculty Ratios per 5.1	22.25	23.40	23.45
Assessment [$3 \times (\text{Sum} / 0.5\text{RF})$]	9.17	7.95	6.40

Average assessment over 3 years: 7.84

5.7 Research and Development (30)

Total Marks 25.00

5.7.1 Academic Research (10)

Institute Marks : 5.00

List of Faculty Publication in International/National Journals/Conferences

CAY 2019-2020

S. No	Authors	Title Of The Paper	Name Of The Journal, Volume, Issue, Page No	ISSN/ ISBN No	DOI/ Impact Factor/ Citation Index / Index	Month/ Year
1.	K. Kannadasan	Fog Removal and Accident Prevention using Voice Play black Technique	ICSACEEC'19, Vol.1, 147-152			September 2019

2.	R. Maheswari	Fog Removal and Accident Prevention using Voice Play black Technique	ICSACEEC'19, Vol.1, 147-152			September 2019
3.	S. Sebastian Suresh	Fog Removal and Accident Prevention using Voice Play black Technique	ICSACEEC'19, Vol.1, 147-152			September 2019
4	Mr.P.Sakthi Shunmuga Sundaram	Smart Clothes with Bio-Sensors for ECG Monitoring	(IJITEE),ISSN: 2278-3075, Volume-8 Issue-4,			February 2019
5	Mrs. S.Preethi	Smart mirror with voice Assistant	IJRASET'19, Volume 7, Issue III			March 2019

CAYm1 2018-2019

S. No	Authors	Title Of The Paper	Name Of The Journal, Volume, Issue, Page No	ISSN/ ISBN No	DOI/ Impact Factor/ Citation Index / Index	Month/ Year
1	K. Kannadasan	Resource Allocation Strategy for Optimum Spectrum Allotment for Multiuser OFDM Based Cognitive Radio System	Journal of Electrical Engineering	1582-4594, Vol.18, Issue: 3,	1.569	October 2018
2	Mr.P.Sakthi Shunmuga Sundaram	Analyzing the Uterine physiological With MMG Signals using SVM	http://www.ejmanager.com (http://www.ejmanager.com)	IJPR-2018-12-056		Dec 2018
3	J.Elumalai	Analyzing the Uterine physiological With MMG Signals using SVM	http://www.ejmanager.com (http://www.ejmanager.com)	IJPR-2018-12-056		Dec 2018

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CAYm1 2018-2019

S. No	Authors	Title Of The Paper	Name Of The Journal, Volume, Issue, Page No	ISSN/ ISBN No	DOI/ Impact Factor/ Citation Index / Index	Month/ Year
1	K. Kannadasan	Resource Allocation Strategy for Optimum Spectrum Allotment for Multiuser OFDM Based Cognitive Radio System	Journal of Electrical Engineering	1582-4594, Vol.18, Issue: 3,	1.569	October 2018
2	Mr.P.Sakthi Shunmuga Sundaram	Analyzing the Uterine physiological With MMG Signals using SVM	http://www.ejmanager.com (http://www.ejmanager.com)	IJPR-2018-12-056		Dec 2018
3	J.Elumalai	Analyzing the Uterine physiological With MMG Signals using SVM	http://www.ejmanager.com (http://www.ejmanager.com)	IJPR-2018-12-056		Dec 2018

CAYm2 2017-2018

S. No	Authors	Title Of The Paper	Name Of The Journal, Volume, Issue, Page No	ISSN/ ISBN No	DOI/ Impact Factor/ Citation Index / Index	Month/ Year
1.	K. Kannadasan	Design of a Fractal-Based Circularly Polarized UHF RFID Reader Antenna	International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS'17)	2348-6988, Vol. 6, Issue. 8, Page. No. 44-48	4.119	August 2017
2.	R. Maheswari	Discerning White Space and utilizing its potential using USRP and GNU radio	(ICSCN 2017), MIT Campus, Anna University,			
3.	R. Magesh	Performance Analysis of Energy Adaptive Mechanism for Capacity Maximization in Wireless Sensor Network	International Journals (IJESI'17)	Vol. 6, Issue 8, Page. No: 06-11,		August 2017
4.	S. Sebastian Suresh	Personal authentication using partial palm print and palm vein image with image quality measures	International Conference (ICISPC- 2K18)			August 2017
5.	S. Sebastian Suresh	Autonomous low power wireless sensor network based soil moisture detection system	International Conference (ICISPC- 2K18)			

	S. Sebastian Suresh	Performance Analysis of Energy Adaptive Mechanism for Capacity Maximization in Wireless Sensor Network	International Journal of Engineering Science Invention	Vol. 6, Issue 8, Page. No: 06-11,		August 2017
	Mr.P.Sakthi Shunmuga Sundaram	Stability Comparison of 6T and 8T SRAM Cell	International Journal of Innovative Research in Science, Engineering and Technology	Vol. 6, Issue 10,	2319-8753 ISSN (Print): 2347-6710	October 2017
	J.Elumalai	Stability Comparison of 6T and 8T SRAM Cell	International Journal of Innovative Research in Science, Engineering and Technology	Vol. 6, Issue 10,	2319-8753 ISSN (Print): 2347-6710	October 2017

CAYm3 2016-2017

S. No	Authors	Title Of The Paper	Name Of The Journal, Volume, Issue, Page No	ISSN/ ISBN No	DOI/ Impact Factor/ Citation Index / Index	Month/ Year
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1.	K. Kannadasan	Study of BER performance of BCJR algorithm for turbo code with BPSK modulation under various fading models	International conference on communication and signal processing (ICCSP'16)	978-5090-0396, Vol. 3, Issue. 4, Page. No. 132-135	0.89	April 2016
2.	R. Maheswari	“Development of Embedded Based System to Monitor Elephant Intrusion in Forest Border Areas using Internet of Things”,	IJER 2016			

5.7.2 Sponsored Research (5)

Institute Marks : 5.00

2018-19 (CAYm1)

Project Title	Duration	Funding Agency	Amount
MDMS	12 MONTHS	PERI SOTWARE	2133840.00
			Total Amount(X): 2133840.00

2017-18 (CAYm2)

Project Title	Duration	Funding Agency	Amount
Wireless Energy management system-HAN GAS METER	10 MONTHS	PERI SOFTWARE	711280.00
			Total Amount(Y): 711280.00

2016-17 (CAYm3)

Project Title	Duration	Funding Agency	Amount

Cumulative Amount(X + Y + Z) =

5.7.3 Development Activities (10)

Institute Marks : 10.00

PRODUCTS DEVELOPED

1. ZigBee enabled smart energy profile devices/applications in a Home Area Network (HAN)
2. Wireless Energy management system
3. Meter data management platform for processing real-time Smart Grid data.
4. Analytics

5.7.4 Consultancy(from Industry) (5)

Institute Marks : 5.00

2018-19 (CAYm1)

Project Title	Duration	Funding Agency	Amount
ANALYTICS	12 MONTHS	PERI Software	1778200.00
			Total Amount(X): 1778200.00

2017-18 (CAYm2)

Project Title	Duration	Funding Agency	Amount
HAN THERMOSTAT	12 Months	PERI Software	1066920.00
			Total Amount(Y): 1066920.00

2016-17 (CAYm3)

Project Title	Duration	Funding Agency	Amount

Cumulative Amount(X + Y + Z) =

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

Total Marks 30.00

Institute Marks : 30.00

The Department follows a well defined faculty performance appraisal and development system. The faculty performance will be assessed through this system at the end of every academic year.

The performance appraisal form contains the general information about the faculty members like name, department and their qualification followed by their designation and years of experience that includes both industry, teaching experience etc., this appraisal system consists of four major parts under two categories, and each is explained as follows:

PART A: Academic Performance Assessment

Academic Performance Assessment of each faculty is calculated based on their performance in each semester which includes the classes handled by the faculty member per week, their targeted result and the pass percentage in two internal assessment tests, model and university examinations for the corresponding subject. The percentage of the first class and the overall class average is obtained by the formula mentioned below:

1. **% of I class in Univ Exam:** $(\text{No of students got C Grade and above} / \text{Total no. of students}) \times 100$
2. **Class average in Univ Exam :** $(\text{No of S Grade} \times 9.5 + \text{No of A Grade} \times 8.5 + \text{No of B Grade} \times 7.5 + \text{No of C Grade} \times 6.5 + \text{No of D Grade} \times 5.5 + \text{No of E Grade} \times 4.5 + \text{No.of U Grade} \times 2.0) / \text{Total number of students.}$

Academic Performance Assessment includes the following

- Innovative Teaching Learning Methodologies adopted in the subject content by the faculty.
- Additional qualification and certifications obtained during the Assessment Year.
- Refresher course / FDP and other Training Programmes attended during the Assessment Year.
- Faculty Membership in Professional Bodies.

PART – B: Research Potential Assessment

Research potential assessment is assessed by obtaining the following information

- Research Publications in reputed National and International Journals during the Assessment Year with the title, name of the journal, year of publishing and the impact factor.
- Papers presented in Conferences / Symposium etc. during the Assessment Year with the title of the paper presented in the conference.
- Conferences/ Symposiums/Workshops organized by the individual faculty for the Assessment year.
- Books published during the Assessment Year.
- Sponsored projects during the Assessment Year with its details and its current status.
- Testing / Consultancy Projects obtained during the Assessment Year with the title, sponsored amount with the period, client organization details etc.
- Number of Research Guidance for the Ph.D./M.Phil/Programmes

Part C: General - Institutional Development & Academic Leadership

In addition to the academic workload, other responsibilities at the Institutional level also are assigned to the faculty. In academic leadership, details about the students whose performance is poor in unit tests and model examinations is gathered with the percentage of marks and the total number of subjects failed followed by the remarks about the students, to counsel them to improve further.

The contributions of each faculty in the below parameters are considered as a part of their appraisal

- Setting up of Research Lab and Research Centers.
- Activities in National Level Professional Bodies.
- Guest Lectures delivered in other Institutions / Industries
- Special Lectures delivered in our College (Other Departments)
- Invited talks/keynote address in symposiums / conferences outside the college.
- Awards & Honours received.
- Chair / Membership of Panels.
- Co-ordinators for various activities.
- Department Placement Co-ordinator / Corporate Training Co-ordinator
- Any other Administrative work contributed individually /shared for the development of College.

PART D : Assessment by HOD for Staff / Assessment by Principal for HOD

For the staff, the department Head will assess the performance and report to the Principal. However, the performance of HODs of various departments will be assessed by the Principal considering the following factors.

- Technical Knowledge (based on feedback, student projects & class committee observation,)
- Academic results
- Teaching Ability and class control
- Punctuality, Regularity to Work
- Communication Skills
- Mentoring Ability (counseling)
- Ability to improve placement & Training activities
- General Discipline control of students
- Ability to get along with people (Team work)
- Ability to comply with instructions
- Institutions Commitment & Contribution to Department

- Ability to comprehend the situation & problem solving skills
- Organizing capacity of events
- Paper Publications
- Book Publications
- Industry / Professional Society Interaction
- Sponsored Project including assistance to research project
- Consultancy including Assistance in Consultancy and General Attitude.

There is also a column provided where the HOD for staff/Principal for HOD can suggest the training for the faculty for improving their performance in the area where they have obtained low rating.

Finally principal's overall rating is calculated using the formula

- Self Assessment Rating by Faculty (X) :
- HOD Assessment (Y) :

:

Y denotes **Average Rating - Total of Rating for all items**

Its implementation and effectiveness (20)

ANNEXURE-II

Evaluation Sheet for PART A : Academic Performance Assessment

A well-defined system for faculty appraisal for all the assessment years has been evaluated based on the designation. Academic Performance Assessment evaluation of the faculty will be done by considering the following factors.

- (1) The results obtained in terms of pass-percentage of students in Internal assessments / model assessment test (Average of even & odd semester):**
Pass-percentage of students in Internal assessments^{1,2} / model assessment test is given a weight age of 3 (4-model test) points for above 75%, 2 points (3-model test) for 60-75% & 1 point for 50-59%. This adds to a total of 10 points for the 3 tests.
- (2) Content beyond Syllabus Covered:** It is given total points of 10.

- (3) **The results obtained in terms of pass-percentage of students in university examination (Average of even & odd semester):** Pass-percentage of students in university examination is given a weightage of 25 (30-assistant professor) points for above 95%, 20 (25-assistant professor) points for 90-95%, and 15 (20-assistant professor) points for 85-89%.
- (4) **Innovative teaching methods employed:** It is given 5 points.
- (5) **The student's feedback** is given a weightage of 10 (5-professor) points for above 90%, 7 (3-professor) point for 80-90% and 4 (1-professor) points for 70-79%.
- (6) **FDPs/conference attended/training courses attended** is given a weightage of 5 points.
- (7) **Membership in professional bodies** is given a weightage of 5 points.

Different weightage would be assigned to the above parameters. Altogether, the overall points may be awarded based on the designation. That is, for Professor 60 points, Associate Professor 70 points and Assistant Professor 80 points.

ANNEXURE-III

Evaluation Sheet for PART B : Research / Publication / Projects etc.

This Evaluation fully deals with faculty contribution towards Research / Publication and Projects.

The research potential assessment is based on the following criteria:

- 1) **Research Publications in Journals** during the Assessment Year carries 10 points.
- 2) **Papers presented in Conferences / Symposium** during the Assessment Year carries 5 points (10 points for assistant professor).
- 3) **Books published** during the Assessment Year carries 5 points.
- 4) **Sponsored projects** during the Assessment Year carry 15 points.
- 5) **Testing / Consultancy Projects** during the Assessment Year carries 5 points (10 points for assistant professor).
- 6) **Research Guidance for PhD scholars** carries 7 points for degrees already awarded and 3 points for Research Guidance on going PhD degree.

Different weightage would be assigned to the above parameters. Overall points may be awarded based on the designation. i.e., for Professor 15 points, for Associate Professor Points 10 points and Assistant Professor 5 points. Points scored by faculty are limited to maximum weightage.

ANNEXURE-IV

Evaluation Sheet for PART C : Institutional Development and Academic leadership

An effective performance appraisal system for Faculty is vital for optimizing the contribution of individual Faculty to institutional Development and Academic Leadership. By considering the above the evaluation has been done with the following factors. Each factors assigned with different weightage. Altogether the overall points may be awarded based on the designation. i.e., for Professor 25 points, for Associate Professor Points 20 points and Assistant Professor 15 points has been awarded. Points scored by faculty are limited to maximum weightage.

The Institutional Development & Academic Leadership assessment is based on the following criteria:

- 1) Duties of vice principal / academic co-ordinator / placement officer carries 10 points.
- 2) Duties of head of the department carries 10 points.
- 3) Duties of ISO co-ordinator carries 10 points.
- 4) Duties of transport co-ordinator carries 10 points.
- 5) Duties of placement / corporate training co-ordinator carries 10 points.
- 6) Duties of NBA co-ordinator / EDC/IEDC coordinator carries 5 points.
- 7) Duties of newsletter / higher education co-ordinator carries 5 points.
- 8) Duties of graduation-day co-ordinator carries 5 points.
- 9) Duties of alumni association co-ordinator carries 5 points.
- 10) Duties of college-day / sports-day co-ordinator carries 5 points.
- 11) Duties of student counselor by performing counseling carries 10 points.
- 12) Duties of setting up research center / research lab / E-resource carries 5 points.
- 13) Duties of special lecture in industries/ keynote speaker carries 5 points.
- 14) Duties of awards / honors / recognitions carries 5 points.
- 15) Duties of chair / membership in panels of university / government bodies carries 5 points.

Guidelines for filling up PART D: Assessment by HOD for Staff / Assessment by Principal for HOD

This part provides the guidelines for filling up the assessment form for the faculty Performance appraisal by the Head of the Department and also Assessment by Principal for Head of the Department appraisal.

The parameter to be considered for this evaluation is listed below with the weightage:

1. Academic Result

Take the average of the academic results of all the subjects handled during the academic year.

- | | |
|-----------------------------|------------------------|
| a. If the result is > 95% : | Excellent (5points) |
| b. 90 to 95 % : | V. Good (3 points) |
| c. 85 to 89% : | Good (2 points) |
| d. 81 to 85% : | Satisfactory (1 point) |
| e. < 85% : | Nil (0 points) |

2. Teaching ability and class control

Refer the student feedback for the subjects handled by the faculty. Add the marks awarded to points add all the marks together and take the average. Based on the average, allot marks as given below

- | | | |
|---------------|---|-------------------------|
| a. >85% | : | Excellent (5points) |
| b. 81 to 85 % | : | V. Good (3 points) |
| c. 71 to 80% | : | Good (2 points) |
| d. 60 to 70% | : | Satisfactory (1 point) |
| e. < 60% | : | Nil (0 points) |

3. Punctuality

Refer the student feedback for the subjects handled by the faculty. Take the average marks awarded. Based on the average, and other inputs like attending the classes completing the work given by the HoD in time No of CL and OD's availed allot marks as given below

- | | | |
|---------------|---|-------------------------|
| a. >85% | : | Excellent (5points) |
| b. 81 to 85 % | : | V. Good (3 points) |
| c. 71 to 80% | : | Good (2 points) |
| d. 60 to 70% | : | Satisfactory (1 point) |
| e. < 60% | : | Nil (0 points). |

4. Communication Skills

Refer the student feedback for the subjects handled by the faculty. Take the average marks awarded. Based on the average, allot marks as given below

- | | | |
|---------------|---|-------------------------|
| a. >85% | : | Excellent (5points) |
| b. 81 to 85 % | : | V. Good (3 points) |
| c. 71 to 80% | : | Good (2 points) |
| d. 60 to 70% | : | Satisfactory (1 point) |
| e. < 60% | : | Nil (0 points). |

5. Mentoring Ability

Refer the student feedback for the subjects handled by the faculty. Take the average marks awarded. Based on the average and based anself appraisal part C, allot marks as given below

- | | | |
|---------------|---|-------------------------|
| a. >85% | : | Excellent (5points) |
| b. 81 to 85 % | : | V. Good (3 points) |
| c. 71 to 80% | : | Good (2 points) |
| d. 60 to 70% | : | Satisfactory (1 point) |
| e. < 60% | : | Nil (0 points). |

6. Paper Publication

- | | | |
|---|---|----------------------|
| a. 1 international journal publication in a reputed journal or 2 publications in a reputed national journal | : | Excellent (5 points) |
| b. 1 publication in a reputed national journal or Paper presented in International Conference | : | V. Good (3 points) |
| c. Paper presented in National Conference | : | Good (2 points) |
| d. Others | : | Nil (0 points). |

7. Sponsored projects and consultancy :

- | | | |
|---|---|-------------------------|
| a. If project is already sanctioned | : | Excellent (5 points) |
| b. If the proposal is submitted and waiting for results | : | Satisfactory (1 point) |

For each proposal)

- | | | |
|-----------|---|----------|
| c. Others | : | 0 points |
|-----------|---|----------|

8. Book publication

- a) Any 1 book in reputed publishers like McGraw Hill, Pearsons , Oxford etc : (5 points)
- b) For each book in local publications : (1 point)
- c) Others : (0 point)

Implementation and its Effectiveness

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

Total Marks 10.00

Institute Marks : 10.00

SL.NO.	RESOURCE PERSON	TOPIC	EVENT	DATE
1.	Dr. Paul Rodrigues	ENERGY HARVESTING	INTERNATIONAL CONFERENCE	23 rd march 2019
2.	Dr.Lochandaka Ranathunga	Intelligent info system	CONFERENCE	7 th April 2018
3.	Dr.P.N.Kadiresh	Aero Modelling & control system	CONFERENCE	8 th April 18
4.	Dr. Muaviyath Mohammed	Energy Constraint, Adaptability systems	INTERNATIONAL CONFERENCE	22 nd march 2019
6.	Mr. Shibu Thamos	Enterprising supply chain	CONFERENCE	6 th April2017
6.	Dr. T.V. Gopal	Seven basic principles of science & Engineering Computing	CONFERENCE	7 th April2017
7.	Dr.S. Venugopal	Atomic data base mangt system	CONFERENCE	8 th April2017

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	3rdsemester EPL Lab	20	Dual channel cathode ray oscilloscope Function Generator Dual Power Supply Decade resistance, Capacitance Inductance boxes Continuity	9hrs	Mr. Govindaraju N	Tutor	B.E
2	3rdSemester Digital Electronics Lab 15ESL37	20	Digital Trainer Kit Digital IC Tester Linear ICTester	9hrs	Mr. Raji.G	Instructor	Diploma
3	4thSemester Microcontroller lab 10ESL47	20	AT89C51 Microcontroller kit, MSP430 kit. Stepper motor, DC Motor, Matrix key board, LCD, LED Display. 10KVAUPS	9hrs	Mr. Dattatraya LNaik	Foreman	B.E
4	4thsemester HDL lab 10ECL48	20	Universal Multi-Vendor Development Kit Xilinx FPGA Kits -400K Gate Density ACER PC system 10KVAUPS,D-Link24port 10/100switches,4unitrack, D-LinkCategory 6	9hrs	Mr. Dayanand	Asst. Instructor	I.T.I
5	5thsemester DSP Lab 10ECL57	20	PCs DSPStarterKitsTMS-320C6713 Development Board with512KFlashand8MB SDRAM and Software's	9hrs	Mr. Dattatraya LNaik	Foreman	B.E
6	5thsemester AC +LIC Lab 10ECL58	20	GoodWillInstekGOS-630 FC,30 MHz 2 channel colour LCD Display Digital Storage Oscilloscope 3MHzfunctionGenerator with Voltage Display 2Channel180W,DCPower	9hrs	Mr. Kiran S	Instructor	Diploma

7	6thSemester Advanced communication Lab 10ECL67	20	Digital Storage Oscilloscope. Microwave Test bench frequency 8.22 to 12.4 GHz. MicrostripAntennaTrainer	9hrs			
					Mr. Kiran S	Instructor	Diploma
8	6Thsemester Microprocessor Lab 10ECL68	20	ACER PC System PC Add on 48Lines/O Card Model: ESAECI DIOT. Micro printer , 24Col Dot MatrixPrinter Model:ESA, µP24P,	9hrs	Mr. Dattatraya LNaik	Foreman	B.E
9	7thsemester VLSI Lab 10ECL77	20	Licensed2012 Virtuoso® Version CADENCE Tools for25 Users. ACER PC System.	9hrs	Mr. Dattatraya LNaik	Foreman	B.E
10	7thsemester Power electronics Lab 10ECL78	20	SCR & TRIAC trainer kit MOSFET & IGBT trainer kit. Controlled HWR&FWR using Rand RC triggering circuit. SCR Triggering using UJT	9hrs			
					chanchalakshi	Instructor	Diploma

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	Smart Class Room	Fully equipped shared Smart Classroom with LCD projector and software's with the seating capacity of 60. Comfortable desks, chairs and teaching aids. Glass	In Smart classes, we use all interactive modules like videos/ presentations and these visually attractive methods of teaching becomes appealing to students who are already struggling with the traditional method of teaching in a classroom.	Per Semester 10hrs	Subjects (on, microwave, Real time application oriented subjects) which have design, simulation and fabrication can be easily analyzed and visualized	PO5

2	Seminar Hall	Fully equipped shared seminar hall with Computer, Projector, 100 Student Desk, WhiteBoard, Air conditioner, Fan, Cushion chair, Microphone, Speaker, LED	To present technical talk/ project seminars/ research papers/ workshops/industry interaction presentation. Overall development of students like cultural,sports activities etc.,	Per Semester 12 hrs	To bridge the band gap between academic and industry curriculum. To upgrade students to industry standard. Cultural and Sports activities	PO5
3	Manuals along with instruction classes For all the labs	Manuals are provided for Analog Electronics, Digital Electronics, HDL, Microcontroller, Microprocessor, AC +LIC, Advanced communication	To create an awareness about the experiment and to educate the need of conducting the same. Students can understand concept of the experiment better. To document the same using the relevant data.	Throughout the semester	Design of Electronic circuit and testing. Better usage of software tools.	PO1
4	E Journals, E-books facility	IEEE, Springer, Elsevier Science	For research/project/internship activities. To know about recent trends in science and technology. Update the subject knowledge using various books and journals.	Throughout the semester	Engineering and Technology /Medical. Automotive, Solar, Metro Electronics/ agriculture Engineering.	PO2
5	English learning language class	The English faculty is deputed to teach Basic English for the first year students to make them to understand	To increase communication skill among students.	Per semester 20 hrs	Better Communication and understanding English language	PO10
6	Departmental Library	Having collection of Text Books, CD's, Reference, Books and Project / seminar report.	To meet the needs of students To provide reference facilities To refer advanced information for seminar, laboratory projects	Throughout the semester	Student learning process	PO1
7	Research and Development lab and Project lab	Mini and Major project models guided by our faculty members in various fields of engineering. Open source software's like Lab View, P spice Keil micro vision, Xilinx9.1i, Micro wind.	Real time application To create innovative ideas To build the creative skills Motivates student to come up with projects/products.	Throughoutthe semester	Prototype models are developed, Automotive electronics Home automation Safety electronics models are developed Publishing Quality Technical papers.	PO1 to PO12

8	Video's From NPTEL, Classle, VTU Edusat	Displayed in the Lab.	Understanding the Video oriented Teaching and learning.	Per semester 15 hrs	Better Understanding the subject. In depth knowledge beyond Lab.	PO 5
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6.3 Laboratories: Maintenance and overall ambiance (10)

Total Marks 10.00

Institute Marks : 10.00

6.3. Laboratories: Maintenance and overall ambiance (10)

1. Do's and dont's and safety measures rules are maintained in each lab
2. Well technical staffs are available for maintenance of electronic equipments and software.
3. Department having four 10KVAUPS,240 VDC along with Batteries is used in case of power failure in the PC system Labs
4. Servicing of each laboratory is doing frequently.
5. Calibration of the each laboratory is done frequently.
6. Departmenthavinginternetof100MbpsandWi-Fiof35Mbpsismaintainedforstudents and Faculty usage.
7. All necessary PC system regular software like Microsoft office, browser, lab software; antivirus software etc, is installed and maintained.

OVERALL AMBIENCE

1. Department has Full furnished State of Art laboratories with well-equipped equipments which shall cater to all UG and PG courses as per curriculum requirements.
2. Conditions of chairs/benches are in good condition. Chair with desk are provided for individual students in Labs.
3. Department has experienced faculty to educate them in all the fields of engineering.
4. All the labs are conducted and evaluated every week..
5. Labs are equipped with sufficient hardware and licensed software to run program specific curriculum and off program curriculum.
6. Laboratory manual are distributed to students.

7. Sufficient number of windows is available for ventilation and natural light and every lab has one exit.
8. Lighting system is very effective, along with the natural light in every corner of the rooms.
9. Cup-boards are available in each lab for students to place their belongings.
10. Each Lab is equipped with white/black board, computer , Internet, and such other amenities.
11. Research laboratory/dept library is available 24X7 for all faculties and students to carry research work and projects.
12. Exclusively, a project lab has been provided for the students to carry out their mini and major Project work.

6.4 Project laboratories (5)

Total Marks 5.00

Institute Marks : 5.00

Sr. No.	Name of the Facilities	Utilization
		UG/PG students, Research Scholars and Faculty
1.	Matlab licensed version software and DSP kits in DSP lab– 25 user	Members utilize for their miniprojects, projects, and research activities.
		UG/PG students, Research Scholars and Faculty
2.	VLSI- Cadence licensed software in VLSI Lab–25 user	Members utilize for their mini projects, projects, and research activities

- | | | |
|----|--|---|
| 3. | Keil micro vision 3 free version software tool and Microcontroller 8051, MSP 430 kit in MicrocontrollerLab | UG/PG students ,Research Scholars and Faculty
Members utilize for their mini projects, projects, and research activities |
| 4. | Antenna and microwave components in communication systemLab | UG/PG students, Research Scholars and Faculty
Members utilize for their mini projects, projects, and researchactivities |
| 5. | Xilinx free version software for designing and verifying codes of digital logic. | UG/PG students, Research Scholars and Faculty
Members utilize for their mini projects ,projects, and research activities |
| 6. | P-Spice free version software for implementation of power circuits. | UG/PG students, Research Scholars and Faculty
Members utilize for their miniprojects, projects, and research activities |
| 7. | Lab view free Version software | UG/PG students ,Research Scholars and Faculty
Members utilize for their mini projects, projects, and researchactivities |
| 8. | Project seminar hall which includes projector, PC system, software, audio systems. | UG/PG students, Research Scholars and Faculty
Members utilize for their mini projects, projects, and research activities presentation. |
| 9. | R &D Lab | UG/PG students, Research Scholars and Faculty
Members utilize the R&D Lab for their projects and research activities |

UG/PG students ,Research Scholars and Faculty

members utilize the R & D Lab for their mini projects, projects, and research activities

10. Project Lab

UG/PG students, Research Scholars and Faculty

Members utilize the internet and Wi-Fi facility for their Project and research activities,

11.

Internet of 100Mbps and Wi-Fi of 35Mbps

10KVAUPS240VDCalongwith batteries

Used in case of Power failure in all PC System

12.

power failure

6.5 Safety measures in laboratories (10)

Total Marks 10.00

Institute Marks : 10.00

Sr. No	Laboratory Name	Safety Measures
1	EPL LAB	1. Specific safety rules for students displayed. 2. First aid box and fire extinguisher are kept in the laboratory. 3. Avoid the use of condemned equipment and provides needful equipment and components. 4. Periodical servicing of the lab equipment. 5. Maintain a clean and organized laboratory. 6. Avoid the use of cellphones. 7. Appropriate storage areas.

2	DIGITAL ELECTRONICS LAB	1. Specific safety rules for students displayed. 2. First aid box and fire extinguisher are kept in the laboratory. 3. Avoid the use of condemned equipment and provides needful equipment and components. 4. Periodical servicing of the lab equipment. 5. Maintain a clean and organized laboratory. 6. Avoid the use of cell phones. 7. Appropriate storage areas.
3	MICROCONTROLLER LAB	1. Specific safety rules for students displayed. 2. First aid box and fire extinguisher are kept in the laboratory. 3. Periodical servicing of the lab computers. 4. Maintain a clean and organized laboratory. 5. Avoid the use of cell phones. 6. Appropriate storage areas.
4	Advanced Communication Lab	1. Specific safety rules for students displayed. 2. First aid box and fire extinguisher are kept in the laboratory. 3. Avoid the use of condemned equipment and provides needful equipment and components. 4. Periodical servicing of the lab equipment. 5. Maintain a clean and organized laboratory. 6. Avoid the use of cell phones. 7. Appropriate storage areas.
5	HDL Lab	1. Specific safety rules for students displayed. 2. First aid box and fire extinguisher are kept in the laboratory. 3. Periodical servicing of the lab equipment. 4. Maintain a clean and organized laboratory. 5. Avoid the use of cell phones. 6. Appropriate storage areas.
6	VLSI Lab	1. Specific safety rules for students displayed. 2. First aid box and fire extinguisher are kept in the laboratory. 3. Periodical servicing of the lab equipment. 4. Maintain a clean and organized laboratory. 5. Avoid the use of cell phones. Appropriate storage areas.

7	Microprocessor Lab	1. Specific safety rules for students displayed. 2. First aid box and fire extinguisher are kept in the laboratory. 3. Avoid the use of damaged equipment and provides needful equipment and components. 4. Periodical servicing of the lab equipment. 5. Maintain a clean and organized laboratory. 6. Avoid the use of cell phones. 7. Appropriate storage areas.
8	Linear integrated Circuits lab	1. Specific safety rules for students displayed. 2. First aid box and fire extinguisher are kept in the laboratory. 3. Avoiding the use of condemned equipment and provides needful equipment and components. 4. Periodical servicing of the lab equipment. 5. Maintain a clean and organized laboratory. 6. Avoid the use of cell phones. 7. Appropriate storage areas.
9	Digital Signal Processing Lab	1. Specific safety rules for students displayed. 2. First aid box and fire extinguisher are kept in the laboratory. 3. Avoiding the use of condemned equipment and provides needful equipment and components. 4. Periodical servicing of the lab equipment. 5. Maintain a clean and organized laboratory. 6. Avoid the use of cell phones. 7. Appropriate storage areas.
10	Power electronics Lab	1. Specific safety rules for students displayed. 2. First aid box and fire extinguisher are kept in the laboratory. 3. Avoiding the use of condemned equipment and provides needful equipment and components. 4. Periodical servicing of the lab equipment. 5. Maintain a clean and organized laboratory. 6. Avoid the use of cell phones. 7. Appropriate storage areas.

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

POs Attainment Levels and Actions for Improvement- (2018-19)

POs	Target Level	Attainment Level	Observations
PO 1 : Engineering Knowledge			
PO 1	3	2.67	Attainment level is slightly deviated and to overcome this, the following actions are made
Action 1: One day seminar on “Internet of Things (IOT)”. Action 2: One day seminar on “Women Self-Empowerment”.			
PO 2 : Problem Analysis			
PO 2	3	2.49	Attainment level is slightly deviated and to overcome this, the following actions are made.
Action 1: conducted Advanced Robotics Level 2 Training. Action 2: Mini Project demonstration on “Ultrasonic Sensor using Arduino Board”.			
PO 3 : Design/development of Solutions			
PO 3	3	2.54	Attainment level is slightly deviated and to overcome this, the following actions are made
Action 1: Guest lecture on “Static Electric Field,Magnetic Forces and Materials” Action 2:Guest lecture on “Combinational Logic Circuits,Implementation Strategies.			
PO 4 : Conduct Investigations of Complex Problems			
PO 4	3	2.42	Attainment level is slightly deviated and to overcome this, the following actions are made
Action 1: Workshop on Embedded Systems(Arduino and Raspberry Pi). Action 2: One day seminar on “Robotics and 3D Printing”.			
PO 5 : Modern Tool Usage			
PO 5	3	2.51	Attainment level is slightly deviated and to overcome this, the following actions are made
Action 1: Mini Project demonstration on “Ultrasonic Sensor using Arduino Board” Action 2:Industrial Visit to Robotics Automation.			
PO 6 : The Engineer and Society			

PO 6	3	2.24	Attainment level is slightly deviated and to overcome this, the following actions are made
Action 1: One day workshop on “Intellectual Property Rights” Action 2:One day seminar on “Internet of Things (IOT)”			
PO 7 : Environment and Sustainability			
PO 7	3	2.15	Attainment level is slightly deviated and to overcome this, the following actions are made
Action 1: Industrial Visit to ISRO. Action 2: Industrial Visit to Robotics Automation			
PO 8 : Ethics			
PO 8	3	2.36	Attainment level is slightly deviated and to overcome this, the following actions are made
Action 1: Action 1: Entrepreneurship Development Cell - Future of E-Commerce and Social Media for Entrepreneurs. Action 2: conducted Personality Development program.			
PO 9 : Individual and Team Work			
PO 9	3	2.84	Attainment level is slightly deviated and to overcome this, the following actions are made
Action 1: Robofest’18 Action2: 4th Graduation Day – 2018 Action 3: One day workshop on “Intellectual Property Rights”			
PO 10 : Communication			
PO 10	3	2.96	Attainment level is slightly deviated and to overcome this, the following actions are made
Action 1: Conducted Campus Chronicles. Action2: Workshop on Embedded Systems(Arduino and Raspberry Pi)			
PO 11 : Project Management and Finance			
PO 11	3	2.24	Attainment level is slightly deviated and to overcome this, the following actions are made
Action 1:gave Cash award for Staff Members Action 2:conducted Personality Development program.			

PO 12 : Life-long Learning

PO 12	3	2.45	Attainment level is slightly deviated and to overcome this, the following actions are made
Action 1: One day seminar on “Women Self-Empowerment”. Action 2: One day Seminar on "Software on wheels -Neural Networks”			

PSOs Attainment Levels and Actions for Improvement- (2018-19)

PSOs	Target Level	Attainment Level	Observations
PSO 1 : An ability to understand the concepts of basic Electronics & Communication Engineering and to apply them to various areas like Signal processing, VLSI, Embedded systems, Communication Systems, Digital & Analog Devices, etc.services, multimedia, big data analytics and recent topics of varying complexity.			
PSO 1	3	2.45	Attainment level is slightly deviated and to overcome this, the following actions are made
1 One day Seminar on “Telecommunication and Networks” was conducted 2 Guest lecture on “Combinational Logic Circuits,Implementation Strategies was organized 3 One day seminar on “Internet of Things (IOT)” was conducted			
PSO 2 : An ability to solve complex Electronics and Communication Engineering problems, using latest hardware and software tools, along with analytical skills to arrive cost effective and appropriate solutions.			
PSO 2	3	2.36	Attainment level is slightly deviated and to overcome this, the following actions are made
Actions 1 Workshop on Embedded Systems(Arduino and Raspberry Pi) was conducted 2 Mini Project demonstration on “Ultrasonic Sensor using Arduino Board” was done 3 Advanced Robotics Level 2 Training was given			
PSO 3 : Wisdom of social and environmental awareness along with ethical responsibility to have a successful career and to sustain passion and zeal for real-world applications using optimal resources as an Entrepreneur. successful entrepreneur and an urge for pursuing higher studies.			
PSO 3	3	2.15	Attainment level is slightly deviated and to overcome this, the following actions are made
Action 1 Entrepreneurship Development Cell - Future of E-Commerce and Social Media for Entrepreneurs was conducted 2 One day Seminar on “Personality Development” was conducted 3 One day seminar on “Women Self-Empowerment” was conducted			

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

Total Marks 10.00

Institute Marks : 10.00

The process of Academic Audit intends to observe and enhance the standards of technical education by adopting proper guidelines to provide qualified engineers/researchers/entrepreneur.

ISO 90012008 Audit:

Internal Audit:

ISO Certified Auditor along with the Management Representative perform their Audit.

The audit team conducts the audit in every academic year.

Audit report which gives observations on Academic activities and Non Academic activities.

Internal Audit Committee conducts Academic Audit and NonConformities report to the MR and the Head of the Department.

The MR and the Head of the Departments along with Audit team will discuss to overcome the observations and Nonconformities.

External Audit:

A team of auditors from Indian Register Quality System (IRQS) and along with Management Representative (MR) perform their audit and submit their report.

External audit will be conducted once in an academic year.

Audit report gives Observations and NonConformities on Academic Management, Academic Practices, Infrastructure, Financial and Support Services for Academic Activities, Institutional Strengths, Weaknesses, Challenges and Also they recommend measures for improvement or highlights that the institution faced the challenge of making proper correlation between Vision, Mission, Objectives and Actual Activities.

Assessment Criteria:

The auditors will focus the following details during the audit:

Monitoring of syllabus:

All the faculty members should strictly follow to the lesson plan regarding the coverage of syllabus. If any deviations, faculty members will take the additional classes to compensate the deviations. The audit members will verify comparison with the lesson plan and test marks.

Conduction of Value Added Courses

Value added courses will be conducted for the curriculum gap identified in the regulations. Feedback will be taken from the students to appraise the course. Auditors will verify the feedbacks and provide the suitable suggestions if required.

Attendance Maintenance:

Students attendance will be maintained by the department and the same will be updated in the university website for the students for the awareness of their presence to the class. Audit members will verify the maintenance department and add some suitable suggestions if required.

Lecture Notes & Log Book Maintenance:

Lecture notes and important question will be maintained by the faculty members. Log books are updated by the faculty members every day. The audit members will verify this lecture notes and log book maintenance.

Preparation of Internal Assessment Test Question paper, Answer Key and QuestionBank:

Step 1: The Course Instructors prepare the Internal Assessment Test question paper along with the answer key by considering the followings factors:

Blooms Taxonomy

Previous year University questions

Course coverage as per the assessment plan

Step 2: The Course Coordinators validate the question paper set and also recommend for the modification if required.

Step 3: The Course Instructors evaluate the answer sheets based on the answer key prepared by them and the evaluation is verified by the Course Coordinator randomly.

Step 4: After evaluation, audit members will verify the quality of question paper, answer keys and question banks prepared by the faculty members.

Student CentricActivities:

CoCurricular activities such as Industrial Visits, Symposium, Seminars Guest Lectures, Hands on program Short Term Courses and Value Added Courses will be organized every year. The audit members will verify the feedbacks obtained from the Industrial Visits. The student project evaluation procedure will be verified by the audit members. Suggestions will be provided by the audit members.

Mentoring System:

Institution uses mentoring system for the academic performance improvement of the department. In mentoring systems, each faculty advisor is put in charge of some students to monitor, guide and advise them to ensure their overall academic achievements. Counseling is given for each student to get rid of their problems to improve their studies. The audit members, will verify the counseling methodology followed by the faculty members and add some suitable suggestions.

Remedial Coaching:

Subject handled by the faculty members will identify the slow learners based on the results obtained in the previous semester and the internal marks. Slow learners will be given separate coaching after the class hours. The audit members will verify the coaching methodology followed by the faculty members and add some suitable suggestions.

Students Progress Report:

Faculty members will be generating the consolidated mark list of Internal Assessment Test for all the students and the individual students marks will be sent to the parents. The audit members will verify the consolidated mark list and regarding the information sent to the parents.

Class Committee Meeting and Follow Up Action:

Two Class Committee meetings per semester are conducted with the faculty members handling the subjects, student representative by the Committee coordinator. The quality in the teaching methodology was improved on the fee having one to one interaction with the respective faculty members. The audit members will verify the report containing the minutes of Class Committee meeting.

Budget and Utilization:

The budget for the academic activities and Utilization Chart will be maintained in the department. The audit members will verify the utilization of budgets for every semester.

Conduct of the Internal Assessment Test:

Three Internal Assessment Tests will be conducted for every semester. Test will be conducted as per the schedule planned by the department. Faculty members will correct the answer sheets within two days after the completion marks will be handed over to the department.

Maintenance of Mark List:

The department will maintain the marks obtained by the students and analysis will be made for the marks obtained. The audit members will be verifying the marks and analysis made for the test marks. xiv) Result Analysis of University Examinations:

Result analysis will be made for the University results by the department. The audit members will verify the analysis and they provide the suitable suggestions to improve the University result. xv) Library, Laboratories and Internet Facilities:

The audit members will verify the utilization register of the library and the books being maintained in the library. The audit members will verify the Lab utilization and Internet facilities available in the department.

Frequency

TYPE OF AUDIT	TERM
ISO 90012008 Audit (Internal Audit)	Twice in an academic year
ISO 90012008 Audit (External Audit)	Once in an academic year

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

Total Marks 10.00

Institute Marks : 10.00

Assessment is based on improvement in:

Placement: number, quality placement, core industry, pay packages etc.

Higher studies: performance in GATE, GRE, GMAT, CAT etc., and admissions in premier institutions

Entrepreneurs

Placement:

The College conducts the Placement Training and Soft Skills Training programs for all final year students before commencement of campus interviews every year.

The training program will be outsourced.

Faculty members will conduct training for core subjects before the commencement of campus interviews.

Interview Management Skills for the students will be guided by faculty members.

Feedbacks will be obtained from the students regarding the training provided.

Higher Studies:

Career guidance programs are conducted.

The students are motivated through guest lecturers to go for higher studies in India and abroad.

The Letter of Recommendation is verified and given by the faculty members to students to pursue their higher studies in various Universities.

Entrepreneurship:

To develop a base for students to identify their area of interest, to kindle the spirit of

ownership and to develop their skills to become a good entrepreneur.

Guest lectures are organized to provide information to students as to howto develop a strategy and acquire a knowledge base.

Item	CAY 2015- 2016	CAY m1 2014- 2015	CAY m2 20132014
Total no. of Final Year Students	215	148	153
No. of students placed in companies or Government Sector	169	112	114
No. of students admitted to higher studies with valid qualifying scores (GATE or equivalent State or National Level Tests, GRE, GM AT etc.)	21	14	13
No. of students turned entrepreneur in engineering / technology	4	2	1

Table 7.1. Comparative table for placement, higher studies and Entrepreneurship

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

Total Marks 10.00

Institute Marks : 10.00

Item		2019-20	2018-19	2017-18
National Level Entrance Examination	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	No of students admitted	27	82	94
	Opening Score/Rank	188	196	176
	Closing Score/Rank	105	90	93
Name of the Entrance Examination for Lateral Entry or lateral entry details	No of students admitted	03	03	04
	Opening Score/Rank	76	95	96
	Closing Score/Rank	75	82	86
Average CBSE/Any other board result of admitted students(Physics, Chemistry&Maths)		130	92	87

8 FIRST YEAR ACADEMICS (50)

Total Marks 41.56

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

Total
Institute

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)
							CAY	CAYm1	CAYm2		
A.VEERAMAN	AJOPV5753A	M.Sc. and PhD		MATHEMATICS	Professor	01/07/2016	37	37	37	Yes	Contractual

S.MAHESWAF	ATIPM9143R	M.Phil		MATHEMATICS	Associate Professor	19/12/2016	0	50	50	No	Regular
G.CHITRA	ASMP5965E	M.Phil		MATHEMATICS	Associate Professor	01/06/2011	50	50	50	Yes	Regular
R.VENKUTTU	AHFPV8199M	M.Phil		MATHEMATICS	Assistant Professor	03/07/2013	75	75	75	Yes	Regular
P.KALEESWAF	BNJPK7327K	M.Phil		MATHEMATICS	Assistant Professor	16/06/2014	75	75	75	Yes	Regular
M.BIMI	ACBIB2344M	M.Phil		MATHEMATICS	Assistant Professor	01/08/2016	75	75	75	Yes	Regular
M.TAMILMOZI	AYDPT0249D	M.Phil		MATHEMATICS	Assistant Professor	01/07/2016	75	75	75	Yes	Regular
J.PARTHIBAN	CUWPP6752G	M.Sc. and PhD		MATHEMATICS	Associate Professor	10/08/2016	50	50	50	Yes	Regular
G.SHYAMSUN	DNHPS3764N	M.Sc. and PhD		MATHEMATICS	Associate Professor	18/08/2016	50	50	50	Yes	Contractual
B.ROOPA	CARPR7152M	M.Phil		MATHEMATICS	Assistant Professor	17/08/2015	75	75	75	Yes	Regular
P.REVATHY	BRXPP9919E	M.Phil		MATHEMATICS	Assistant Professor	16/09/2015	75	75	75	No	Regular
M.LAXMI PRIY	AKPPL0527J	M.Phil		MATHEMATICS	Associate Professor	20/10/2017	50	50	50	Yes	Regular
T.SARAVANAN	DECPS7174J	M.Phil		MATHEMATICS	Assistant Professor	03/08/2018	75	75	75	Yes	Regular
V.SUGUNA	HHHPS8330G	M.Phil		MATHEMATICS	Assistant Professor	11/06/2018	75	75	75	Yes	Regular
P.R.SAKTHIVE	HJAPS6438C	M.Phil		MATHEMATICS	Assistant Professor	13/06/2018	75	75	75	Yes	Regular

V.MAHENDRA	BILLM5668R	M.Phil		MATHEMATICS	Assistant Professor	14/09/2012	0	75	75	No	Regular
V.DEVI RAJAS	ASIPD6265C	M.Phil		MATHEMATICS	Associate Professor	15/06/2013	0	0	50	No	Regular
J.MONICA	BLEPM0550M	M.Phil		MATHEMATICS	Assistant Professor	01/07/2016	0	75	75	No	Regular
G.SUMATHI	BBEPS4088N	M.Sc. and PhD		MATHEMATICS	Associate Professor	02/12/2016	0	50	50	No	Regular
S. CHENTHIL	AIYPC2227P	M.Sc. and PhD		PHYSICS	Professor	06/07/2015	35	35	35	Yes	Contractual
V.SILAMBARA	ACEPU9424E	M.Sc. and PhD		PHYSICS	Associate Professor	02/07/2018	0	50	50	No	Regular
A.ARUNACHA	BNTPA7332Q	M.Sc. and PhD		PHYSICS	Associate Professor	01/02/2017	50	50	50	Yes	Contractual
M.NAGESHW	AILPN2492C	M.Sc. and PhD		PHYSICS	Assistant Professor	25/06/2015	75	75	75	Yes	Regular
C.P.NIRMALAE	BVHPP7921G	M.Phil		PHYSICS	Assistant Professor	25/07/2016	75	75	75	Yes	Regular
K.BHAVANI	AQCPB4288K	M.Phil		PHYSICS	Assistant Professor	06/01/2016	0	75	75	No	Regular
M.BHUVANES	AUWPB2999P	M.Phil		PHYSICS	Assistant Professor	30/08/2016	0	75	75	No	Regular
T.MAHENDAR	AFSPT8645R	M.Phil		PHYSICS	Associate Professor	20/09/2017	0	50	50	No	Regular
G.BALAKRISH	AUKPB0272F	M.Sc. and PhD		PHYSICS	Professor	01/08/2016	35	35	35	Yes	Regular
R.GUNASEKA	BSLPQ7241Q	M.Phil		PHYSICS	Assistant Professor	04/09/2017	0	75	75	No	Regular

I.MIRUNA	BZGPM8316K	M.Phil		PHYSICS	Assistant Professor	29/06/2015	0	0	75	No	Regular
VJ.THANIGAI ,	AHKPT1368F	M.Phil		PHYSICS	Associate Professor	03/08/2015	50	50	50	Yes	Regular
CR.KUMARAN	BNJAS8775K	M.Sc. and PhD		PHYSICS	Professor	01/07/2016	0	35	35	No	Regular
R.PERUMAL	CLEPP5145E	M.Sc. and PhD		PHYSICS	Associate Professor	01/07/2016	0	0	50	No	Regular
Dr. RAJA MOH	DHIPP5125D	M.Sc. and PhD		Chemistry	Professor	17/09/2018	35	35	35	Yes	Regular
S.DORATHY	AUJPD7616G	M.Sc. and PhD		Chemistry	Associate Professor	22/06/2015	50	50	50	Yes	Regular
P.RAMU	AQJPR1914R	M.Phil		Chemistry	Associate Professor	29/08/2016	50	50	50	Yes	Regular
S.ROSY CHRI	BFCPR9551K	M.Phil		Chemistry	Assistant Professor	01/07/2014	75	75	75	Yes	Regular
G.SIVASHANM	AUNPV4354M	M.Phil		Chemistry	Assistant Professor	05/09/2016	75	75	75	Yes	Regular
S.MANIMEGH,	AYXPM1668B	M.Phil		Chemistry	Assistant Professor	17/08/2015	75	75	75	No	Regular
M.PITCHAIMA	DHIPP5125D	M.Phil		Chemistry	Assistant Professor	18/02/2015	0	0	75	No	Regular
N.BABITHA	BBIPB2748A	M.Phil		Chemistry	Assistant Professor	01/07/2014	0	75	75	No	Regular
R.KALAIVIZHI	BLTPK9422M	M.Sc. and PhD		Chemistry	Professor	01/10/2014	35	35	35	No	Regular
R.NAVEENA	AYMPN6758Q	M.Phil		Chemistry	Assistant Professor	01/07/2016	0	0	75	No	Regular

A.ANITHA	ANTPA1868Q	M.Phil		Chemistry	Assistant Professor	01/07/2016	0	0	75	No	Regular
J.LOGESWAR	AEKPL5423N	M.Sc. and PhD		Chemistry	Professor	17/08/2016	0	35	35	No	Regular
Dr. SUNEEL K	BMZPS5607S	M.A and Ph.D		English	Professor	01/02/2017	0	35	35	No	Regular
P.CHANDRU	BBMPC8004L	M.Phil		English	Associate Professor	22/06/2015	50	50	50	Yes	Regular
S.KOKILA	DBCPK7523N	M.Phil		English	Assistant Professor	08/09/2018	75	75	75	Yes	Regular
A. NANTHAKU	BALPN8506L	M.Phil		English	Assistant Professor	02/07/2018	75	75	75	Yes	Regular
S.JAINIPRIYA	BEUPJ8662Q	M.Phil		English	Assistant Professor	01/09/2016	75	75	75	Yes	Regular
C.FRANKLIN	ABEPF1490L	M.Phil		English	Assistant Professor	06/01/2017	75	75	75	No	Regular
R.K.SUBASHI	CSGPS7981E	M.Phil		English	Assistant Professor	17/08/2016	0	0	75	No	Regular
SUGANTHA E.	AASPE5158M	M.A and Ph.D		English	Professor	27/09/2017	0	0	35	No	Regular
P.ARULKUMAR	ABCZA1387C	M.Phil		Physical Director	Assistant Professor	01/06/2016	75	75	75	Yes	Regular
A.VIMALA	ANRPV1784C	M.Phil		Librarian	Assistant Professor	17/06/2014	75	75	75	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)
2017-18(CAYm2)	600	34	18	5
2018-19(CAYm1)	600	29	21	4
2019-20(CAY)	480	21	23	4
Average	560	28	20	4

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]
2016-2017	13	28	30	4.00
2017-2018	13	29	30	5.00
2018-2019	9	21	24	4.00

Average Assessment: 4.33

8.3 First Year Academic Performance (10)

Total Marks 3.23

Institute Marks : 3.23

Academic Performance	2019-20	2018-19	2017-18
Mean of CGPA or mean percentage of all successful students(X)	7.70	7.82	8.10
Total Number of successful students(Y)	25.00	47.00	32.00
Total Number of students appeared in the examination(Z)	72.00	114.00	68.00
API [$X*(Y/Z)$]	2.67	3.22	3.81

Average API[(AP1+AP2+AP3)/3] : 3.23

Assessment [1.5 * Average API] : 3.23

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

Total Marks 10.00

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

Institute Marks : 5.00

The attainment of Course outcome is evaluated under two categories – University Assessment and Internal Assessment. **University Examination:**

For University Examination the target is fixed based on the following criteria.

Attainment Level 1: <50% of students scoring more than Class Average in the University Examination. **Attainment Level 2:** 50% 60% of students scoring more than Class Average in the University Examination. **Attainment Level 3:** >60% of students scoring more than Class Average in the University Examination.

Internal Assessment:

For Internal Assessment, the target is fixed based on summative manner i.e., by considering course performance through Internal Assessment Test, Assignments and Seminars based on the need as described by the Course Instructor Test, the target is fixed based on the following criteria

Attainment Level 1: <50% of students scoring more than Class Average in the Internal Assessment. **Attainment Level 2:** 50% 60% of students scoring more than Class Average in the Internal Assessment. **Attainment Level 3:** >60% of students scoring more than Class Average in the Internal Assessment.

The final CO attainment is calculated by allocating 80% weightage to University Assessment and 20% weightage to Internal Assessment.

LIST OF FIRST YEAR COURSES (2015 – 2019)

S.No	Year/ Sem	Course Code	Subject Code	Course Name
1.	I / I	C101	HS6151	Technical English –I
2.	I / I	C102	MA6151	Mathematics – I
3.	I / I	C103	PH6151	Engineering Physics I
4.	I / I	C104	CY6151	Engineering Chemistry I
5.	I / I	C105	GE6152	Engineering Graphics
6.	I / I	C106	GE6151	Computer Programming
7.	I / I	C107	GE6161	Computer Practices Laboratory
8.	I / I	C108	GE6162	Engineering Practices Laboratory
9	I / I	C109	GE6163	Physics and Chemistry Laboratory I
10	I / II	C110	HS6251	Technical English II
11	I / II	C111	MA6251	Mathematics II
12	I / II	C112	PH6251	Engineering Physics – II
13	I / II	C113	CY6251	Engineering Chemistry –II
14	I / II	C114	EC6201	Electron Devices
15	I / II	C115	EE6201	Circuit Theory
16	I / II	C117	GE6262	Physics and Chemistry Laboratory II
17	I / II	C118	EC6211	Circuits and Devices Laboratory

S.No	Year /Sem	Course Code	Subject Code	Course Name	University Exam Attainment (80%)	Internal Exam Attainment (20%)	Total Attainment
1	I / I	C101	HS6151	Technical English –I	2.6	0.4	3
2	I / I	C102	MA6151	Mathematics – I	2.6	0.6	2.6
3	I / I	C103	PH6151	Engineering Physics I	2.6	0.4	2.6
4	I / I	C104	CY6151	Engineering Chemistry I	2.6	0.2	3
5	I / I	C105	GE6152	Engineering Graphics	1.8	0.4	2.2
6	I / I	C106	GE6151	Computer Programming	2.6	0.6	3
7	I / I	C107	GE6161	Computer Practices Laboratory	1.2	0.4	1
8	I / I	C108	GE6162	Engineering Practices Laboratory	2.6	0.8	3
9	I / II	C109	GE6163	Physics and Chemistry Laboratory I	2.6	0.6	2.8
10	I / II	C110	HS6251	Technical English II	2.4	0.8	3
11	I / II	C111	MA6251	Mathematics II	2.4	0.2	2.8
12	I / II	C112	PH6251	Engineering Physics – II	1.8	0.8	2.2
13	I / II	C113	CY6251	Engineering Chemistry –II	2.4	0.6	3

14	I / II	C114	EC6201	Electron Devices	2.8	0.6	3
15	I / II	C115	EE6201	Circuit Theory	1	0.4	1
16	I / II	C116	GE6262	Physics and Chemistry Laboratory II	2.2	0.4	2.8
17	I / II	C117	EC6211	Circuits and Devices Laboratory	1.8	0.4	2

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

To evaluate the Course Outcomes, the data are gathered using the following process

Course Performance – University Examination Course Performance – Internal Assessment Tests Assignments

Seminar /Presentation

Examination:

The University Examination is conducted for 100 Marks for 3 hours duration. The performance of the students in the University Examination is considered as 80% of attainment of Course Outcomes of each course. **Internal Assessment:**

Internal Assessment is carried out based on the marks scored by student from Internal Assessment Test conducted by the department. A series of three tests are conducted in accordance with the academic calendar. Each test will carry assessment Test I, II and III address the CO1, CO2, CO3, CO4 and CO5. The assessments are carried out by the Course Instructor.

Assignment:

Assignments are used to assess students learning outcomes. The assignments are evaluated by the Course Instructor. **Seminar / Presentation:**

Seminar Topics are given to the students to exhibit their understanding of the subject which is recorded by the Course Instructor.

The performance of the students in the Internal Assessment Test is considered as 20% of attainment of Course Outcomes of each course. **Laboratory Assessment**

Lab Performance – University Examination:

The University Examination is conducted for 100 Marks for 3 hours duration. The performance of the students in the University Laboratory Examination is considered as 80% of attainment of Course Outcomes of each Lab Course. **Lab Performance – Internal Assessment:**

The Lab Experiments address the COs of the respective Lab Courses. During the Laboratory session all the experiments are practically done using various Equipment and Software Tools. The students maintain observations and record which reflect their work during the Laboratory session. At the end of each session, observations and record are evaluated individually by the respective Course Instructor. The performance of the students in the Laboratory Module of attainment of Course Outcomes of each Lab Course.

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	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	3	3	PO11	3
C102	3	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	2
C103	2.8	2.8	PO3	2.6	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1
C104	2.8	2.8	PO3	3	PO5	3	3	3	PO9	PO10	PO11	1
C105	2.6	2.6	PO3	PO4	PO5	PO6	PO7	2.6	PO9	2.6	PO11	2
C106	3	3	PO3	3	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1
C107	1	1	PO3	1	PO5	PO6	PO7	PO8	PO9	1	PO11	2
C108	3	3	PO3	3	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1
C109	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	3	3	PO11	1
C110	3	3	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1
C111	2.4	2.6	PO3	3	PO5	PO6	PO7	PO8	PO9	PO10	PO11	2
C112	2.4	2.6	PO3	2.4	PO5	2.4	2.4	2.4	PO9	PO10	PO11	1
C113	3	3	PO3	3	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1
C114	3	3	PO3	PO4	PO5	3	PO7	3	PO9	PO10	PO11	3
C115	1	1	PO3	1	PO5	PO6	PO7	PO8	PO9	1	PO11	2
C116	3	3	PO3	3	PO5	PO6	3	PO8	PO9	PO10	PO11	1
C117	2	2.6	2	2	PO5	PO6	PO7	PO8	2	2	PO11	1

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Direct Attainment	2.53	2.6	2	2.45	0	2.8	2.8	2.75	2.67	2.1	0	1.53
CO Attainment	2.53	2.6	2	2.45	0	2.8	2.8	2.75	2.67	2.1	0	1.53

PSOs Attainment:

Course	PSO1	PSO2	PSO3
C101	PSO1	PSO2	PSO3
C102	PSO1	PSO2	PSO3
C103	PSO1	PSO2	PSO3
C104	PSO1	PSO2	PSO3
C105	PSO1	PSO2	PSO3
C106	PSO1	3	PSO3
C107	PSO1	2	PSO3
C108	PSO1	PSO2	PSO3
C109	PSO1	PSO2	PSO3
C110	PSO1	PSO2	PSO3
C111	PSO1	PSO2	PSO3
C112	PSO1	PSO2	PSO3
C113	2	PSO2	PSO3
C114	PSO1	PSO2	PSO3
C115	PSO1	1	PSO3
C116	PSO1	PSO2	PSO3
C117	2	PSO2	PSO3

PSO Attainment Level

Course	PSO1	PSO2	PSO3
Direct Attainment	2	2	0
CO Attainment	2	2	0

8.5.2 Actions taken based on the results of evaluation of relevant POs (5)

Institute Marks : 5.00

POs Attainment Levels and Actions for Improvement- (2018-19)

POs	Target Level	Attainment Level	Observations
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PO 1 : Engineering Knowledge

PO 1	3	2.67	Attainment level is slightly deviated and to overcome this, the following actions are made.
ACTION1:One day workshop on “Intellectual Property Rights” ACTION 2:Hackathon PERI'18			

PO 2 : Problem Analysis

PO 2	3	2.49	Attainment level is slightly deviated and to overcome this, the following actions are made.
ACTION1:One day Seminar on "Software on wheels -Neural Networks ACTION2:One day seminar on “Robotics and 3D Printing”			

PO 3 : Design/development of Solutions

PO 3	3	2.54	Attainment level is slightly deviated and to overcome this, the following actions are made.
ACTION1:Advanced Robotics Level 2 Training			

PO 4 : Conduct Investigations of Complex Problems

PO 4	3	2.42	Attainment level is slightly deviated and to overcome this, the following actions are made.
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action 1: For the Course MathematicsII, Assignment was given to solve the complex problems. Action 2: For the Course Computer Programming, Assignment was given to solve the complex problems.

PO 5 : Modern Tool Usage

PO 5	3	2.51	Attainment level is slightly deviated and to overcome this, the following actions are made.
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ACTION1: Advanced Robotics Level 2 Training ACTION2:Industrial Visit to ISRO

PO 6 : The Engineer and Society

PO 6	3	2.24	Attainment level is slightly deviated and to overcome this, the following actions are made.
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ACTION1:One day Seminar on “Personality Development” ACTION2:Entrepreneurship Development Cell - Future of E-Commerce and Social Media for Entrepreneurs

PO 7 : Environment and Sustainability

PO 7	3	2.15	Attainment level is slightly deviated and to overcome this, the following actions are made.
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Action:Conducted Blood donation camp . Inorder to motivate the students to donate the blood .

PO 8 : Ethics

PO 8	3	2.36	Attainment level is slightly deviated and to overcome this, the following actions are made.
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Action 1:For the Course Engineering Graphics, Seminar was conducted based on drawing Ethics

PO 9 : Individual and Team Work

PO 9	3	2.84	Attainment level is slightly deviated and to overcome this, the following actions are made.
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action 1:For the Course Technical EnglishII, Group Discussion was done to enhance their role in multidisciplinary teams.

PO 10 : Communication

PO 10	3	2.96	Attainment level is slightly deviated and to overcome this, the following actions are made.
action 1: For the Course Technical EnglishII, Presentation and extempore skills were practiced to improve communication skill			

PO 11 : Project Management and Finance

PO 11	3	2.24	Attainment level is slightly deviated and to overcome this, the following actions are made.
action1: Staffs were given cash awards for 100% result action 2: Personality development programs were conducted.			

PO 12 : Life-long Learning

PO 12	3	2.45	Attainment level is slightly deviated and to overcome this, the following actions are made.
action 1: one day seminar on women development			

PSOs Attainment Levels and Actions for Improvement- (2018-19)

PSOs	Target Level	Attainment Level	Observations
PSO 1 : An ability to understand the concepts of basic Electronics & Communication Engineering and to apply them to various areas like Signal processing, VLSI, Embedded systems, Communication Systems, Digital & Analog Devices, etc.services, multimedia, big data analytics and recent topics of varying complexity.			
PSO 1	3	2.44	Attainment level is moderately deviated and to overcome this, the following actions are taken
Action : For the course circuits and devices laboratory, additional experiments were given to the students to enhance their practical knowledge action 2: One day seminar on “Internet of Things (IOT)” was conducted			

PSO 2 : An ability to solve complex Electronics and Communication Engineering problems, using latest hardware and software tools, along with analytical skills to arrive cost effective and appropriate solutions.

PSO 2	3	2.42	Attainment level is moderately deviated and to overcome this, the following actions are taken
Action : For the course Computer practices laboratory , additional Programs were given to the students to enhance their programming skills. action 2: Advanced Robotics Level 2 Training was given			

PSO 3 : Wisdom of social and environmental awareness along with ethical responsibility to have a successful career and to sustain passion and zeal for real-world applications using optimal resources as an Entrepreneur. successful entrepreneur and an urge for pursuing higher studies.

PSO 3	3	2.8	Attainment level is moderately deviated and to overcome this, the following actions are taken
action 1: One day seminar on “Women Self-Empowerment” was conducted			

9 STUDENT SUPPORT SYSTEMS (50)

Total Marks 50.00

9.1 Mentoring system to help at individual level (5)

Number of faculty members : All the faculties in each Discipline/Department

Number of Students per mentor : Minimum of 10 students & Maximum of 20

students will be allocated

Frequency of meeting : Scheduled on every week and also conducted
based on individual need

This also facilitates the pre-registration guidance and enables students to take right courses and appropriate electives. The faculty encourages the students to discuss the progress and keeps track of the attendance and progress of the students assigned to him. All the details of the students are maintained by the faculty. The same information is reported to the students. Measures taken. They also provide advice on career matters as well. This has created a healthy and congenial atmosphere on the campus.

An effective Mentoring system for Students (MS) has already been implemented in our institute.

- All the students of the college come under this system from the date of joining the college.
- A complete track of the student activities like Academic, Curricular, Co-curricular Extra Curricular achievements, Social activities and the details of Parent Meetings are maintained.
- A Mentoring Register has been distributed to all the Staff of the college.
- Each staff is allocated with 10-20 students under the mentoring system.
- Faculties will have a meeting with the students periodically and their Academic progress and all his activities are discussed and noted in the register.
- Any lagging in the course & laboratory work will be noted & make them to do in the evening hours.
- Any discrepancies in the student behaviour like Attendance shortage, personal issues, etc will be questioned and will be counselled with effective solution then & there.
- Guidance will be given to go aboard for Higher studies & necessary recommendation letters will be issued by faculties, HODs & Principal.
- Guidance for GATE exams, Govt exams, Military service exams will be given to eligible students.

CAY 2018-2019(ODD SEM)-Report 1

S.NO	YEAR/SEM	ACADEMIC	ACTION TAKEN	GENERAL	ACTION TAKEN
1	II/III	1. Students asked text books that they were not provided. 2. Students need special classes for LPDE subjects. 3. Students need more time to submit the weekly assignment	1. Books will be provided within a week. 2. Conducted meeting and informed to the faculty to conduct special class for LPDE subject.	1. Students prefer curtains in the bus. 2. Bus route no 3 and 20 AC is not adequate for travelling students.	1. AC Mechanics are informed to service AC. 2. Curtains are provided in buses.

2	III/V	1.Need new ID card those who were lost their ID. 2.Need to conduct Workshop. 3.Students requested to complete the syllabus for DSP and DC.	1.For new IDcard will be provided withih this week 2.The staff members are instructed to conduct extra hours for DSP&DC	1.Students prefer curtains in the bus . 2.Need to conduct sports activities and sports day in college	1.Curtains are provided in buses. 2.Discussed with principal and informed to PD to conduct sports activities and sports day
3	IV/VII	1.Students requested to conduct mini projects hours. 2.Students need more exposure about different domain knowledge related to their project work.So they are asking browsing hours.	1.Discussed with principal regarding mini project.	1.Students prefer curtains in the bus . 2.Bus route no 5 and 19 AC is not adequate for travelling students.	1.Curtains are provided in buses. 2..AC Mechanics are informed to service AC.

CAY :2018-2019 (ODD SEM)- Report 2

S.NO	YEAR/SEM	ACADEMIC	ACTION TAKEN	GENERAL	ACTION TAKEN
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1	II/III	1 Students need to finish syllabus before CAT 3. 2.Students feel difficult in writing of test and assignment.	1.Faculties are advised to finish their syllabus before CAT 3. 2.Test and assignments are reduced for informed students to write assignment for difficult subjects	1.AC is not working in II year classes. 2. Hostellers asking permission to change their study hours.	1.AC Mechanics are informed to service AC in II and III year. 2.Study hour for hostellers will be changed and informed to warden.
2	III/V	1.Students need presentation for theory papers. 2.They need additional notes for all subjects	1.Faculties are informed to teach and give presentation for their subjects. 2.Additional notes are also given to students.	1..Students need PET hours and library hours.	1.Management planning to conduct sports day for students and asked them to participate.
3	IV/VII	2.Students need PASCAL and java learning program.	1.Experts in JAVA and PASCAL language persons are asked to conduct coaching	1.Students are asking tour for five days.	1.Regarding tour discussed with management.

CAY : 2018-2019 (ODD SEM)-Report 3

S.NO	YEAR/SEM	ACADEMIC	ACTION TAKEN	GENERAL	ACTION TAKEN
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1	II/III	1.Additional notes are required for derivation subjects. 2..Number of questions for assignment need to be reduced.	1.For derivative subject faculties are informed to issue their written notes to the students. 2.questions for assignment is reduced for only theory papers..	1. Need industrial visit.	1.Proposal is given to different companies for Industrial visit.
2	III/V	1.Students require more ppt for communication networks and TQM. 2.Special classes wanted for DC and DSP.	1.Faculties are instructed to conduct extra hours for DC and DSP. 2..Faculties are informed to teach and give presentation for their subjects.	1.Hostellers wanted stationery items to be sold in canteen. 2.Hostel girls seeking permission for typewriting courses.	1.Issues were informed to management regarding hostel issues.
3	IV/VII	1. Students wanted to reduce test hours. 2. Need video lectures for difficult subjects.	1.Faculties are informed to provide Video lectures and ppt models for final years.	1 Need additional placement training.	1.Additional placement hours are allocated to final year students..

CAY: 2018-2019(EVEN SEM)- Report 1

S.NO	YEAR/SEM	ACADEMIC
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1	II/IV	1.Students need books at the earlier for preparing 1st hour test. 2. Students finding it difficult to study with mobile phone, since all staffs are sending notes via what's app group, Students are not able to learn the dail from it.
2	III/VI	1. Need books at the earlier for preparing class test and for CAT. 2. Finding it d study with mobile phone.
3	IV/VIII	1.Students need additional placement training.

CAY: 2018-2019(EVEN SEM)- Report 2

S.NO	YEAR/SEM	ACADEMIC	ACTION TAKEN	GENERAL	ACTION TAKEN
1	II/IV	1. Students need written notes and solved problems from staffs. 2. Students are asking excess hours for lab to complete lab experiments.	1. Faculties are insisted to issue their notes to students for better preparation for their examination.. 2. Extra classes will be allotted for lab to finish the pending experiments.	1. Students informed to clean their classes regularly. 2. Students suffering because of insects in hostel rooms	1. For hostel and for classroom cleanliness message is conveyed to respective in charges to monitor regularly.
2	III/VI	1. Students are asking to finish syllabus in MPMC and asking presentation classes for the subject. 2. Students asking two marks and its answers for each subjects.	1. MPMC handling staff are advised to give presentation for remaining concepts. 2. Extra lab hours are allotted for completion of lab experiments.	1..Need to initiate co-curricular and extracurricular activities	1. Will be initiated co-curricular and extracurricular activities
3	IV/VIII	1. Need software's for simulation based project work.	1. Discussed with principal to purchase software's for simulation	1..Need to start short term courses and add on courses.	1. Will be started short term courses and add on courses.

CAY: 2018-2019(EVEN SEM)- Report 3

S.NO	YEAR/SEM	ACADEMIC	ACTION TAKEN	GENERAL	ACTION TAKEN
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1	II/IV	1.Need of brief handouts for all the critical and core courses to prepare for CAT examinations	1..Faculty members informed to prepare brief handouts for all the critical and core courses to prepare for CAT examinations and also for university examinations	1. In a room 6 members are accommodated, it is difficult to share the shelves among 6 students. Students feel difficult during lunch time in canteen because of excess crowd.	1. Hostel issues are informed to that in charges.
2	III/VI	1. Need of contents beyond the syllabus open ended experiments for lab	1.Lab handling faculty members informed to provide some open minded experiments to learn and execute the experiments by the group of students.	1.In hostel need to provide drinking and sanitary	1.Informed to warden and supervisors to provide water facility
3	IV/VIII	1.Students are asked to strengthen counseling and mentoring process in the individual students in order to sort out their academic issues and also improve their overall performance in the university examination.	1. Faculty members are advised and informed to strengthen counseling and mentoring process in the individual students in order to sort out their academic issues and also improve their overall performance	1. Need to quality circle for having sharing of ideas and thoughts to improve the academic performance and also improve their presentation skill.	1.Discussed to form quality circle so that students are having open forum to share their ideas and thoughts to improve the academic performance and also improve their presentation and group discussion skill

CAY : 2017-2018(ODD SEM)- Report 1

S.NO	YEAR/SEM	ACADEMIC	ACTION TAKEN	GENERAL	ACTION TAKEN
1	II/III	1. Students feel to deliver more basic information about their subjects. 2. Students are asking to provide extra classes for doing lab experiments	1. Faculty meeting is conducted regarding issues faced in CCM.	1. Need industrial visit.	1. Proposal is given to different companies for Industrial visit.
2	III/V	1. Students need seminars for tough subjects. 2. Students are asking introduction classes for lab. 3. Students requested to complete the syllabus before CAT 1.	1. Seminar classes are arranged for tough subjects. 2. Faculties are advised to complete their syllabus before CAT 1.	1. Need to conduct workshop	1. Proposal is given to management to conduct workshop..
3	IV/VII	1. Students are requested to conduct mini projects.	1. Discussed with principal regarding mini project.	2. Students need Industrial visit.	1.. Proposal is given to different companies for Industrial visit

CAY: 2017-2018(ODD SEM)- Report 2

S.NO	YEAR/SEM	ACADEMIC	ACTION TAKEN	GENERAL	ACTION TAKEN
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1	II/III	1. Need more time to submit the weekly assignment/and give less number of problem as an assignment.	1. Faculties are informed to give assignment for problematic papers.	1. Need industrial visit.	1. Proposal is given to different companies for Industrial visit.
2	III/V	1. Students requested to complete the syllabus before CAT 1.	1. Faculties are advised to finish their syllabus before CAT 1.	1. They want permission to attend conference.	1. Permission has been given to attend conference.
3	IV/VII	1. Students are requested university question for RF and Microwave theory	1. For final year students university question papers are given for RF and Microwave	1. Students need Industrial visit.	1. Proposal is given to different companies for Industrial visit.

CAY: 2017-2018(ODD SEM)- Report 3

S.NO	YEAR/SEM	ACADEMIC	ACTION TAKEN	GENERAL	ACTION TAKEN
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1	II/III	1. Students feel difficult in understanding of LPDE and SS. 2. Student need more classes for DE subject. Need more time to submit the weekly assignment/and give less number of problem as an assignment.	1. Faculty meeting is conducted regarding to conduct extra classes for DE, LPDE & SS.	1. Students asking to clean their class rooms daily.	1. Regarding cleanliness problem has been informed to concern incharge.
2	III/V	1. Students feel tough to learn MPMC programs and them asking to explain in lab hours. 2. Students requested to complete the syllabus before CAT 3.	1. Faculty of MPMC was insisted to teach program in both lab and theory hours. 2. . Faculties are advised to finish their syllabus before CAT 3	1. Hostellers wanted stationery items to be sold in canteen.	1. Issues were informed to management regarding hostel issues.
3	IV/VII	1. Students are requested university question for all subjects.	1. For final year students university question papers are given for RF and Microwave	1. Hostellers wants permission to use lap top in study hours.	1. For usage of laptop permission has been given to students in hostel.

CAY: 2017-2018(EVEN SEM)- Report 1

S.NO	YEAR/SEM	ACADEMIC	ACTION TAKEN	GENERAL	ACTION TAKEN
1	II/IV	1. Students are asking to finish syllabus before CAT 1.	1.Asked to all the faculty members to brief question bank for CAT-1 portions and also assignments	1. Students asking to clean their class rooms and labs daily.	1. Arrangements has been made to provide continuous monitor in classroom and laboratory.
2	III/VI	1.Need to initiate co-curricular and extracurricular activities	1.Will be initiated co-curricular and extracurricular activities	1.Backlog students to be given extra coaching based on Class test	1. Backlog students will be given additional coaching.
3	IV/VIII	1. Students need library hours. 2.Need to do summer internship program	1.Will be Informed to principal to give direction to the time table coordinator to introduce library hour to access books.	1.Hostellers wants permission to use lap top and mobile in study hours.	1.For hostel students permission will be given to use mobile and laptop.

CAY: 2017-2018(EVEN SEM)- Report 2

S.NO	YEAR/SEM	ACADEMIC	ACTION TAKEN	GENERAL	ACTION TAKEN
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1	II/IV	1. Student feel difficult for stay back classes. 2. Students need assignment for difficult subject. 3. Students want to complete syllabus for CS and EC II.	1. Given assignment for difficult 2. Extra hours are allotted for CS and EC II	1. Hostellers wants permission for outing in evening to purchase things	1. Hostel issues are informed to warden .
2	III/VI	1. Students need extra classes for tough subjects. 2. Students are asking to provide separate system for executing of VLSI experiments.	1. Extra classes are allotted to difficult subjects. 2. For execution of experiments in VLSI lab instructors are instructed to provide separate system for students	1. Students are asking to extend lunch break time due to crowd in canteen.	1. Informed to canteen incharge to arrange facilities for students to have their lunch within the lunch time.
3	IV/VIII	1. Students requested to complete the syllabus before CAT 3.	1. Faculties are informed to finish their syllabus before CAT3.	1. Project laboratory need to create for IV year students.	1. Project laboratory will be create for IV year students as soon as possible.

CAY: 2017-2018(EVEN SEM)- Report 3

S.NO	YEAR/SEM	ACADEMIC	ACTION TAKEN	GENERAL	ACTION TAKEN
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1	II/IV	1. Student feel difficult for understanding unit 4 in LIC subject. 2. Students need assignment and class test for LIC and PRP subject. 3. Students are asking to complete syllabus for CS and EC II	1. For LIC subjects staffs are insisted to give assignment and to conduct test. 2. Extra hours are allotted for CS and EC II.	1. Hostellers want permission to go for typewriting class. 2. In hostel girls are not allowed to use MOBILE	1. For hostel issue the message was conveyed to warden to give permission for students to attend typewriting as well as to use mobile.
2	III/VI	1. Students need to understand about VHDL and Verilog programmers. 2. Students requested to give important question in each subjects.	1. Seminar will be conducted for VHDL and Verilog program. 2. Important question are given to students.	1. Consumables for lab experiments to be provided sufficiently	1. Adequate Consumables for lab experiments will be provided
3	IV/VIII	1. Students need additional guideline for project work	1. Additional classes are arranged to give guidelines for projects work	1. Students seeking permission to attend conference in various colleges	1. Studentsb will be given permission to attend conference.

CAY: 2016-2017(ODD)SEM- Report 1

S.NO	YEAR/SEM	ACADEMIC	ACTION TAKEN	GENERAL	ACTION TAKEN
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1	II/III	1..Students feel comfortable 50%of first unit was completed 2.Students need coaching for Maths 3.Students assignments are reviewed	1..Faculty meeting is conducted regarding issues faced in CCM. special class has been arranged for MATHS Subject.	1. Students asking sports day.	1.Regarding sports day and cultures message conveyed to principal
2	III/V	1.Discussed about CAT question paper 2.They are requested to complete the CAT portions	1Final question pattern of CAT exam is given to students. 2.Faculty meeting is conducted regarding syllabus coverage before CAT	1.Student asking industrial visit	1. For Industrial visit staffs are instructed to get permission from various industries
3	IV/VII	1.Students are satisfied in all subjects. 2.In aptitude class they need shortcuts to solve problems and also they require additional classes for placement.	1.Faculty meeting is conducted regarding syllabus coverage before CAT. 2.Additional classes are allotted for aptitude	1.Hostellers Complained about cleanliness of room and dinning hall	2.Hostel issues are conveyed to concern incharge

CAY: 2016-2017(ODD)SEM- Report 2

S.NO	YEAR/SEM	ACADEMIC	ACTION TAKEN	GENERAL	ACTION TAKEN
1	II/III	1.Students need text books are not provided so students feel difficult to study 2.Syllabus coverage and notes of lesson for odd semester	1.Text book will be provided with this week. 2.Instructed for the faculty members to give notes of lesson	1.Need to conduct sports activities and sports day in college	1.Discussed with principal and informed to PD to conduct sports activities and sports day.
2	III/IV	1.Guest lecture for critical subjects needed. 2..Need to start Professional society	1..Guest lecture programme will be arranged for critical courses. 2.Steps will be advised to split their stay back coaching to teach the topic and then to conduct test.	1..Students asked to provide internet facility in the laboratory.	1.Internet facility will be arranged in the laboratory.

3	IV/VII	1.Question bank needed for all the subjetscs 2.Syllabus coverage for theory and lab courses observed and need to improve coverage.	1.University Result pass percentage need to improve for VII semester 2.Expert lecture for critical subjects needed.	1.Advised for students to improve for VII semester 2.Expert lecture for critical courses will be arranged fo VII semester critical	
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CAY: 2016-2017(ODD)SEM- Report 3

S.NO	YEAR/SEM	ACADEMIC	ACTION TAKEN	GENERAL	ACTION TAKEN
1	II/III	1. Students need special classes for EC1 and MATHS subjects.	1. Given assignment for difficult subjects so that students can able to familiar in their subjects. 2.Extra hours are allotted for EC I and math.	1. Forhostellers food shortage, insect problem and change of study hour.	1.Issues of hostel is informed to hostel in charge.

2	III/V	1.Students asked important questions for assignments so that many problems are solved in the Home. 2. Portion coverage for theory and lab reviewed and students asked to conduct one hour test morning	1.Asked to all the faculty members to brief assignments so that students are able to solve manyProblems in home. 2. Discussed in the faculty meeting and introduced the one hour test for improving performance	1. Students asking to clean their class rooms and labs daily.	1.Arrangements has been made to provide continuous monitor in classroom and laboratory.
3	IV/VII	1.Need inter institutional activities in the institution 2.Need to initiate feedback system for theory and lab	1.Dissussion will be done with principal to initiate inter institutional activities in the institution 2.Discussed with concern to initiate feedback system for theory and lab	1. Project laboratory need to create for IV year students.	1. Project laboratory need to create for IV year students.

CAY : 2016-2017(EVEN SEM)- Report 1

S.NO	YEAR/SEM	ACADEMIC	ACTION TAKEN	GENERAL	ACTION TAKEN
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1	II/IV	1. Students are asking to finish syllabus before CAT 1. 2. Students feel difficult to understand unit 2 in LIC and asking to solve more problems CS.	1.Faculties are advised to finish their syllabus before CAT 2. 2. For LIC and CS faculties are advised to take care of understanding of subjects and also to fulfill student's expectation in their subjects.	1.Hostellers Complained about cleanliness of room and corridor of hostel.	1. 1.Informed to warden and supervisors to rectify the problems in hostel as soon as possible.
2	III/VI	1. Students need real time examples for VLSI 2.Students are asking to finish syllabus before CAT 2.	1.For VLSI real time application are explained and videos for different concept are played in conference hall.	1.Students are asking to conduct workshop in college	1.Proposal is given to conduct workshop.
3	IV/VIII	1.Students need NPTEL video lecturer for wireless communication. 2. Students asking more details about their project work.	1.WC video lecturer was played in conference hall for better understanding of concept. 2.Staff are instructed to give more details about project work for final year students.	1.Students are asking tour and Industrial Visit. 2.. AC is not working in classes.	1.Proposal is given to different companies for Industrial visit. 2.AC mechanic came and rectified the problem in AC.

CAY: 2016-2017(EVEN SEM) - Report 2

S.NO	YEAR/SEM	ACADEMIC	ACTION TAKEN	GENERAL	ACTION TAKEN
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1	II/IV	1. Students need text books are not provided so students feel difficult to study.. 2. Students need special classes for CT and LIC subjects.	1. Books will be provided as soon as possible . 2. The staff members are instructed to special classes for CT and LIC.s	1. In hostel need to provide continuous drinking and water facilities for sanitary.	1. Arrangements has been made to provide continuous drinking and water facilities for sanitary.
2	III/VI	1. Need more time to submit the weekly assignment and give less number of problem as an assignment. 2. Students are requested to complete the syllabus for AWP and CN.	1. Extra time is given to students to submit assignment. 2. The staff members of AWP AND CN are instructed to complete their syllabus.	1. AC is not working in laboratories. 2. Hostellers asking permission to change their study hours.	1. AC Mechanics are informed to service AC in laboratories. 2. Study hours from 7.30 pm to 9.30 suggested to principal.
3	IV/VIII	1. Students are requested to conduct seminar for their subjects. 2. Students are asking extra placement classes.	1. Seminar classes are arranged for final year's students. 2. Extra hours are allotted to placement class.	1. Weak students to be given extra coaching based on Class test	1. Weak students will be identified based on the class test performance and will be given additional coaching.

CAY : 2016-2017(EVEN SEM)- Report 3

S.NO	YEAR/SEM	ACADEMIC	ACTION TAKEN	GENERAL	ACTION TAKEN
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1	II/IV	1. Students are asking to finish syllabus before CAT 3	Asked to all the faculty members to brief question bank for CAT-3 portions and also assignments	1.Weak students to be given extra coaching based on Class test	1.Weak students will be identified based on the class test performance and will be given additional coaching.
2	III/VI	1.Students need presentation for theory papers 2. Students asking to conduct placement hours.	1.Faculties are suggested to by presentation to complete their syllabus. 2. Will be Informed to principal to give direction to the time table coordinator for placement.	1. Students asking to clean their class rooms and labs daily.	1Arrangements has been made to provide continuous monitor in classroom and laboratory.
3	IV/VIII	1. Students need library hours.	1.Will be Informed to principal to give direction to the time table coordinator to introduce library hour to access books.	1.Hostellers wants permission to use lap top and mobile in study hours.	1.For hostel students permission will be given to use mobile and laptop.

Professional Guidance:

The department is well equipped with knowledgeable Human resources in the form of members of faculty who by keeping themselves of development, offer guidance to classroom teaching. The Industry- institute Partnership cell and Entrepreneurship development cell have been putting efforts in this direction.

Career advancement:

The Training and Placement cell has been active not only in arranging campus recruitment drives, but also offering awareness and training for the students Course work. interact with students in clearing all their Concept-oriented and test based mechanics of the respective courses. The teachers after first of formative evaluation guide the concerned.

Lab-specific:

Each of the lab sessions are handled by 3 Teachers in order to have special care for the students, while experiments are being handled. A demonstrative presentation is experiment. The Laboratory records are evaluated after the experiment is held. In other words, there is active involvement of the members of faculty Pre-experiment stag experiment.

Total Development:

As stated above, the college puts forward efforts to realize total development of the student. In addition to academics, literary, cultur which offer leadership qualities, decision making abilities, team spirit, precision, analytical capabilities, psychological awareness etc intellectually mature being.

9.2 Feedback analysis and reward /corrective measures taken, if any (10)

Total Marks 10.00

Institute Marks : 10.00

Feed Back Collection Process

- A standard feedback questionnaire is collected from the students every mid-semester course wise.
- At the end of semester, department conducts end course survey in order to take the feedback about the facilitators as well about the effectiveness of course.
- Number of Feedback Items : 08.
- Number of Feedback levels : 01 to 05.
- Space for descriptive feedback/suggestion etc : Yes.
- Any consistency check? : Yes.
- Any performance/attendance profile : Yes.
- Frequency of feedback collection : Min of Once & max of twice in a semester
- Feedback collection Hard-copy : Yes.
- Average percentage of students who participates : 90-100% By HOD
- Average percentage of students who participates : 10-15% By Principal

By Principal**FEED BACK-FOLLOWUP ACTIONS& REMEDIES - JUNE -DEC 2017-18**

S.NO	DEPT/Subject	STAFF/OTHERS	REMEDY/ALTERATION
1	CSE - Chemistry	Mr.Ramu	Advised to give more explanation Conduct slowly
2	Mech -EG	Mr.Anil Kumar	Advised to give more explanation
3	CIVIL	Ms.Kaviarasi	Arrange survey camp locally
4	CSE-Python	Ms.Lena barathi	Need to improve in teaching - Give notes of lesson
5	Maths	Mr.Rajesh Kumar	Advise to explain twice, Solve more problems, otherwise he may be replaced
6	Maths	Mr.Maheswaran	Advised to explain and make them to understand for 1st year students.
7	Python	Mr.Karthik	Need to improve & teach in Slow speed
8	Chemistry	Ms.Manimagalai	Teaching must be made interesting .Dont bore
9	Physics	Ms.Bhavani	Treat Student Well .Dont Shout
10	EG	Mr.Sridhararan	Improve teaching and make students to understand
11	Chemistry	Ms.Rosy Christy	Give explanation in Lab
12	Python	Ms.Rani	Go slow, teach in normal speed
13	Maths	Shyam Sundar	Advised to Solve more problems in class
14	ADC	Elumalai	Allot more hours to him to cover the left portion
15	EE	Priyadarshini	Make it interesting

16	EEE CLASS ROOM	classes shifted to delta block and made it permanent
17	House keeping	Clean bathroom regularly , Fill the water tank then & there
18	Symposium	Will be conducted next semester
19	PED	Arrange to conduct Athletics for hostellers - Track to be made ready
20	Library	Library hour - 1 Hour /week .may be considered from next sem onwards
21	Hostel	Lunch time 10 minutes increased -1/2 hour to 40 minutes
22	Canteen	Provide Spicy food to Andhra students

By Department:

Feedback analysis Process:

- The feedback analysis is done manually.
- Collected feedback is scrutinized by the Assessment Committee-Program.
- The feedback is quantified
- All the parameters mentioned in the feedback form will be analyzed.
- Ability of teaching with respect to each item and comprehensive ability of the teachers will be analyzed
- All the comments written by the students in the feedback forms will be communicated to the respective faculty members along with their feedback levels to know their strengths and weaknesses and to enhance their teaching skills.
- In case of online Feedback, the students will enter their FB in lab, that will be analysed by HOD/Principal & corrective instruction will be given later to the concern staff (if the FB is fair)

Basis of reward/corrective measure:

- Faculty members who get average feedback below 3 on 1-5 scale are identified and provided with induction program and faculty development program in specified subject/area.
- Also the faculty members who get feedback more than 75% are appreciated by management during Annual function.

9.3 Feedback on facilities (5)

Total Marks 5.00

- Student's feedback on facilities such as class room ambiance, AC failures, furniture, OHP/ LCD projectors, I guru and tablet is satisfactory.
- Student's feedback on facilities such as library, number of books to be increased. We have increase purchase of books for central library.
- Student's feedback on facilities such as speed of internet to be improved. We have increased the band width. Better Boards in few classes identified & replaced
- Student's feedback on facilities such as Bus route extension is made.
- Student's feedback on facilities such as hostel coaching is conducted

9.4 Self-Learning (5)

Total Marks 5.00

Institute Marks : 5.00

The curriculum offers courses like self-study, mini project, major projects where the topics are self-selected or based on guide suggestion. The component of self-learning is evaluated in these courses.

- Seminars, conference, workshop & guest lecturers were organized.
- In every lecture 5-10 minutes discussion on new technology and its application in real life that is beyond the syllabus occasionally Past year projects & working models are made available to students for improvement & innovation
- Every student has to submit a home assignment in every course which has been evaluated for 10 marks. Some of these tasks are beyond syllabus to encourage outstanding students to develop their self-learning capabilities.
- Some of the tasks in the lab courses are challenge based which has to be solved by the students on their own enhancing their skills.
- Department library with sufficient number of volumes on core and application areas, technology awareness journals are opened during college working hours.
- E-notes has been prepared by the department faculty and maintained by the department faculty for the development of students for all subjects in our department. We have appointed a faculty coordinator for digital library for the development of student knowledge for updating their curriculum
- Apart from the above, the college actively promotes self-learning through the following resources procured through NPTEL, IEEE.MOOCs and other Audio-Video content:

ACADEMIC YEAR: 2016 – 2017 ODD SEM

YEAR / SEM	NAME OF THE SUBJECT	NAME OF THE TOPIC	RESOURCE PERSONS NAME	INSTITUTE NAME
II / 03	EE6352 Electrical engineering and instrumentation	DC Machines	Prof.L.Umanand	IISc Bangalore
	EC6302 Digital electronics	Combinational Circuits	Prof. S. Srinivasan	IIT Madras
	EC6303 Signals and systems	Discrete Time Signal and System	Prof.T.K.Basu	IIT Kharagpur
	EC6304 Electronic circuits - I	FET/MOSFET Amplifiers and their Analysis	Prof. D.C. Dube	IIT Delhi
III / 05	EC6501 Digital communication	Quantization , PCM and Delta Modulation	Prof.Bikash. Kumar. Dey	IIT Bombay
	EC6502 Principles of Digital signal processing	Multi rate Signal Processing	Prof.T.K.Basu	IIT Kharagpur
	EC6503 Transmission lines and wave guides	Characteristic Impedance and Design of Filters	Prof.T.K.Basu	IIT Kharagpur
	EC6504 Microprocessor and microcontroller	Interrupt Driven I/O	Prof.S. Raman	IIT Madras
IV / 07	EC6701 RF and microwave engineering	Smith chart and impedance matching - using lumped components	Prof.Girish Kumar	IIT Bombay
	EC6702 Optical communication and networks	Practical issues in Implementation of Fiber link	Prof. R.K. Shevgaonkar	IIT Bombay
	IT6005 Digital image processing	Frequency Domain Processing Techniques	Prof.P. K. Biswas	IIT Kharagpur
	EC6014 Cognitive Radio	Cognitive Radio - Theory, Practice and Security	Prof. Aditya K. Jagannatham	IIT Kanpur

ACADEMIC YEAR: 2016 – 2017 EVEN SEM				
YEAR / SEM	NAME OF THE SUBJECT	NAME OF THE TOPIC	RESOURCE PERSONS NAME	INSTITUTE NAME
II / 04	EC6401 Electronic circuits - II	Oscillators	Prof. A.N. Chandorkar	IIT Bombay
	EC6403 Electromagnetic Fields	Maxwell's equations and electromagnetic waves	Prof. Partha Roy Chaudhuri	IIT Kharagpur
	EC6404 Linear Integrated Circuits	Introduction to IC fabrication	Prof. Hardik J Pandya	IISc Bangalore
	EC6405 Control system engineering	Introduction to State Space Systems	Prof. RamkrishnaPasumarthy	IIT Madras
III / 06	CS6303 Computer Architecture	Amadahls law	Prof.KamalikaDatta	NIT Meghalaya
	CS6551 Computer networks	Congestion Control	Prof.S.Ghosh	IIT Kharagpur
	EC6601 VLSI Design	CMOS Technology	Dr.NanditaDasgupta	IIT Madras
	EC6602 Antenna and wave propagation	MSA Arrays-I	Prof.Girish Kumar	IIT Bombay
IV / 08	EC6801 Wireless communication	Equalization and Diversity Techniques	Dr.Ranjan Bose	IIT Delhi
	EC6802 Wireless networks	Handoff & Mobility	Prof. David Koilpillai	IIT Madras
	GE6075 Professional ethics in engineering	Workplace Rights and Responsibilities	Prof. SusmitaMukhopadhyay	IIT Kharagpur
	GE6757 Total quality management	Human Resource Management	Prof.KalyanChakravarti	IIT Kharagpur

ACADEMIC YEAR: 2017 – 2018 ODD SEM				

YEAR / SEM	NAME OF THE SUBJECT	NAME OF THE TOPIC	RESOURCE PERSONS NAME	INSTITUTE NAME
II / 03	EE6352 Electrical engineering and instrumentation	DC Machines	Prof.L.Umanand	IISc Bangalore
	EC6302 Digital electronics	Combinatioal Circuits	Prof. S. Srinivasan	IIT Madras
	EC6303 Signals and systems	Discrete Time Signal and System	Prof.T.K.Basu	IIT Kharagpur
	EC6304 Electronic circuits - I	FET/MOSFET Amplifiers and their Analysis	Prof. D.C. Dube	IIT Delhi
III / 05	EC6501 Digital communication	Quantization , PCM and Delta Modulation	Prof.Bikash. Kumar. Dey	IIT Bombay
	EC6502 Principles of Digital signal processing	Multi rate Signal Processing	Prof.T.K.Basu	IIT Kharagpur
	EC6503 Transmission lines and wave guides	Characteristic Impedance and Design of Filters	Prof.T.K.Basu	IIT Kharagpur
	EC6504 Microprocessor and microcontroller	Interrupt Driven I/O	Prof.S. Raman	IIT Madras
IV / 07	EC6701 RF and microwave engineering	Smith chart and impedance matching - using lumped components	Prof.Girish Kumar	IIT Bombay
	EC6702 Optical communication and networks	Practical issues in Implementation of Fiber link	Prof. R.K. Shevgaonkar	IIT Bombay
	IT6005 Digital image processing	Frequency Domain Processing Techniques	Prof.P. K. Biswas	IIT Kharagpur
	EC6014 Cognitive Radio	Cognitive Radio - Theory, Practice and Security	Prof. Aditya K. Jagannatham	IIT Kanpur
ACADEMIC YEAR: 2017 – 2018 EVEN SEM				

YEAR / SEM	NAME OF THE SUBJECT	NAME OF THE TOPIC	RESOURCE PERSONS NAME	INSTITUTE NAME
II / 04	EC6401 Electronic circuits - II	Oscillators	Prof. A.N. Chandorkar	IIT Bombay
	EC6403 Electromagnetic Fields	Maxwell's equations and electromagnetic waves	Prof. Partha Roy Chaudhuri	IIT Kharagpur
	EC6404 Linear Integrated Circuits	Introduction to IC fabrication	Prof. Hardik J Pandya	IISc Bangalore
	EC6405 Control system engineering	Introduction to State Space Systems	Prof. RamkrishnaPasumarthy	IIT Madras
III / 06	CS6303 Computer Architecture	AmadaHls law	Prof.KamalikaDatta	NIT Meghalaya
	CS6551 Computer networks	Congestion Control	Prof.S.Ghosh	IIT Kharagpur
	EC6601 VLSI Design	CMOS Technology	Dr.NanditaDasgupta	IIT Madras
	EC6602 Antenna and wave propagation	MSA Arrays-I	Prof.Girish Kumar	IIT Bombay
IV / 08	EC6801 Wireless communication	Equalization and Diversity Techniques	Dr.Ranjan Bose	IIT Delhi
	EC6802 Wireless networks	Handoff & Mobility	Prof. David Koilpillai	IIT Madras
	GE6075 Professional ethics in engineering	Workplace Rights and Responsibilities	Prof. SusmitaMukhopadhyay	IIT Kharagpur
	GE6757 Total quality management	Human Resource Management	Prof.KalyanChakravarti	IIT Kharagpur

ACADEMIC YEAR: 2018 – 2019 ODD SEM				
YEAR / SEM	NAME OF THE SUBJECT	NAME OF THE TOPIC	RESOURCE PERSONS NAME	INSTITUTE NAME
II / 03	EC8351 Electronic circuits - I	FET/MOSFET Amplifiers and their Analysis	Prof. D.C. Dube	IIT Delhi
	EC8352 Signals and systems	Discrete Time Signal and System	Prof.T.K.Basu	IIT Kharagpur

	EC8392 Digital Electronics	Combinational Circuits	Prof. S. Srinivasan	IIT Madras
	EC8391 Control system engineering	Design of Lead-Lag Compensators using Bode plots	Prof. RamkrishnaPasumathy	IIT Madras
III / 05	EC6501 Digital communication	Quantization , PCM and Delta Modulation	Prof.Bikash. Kumar. Dey	IIT Bombay
	EC6502 Principles of Digital signal processing	Multi rate Signal Processing	Prof.T.K.Basu	IIT Kharagpur
	EC6503 Transmission lines and wave guides	Characteristic Impedance and Design of Filters	Prof.T.K.Basu	IIT Kharagpur
	EC6504 Microprocessor and microcontroller	Interrupt Driven I/O	Prof.S. Raman	IIT Madras
IV / 07	EC6701 RF and microwave engineering	Smith chart and impedance matching - using lumped components	Prof.Girish Kumar	IIT Bombay
	EC6702 Optical communication and networks	Practical issues in Implementation of Fiber link	Prof. R.K. Shevgaonkar	IIT Bombay
	IT6005 Digital image processing	Frequency Domain Processing Techniques	Prof.P. K. Biswas	IIT Kharagpur
	EC6014 Cognitive Radio	Cognitive Radio - Theory, Practice and Security	Prof. Aditya K. Jagannatham	IIT Kanpur
ACADEMIC YEAR: 2018 – 2019 EVEN SEM				
YEAR / SEM	NAME OF THE SUBJECT	NAME OF THE TOPIC	RESOURCE PERSONS NAME	INSTITUTE NAME
II / 04	EC8452 Electronic circuits - II	Oscillators	Prof. A.N. Chandorkar	IIT Bombay
	EC8491 Commuication Theory	Gaussian Random Processes	Prof.Surendra Prasad	IIT Delhi

	EC8451 Electromagnetic Fields	Maxwell's equations and electromagnetic waves	Prof. Partha Roy Chaudhuri	IIT Kharagpur
	EC8453 Linear Integrated Circuits	Introduction to IC fabrication	Prof. Hardik J Pandya	IISc Bangalore
III / 06	CS6303 Computer Architecture	Amadahls law	Prof.KamalikaDatta	NIT Meghalaya
	CS6551 Computer networks	Congestion Control	Prof.S.Ghosh	IIT Kharagpur
	EC6601 VLSI Design	CMOS Technology	Dr.NanditaDasgupta	IIT Madras
	EC6602 Antenna and wave propagation	MSA Arrays-I	Prof.Girish Kumar	IIT Bombay
IV / 08	EC6801 Wireless communication	Equalization and Diversity Techniques	Dr.Ranjan Bose	IIT Delhi
	EC6802 Wireless networks	Handoff & Mobility	Prof. David Koilpillai	IIT Madras
	GE6075 Professional ethics in engineering	Workplace Rights and Responsibilities	Prof. SusmitaMukhopadhyay	IIT Kharagpur
	GE6757 Total quality management	Human Resource Management	Prof.KalyanChakravarti	IIT Kharagpur

ACADEMIC YEAR: 2019 – 2020 ODD SEM				
YEAR / SEM	NAME OF THE SUBJECT	NAME OF THE TOPIC	RESOURCE PERSONS NAME	INSTITUTE NAME
II / 03	EC8351 Electronic circuits - I	FET/MOSFET Amplifiers and their Analysis	Prof. D.C. Dube	IIT Delhi
	EC8352 Signals and systems	Discrete Time Signal and System	Prof.T.K.Basu	IIT Kharagpur
	EC8392 Digital electronics	Combinatioal Circuits	Prof. S. Srinivasan	IIT Madras
	EC8391 Control systems engineering	Design of Lead-Lag Compensators using Bode plots	Prof. RamkrishnaPasumarthy	IIT Madras
III / 05	EC8501 Digital communication	Quantization , PCM and Delta Modulation	Prof.Bikash. Kumar. Dey	IIT Bombay

	EC8553 Discrete - time signal processing	FIR Design by Frequency Sampling	Prof.S. C Dutta Roy	IIT Delhi
	EC8552 Computer architecture and organization	Amadahl's law	Prof.KamalikaDatta	NIT Meghalaya
	EC8551 Communication Networks	Network Security [TCP/IP Security]	Prof. SoumyaKanti Ghosh	IIT Kharagpur
IV / 07	EC6701 RF and microwave engineering	Smith chart and impedance matching - using lumped components	Prof.Girish Kumar	IIT Bombay
	EC6702 Optical communication and networks	Practical issues in Implementation of Fiber link	Prof. R.K. Shevgaonkar	IIT Bombay
	IT6005 Digital image processing	Frequency Domain Processing Techniques	Prof.P. K. Biswas	IIT Kharagpur
	EC6014 Cognitive Radio	Cognitive Radio - Theory, Practice and Security	Prof. Aditya K. Jagannatham	IIT Kanpur



9.5 Career Guidance, Training, Placement (10)

Total Marks 10.00

Institute Marks : 10.00

Career Guidance Committee:

Functions of the Committee

1. To arrange Seminars / Workshops on Career opportunities
2. To arrange GATE/GRE/TOEFL / IELTS / GMAT / CAT coaching classes.
3. To conduct mock tests for competitive examinations.
4. To arrange interactive sessions between alumni and students.
5. To procure study material and make it available in the Library/Intranet.

6. Display of Posters, Notices relating to Opportunities

7. To send e-Mails to students about Off campus interviews

8. To put in the what's app group about both ON & OFF campus interviews.

9. To arrange guest lectures on Career guidance & on Higher Studies.

The Career guidance cell and Training & Placement department in coordination with Student section Counsellors keeps students abreast with the opportunities of higher studies on regular basis. Posters, circulars of all such opportunities are displayed on T&P notice board.

CAY 2016-2017

SI.NO.	NAME OF ALUMINI	COURSE	SPECIALIZATION	INSTITUTION	<u>CAY 2017-2018</u>
1	D.X.Kevin Raj Kumar	PG DIPLOMA	INFORMATION TECHNOLOGY	EASTERN INSTITUTE OF TECHNOLOGY, NEWZEALAND	
2	EVANGELIN EBENEZER .A	M.E	WIRELESS TECHNOLOGY	MIT,CHENNAI	
3	NIVEDHA .V	M.E	Electrical and Computer program	Carleton University, GERMANY	
4	SHINE ANGEL .R	M.S	Networking	Dalhousie University,Canada	
5	HARINI LAKSHMI .P	MBA	Human Resources	Anna University	
SI.NO.	NAME OF ALUMINI	COURSE	SPECIALIZATION	INSTITUTION	
1	Soumya Anand	M.Sc	BUSINESS MANAGEMENT	NATIONAL UNIVERSITY OF IRELAND,EUROPE	

2	Praveen Kumar M	MBA	HUMAN RESOURCES	SRI SAIRAM INSTITUTE OF TECHNOLOGY
3	Rathi Priya R	MBA	HUMAN RESOURCES	ANNA UNIVERSITY,CHENNAI

CAY 2018-2019

SI.NO.	NAME OF ALUMINI	COURSE	SPECIALIZATION	INSTITUTION
1	S.KRISHNA	MBA	HUMAN RESOURCES	ANNA UNIVERSITY,CHENNAI
2	SASHI KUMAR.R	MBA	HUMAN RESOURCES	MADRAS UNIVERSITY
3	BHEEMA NASRIN	MBA	BUSINESS ADMINISTRATION	VELS UNIVERSITY,CHENNAI
4	VISHVA NAVEENA M	MBA	HUMAN RESOURCES	ANNA UNIVERSITY,CHENNAI

TRAINING SUPPORT GIVEN FOR STUDENTS:

CAY 2016-2017

S.NO	DATE	YEAR	SEMESTER	TRAINING NAME
1	17/07/2014	II	III	Personality Development
2	11/09/2014	II	IV	Verbal Ability
3	06/02/2015	II	IV	Aptitude
4	24/07/2015	III	V	Personality Development
5	25/09/2015	III	VI	Verbal Ability
6	19/2/2016	III	VI	Aptitude
7	19/08/2016	IV	VII	Interview Readiness Program
8	23/9/2016	IV	VII	Verbal Ability
9	24/3/2017	IV	VIII	Aptitude

CAY 2017-2018

S.NO	DATE	YEAR	SEMESTER	TRAINING NAME
1	17/07/2015	II	III	Personality Development
2	25/09/2015	II	IV	Verbal Ability

3	26/02/2016	II	IV	Aptitude
4	26/8/2016	III	V	Personality Development
5	23/09/2016	III	VI	Verbal Ability
6	27/02/2017	III	VI	Aptitude
7	25/8/2017	IV	VII	Interview Readiness Program
8	26/01/2018	IV	VII	Verbal Ability
9	23/02/2018	IV	VIII	Aptitude

CAY 2018-2019

S.NO	DATE	YEAR	SEMESTER	TRAINING NAME
1	12/08/2016	II	III	Personality Development
2	23/09/2016	II	IV	Verbal Ability
3	10/02/2017	II	IV	Aptitude
4	14/07/2017	III	V	Personality Development
5	18/8/2017	III	VI	Verbal Ability
6	26/01/2018	III	VI	Aptitude

7	31/8/2018	IV	VII	Interview Readiness Program
8	25/01/2019	IV	VII	Verbal Ability
9	22/02/2019	IV	VIII	Aptitude

CAY 2019-2020

S.NO	DATE	YEAR	SEMESTER	TRAINING NAME
1	14/7/2017	II	III	Personality Development
2	18/8/2017	II	III	Verbal Ability
3	26/01/2018	II	IV	Aptitude
4	27/07/2018	III	V	Personality Development
5	31/8/2018	III	V	Verbal Ability
6	25/01/2019	III	VI	Aptitude
7	23/8/2019	IV	VII	Interview Readiness Program
8	24/01/2020	IV	VII	Verbal Ability
9	28/02/2020	IV	VIII	Aptitude

PLACEMENT DETAILS**CAY 2016-2017**

S.No	Name of the Student	Dept	Company Name	Sector	Salary Per Annum
1	Antony Xavier A	ECE	Tech mahindra	IT	Rs.1,30,000
2	Anu B	ECE	Tech mahindra	IT	Rs.1,30,000
3	Aswini P	ECE	Tech mahindra	IT	Rs.1,30,000
4	Evangelin Ebenezer A	ECE	Tech mahindra	IT	Rs.1,30,000
5	Gopinath G	ECE	Tech mahindra	IT	Rs.1,30,000
6	Harinee N	ECE	Tech mahindra	IT	Rs.1,30,000
7	Harinilakshmi P	ECE	Tech mahindra	IT	Rs.1,30,000
8	Hemavathi .P	ECE	Tech mahindra	IT	Rs.1,30,000

CAY 2017-2018

CAY 2018-2019

9	Jacquelin R	ECE	Tech mahindra	IT	Rs.1,30,000
10	Joyce Rebecca V	ECE	Tech mahindra	IT	Rs.1,30,000
11	KarthikVikram T K	ECE	Tech mahindra	IT	Rs.1,30,000
12	Kevin Raj Kumar DX	ECE	Tech mahindra	IT	Rs.1,30,000
13	MedapaHarichandhana	ECE	Sutherland	BPO	Rs.1,20,000
14	Nandhini S	ECE	Dhonadhi	IT	Rs.1,20,000
15	Pavithra P R	ECE	Tech mahindra	IT	Rs.1,30,000
16	Priya S	ECE	Tech mahindra	IT	Rs.1,30,000
17	Priyanka.D	ECE	Hexaware	IT	Rs.1,20,000
18	Priyavardini.S	ECE	Dhonadhi	IT	Rs.1,20,000

19	Ramprasad.V	ECE	Tech mahindra	IT	Rs.1,30,000
20	RishapRaj	ECE	Tech mahindra	IT	Rs.1,30,000
21	Sandhiya A P	ECE	Tech mahindra	IT	Rs.1,30,000
22	Sanjana.A	ECE	Sutherland	BPO	Rs.1,20,000
23	SavithaShree.B.S	ECE	Tech mahindra	IT	Rs.1,30,000
24	Shakila G	ECE	Dhonadhi	IT	Rs.1,20,000
25	SherineEmima	ECE	Tech mahindra	IT	Rs.1,30,000
26	Shine Angel.R	ECE	Tech mahindra	IT	Rs.1,30,000
27	Sindhuja B	ECE	Tech mahindra	IT	Rs.1,30,000
28	UshaNandhini S	ECE	Tech mahindra	IT	Rs.1,30,000

29	YadavSathyaRajangam	ECE	Sutherland	BPO	Rs.1,20,000
S.No	Name of the Student	Dept	Company Name	Sector	Salary Per Annum
1	Jeevitha	ECE	Sensiple Software Solutions Pvt.Ltd	IT	Rs.2,40,000
2	AbisheikMcferran	ECE	Sensiple Software Solutions Pvt.Ltd	IT	Rs.2,40,000
3	SruthiNarayani	ECE	Sensiple Software Solutions Pvt.Ltd	IT	Rs.2,40,000
4	Uma Maheswari	ECE	Sensiple Software Solutions Pvt.Ltd	IT	Rs.2,40,000
5	Rishi Gopikrishnan	ECE	Sensiple Software Solutions Pvt.Ltd	IT	Rs.2,40,000
6	Sunil Dev	ECE	Sensiple Software Solutions Pvt.Ltd	IT	Rs.2,40,000
7	S.Bharathi	ECE	Zealous Services	IT	Rs.1,40,000
8	Divya.J	ECE	Zealous Services	IT	Rs.1,40,000

9	K.Divya lakshmi	ECE	Zealous Services	IT	Rs.1,40,000
10	M.Karthick	ECE	Zealous Services	IT	Rs.1,40,000
11	D.Mobisha	ECE	Zealous Services	IT	Rs.1,40,000
12	R.Rathi Priya	ECE	Zealous Services	IT	Rs.1,40,000
13	S.Saravanan	ECE	Zealous Services	IT	Rs.1,40,000
14	L.Sivaranjini	ECE	Zealous Services	IT	Rs.1,40,000
15	R.Suguna	ECE	Zealous Services	IT	Rs.1,40,000
16	P.S.Rakhesh Devaraj	ECE	Zealous Services	IT	Rs.1,40,000
17	M.Keerthana	ECE	Zealous Services	IT	Rs.1,40,000
18	U.Hariharasudhan	ECE	Zealous Services	IT	Rs.1,40,000

19	J.Richie Bernard	ECE	Zealous Services	IT	Rs.1,40,000
20	C.Divya Prabha	ECE	Paragon Digitals	IT	Rs.1,80,000
21	S.Gokula Krishnan	ECE	Paragon Digitals	IT	Rs.1,80,000
22	K.Sankara Narayanan	ECE	Paragon Digitals	IT	Rs.1,80,000
23	Y.Soniya	ECE	Paragon Digitals	IT	Rs.1,80,000
24	R.Deepa	ECE	Paragon Digitals	IT	Rs.1,80,000
25	R.Nandhinee	ECE	Paragon Digitals	IT	Rs.1,80,000
26	A.Ajith	ECE	Paragon Digitals	IT	Rs.1,80,000
27	T.Sriram	ECE	Paragon Digitals	IT	Rs.1,80,000
28	S.Ramya	ECE	Aegis Limited	IT	Rs.1,40,000

29	W.Shakila	ECE	Aegis Limited	IT	Rs.1,40,000
30	S.Pavitha	ECE	Aegis Limited	IT	Rs.1,40,000
31	I.Karthick	ECE	Aegis Limited	IT	Rs.1,40,000
32	E.Sowndarya	ECE	Aegis Limited	IT	Rs.1,40,000
33	S.Thanuja	ECE	Aegis Limited	IT	Rs.1,40,000
34	P.Venkatesh Prasad	ECE	Aegis Limited	IT	Rs.1,40,000
35	A.Sumithra	ECE	Aegis Limited	IT	Rs.1,40,000
36	P.Vidhyakaran	ECE	Aegis Limited	IT	Rs.1,40,000
37	S.Immanuvel David Raj	ECE	Aegis Limited	IT	Rs.1,40,000
38	M.Srinivasa Ragavan	ECE	Aegis Limited	IT	Rs.1,40,000

39	S.Mohan Prabhu	ECE	Aegis Limited	IT	Rs.1,40,000
40	Mustafa.F.Motani	ECE	Aegis Limited	IT	Rs.1,40,000
41	V.Vidhyalakshmi	ECE	Aegis Limited	IT	Rs.1,40,000
42	R.Swathika	ECE	Aegis Limited	IT	Rs.1,40,000
43	S.Srinath	ECE	Aegis Limited	IT	Rs.1,40,000
44	Soumya Anand	ECE	Sytel India	IT	Rs.2,40,000
45	S.Bhuvanesh Kumar	ECE	Aagna Global	IT	Rs.1,20,000
46	P.Deepa	ECE	Aagna Global	IT	Rs.1,20,000
47	S.Kumaran	ECE	Aagna Global	IT	Rs.1,20,000
48	M.Praveen Kumar	ECE	Aagna Global	IT	Rs.1,20,000

49	R.Sudhan Kumar	ECE	Aagna Global	IT	Rs.1,20,000
50	I.C.Nivedha	ECE	Aegis Limited	IT	Rs.1,40,000
51	A.Abinaya	ECE	Aagna Global	IT	Rs.1,20,000
52	V.Hindumathi	ECE	Aagna Global	IT	Rs.1,20,000
53	M.Nivetha	ECE	Aagna Global	IT	Rs.1,20,000
54	M.Parthiban	ECE	Vishay Precision	Core	Rs.1,80,000
55	V.G.Lakshmi Priya	ECE	Vishay Precision	Core	Rs.1,80,000
56	K.Vishnu Priya	ECE	Vishay Precision	Core	Rs.1,80,000
S.No	Name of the Student	Dept	Company Name	Sector	Salary Per Annum
1	Raj Kumar.S	ECE	Tech mahindra	IT	Rs.1,16,500

2	Pradeepa. E	ECE	Tech mahindra	IT	Rs.1,16,500
3	Mythily. S	ECE	Tech mahindra	IT	Rs.1,16,500
4	Priyadharshini. T	ECE	Tech mahindra	IT	Rs.1,16,500
5	VishwaNaveena. M	ECE	Hexaware	IT	Rs.2,00,000
6	Deepthi. K	ECE	Hexaware	IT	Rs.2,00,000
7	Abinеш.D	ECE	Hexaware	IT	Rs.2,00,000
8	PonselvaPriya. B	ECE	Hexaware	IT	Rs.2,00,000
9	Keerthiga. R	ECE	Hexaware	IT	Rs.2,00,000
10	Kamini. D	ECE	Hexaware	IT	Rs.2,00,000
11	Naganandhini. G	ECE	Hexaware	IT	Rs.2,00,000

12	Karthikeyan. R	ECE	Podhigai Power Solutions Pvt Ltd	Core	Rs.1,75,000
13	Stephen. R	ECE	Podhigai Power Solutions Pvt Ltd	Core	Rs.1,75,000
14	Mutharasi.A.M	ECE	VPG	Core	Rs.1,44,000
15	Periyanayaki. G	ECE	VPG	Core	Rs.1,44,000
16	Ragul. S	ECE	VPG	Core	Rs.1,44,000
17	Lavanya. A	ECE	VPG	Core	Rs.1,44,000
18	Srinithi.K	ECE	VPG	Core	Rs.1,44,000
19	Sowmiya. R	ECE	VPG	Core	Rs.1,44,000
20	Ganesh Kumar.K	ECE	Just Connect Electricals Pvt Ltd	Core	Rs.1,30,787

21	Vignesh. G	ECE	Just Connect Electricals Pvt Ltd	Core	Rs.1,30,787
22	Yogesh. R	ECE	Just Connect Electricals Pvt Ltd	Core	Rs.1,30,787
23	DeerajManjaray	ECE	eNoah	BPO	Rs.2,24,000
24	Keerthiga. P	ECE	eNoah	BPO	Rs.2,24,000
25	Kaviya. E	ECE	Syrma Technology	Core	Rs.1,30,000
26	Priyanka.G	ECE	Syrma Technology	Core	Rs.1,30,000
27	Deepika.S	ECE	Syrma Technology	Core	Rs.1,30,000
28	Pradeepa. P	ECE	Syrma Technology	Core	Rs.1,30,000
29	Sharmila. C	ECE	Syrma Technology	Core	Rs.1,30,000
30	SindhuJyothi.R	ECE	Syrma Technology	Core	Rs.1,30,000

31	Abirami.A	ECE	Syrma Technology	Core	Rs.1,30,000
32	Vinodha.M	ECE	Syrma Technology	Core	Rs.1,30,000
33	Charumathi.T	ECE	Syrma Technology	Core	Rs.1,30,000
34	Nivedha Jenifer. J	ECE	Indium Software	IT	Rs.2,50,000
35	Pravalika.P	ECE	Indium Software	IT	Rs.2,50,000
36	Parthiban.M	ECE	Indium Software	IT	Rs.2,50,000
37	Naufal Mohammad Habib	ECE	Indium Software	IT	Rs.2,50,000
38	AksharaKairali	ECE	Indium Software	IT	Rs.2,50,000
39	Mythily. S	ECE	Indium Software	IT	Rs.2,50,000
40	Jayashree.S	ECE	Indium Software	IT	Rs.2,50,000

41	Bhavani. D	ECE	Indium Software	IT	Rs.2,50,000
42	Naganandhini	ECE	Indium Software	IT	Rs.2,50,000
43	Ajay Sobi. S	ECE	IDBI Federal	Insurance	Rs.3,00,000
44	AbineshAjith R.C	ECE	IDBI Federal	Insurance	Rs.3,00,000
45	Hemamalini. D	ECE	IDBI Federal	Insurance	Rs.3,00,000
46	Indra. D	ECE	IDBI Federal	Insurance	Rs.3,00,000
47	Krishna. S	ECE	IDBI Federal	Insurance	Rs.3,00,000
48	Kishore.S	ECE	IDBI Federal	Insurance	Rs.3,00,000
49	Manikandan	ECE	IDBI Federal	Insurance	Rs.3,00,000
50	Priyanka. G	ECE	IDBI Federal	Insurance	Rs.3,00,000

51	Sowmiya. S	ECE	HCL	IT	Rs.3,25,000
52	Sirajuddin. G	ECE	HCL	IT	Rs.3,25,000
53	Nivedha. L	ECE	HCL	IT	Rs.3,25,000
54	Ramya. V	ECE	TCS	IT	Rs.3,25,000

9.6 Entrepreneurship Cell (5)

Total Marks 5.00

Institute Marks : 5.00

The Entrepreneurship Development Cell (EDC) is dedicated to encourage, promote and facilitate entrepreneurial activities among students of our institution. The cell regularly organizes different activities and events to train and motivate the students on entrepreneurship. This cell acts as facilitator and resource institution to motivate, guide and help prospective and existing entrepreneurs in their entrepreneurial endeavors / efforts through positive training interventions.

INAUGURATION:



Entrepreneurship Development Innovation Institute Cell was inaugurated with the participation of 125 students. Ever since its inception, the cell has embarked on its flagship programme of continuous innovative thinking in order to enhance the country's economy. In view of the worldwide shortage of jobs (both government and private sectors) leading to unemployment problems and lack of proper utilization of human resources; the cell strives to identify talented youth to entrepreneurial works.

WORKSHOP ON “Future of E-Commerce and Social Media for Entrepreneurs” on between 20&22nd December 2017

Entrepreneurship Development Cell of PERI Institute of Technology, conducted a three days workshop on “**Future of E-Commerce and Social Media for Entrepreneurs**” on between 20&22nd December 2017 to motivate our students towards entrepreneurship. Eminent and young entrepreneurs like **Ms.Aashna Chaprana, Campaign Manager** from **Josh Talks**, **Mr.Sibidharan Nandhakumar, CEO** of **Aftertutor** and **Mr.Shriram, Founder** of **PrimeFort** joined with us wholeheartedly and made our day a grand success. Around 120 students from various departments were participated in the program and few faculties also joined with us.

The day started out with an inspiring speech from our respected **Principal Dr.R.Palson Kennedy** about entrepreneurship.

The chief guest for the inaugural day **Ms.Aashna Chaprana** was felicitated by our **ECE Head of the Department, Dr.P.R.Jasmine Jeni**. **Mr.Sibidharan Nandhakumar** and **Mr.Shriram** were felicitated by our beloved Principal **Dr.R.Palson Kennedy** on the valedictory function.

Ms.Aashna Chaprana started the session by giving loads of information to the students about the positive uses and benefits of the social media in our path to become a successful entrepreneur. She also gave various ideas of how to improve one's business. She then shared about Josh talks, its advantages and all the features and helpful information that it provided. The discussion was very useful.

Then the following day session was then taken over by **Mr.Sibidharan Nandhakumar** the emerging entrepreneur with his knowledge in cyber crime and hacking. He shared his precious thoughts and knowledge about how to survive as an entrepreneur in spite of all the hardships to come. **Mr.Sibidharan Nandhakumar** speech was encouraging and motivational.

The final day speech was given by **Mr.Shriram** who also an emerging entrepreneur who runs 3 companies at the age of just 21. **Mr.Sriram** shared his life stories on how he managed all the hardships in life and emerged as a successful entrepreneur, he also made a point that, to become a successful entrepreneur one's education must not be stopped.

All the enlightening and motivational speech from our chief guests made the day a very auspicious one.-EDC-I-Conference Hall-PERIIT

Group Photo with Guests & few students –EDC-I

The day was concluded with a vote of thanks conveyed by the **EDC co-ordinator Mr.B.Magesh** on behalf of PERI Institute of technology.

ENTREPRENEURSHIP AWARENESS CAMP REPORT (10/09/18-12/09/18)-2018-19

In order to nurture the idea of entrepreneurship among the students, PERIT started an entrepreneurial cell in the year 2016. The Cell aims at creating an entrepreneurial ecosystem in the campus. It aims to develop and support new and future entrepreneurs thereby striving towards building the capacity of a technology entrepreneur, assessing demand opportunity, developing a marketable product, patenting and licensing, building the right team, raising money and creating value for customer and ventures. The college aims to set up an incubation center that gives a forum for students to translate an idea into a fundable technology business.

FIRST DAY (10/09/18)

A DST – NIMAT Sponsored entrepreneurship awareness camp was organized on 10th, 11th and 12th of September 2018. The chief guest of the programme **Mr.V.Sethupathy, Manager, District Industries Centre along with our Honorable Chairman Mr.Saravanan Periasamy inaugurated the function by lighting The Lamp.** Dr.Palson Kennedy, Principal PERIIT, welcomed the gathering and congratulated all the students on their interest towards Entrepreneurship. In his note he added, “Government of India is taking many initiatives to build an entrepreneurial ecosystem in the country by imparting quality entrepreneurial education at the college level and PMKVY is such a scheme that builds the system of producing successful entrepreneurs.” He advised the students to make use of this great opportunity to get certified by the Government of India.

Mr.Saravanan Periasamy, Chairman of PERIIT begins the first session of the day with the key note on “**Emergence of Entrepreneurs**”. He interacted with the students that what drives them towards to become an entrepreneur and who are really interested towards achieving it. Many students from audience replied to his question skillfully, and then he picked the replies and gave a good suggestion which was really needed for the students.

Mr.Magesh, Asst. Prof and Coordinator ED Cell introduced Mr.V.Sethupathy, the resource person, to the audience. Mr.V.Sethupathy the chief guest of the session talked about **Secure Financing for New Business** also covered ‘Practicing entrepreneur’s success stories – common problems faced by entrepreneurs’. He defined entrepreneur and explained principles in entrepreneurship. He also encouraged students to pursue their dream no matter what it may be. he gave wonderful examples about stakeholders and how not to be discouraged by criticism. he made students aware of the importance of learning and using English on their own. He further explained the term ‘start-up’ and the help of government for giving on start-up based opportunities on criteria up to 5 years.he also advised them to consider the government policies for training. he said “If you want to do successful business then be different from others, read success stories, do smart work, know the causes of failure in business and learn team work”, and explained how to analyze, take good and ignore the rest. It was an informative motivational talk which was needed for the students; they gained awareness about the government loans and subsidies against the total amount.

The chief guest was **Mr. Messiah Bose, Director of Alder Instruments**. In his speech he highlighted **Qualities to become an entrepreneur, and Intrapreneur**, the role of entrepreneurship in economic growth of country and also highlighted problems faced by entrepreneurs to start new venture and solutions to address them. He talked about the merits and risks of becoming an entrepreneur; He explained the types of entrepreneur clearly to the students. He suggested students to get benefited from various programs of govt of India under ministry of industries for initial capital investment and also explained the procedure to be followed to get register startup companies. Then the session ended with video of the young disabled entrepreneur which made the students to get enlightened with the chief guest speech.

DAY II (11/09/18)

Having inspired by the first day speech of chief guests, the students were able to learn about the management skills which is required to do a business and they gained knowledge about how to start a business and how to overcome the difficulties and obstacles which they need to face in a business life.

The day started with motivational thought that arouse spirit among the students. The felicitation was done by the Chairman Mr.Saravanan Periasamy then followed by the welcome address of the chief guest **Mr.Susindran Swaminathan, CEO Kay ventures** private limited by the student Anirudh, final year civil department.

Then the chief guest addressed the students by his wonderful speech. He enumerated the relationship between love and business which aroused the students attention. He entitled his speech by **Highs and Lows of Entrepreneurship**. Then he spoke about the incubation centre which is a platform in which we are committed to provide all the facilities which are required for the startup communities and advised the chairman to have an incubation center in college premises. He gave collective information about the procedure for applying a loan also he covered **Transforming Global Economy**.

Session started with the chief guest felicitation by the principal, Dr.Palson Kennedy. **Dr. Ramakrishnan, Deputy Director, MSME, Govt of India** addressed the students. He explained the types of entrepreneur clearly to the students. He suggested students to get benefited from various programs of govt of India under ministry of industries for initial capital investment and also explained the procedure to be followed to get registered in the startup companies.

Mr.Arif Ahmed, President, True RCM solutions addressed the gathering about how the successful entrepreneur should be by narrating his own story. He spoke about the **IT scenario for Entrepreneurs** and insists the importance of **Team Building and self Assessment** in becoming an entrepreneur.

DAY III (12/09/18)

The session started up with the field visit by the students to Super Auto Forge Private Limited, Chennai. Two days workshop and Field visit helped the budding entrepreneurs to gain practical knowledge.

Afternoon session started around 2 pm with the felicitation for the chief guest Mr.Varadarajan M.D., Amalgamated Engineers private Limited, by the chairman, followed by welcome address by the student of ECE department.

The chief guest Mr.Varadarajan spoke about the **Manufacturing Scenario for Entrepreneurship and its Need to become an Entrepreneur** since he was an expert in mechanical engineering. He gave many suggestions for mechanical students, then he spoke about the **Micro Enterprises**, this session ended with the interaction among students with the chief guest.

Valedictory function was arranged around 3pm, certificates were distributed by the chief guest to the students.

Finally the programme ended with National Anthem.

Declaration Form

Dear Sir,

This is to inform MHRD Innovation Cell (MIC) that, the Institution's Innovation Council (IIC) was formed as per the prescribed format by MIC under the President ship of **Mr. Sravanan Periasamy**. As institution, we are committed to support activities suggested by MIC as per the prescribed schedule and timelines. Please find below the details regarding council members.

Experts	Designation	No	Name
Senior Faculty Member of the Institution	President	1	Dr.R.Palson kennedy
Faculty Member	Convener	1	Dr A. Nageswaran
Faculty Member	Member	1	Dr Jasmine Jeni
IICs Coordinator (Student)	Coordinator	1	Mr G.Aravind
Representative from nearby Incubation Centre	Member	1	Mr. B. Magesh
Representatives of SIDBI / NABARD / Lead Bank / Investor	Member	1	Mr.Sugumar , IOB, Mannivakkam Branch
Technical Experts from nearby Industry	Member	2	1.Mr.Paul sundar Singh,VP-Technology Accenture Technology. 2.Mr.V.Ravindaran- TAFE R& D – Principal Member
Alumni Entrepreneurs from the Host Institutions (Optional)	Member	1	Mr.Khaleel Naina Mohammed
Patent Expert (Optional)	Special Invitee	1	Mr. Thiyagara Gupta ,IPR ,Chennai

Students from the host institution	Member	15	1.Miss.Kanimozhi-III year CSE 2.Mr M Manojkumar- II year CIVIL 3.Mr. DAjithkumar -II year CIVIL 4.Mr.M. Karthick III year CIVIL 5.Mr.N. Arun II Year EEE 6. Mr.S. Mukesh- II year EEE 7.Mr.C. Sugan- II year EEE 8. Mr.K.Vivek- II Year EEE 9. Mr.K. Gokula Raja –IV yearECE 10. Ms. C.K. Keerthana – III year ECE 11. Ms.J. Nivetha- III year ECE 12.Mr.S. Mohan Babu -III year MECH 13.Mr. S. Raj – III year MECH 14.Mr.M. Sam Prince–III Year MECH 15. Mr.R. Dinesh – III year MECH
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Details of Alumni Entrepreneurs

S.No	Name of the Alumni	Academic Year	Name of the Enterprise	Product/Service	Annual Turnover
1.	Mr. Ranjith	2015-2019	Mobile solutions	Product & Service	3 Lakhs

2.	Mr.Sashi Kumar Mr. Naveen Mr.Yogesh	2015-2019	Terrace Gardening	Product & Service	2.5 Lakhs
3.	Mr.Kesavan	2014-2018	Vintage Printing solutions	Product	10 Lakhs
4.	Mr.Mustafa Motani	2014-2018	The Bombay Motor Accessories Agency	Product	3.5 Lakhs

9.7 Co-curricular and Extra-curricular Activities (10)

Total Marks 10.00

Institute Marks : 10.00

Co curricular Activities:

Every year there are abundant of stimulating programs and activities from which students may select, for challenging and important use of their out of classroom time. Broadly known as co curricular activities, these opportunities for involvement of college life, offering students additional avenues in which to explore their talents, passions and interests:

- As a part of co curricular activities, paper presentation contests, quiz contests, project exhibitions, software contests, robotic competitions, workshops, seminars, value added courses and guest lectures are organized.
- National level events are organized every year in each department.
- Every year each department organizes a National level Technical Symposium.
- Every year the institution organizes either a National or International Conference.
- Students participate in various events like workshop, symposium, conference, project competition conducted by other institutions.

Industrial Visits are arranged every semester for the students to get accustomed with the industrial environment.

Technical Events (2016 to 2019)

Sl. No	Date	Title	Resource person with designation
1.	13.08.2019	One day seminar on "Internet of Things (IOT)"	Mr. S. Kalidas and Mr. Karthick, Corporate Trainer, Ifand for Endeavours, Chennai.
2.	03.08.2019	One day workshop on "Intellectual Property Rights"	Mr.D. ThiyagarajaGuptha, Asst. Controller of Patents and Designs, Patents Office, Guindy, Chennai.
3.	22.03.2019 to 23.03.2019	International Conference-ICIRCC'19	Chief Guest Dr.Muaviyath Mohammed, Deputy Vice Chancellor, the Maldives National University
4.	28.08.2018	One day Seminar on "Software on wheels -Neural Networks"	Mr. K. Vignesh, CEO- Insertion Systems, Chennai.
5.	15.09.2018	Symposium	Organized by ECE Department
6.	01.09.2018 to 02.09.2018	Hackathon PERI18	Mr. Markandan, Assistant Professor of Anand Institute of higher technology
7.	26.07.2018 to 27.07.2018	Advanced Robotics Level 2 Training	Organized by ECE department
8.	17.07.2018 to 18.07.2018	Industrial visit	Bharat Sanchar Nigam Limited (BSNL), Chennai
9.	17.07.2018	One day seminar on "Robotics and 3D Printing"	Mr. Ananda Rajan, Team Leader, RETECH Solutions, Chennai
10.	11.07.2018	One day Seminar on "Telecommunication and Networks"	Mr.Dominic SavioHiruthayaraj, Assistant Director of Network Operation, BSNL, Chennai.
11.	10.07.2018	Robofest'18	Organized by ECE depart
12.	06.07.2018	Mini Project demonstration on "Ultrasonic Sensor using Arduino Board"	Mr. Ajay Sobi and Mr. K. Ganeshkumar Alumini, PERIIT, Chennai
13.	07.04.2018 to 08.04.2018	International Conference-ICIRCC'18	Dr.LochandakaRanathunga, Prof & Head, Department of Information Technology, University of Moratuwa,Katubedda, Moratuwa, Sri Lanka

Sl. No	Date	Title	Resource person with designation
14.	07.03.2018	Industrial Visit to Robotics Automation	III rd year ECE department Mechatronics Private Limited located at Maraimalainagar
15.	02.03.2018	Industrial Visit to ISRO	III rd year ECE department Satish Dhawan Space centre (SDSC) Shar, Sriharikota
16.	22.02.2018	Guest lecture on “Combinational Logic Circuits, Implementation Strategies	Mr.Sathish Kumar, Assistant Professor, T.J.S. Engineering college, Pudukkottai, Tamil Nadu 601206.
17.	08.02.2018	Workshop on Embedded Systems(Arduino and Raspberry Pi)	Mr. Senthil Kumaran, Corporate Trainer, Scube Techno Academy, Chennai
18.	22.01.2018	Guest lecture on “Static Electric Field, Magnetic Forces and Materials”	Mr.M.Kumaraguru, Assistant Professor, Sri Venkateswara Institute of Science & Technology, Kolundhalur Road, Tiruvallur, Tamil Nadu 631203
19.	08.12.2017 & 09.12.2017	Two Days National Level Workshop on “Advanced Embedded System Design using PIC Microcontroller”	Mr.SubaramSubbiah, Principal Engineer – IC Design, Broadcom India PVT.LTD, Chennai
20.	30.08.2017 to 31.08.2017	Two days National Workshop on “Robotics Automation with ESP 8266 - 2017”	Makers Arena Pvt Ltd., Chennai.
21.	16.08.2017	Guest lecture on “Transmission Lines, Wave Guides and Cavity Resonators”	Mr.Antonyvigil, AP Sri Venkateswara Institute of Science & Technology, Kolundhalur Road, Tiruvallur, Tamil Nadu 631203
22.	08.08.2017	Snapthon's 17	Organized by ECE department
23.	11.07.2017	Guest lecture on “IC MOSFET Amplifiers, Biasing of Discrete BJT and MOSFET”	Mr.Saravanan, AP, Aksheyaa College of Engineering, Maduranthagam Taluk, Puludivakkam, Tamil Nadu 603314
24.	01.07.2017	Campus Chronicles	Mr.Balaji Raman, Chief Technology Officer, CLASSLE KNOWLEDGE PVT. LTD., Chennai.
25.	30.06.2017 to 01.07.2017	Two Days National Level Workshop on Communication And Image Processing Using MATLAB	Mr. Markandan, Assistant Professor of Anand Institute of higher technology

Sl. No	Date	Title	Resource person with designation
26.	04.04.2016	PERISE 2016 – National Level Conference	Dr. T.V. GOPAL, Professor in the Department of Computer Science and Engineering, College of Engineering, Guindy, Anna University, Chennai

Extracurricular Activities:

Extracurricular activities have wide horizon to cater to the cultural, social, aesthetic development of the students. Intellectual aspects of personality are solely accomplished by classroom, while aesthetic development, character building, spiritual growth, physical growth, moral values, creativity, etc. are supported by cocurricular activities and extracurricular Availability of Sports and Cultural Facilities

Sports Ground Facilities:

The institution has a huge sports ground facility. Students are encouraged to participate in various zonal and inter zonal tournaments. Sports week is celebrated every year with various sports events like Long Jump, Volleyball, Table Tennis, Carrom etc. To manage all sport activities, a well qualified physical education faculty is appointed.

Physical Director – Mr. Arul

Our institution has the following sports ground facilities:

- Athletic Track
- Badminton Court
- Basket Ball Court
- Cricket Ground
- Foot Ball Field
- Throw Ball Court
- Volley Ball Court

SPORTS EVENTS ORGANIZED IN PERI CAMPUS

CAY 2016-17

SL.NO.	EVENT	VENUE
1	Interschool Basketball tournament	PERI Campus
2	Staff cricket tournament	PERI Campus

CAY 2017-18

SL.NO.	EVENT	VENUE
1	ANNA University Zone Basket ball for women	PERI Campus
2	ANNA University Zone Kho-Kho for boys	PERI Campus
3	Kho-Kho tri series	PERI Campus
4	Cricket tournament for IT companies	PERI Campus

CAY 2018-2019

SL.NO.	EVENT	VENUE
1	Basket ball tri series	PERI Campus
2	Athletics event for IT Companies	PERI Campus
3	Cricket tri series for students	PERI Campus
4	Kabbadi tri series	PERI Campus

Major Achievements in Sports:**CAY 2016-17**

Sl.No	Event	VENUE	Achievement
1	All India Inter University Nationals	Banaras Hindu University, Varanasi	Bronze Medal
2.	Pre Nationals South Zone	Muttom,Kerala	Bronze Medal
3	Football-MNFC(Open Tournament)	Muttom,Kerala	Cash Prize-Rs.7000
4	National Football Competition	Muttom,Kerala	3 rd Place

5	Hockey	MIT,Chennai	Runners
6	Basket Ball-HDFC Tournament	Dhanalakshmi College of Engineering,Tambaram	4 th place

CAY 2017-2018

SI.NO.	Name of the student	Department	Event	Achievement
1	Sri Lakshmija	CSE	100m	3 rd place
2	Balambigai	EEE	Shortput	Silver medal
3	Balambigai	EEE	Discus	Gold
4	Vidhyakaran	ECE	400m	Bronze medal
5	Pravin Jothi	ECE	400m	Bronze Medal



ZONE IV Games

SL.NO.	EVENT	ACHIEVEMENT
1	Kho Kho	Quater finals
2	Basket Ball	III place
3	Hand Ball	IV place

Inter Engineering College tournaments

Sl. No.	Event	VENUE	Achievement
1	Football	Dhanalakshmi Engineering College	Runners
2	Football	CIT	Winners
3	Football	CIT 5 star tournament	3 rd place
4	Handball	SRR college of engineering	Winners
5	Cricket tri series	Mohammed Sathak Engineering college	Winner
6	Kabbadi Tri series	SRR college of engineering	Winners

CAY 2018-2019

Sl.NO.	Name of the student	Event	Achievement
1	Bala Sivasubramaniyan	200m	2 nd place
2	Praveen	Shortput	2 nd place

3	Bala Subramaniyan, Dhanush, Pravin Jothi, Sheshi Kumar	4*100m relay	1 st place
4	Vignesh	Hammer & Throw	3 rd place
5	R.Kavitha	400m Hurddles	1 st place
6	R.Kavitha	Heptathlon	3 rd place
7	Shreeja	100 m	2 nd place
8	Jeevitha	200m	3 rd place

ZONE OVERALL CHAMPIONSHIP(2018-2019) – 3RD PLACE

Sl. No.	Event	VENUE	Achievement
1	Cricket- BSM Trophy	Mohammed Sathak College of Engineering	Runner
2	Football-CIT Trophy	CIT	3 rd Place
3	Football-DCE Trophy	Dhanalakshmi College of Engineering	Runners
4	Basketball-Anna University Zonals	Prince Engineering College	3 rd Place
5	Basket Ball-Tri series Trophy	PERI IT	Winners
6	Basket Ball- Intercollege Tournament	CIT	3 rd Place
7	Kho Kho- Anna University Zonal	PERI IT	winner

8	Kho Kho-Anna University Interzone	Anna University CEG campus	4 th place
9	Hockey-Anna University Zonal	Anna University	winner
10	Handball	Jeppiaar Engineering College	3 rd place





Availability of Cultural Facilities:

- Cultural activities are a source of enjoyment and relaxation.
- The cultural wing of the college provides more opportunities to the students to showcase their innate talent in dance, music and arts.
- Cultural activities such as College Day and Hostel Day were celebrated.
- An air conditioned auditorium having Audio Video facility is available for conducting various cultural activities.

Co Curricular Activities:

Sl. No	Date	Title	Resource person with designation
1.	31.07.2019 to 02.08.2019	Annual Sports day	PMJF Lion I Nithyakumar, Past District Governor, Kancheepuram Host.
2.	20.12.2018	Entrepreneurship Development Cell - Future of E-Commerce and Social Media for Entrepreneurs	Ms.AashnaChaprana, Campaign Manager from Josh Talks, Mr.SibidharanNandhakumar, CEO of Aftertutor and Mr.Shriram, Founder of PrimeFort

Sl. No	Date	Title	Resource person with designation
3.	25.02.2017	Sports and Cultural day	Mr.Pradeep Krishnamoorthy, Director of movie "Saitan"
4.	31.10.2016 to 05.11.2016	Vigilance Awareness Week	Central vigilance commission (CVC),New Delhi
5.	10.07.2016	South India Yogasana Championship-2016	Participated by III year students from ECE department
6.	18.03.2016	Temple Clean-up Day	NSS Officer Dr. P.K Chidambaram, Associate Professor, Organized by PERIIT
7	12.03.2016	Blood donation camp	Short advices given by Dr Rajalakshmi, General Hospital, Chennai,
8	10.01.2016 to 13.01.2016.	All India Pistol Shooting competition	Mr. Nikhil Raj Chauhan -II ECE has participatedat Banaras Hindu University, Varanasi

National Service Scheme (NSS):

The overall objective of NSS in our college is to develop the personality of student youth Through community service. The NSS volunteers and programme functionaries involve themselves under regular activities and special camping programme achieve the objective of the scheme.

In our institution, NSS unit was established in the year 2019 with 100 Volunteers.

A Programme Officer has been deputed to coordinate and organize various events and programmes.

Programme Officer Mr. Prabhakaran, Asst Professor/Mechanical Department.

NSS Regular and Special Camping Activities

Our college NSS team organizes several awareness programmes, medical and nonmedical camps in the surroundings of the Chennai city. Our students eagerly participated and provided various services to the society.

NSS PERIIT One Day Camp

Date :16.08.2019

Location: 1

Venue: Adhanur –Near Mannivakkam

Time: 9:30am to 3:30pm

Under the guidance of Mr.D.Prabhakaran(program officer) the **NSS** team visited a temple in adhanur near by padappai.

There the volunteer performed various activities as listed below:

1. Hygiene awareness- In this event our volunteers spread awareness about cleanliness and hygiene among people over there.
2. Cleaning the surroundings- In this event our volunteers involved full pledged to clean the surroundings and remove the weeds over the necessary plants.
3. Tree plantation- At the end of the camp in the temple all the volunteers performed plantation along the boundary wall.

As that was a public place volunteers conducted conversation on different social issues. Main aim was to spread social awareness among general masses.





ONE DAY YRC ORIENTATION PROGRAMME REPORT

Date-03/08/2019

Venue- Hall of guines'68 dept of Manufacturing Engg, CEG CAMPUS

Attended by- G.Sabari girish AP/MECH/PERIIT

Following instruction given during the orientation programme:

- ☐ Brief introduction about YRC given.
- ☐ Colleges are requested to register for YRC if not done yet.
- ☐ Open separate bank account for YRC for managing funds.
- ☐ Colleges are requested to install YRC board in front of their college gate.
- ☐ Collect Rs 20 from each student, from that amount Rs 8 of each student DD has to be taken and send to YRC head office.

- ☐ Remaining Rs 12 should be maintained in account and can be used for future programme.
 - ☐ Enrol maximum student as much as possible and maintain their database, such that they can be called in emergency situation.
 - ☐ For query's contact person detail given- Prof R.Manickam, district secretary IRCSKanchipuram dist,State YRC committe & state first aid committe.
- PH-9445231136, Mail id: pulavarmanickam@gmail.com

NSS –SFU16.11.18

National Service Scheme (NSS) unit of PERI Institute of Technology organized '**Vigilance awareness week**' ('**promoting integrity and eradicating corruption**') on 16/11/2018 at

PERI Auditorium at 3.15 P.M

Program started with Tamilthaivazlthu Welcome address by Dr.P.Chidambar, NSS Officer.

Followed by Dr.R.Palsonkenndy, Principal, PERIIT gave the Presidential address& emphasized as non corrupted citizen of India.

Integrity pledge for citizens and organization taken by the first year NSS students with faculty members.Nearly 50 NSS Students volunteers and 45 staff member were participated

Program me ends with National Anthem at 4.15 P.M

NSS-SFU of PERIIT planned to organize temple clean program in Mannivakkam village next month. It also plan to expand its activities & try to go to near by villages for other services as well. And decided to add 50 more members by next year.



YRC ACTIVITIES IN THE ACADEMIC YEAR 2016-2017

Youth Red Cross (YRC) of PERI Institute of Technology, Manivakkam organized “**One-day free eye testing camp**” jointly with Vasam Eye Care, Tambaram on 29/11/2016 (Saturday) at Baba Gurukulam, Chennai. Free eye testing camp was inaugurated at 10.00 A.M. by Mr.P.K.Chidambaram, YRC Coordinator, PERIIT.

Free eye testing and consultation were carried out by technicians (Vasam eye care) and YRC volunteers from 10.15 A.M. to 3.30 P.M.

Male, Female and Children were participated and tested their eyes.

Total Number of participants: 111

Male : 52

Female : 40

Children : 19

As per the test report, **NINE** from the total participants were donated spectacles, sponsored by YRC, PERI Institute of Technology.

Camp was over by 3.30 P.M.





YRC AT PERI BLOOD DONATION CAMP ON 12/03/2017

About The Event

- ☐ The event **Youth Red Cross(YRC)** is a campaign used to serve the society and the nation
- ☐ It involves students/adults from all over the country to **voluntarily Donate** their blood
- ☐ The collected blood is used by various hospitals and organizations to save the lives of many suffering.







A Report

- PERI INSTITUTE OF TECHNOLOGY took great pleasure in organizing such a wonderful YRC Blood donation camp in our premises on 12/03/17.
- The welcome address and the comparing was done by Mr. S John Daniel student of mechanical department
- Welcoming the Principal **Dr. R .Palson Kennedy**, PERTIIT.
- Welcome the Heads of all the departments
 - o Mr Bertram Nirmal Philip-Mechanical department
 - o Mrs A Revathi - Computer science department
 - o Mr P Elango -Electrical and electronics department
 - o Mrs M Devakani - Civil engineering department
- Welcome the Overall YRC/NSS coordinator **Dr P.K Chidambaram** Asso.prof (mechanical)
- It was also an honor in welcoming the **Dr.Rajalakshmi** (General Hospital), her team of staff and also a team of 8 Female volunteers from Madras Medical College
- It was a great honor in welcoming the team of doctors **Dr..Mrs.R.Chandra**, and **Dr. Arivoli** also welcome by **Mr.Kalaiselvan APRO, YRC Blood Bank**

- ☐ The event started at **10:30 A.M**with welcoming addressby the principal **Dr. R .Palson Kennedy**.
- ☐ The Event was first addressed by the Principal **Dr R Palson Kennedy** with a cheerful speech about blood donation
- ☐ This was followed by a small information about Youth Red Cross read by**MissAlfreda Jonah** student of mechanical department
- ☐ The information about NSS was read by **Miss Om Durga**. student of computer science department
- ☐ Some **facts** about blood donation and **Vote of thanks**proposed by overall NSS/YRC coordinator **Dr PK Chidambaram**
- o It is a great pleasure in thanking our **chairman MrSaravnanPeriasamy** who has given an opportunity to organize this Blood donation camp today[12/03/17]
- o I thank, Our COO **MrSasikumarVeerarajan** has provided good support from the management .
- o I thank, Our principal **Dr R Palson Kennedy** who is an instrumental, constant support and has given encouragement to organize this camp
- o I thank all the Heads of departments, staff coordinators, student volunteers
- o I thank all other staffs of PERIIT, who helped this camp
- ☐ Thereby the Principal Inaugurated the blood donation camp
- ☐ This was followed by Collection of blood from the first donor
- ☐ The college as a whole showed great dedication and skill in conducting this event successfully
- ☐ The staff and the students actively volunteered to donate their blood
- ☐ Around **300** students both male and female registered themselves to donate their blood
- ☐ Overall **195 donors** donated, in this **190 Male and 5 Female** volunteers donated their blood
- o **184 Students** donated their blood
- o **Also 7 teaching and 4 non teaching staff[11]** donated their blood in this camp.
- ☐ The **YRCBlood bank** collected blood from **72** donors and the **General hospital**[Chennai] collected blood from **123** donors
- ☐ There were short advices given by Dr Rajalakshmi (General hospital) to our students about how to keep their body fit and healthy to donate blood.
- ☐ The students who donated blood were offered juice and a packet of biscuits
- ☐ A group of 30 student volunteers(**24 boys and 6 girls**) actively involved all activates of the camp,
- ☐ Totally **6** staff coordinators [**5 male and 1 female**] put a tireless hard work towards the camp, in that blood camp was successfully completed.
- ☐ The staff coordinators are

- o Mr. Karthick [Mech],
- o Mr. Shanmugavel[ECE],
- o MrSenthil[maths],
- o Mr. Mohammed[EEE],
- o Ms.RubyVincy Roy[EEE]
- o Mr.Ranjit Kumar[civil]

- ☐ **Mr. Balan and Mr. Ganesan** provided the required number of cots, sound system, stools ,tables, dust bins needed in the hall
- ☐ **Mr.Shiek** was provided food for the Doctors ,other officials from YRC and GH blood bank ,staff coordinators / students volunteers
- ☐ Administrative staffs,supported for this camp
- ☐ The blood donation camp was over by **3.00 P.M**

Annual Student Activities

The following activities are conducted annually:

1. Sports Day: Every year our institute organizes Sports Day in the month of July/August. Sports week is celebrated by organizing various sports events like Long Jump, Volleyball, Table Tennis, Cricket, Chess, and Carrom and winners medals on that day.
2. Hostel Day: Every year our college celebrates Hostel Day in the month of March/April. Chief guests are invited to grace the function. On this day, students will showcase their talents in the form of dancing, mimicry, mono acting, playing musical instruments etc.
3. Technical Symposium : Every year each department organizes a National Level Technical Symposium in september month. This symposium hosts a lot of events like Paper presentation, Code debugging, Technical quiz, Circuit expo, Workshop, Web designing etc. Winners in each event will be awarded with a cash prize and certificate.
4. National/International Conference – Every year the institution organizes National/ International Conference in the month of May. This conference provides innovative ideas from various research scholars, students and faculty from various recent technologies.
5. Project Expo Project:

Expo is organized by each department every year to showcase the student's innovation and talent.

6. Yoga/Meditation Yoga

Meditation is held to enlighten the students about a spiritual part of growth in themselves. Such activities are held on a regular basis that ensures the holistic development of the students.

Technical and Non-Technical Events (2016 to 2019)

Sl. No	Date	Title	Resource person with designation
1.	13.08.2019	One day seminar on "Internet of Things (IOT)"	Mr. S. Kalidas and Mr. Karthick, Corporate Trainer, Ifand for Endeavours, Chennai.
2.	03.08.2019	One day workshop on "Intellectual Property Rights"	Mr.D. ThiyagarajaGuptha, Asst. Controller of Patents and Designs, Patents Office, Guindy, Chennai.
3.	31.07.2019 to 02.08.2019	Annual Sports day	PMJF Lion I Nithyakumar, Past District Governor, Kancheepuram Host.
4.	05.05.2019	Graduation Day	Dr.J.Kumar, Registrar i/c,& Professor, Crystal Growth Centre Anna University.
5.	22.03.2019 to 23.03.2019	International Conference	Chief Guest Dr.Muaviyath Mohammed, Deputy Vice Chancellor, the Maldives National University
6.	08.03.2019	One day seminar on "Women Self-Empowerment"	Mrs.Amity Sobi, Founder of Amity Education Foundation & Principal of Kidzdale Pre-Primary School, Chennai.
7.	28.08.2018	One day Seminar on "Software on wheels -Neural Networks"	Mr. K. Vignesh, CEO- Insertion Systems, Chennai.
8.	22.12.2018	One day Seminar on "Personality Development"	Mr. V.PrasannaVenkatesan, Author & Advocate, International Success Coach, Chennai.
9.	20.12.2018	Entrepreneurship Development Cell - Future of E-Commerce and Social Media for Entrepreneurs	Ms.AashnaChaprana, Campaign Manager from Josh Talks, Mr.SibidharanNandhakumar, CEO of Aftertutor and Mr.Shriram, Founder of PrimeFort
10.	09.09.2018	4th Alumni Meet - 2018	Organized by Mr. S.Sebastin Suresh, Alumni Co-ordinator, of ECE dept
11.	09.09.2018	4th Graduation Day - 2018	Dr.T.Thyagarajan, Director of University–Industry Interaction cell, Anna University
12.	15.09.2018	Symposium	Organized by ECE Department
13.	01.09.2018 to 02.09.2018	Hackathon PERI18	Mr. Markandan, Assistant Professor of Anand Institute of higher technology

Sl. No	Date	Title	Resource person with designation
14.	26.07.2018 to 27.07.2018	Advanced Robotics Level 2 Training	Organized by ECE depart
15.	17.07.2018 to 18.07.2018	Industrial visit	Bharat Sanchar Nigam Limited (BSNL), Chennai
16.	17.07.2018	One day seminar on “Robotics and 3D Printing”	Mr. Ananda Rajan, Team Leader, RETECH Solutions, Chennai
17.	11.07.2018	One day Seminar on “Telecommunication and Networks”	Mr.Dominic SavioHiruthayaraj, Assistant Director of Network Operation, BSNL, Chennai.
18.	10.07.2018	Robofest'18	Organized by ECE depart
19.	06.07.2018	Mini Project demonstration on “Ultrasonic Sensor using Arduino Board”	Mr. Ajay Sobi and Mr. K. Ganeshkumar Alumini, PERIIT, Chennai
20.	07.04.2018 to 08.04.2018	International Conference	Dr.LochandakaRanathunga, Prof & Head, Department of Information Technology, University of Moratuwa,Katubedda, Moratuwa, Sri Lanka
21.	07.03.2018	Industrial Visit to Robotics Automation	III rd year ECE department Mechatronics Private Limited located at Maraimalainagar
22.	02.03.2018	Industrial Visit to ISRO	III rd yearECE department Satish Dhawan Space centre (SDSC) Shar, Sriharikota
23.	22.02.2018	Guest lecture on “Combinational Logic Circuits,Implementation Strategies	Mr.Sathish Kumar, Assistant Professor, T.J.S. Engineering college, Puduvoyal, Tamil Nadu 601206.
24.	08.02.2018	Workshop on Embedded Systems(Arduino and Raspberry Pi)	Mr. Senthil Kumaran, Corporate Trainer, Scube Techno Academy, Chennai
25.	22.01.2018	Guest lecture on “Static Electric Field,Magnetic Forces and Materials”	Mr.M.Kumaraguru, Assistant Professor,Sri Venkateswara Institute of Science & Technology, Kolundhalur Road, Tiruvallur, Tamil Nadu 631203
26.	22.12.2017	Personality Development program	Mr. V.PrasannaVenkatesan, international success coach

Sl. No	Date	Title	Resource person with designation
27.	08.12.2017 & 09.12.2017	Two Days National Level Workshop on “Advanced Embedded System Design using PIC Microcontroller”	Mr.SubaramSubbiah, Principal Engineer – IC Design, Broadcom India PVT.LTD, Chennai
28.	18.11.2017	Newton Club Inauguration	Dr. Arul Anthony, Principal
29.	30.08.2017 to 31.08.2017	Two days National Workshop on “Robotics Automation with ESP 8266 - 2017”	Makers Arena Pvt Ltd., Chennai.
30.	16.08.2017	Guest lecture on “Transmission Lines,Wave Guides and Cavity Resonators”	Mr.Antonyvigil, AP Sri Venkateswara Institute of Science & Technology, Kolundhalur Road, Tiruvallur, Tamil Nadu 631203
31.	08.08.2017	Snapthon’s 17	Organized by ECE depart
32.	05.08.2017	Sports and Cultural day	Mr. Guru Kiran Khan, Yoga Master. Southern Yogic center, Chennai
33.	11.07.2017	Guest lecture on “IC MOSFET Amplifiers,Biasing of Discrete BJT and MOSFET”	Mr.Saravanan, AP,Aksheyaa College of Engineering, Maduranthagam Taluk, Puludivakkam, Tamil Nadu 603314
34.	01.07.2017	Campus Chronicles	Mr.Balaji Raman, Chief Technology Officer, CLASSLE KNOWLEDGE PVT. LTD., Chennai.
35.	30.06.2017 to 01.07.2017	Two Days National Level Workshop on Communication And Image Processing Using MATLAB	Mr. Markandan, Assistant Professor of Anand Institute of higher technology
36.	25.02.2017	Sports and Cultural day	Mr.Pradeep Krishnamoorthy, Director of movie “Saitan”
37.	31.10.2016	2nd Graduation Day	Honourable Justice Dr.P.Jyothimani, Judicial Member, Green tribunal, Southern Zone, Chennai
38.	31.10.2016 to 05.11.2016	Vigilance Awareness Week	Central vigilance commission (CVC),New Delhi
39.	12.08.2016	Cash award for Staff Members	Organized by PERIIT
40.	10.07.2016	South India Yogasana Championship-2016	Participated by III year students from ECE department
41.	16.07.2016	Alumni Meet - 16	Organized by ECE department

Sl. No	Date	Title	Resource person with designation
42.	04.04.2016	PERISE 2016 – National Level Conference	Dr. T.V. GOPAL, Professor in the Department of Computer Science and Engineering, College of Engineering, Guindy, Anna University, Chennai
43.	18.03.2016	Temple Clean-up Day	NSS Officer Dr. P.K Chidambaram, Associate Professor, Organized by PERIIT
44.	12.03.2016	Blood donation camp	Short advices given by Dr Rajalakshmi, General Hospital, Chennai,
45.	10.01.2016 to 13.01.2016.	All India Pistol Shooting competition	Mr. Nikhil Raj Chauhan -II ECE has participated at Banaras Hindu University, Varanasi

10 GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES (120)

Total Marks 120.00

10.1 Organization, Governance and Transparency (40)

Total Marks 40.00

10.1.2 Governing body, administrative setup, functions of various bodies, service rules, procedures, recruitment and promotional policies (10)

Institute Marks : 10.00

List of Governing Council Members for the year 2019-2020

Sl.No	Name	Qualification	Designation
1.	Mr.Saravperiasamy	B.E., M.E	Chairman, PERI Educational & Charitable trust – Trust Nominee
2.	Mr. K. Periasamy	B.A	Member-PERI Educational & Charitable trust- Trust Nominee

3.	Mr. S.Rajendran	Msc.Mphil	Member-PERI Educational & Charitable trust- Trust Nominee
4	Prof. Dr. C. Chenniraj	M.E, PhD	DTE Nominee, TEQUIP Coordinator
5	Dr.R.Vijayaraj	M.E.,PhD	Joint Secretary – DhanalakshmiSrinivasan College of Engineering & Tecchnology
6	Dr. R. Palson Kennedy	M.E.,Ph.D.,FIE,	Principal- Member Secretary
7	Mr. Sasikumar Veerarajan,	B.E., M.E.	C.O.O. PERI Institute of Technology
8	Dr.Parthiban	M.Sc, PhD	Faculty member – Trust Nominee – Assistant Professor, Dept. of Mathematics
9	Mr.B. Magesh	M.E.,	Trust Nominee – Professor, Department of Civil

List of Governing Council Members for the year 2018-2019

Sl.No	Name	Qualification	Designation
1.	Mr.Saravanan periasamy	B.E., M.E	Chairman, PERI Educational & Charitable trust – Trust Nominee
2.	Mr. K. Periasamy	B.A	Member-PERI Educational & Charitable trust- Trust Nominee
3.	Mr. S.Rajendran	Msc.	Member-PERI Educational & Charitable trust- Trust Nominee
4	Prof. Dr. C. Chenniraj	M.E, PhD	DTE Nominee, TEQUIP Coordinator

5	Dr.R.Vijayaraj	M.E.,PhD	Joint Secretary – DhanalakshmiSrinivasan College of Engineering & Tecchnology
6	Dr. R. Palson Kennedy	M.E.,Ph.D.,FIE,	Principal- Member Secretary
7	Mr. SasikumarVeerarajan,	B.E., M.E.	C.O.O. PERI Institute of Technology
8	Mr. V. Karthik,	B.E, M.E, PhD(Pursing)	Trust Nominee – Assistant Professor, Dept. of Computer Science and Engineering.
9	Prof.S. Maheswaran	Msc.,MPhil,	Trust Nominee – Professor, Department of Mathematics.

List of Governing Council Members for the year 2017-2018

Sl.No	Name	Qualification	Designation
1.	Mr.Saravanan periasamy	B.E., M.E	Chairman, PERI Educational & Charitable trust – Trust Nominee
2.	Mr. K. Periasamy	B.A	Member-PERI Educational & Charitable trust- Trust Nominee
3.	Mr. S.Rajendran	M.Sc	Member-PERI Educational & Charitable trust- Trust Nomi nee
4	Prof. Dr. C. Chenniraj	M.E, Phd	DTE Nominee, TEQUIP Coordinator
5	Dr.R.Vijayaraj	M.e, PhD	Joint Secretary – Dhanalakshmi Srinivasan College of Engineering & Tecchnology
6	Dr. R. Palson Kennedy	M.E.,Ph.D.,FIE,	Principal- Member Secretary
7	Mr. SasikumarVeerarajan,	B.E., M.E.	C.O.O. PERI Institute of Technology

8	Mr. V. Karthik,	B.E, M.E, PhD(Pursing)	Trust Nominee – Assistant Professor, Dept. of Computer Science and Engineering.
9	Prof.S. Maheswaran	Ph.D	Trust Nominee – Professor, Department of Mathematics.
10	Dr.Ravi Kumar B N Prof & HOD of Civil Engg, ACSCE, Bangalore	Ph.D	Member
11	Dr. BalaMurugan Regional Officer& Director, Southern region AICTE, Chennai	Ph.D	Member

List of Governing Council Members for the year 2016-2017

SI.No	Name	Qualification	Designation
1.	Mr.Saravperiasamy	B.E., M.E	Chairman, PERI Educational & Charitable trust – Trust Nominee
2.	Mr. K. Periasamy	B.Sc	Member-PERI Educational & Charitable trust- Trust Nominee
3.	Mr. S.Rajendran	M.Sc	Member-PERI Educational & Charitable trust- Trust Nominee
4	Prof. Dr. C. Chenniraj	M.E, Phd	DTE Nominee, TEQUIP Coordinator
5	Dr.R.Vijayaraj	M.e, PhD	Joint Secretary – DhanalakshmiSrinivasan College of Engineering & Tecchnology
6	Dr. R. Palson Kennedy	M.E.,Ph.D.,FIE,	Principal- Member Secretary

7	Mr. SasikumarVeerarajan,	B.E., M.E.	C.O.O. PERI Institute of Technology
8	Mr. V. Karthik,	B.E, M.E, PhD(Pursing)	Faculty member – Trust Nominee – Assistant Professor, Dept. of Computer Science and Engineering.
9	Prof.S. Maheswaran	Ph.D	Trust Nominee – Professor, Department of Mathematics.
10	Dr.Ravi Kumar B N Prof & HOD of Civil Engg, ACSCE, Bangalore	Ph.D	Member
11	Dr. BalaMurugan Regional Officer& Director, Southern region AICTE, Chennai	Ph.D	Member

3	Ms.Abisha	Member	Head, ECE
4	Mr.Anil kumar	Member	Head,Mech
5	Mrs. Sridevi	Member	Head,EEE
6	Dr. Rajesh Guna	Member	Head,Civil
7	Dr. Parthiban	Member	Head, Humanities

The college has several committees instituted by the Director who also nominates the Coordinators of the various committees with their duties and responsibilities. The committees are examination Cell, Anti Ragging, Student Affairs, Disciplinary, Library, Website, Timetable, Sports & Cultural, Training& Placement, College Newsletter, Women Welfare Committee and Girl Students' Welfare Committee.

Examination Cell

Sr. No	Name	Position
1.	Dr.R.Palson kennedy	Chief Superintendent
2.	Mr.Sebastian	Additional Supt.Exams-Coordinator
3.	Mr. M Udaykumar	Assistant Supt. Exams
4.	Mr. B. Kokila	Mr

Student Affairs

Sr. No	Name	Position
1	Mr. V Magesh	In charge Student Development
2	Ms. S.Vinitha	Office In-charge
3	Ms. M. Vijaykumari	Member

Hostel & Mess coordinator

Anti Ragging Committee

Sr. No	Name	Position
1	Mr. R. Senthil kumar	Coordinator in charge

2	Mr. S. Prithiviraj	Deputy Warden
3	Dr.Varatharajan	Deputy Warden
4	Mr.Sugumaran	Supervisor-Mess

Anti Ragging Committee- Girls Hostel

Sr. No	Name	Position
1	Mrs. Lavanya	Coordinator in charge
2	Mrs Kokila	Member
3	Ms. Suguna	Member

Apart from above there are committee's for Vigilance, Anti-Ragging Committee for Bus routes

Similarly department level committees – constituted by the respective Heads – monitor the activities of the departments like subject allocation, lab in-charges, time table, discipline, internal assessment, academic performance, and monitoring the teaching-learning process.

TLP Monitoring Committee

Sl. No.	Name	Position
1	Mrs. Kaleeswari	Discipline Committee
2	Mr. Hari Sathish	Lab In charges-Committee
3	Mrs.K.Varalakshmi	Subject Allocation Committee
4	Mrs.Sridevi	Academic Performance Committee
5	Mr. Sathish	Internal Assessment Committee
6	Mr. Maheswari	Time Table Committee

Library

Sr. No	Name	Position
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1	Dr Anbu	co-coordinator In charge
2	Dr Rajesh Guna	Member
3	Mrs.Vimala	Librarian
4	Mrs.Sridevi	Member
5	Ms .S.Rahini sudha	Member

Time Table Committee

Sr. No	Name	Position
1.	Mrs.Varalakshmi	Coordinator in charge
2.	Mr.Mahesh.R	Member
3.	Ms.Rekha.J	Member
4.	Mr.DhilipKumar	Member
5.	Mr.Hari satishkumar	Member

Institute has department level Time Table sub-committees who contribute to Institute timetable.

Sports & Cultural Committee

Sr. No	Name	Position
1	Mr. Arul Kumaran	Sports Coordinator
2	Mr.Sugin.B	Member
3	Mr.Anbalagan	Assistant Coordinator

College Newsletter & Website Committee

Sr. No	Name	Position
1	Mr. P. Anil Kumar	Coordinator in charge
2	Ms.K.Revathi	Member
3	Mr.J.Dhayanidhi	Website Administrator

4.	Ms.S.Vinitha	Member
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Female Staff & Girls students welfare Committee

Sr. No	Name	Position
1	Mrs. Kokila	Coordinator in charge
2	Mrs. Suguna	Member
3	Ms. Lavanya	Member
4.	Ms.Preetha	Member

Defined rules, procedures, recruitment, and promotional policies, etc

The college appreciates the importance of Human Resource to further propel the healthy growth rate of the institute and hence constituted an exclusive HR Department that takes care of all spheres of HR needs of the institute. Apart from fulfilling the man power requirement of the institute/group, HR department ensures proper dissemination of policies amongst staff all cadres by ways of orientation sessions for newly recruited staff along with maintenance of all records pertaining to staff. HR department is also entrusted the responsibility of counseling the staff from time to time to ensure that a healthy environment prevails in the institute and all staff work towards the desired goals and objectives. Apart from having a published HR Policy manual within the department, that details the procedures relating to recruitment, promotion, career progression, increments etc, there are detailed policies for:

- Policy for Leaves available to staff of different cadre
- Policy for Leave travel concession (LTC)
- Policy for Attendance registration and Leave Application processing in Biometric Attendance Recording.
- Policy for Early Leaving/Late Coming/Movement Outside Campus:
- Promotional Policy for Ph.D. Program.
- Promotional Policy for Higher studies (M.Tech.) Promotion policy in time scale.

10.1.1 State the Vision and Mission of the Institute (5)

Institute Marks : 5.00

Vision :

PERI Institute of Technology has a vision to be an internationally recognised Institution of higher learning in Engineering, Technology & Science. PERI also visualises being a Research incubator for academicians, Industrialists and researchers from across the world.

The information regarding the vision, mission are made available in the College website

(<http://peri.education/periit/index.php> (<http://peri.education/periit/index.php>)), Test, Assignment & Record note books . Posters are displayed in every classroom, staff room, HOD chamber, at the Admin Block & entrance of the all other blocks in the campus.

Mission :

PERI Institute of Technology will endeavor to emerge as a premier technical institution in the country by

- Providing state-of-the-art infrastructure facilities to achieve excellence in teaching-learning, Research & Development.
- Aligning with leading industries to create competent engineers through internships and placement focused training.
- Create an environment which is conducive to learn skills which will solve pressing issues along with foundation in moral values and ethics.

The Vision and Mission of PERIIT are published and disseminated at:

College website:<http://peri.education/periit/index.php>

(<http://peri.education/periit/index.php>)),

Student Test, Assignment & Record Note books

Department notice boards

HOD Room's

College brochure

Staff Rooms

Laboratories

Corridors

Admin & other Blocks in the campus

Library

Conferance

Conference/seminar hall

10.1.3 Decentralization in working and grievanceredressal mechanism (10)

Institute Marks : 10.00

10.1.3.

Industrial Training and Visits- Class In charges & HOD of concern department will decide to whcih Industry & get approval from Principal

Personality Development Classes- placement officer(PO) & English faculty will conduct after informing to principal

- Mock Campuses-PO. Mr,Rajaganapathy & Mr Ganesh ramanujam will bring company people to conduct Mock interviews
- Counselling - By all faculties 10-20 student per staff
 - Project Assistance- all faculties of the concern departments will assist their student projects in final; semester
 - Entrepreneurship Development Cell- Coordinators of each department will conduct.

S.no	Name	Department
1	Mr.Anbalagan	CIVIL
2	Dr Nageswaran	CSE
3	Mr.Shanmugavel	ECE
4	Mr TamilAmuthan	EEE
5.	Mr.Prabhu	MECH

- Expert Lectures and Alumni Interaction-By HOD & concern staff of department
- Arranging for In Campus ,Pool Campus and Off Campus- Placements
- PO. Mr,Babu Thomas & Mr Ganesh Ramanujam will bring Companies for the placement drives.

S.no	Name	Department
1	Mr.Anbalagan	CIVIL
2	Mrs.Kavitha Suresh	CSE
3	Mr.Sivakumar	ECE
4	Mr Sivaperumal	EEE
5.	Ms.Praba	MECH

- Industry Institute Tie Ups-MOU- Placement officers & placement coordinators of the concern discipline will arrange
- G & T -Maintain Database of Available gifted & Talented students by HOD

.Special Guidance to students for preparing for GATE,PSUs and other National Level Competitive Exams. Guidance on Higher /foreign university admissions.

Anti ragging.

Anti Ragging Committee & Sexual Harassment Committee.

The management has delegated its authority to the Principal to administer the institute on sound principles. The principal in-turn has delegated the powers to Vice-Principal, the principal and HODs of various academic departments. Principal looks after student performance and development. He look after academic activities of the Institute as per the university requirements. Principal looks after the co-curricular and extracurricular activities of the student community and ensures their participation in maximum number of events to enhance their overall personality. Principal concentrates upon research & development activities and initiatives and looks after the developments taking place in various departments. Principal ensures that the examination systems are foolproof and exams are conducted with full integrity. The principal are assisted by the Heads of Dept. in all the matters of interest. The principal holds review meetings on monthly basis and decisions are collectively taken on the issues pertaining to improvement and functioning of the Institute. In-turn the Heads of the Departments conduct monthly faculty meetings within respectedepartments and obtain the details pertaining to academic and non-academic and any student related problems. Also all the teachers are student counsellors and they are in constant touch with the students through weekly meetings. The information collected by them is passed on to HODs who in turn appraise the HODs and the principal.

Thus the administration is transparent and trust-worthy and facilitates smooth conduct and function of the Institute. All purchases are handled by a Purchase committee who receive requisitions from various departments and the committee evaluates the need, timeframe of supply, budgetary provisions and accordingly processes the purchases requirements. The Committee is headed by principal and has senior faculties and administrators as members. The principal in term a breasts the management about the purchases to be made and all such proposals are finally put up in Governing Body meetings for Approval

PERIIT/AT-GRV/2018/01

NOTICE

10.12.18

Prevention of Ragging in Educational Institutions - Guideline issued by UGC.

Anti Ragging committee members-(2017-18)

S.No	Name	Dept	Contact No	Mailid
1	Dr.R.Palson Kennedy PRINCIPAL	CSE	8056299111	principal@periit.com (mailto:principal@periit.com)
2	Dr.P R JASMINE JENI	ECE	9444737755	JASMINEJENI.PR@PERI.AC.IN (mailto:JASMINEJENI.PR@PERI.AC.IN)
3	Mr..Mahesh	CIVIL	9943282931	Magesh.b@peri.ac.in (mailto:Magesh.b@peri.ac.in)

4	Ms.A.Revathi CSE	CSE	9445279539	REVATI.A@PERI.AC.IN (mailto:REVATI.A@PERI.AC.IN)
5	Dr. K.C.Jayasnakar -	EEE	9710068298	Jayasankar.pr@paei.ac.in (mailto:Jayasankar.pr@paei.ac.in)
6	Mr.Bertram N Philip-	MECH	9840299353	BERTRAM.P@PERI.AC.IN (mailto:BERTRAM.P@PERI.AC.IN)
7	Ms.F.Ruby Vincy Roy	EEE	9176112627	rubyvincyroy.f@peri.ac.in (mailto:rubyvincyroy.f@peri.ac.in)
8	Mr Shanmugavel	ECE	9791746797	shanmugavel.g@peri.ac.in
9	Mr..Prabhu	MECH	7010810918	a.p.prabhu@gmail.com (mailto:a.p.prabhu@gmail.com)
10	Ms.K.Varalakshmi	CSE	9710263879	Varalakshmi.k@peri.ac.in (mailto:Varalakshmi.k@peri.ac.in)
11	Mr R.rajeshguna	civil	9787956561	rajeshguna.r@peri.ac.in
12	Ms.C.P. Nirmala Bai	PHYSICS	9176054330	angh23@rediffmail.com (https://iguru.periit.com/sefcdetails/staff_dashboard/379)
13	Ms.P.Kaleeswari	MATHS	9942580408	kaleeswari.p@peri.ac.in
14	Ms Kokila	English	9976185091	sunkokila@gmail.com (https://iguru.periit.com/sefcdetails/staff_dashboard/556)

Copy to:

chairman /coo

:

PRINCIPAL

HOD-ECE

:

HOD-MECH

:

HOD-EEE

:

HOD-CIVIL

:

HOD-CSE :

HOD-S & H :Manager – Admin :Manager – Transport: Admission Team

Anti Ragging committee members-(2018-19)

S.No	Name	Dept	Contact No	Mailid
1	Dr.R.Palson Kennedy	PRINCIPAL	8056299111	principal@periit.com
2	Mr.B.Magesh	CIVIL	9943282931	Vice principal@periit.com
3	Dr.R. Rajesh Guna	CIVIL	9994325102	Hodcivil@peri.ac.in
4	Mrs.Abisha benlyn	ECE	9791695675	Hodece@peri.ac.in
5	Mrs. Sreedevi	EEE	9600111507	Hodeeee@peri.ac.in
6	Mr.Anilkumar	MECH	8973323396	Hodmech@peri.ac.in
7	Mr.S.Balan	CAMPUS MANAGER	9840824959	Balan.s@peri.ac.in
8	Mr.K.Ravi	DISCIPLINE HEAD	8939234305	Ravi.k@peri.ac.in
9	Mr.T.B.Sukumaran	CANTEEN SUPERVISOR	9677228155	Sukumaran.tb@peri.ac.in
10	Mrs.S.varalakshmi	CSE	9710263879	Varalakshmi.k@peri.ac.in
11	Mr.Y.sultan basha	MECH	9176582823	Atchasulthan11@gmail.com
12	Mr. Tamil Amuthan	EEE	9843096067	Tamilamuthan.tg@gmail.com
13	Mr.Shanmugavel	ECE	9791746797	Shanmugavel@peri.ac.in
14	Mr.M.Anbalagan	CIVIL	9994519987	Anbuvijaycivil02@gmail.com
15	Ms.P.Kaleeswari	S&H	9942580408	Kaleeswari.p@peri.ac.in

Copy to:

chairman /coo : PRINCIPAL

HOD-ECE :

HOD-MECH :

HOD-EEE :

HOD-CIVIL :

HOD-CSE :

HOD-S & H :Manager – Admin :Manager – Transport: Admission Team

Anti Ragging committee members-(2019-20)

S.No	Name	Dept	Contact No	Mailid
1	Dr.R.Palson Kennedy	PRINCIPAL	8056299111	principal@periit.com
2	Mr.B.Magesh	CIVIL	9943282931	Vice principal@periit.com
3	Dr.R. Rajesh Guna	CIVIL	9994325102	Hodcivil@peri.ac.in
4	Mrs.Abisha benlyn	ECE	9791695675	Hodece@peri.ac.in
5	Mrs. Sreedevi	EEE	9600111507	Hodeeee@peri.ac.in
6	Mr.Rajkumar.S	CSE	9444430401	Hodcse@peri.ac.in
7	Mr.Anilkumar	MECH	8973323396	Hodmech@peri.ac.in
8	Mr.S.Balan	CAMPUS MANAGER	9840824959	Balan.s@peri.ac.in

9	Mr.K.Ravi	DISCIPLINE HEAD	8939234305	Ravi.k@peri.ac.in
10	Mr.T.B.Sukumaran	CANTEEN SUPERVISOR	9677228155	Sukumaran.tb@peri.ac.in
11	Mrs.S.varalakshmi	CSE	9710263879	Varalakshmi.k@peri.ac.in
12	Mr.Y.sultan basha	MECH	9176582823	Atchasulthan11@gmail.com
13	Mr. Tamil Amuthan	EEE	9843096067	Tamilamuthan.tg@gmail.com
14	Mr.Shanmugavel	ECE	9791746797	Shanmugavel@peri.ac.in
15	Mr.M.Anbalagan	CIVIL	9994519987	Anbuviyaycivil02@gmail.com
16	Ms.P.Kaleeswari	S&H	9942580408	Kaleeswari.p@peri.ac.in

Copy to:

chairman /coo : PRINCIPAL

HOD-ECE :

HOD-MECH :

HOD-EEE :

HOD-CIVIL :

HOD-CSE :

HOD-S & H :Manager – Admin :Manager – Transport: Admission Team

GRIEVANCE REDRESSAL COMMITTEE FOR ACADEMIC YEAR 2016-17

Sl. No.	Name	Designation
1.	Prof R. Jasmine Jeni Vice-Principal, PERIIT,Chennai-48	Chairman

2.	Dr. R. Palson Kennedy Principal, PERIIT,Chennai-48	Convener
3.	Mrs. Ruby Vincy Roy Asst. Professor, Dept. of EEE, PERIIT,Chennai-48	Representative of Faculty
4.	Mr. Prabhu Dept of Mechanical, PERIIT,Chennai-48	Student Welfare Officer
5.	Respective Heads of Departments ACSCE,Bangalore-74	Representative of Faculty
6.	Ms. Usha. M Instructor, Dept of CSE, PERIIT,Chennai-48	Representative of Staff
7.	Mr. Karthikeyan A Dept of Mech 8 th Sem BE, Department of CSE PERIIT,Chennai-48	Student Representative
8.	Ms. Gayathri A.V 8 th Sem BE, Dept of CSE PERIIT,Chennai-48	Student representative

GRIEVANCE REDRESSAL COMMITTEE FOR ACADEMIC YEAR 2017-18

SI No	Name	Designation
1.	Mr.B.N. Phillip	Chairman
2.	Dr. R. Palson Kennedy	Convener
3.	Mr.Shamugavel	Representative of Faculty
4.	Mr. Ravi	Student Welfare Officer

5.	Respective Head of Departments	Representative of Faculty
6.	Ms. K.Varalakshmi.	Representative of Staff
7.	Ms. Sowmia G	Student Representative

GRIEVANCE REDRESSAL COMMITTEE FOR ACADEMIC YEAR 2018-19

SI No	Name	Designation
1.	Mr.B.N. Phillip	Chairman
2.	Dr. R. Palson Kennedy	Convener
3.	Mr.Shamugavel	Representative of Faculty
4.	Mr. Ravi	Student Welfare Officer
5.	Respective Head of Departments	Representative of Faculty
6.	Ms. K.Varalakshmi.	Representative of Staff
7.	Ms.Sreedevi	Student Representative

10.1.4 Delegation of financial powers (10)

Institute Marks : 10.00

Delegation of Financial Powers

The authorities of competent to accord financial sanction to the purchase of apparatus and equipments, tools and plants, spare parts, consumables, stationery items etc., along with financial limits are indicated against each below.

Sl.No.	Category	Chairman	Principal	Directors/HODs
--------	----------	----------	-----------	----------------

1	Purchase of Apparatus, Equipments, Tools & Plants + Consumables	Full powers	Up to Rs 1,00,000/- at a time.	Up to Rs 25,000/- at a time.
2	Purchase of Stationery items	Full powers	Up to Rs 15,000/- at a time.	Nil
3	Purchase of Books, journals, periodicals and Charts etc	Full powers	Up to Rs 1,00,000/- at a time.	Up to Rs 5,000/- at a time
4	Expenses on guest lectures, Seminars, FDP, workshop, Conferences, and other academic related activities	Full powers	Up to Rs 1,00,000/- at a time.	Up to Rs 25,000/- at a time.
5	Expenses on Service and maintenance of equipments .	Full powers	Up to Rs 25,000/- at a time.	Nil
6	Expenses on Transport	Full powers	Nil	Nil
7	Expenses on Medical Emergencies	Full powers	Up to Rs 15,000/- at a time	Nil Up to Rs 5,000/- at a tim

In addition to this , Principal has powers to Order Books for students to maximum limit of 5lakhs per department . Hods & class in charges will be selecting the . Above which books to be purchased every year based on the syllabus & its revisions.

Principal has ordered books worth of 20 lakhs for the past 3 years . HODs were ordered & purchased printers , LCD Projectors & Bureau , for their departments .

HODs have serviced their lab equipments every year with servicing agencies up to 15,000 rs.

HODs bought books for their departments which is worth about 3000-5000 rs per year.

HODs conducted two international conferences during 2017-18 & 2018-19 & spent around 25,000 rs

10.1.5 Transparency and availability of correct/unambiguous information in public domain (5)

Institute Marks : 5.00

10.1.5 INTRODUCTION:

The following procedure is followed to ensure transparency among the Governing bodies, Management, faculty members, staff members and students.

10.1.5.1 H R POLICY BOOK:

A copy of the H R Policy book is given to each department and maintained for ready reference for faculty members and students. In addition to that copy of the book is also kept in the Library for open reference. The H R Policy book covers recruitment of staff, promotion to staff, leave rules, academic procedures, duties and responsibilities of staff, academic targets, etc.

10.1.5.2 MINUTES OF THE HOD MEETING TO DEPARTMENT:

The Minutes of the HODs Meeting held in every month to discuss various items of academic works, development works, co-curricular activities, extra-curricular activities etc are circulated to all the departments through circulars.

10.1.5.3 MINUTES OF GOVERNING COUNCIL AND ACADEMIC ADVISORY BOARD TO DEPARTMENT:

Any decisions made by the Governing Council or Academic Advisory Board or by the Management in policy are conveyed to all the departments by circulating a copy of the Minutes.

Minutes of the Governing Council and Academic Advisory Board are kept as reference in the Main Library.

10.1.5.4 SEMESTER FACULTY MEETING:

Every semester Staff Meeting is conducted for interaction and dissemination of the information regarding conduct of the ensuing semester's academic programmes. It will help then to understand functions of college.

10.1.5.5 FEED BACK TO STAFF FOR REVIEW:

Student's feedback, Peers' feedback, HODs evaluation and ACR are given to faculty members for self-review and discussed with the faculty members or counselled.

10.1.5.6 APPROVAL & AUDITED STATEMENTS.

AICTE/Anna University Approval for every year will be uploaded in the website. Audited statement of the Institute will also Posted in the college website

10.1.5.7 THE VISION AND MISSION ARE PUBLISHED AND DISSEMINATED at:

College website: <http://peri.education/periit/index.php> (<http://peri.education/periit/index.php>)

Student Test & Assignment Note books

Department notice boards

HOD Room's

College brochure

Staff Rooms

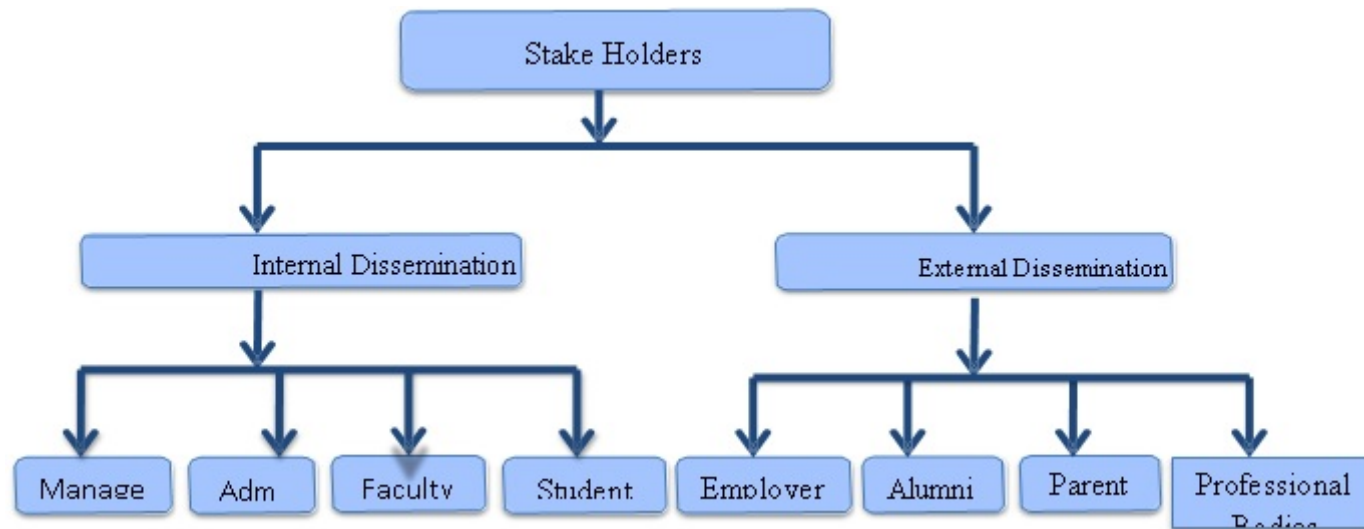
Laboratories

Corridors

Availability of Information to Stake Holders to Internal & External Members.

All information's will be disseminated to Students, faculties, Administration, Transport & managers internally.

Similarly it will be informed to all parents, alumni, Professional bodies, Associations & Industries externally.



10.2 Budget Allocation, Utilization, and Public Accounting at Institute level (30)

Total Marks 30.00

10.2.3 Availability of the audited statements on the institute's website (5)

Institute Marks : 5.00

It is available on the College website <http://peri.education/periit/index.php> (<http://peri.education/periit/index.php>)

Last Three years statement is posted in the college web site

10.2.2 Utilization of allocated funds (15)

Institute Marks : 15.00

During last three four three years budget allocation and utilization is in order and no deficiency was observed.

S.No	Assessment Year	Budget Allocated Rs in Lakhs	Actual Expenditure Rs in Lakhs	Percentage of utilisation
1	2018-2019	1864	1784	95%
2	2017-2018	2535	2308	91%
3	2016-2017	2253	2035	90%
4	2015-2016	2406	2152	89%

10.2.1 Adequacy of budget allocation (10)

Institute Marks : 10.00

10.2.1

Since the department is in growing phase, college management has made it a point that funds should not be a hindrance factor for the substantial rate of growth. Adequate budget is allocated and expenditure is monitored. In no circumstances, teaching learning process is made to suffer because of fund shortage. When ever necessary the fund is allotted for the growth of the Institution.

S.No	Assessment Year	Budget Allocated Rs in Lakhs	Actual Expenditure Rs in Lakhs	Adequate / Non Adequate
1	2018-2019	1864	1784	Adequate
2	2017-2018	2535	2308	Adequate
3	2016-2017	2253	2035	Adequate
4	2015-2016	2406	2152	Adequate

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 2018-2019

Total Income 186411240				Actual expenditure(till...): 178411240			Total No. Of Students 1960
Fee	Govt.	Grants	Other sources(specify) Canteen etc	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify Transport R&D	Expenditure per student
151011240	25000000	0	10400000	117678240	30733000	30000000	91026.14

Table 2 - CFYm1 2017-2018

Total Income 253581417				Actual expenditure(till...): 230804783			Total No. Of Students 1877
Fee	Govt.	Grants	Other sources(specify) Canteen, transport	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify AC, R&D, Lab	Expenditure per student
216784593	29362385	40000	7394439	138684170	62120613	30000000	122964.72

Table 3 - CFYm2 2016-2017

Total Income 225375420				Actual expenditure(till...): 185524354			Total No. Of Students 1973
Fee	Govt.	Grants	Other sources(specify) cateen,scrap	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify transport	Expenditure per student
192757378	28140000	0	4478042	110729081	72795273	2000000	94031.60

Table 4 - CFYm3 2015-2016

Total Income 240682526				Actual expenditure(till...): 215282297			Total No. Of Students 1926
Fee	Govt.	Grants	Other sources(specify) scrap,rent canteen	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify transport,labs	Expenditure per student
194661085	25301000	0	20720441	133646770	76635527	5000000	111776.89

Items	Budgeted in 2018-2019	Actual Expenses in 2018-2019 till	Budgeted in 2017-2018	Actual Expenses in 2017-2018 till	Budgeted in 2016-2017	Actual Expenses in 2016-2017 till	Budgeted in 2015-2016	Actual Expenses in 2015-2016 till
Infrastructure Built-Up	30000000	20000000	6000000	35000000	30000000	30000000	60000000	50000000
Library	700000	150000	500000	200000	600000	200000	1000000	500000
Laboratory equipment	1000000	400000	3000000	2998862	3000000	500000	2500000	2000000
Laboratory consumables	700000	600000	600000	500000	600000	500000	500000	400000
Teaching and non-teaching staff salary	40000000	37051639	60000000	55551639	50000000	41082117	70000000	63204454
Maintenance and spares	5000000	26593510	30000000	31915292	20000000	14073806	9000000	7352536
R&D	2500000	1000000	2500000	2122900	500000	50000	0	0
Training and Travel	25000000	22033226	15000000	12933226	10000000	7784071	7250000	6252970
	34269624	30362385	50000000	29362385	40000000	39236576	50000000	45139811
Others, specify	47241616	40220480	85981417	60220479	70675420	70097784	40432526	40432526
Total	186411240	178411240	253581417	230804783	225375420	203524354	240682526	215282297

10.3 Program Specific Budget Allocation, Utilization (30)

Total Marks 30.00

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 2018-2019

21680000		Actual expenditure (till...): 20580000		Total No. Of Students 273
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
400000	21280000	260000	20320000	75384.62

Table 2 :: CFYm1 2017-2018

24510000		Actual expenditure (till...): 21700000		Total No. Of Students 335
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
300000	24210000	500000	21200000	64776.12

Table 3 :: CFYm2 2016-2017

23540000		Actual expenditure (till...): 21300000		Total No. Of Students 255
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
500000	23040000	400000	20900000	83529.41

Table 4 :: CFYm3 2015-2016

22840000		Actual expenditure (till...): 21600000		Total No. Of Students 247
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
700000	22140000	600000	21000000	87449.39

Items	Budgeted in 2018-2019	Actual Expenses in 2018-2019 till	Budgeted in 2017-2018	Actual Expenses in 2017-2018 till	Budgeted in 2016-2017	Actual Expenses in 2016-2017 till	Budgeted in 2015-2016	Actual Expenses in 2015-2016 till
Laboratory equipment	260000	140000	200000	320000	250000	270000	500000	450000
Software	140000	120000	100000	180000	250000	130000	200000	150000
Laboratory consumable	550000	400000	610000	580000	540000	600000	640000	500000
Maintenance and spares	2610000	2430000	3500000	2710000	5200000	2920000	4000000	3120000
R & D	2320000	2420000	3200000	2800000	2700000	2150000	2800000	2480000
Training and Travel	7800000	7610000	8300000	7420000	7600000	7350000	7500000	7940000
	8000000	7460000	8600000	7690000	7000000	7880000	7200000	6960000
Total	21680000	20580000	24510000	21700000	23540000	21300000	22840000	21600000

10.3.2 Utilization of allocated funds (20)

Institute Marks : 20.00

Department used allocated funds effectively. The minimum of 80% and maximum of 95% of the allocated funds were utilised.

S.No	Assessment Year	Budget Allocated Rs in Lakhs	Actual Expenditure Rs in Lakhs	Utilization
1	2019-2020	216	205	94%
2	2018-2019	245	217	88%
3	2017-2018	235	213	90%
4	2016-2017	228	216	94%

10.3.1 Adequacy of budget allocation (10)

Institute Marks : 10.00

10.3.1

The yearly budget is prepared according to the needs & requirements of the departments taking into consideration of annual intake of students, laboratory & infrastructure developments. Students, faculty & staff requirements and promotions and latest technologies etc., Various departments submit the annual budget to principal. On receipt of such proposals, principal, in consultation with departmental HODs, prepares a consolidated proposal. After deliberations formal budget made altered in departments and forwarded to Principal for preparing final budget at college level and submits it to the Governing Body for approval and sanction.

The Management is approving almost 100% which was proposed by the institute. The budget allocation and utilization for the last three years is adequate. All the expenditure needs prior approval from the competent authority. Funds would be spent only from the approved budget. If funds are required for expenses not mentioned in the proposal, management's approval is a must. Management ensures the adequacy of the funds from various sources like, fee accrual, donation and bank loans.

Since the department is in growing phase, college management has made it a point that funds should not be a hindrance factor for the healthy rate of growth. Adequate budget is allocated and expenditure is monitored. In no circumstances, teaching learning process is made to suffer because of fund shortage Since the department is in growing phase, Institute management has made it a point that funds should not be a barrier factor for the considerable rate of growth. Adequate budget is allocated and expenditure is monitored. In no circumstances, teaching learning process is made to suffer because of fund shortage.

S.No	Assessment Year	Budget Allocated Rs in Lakhs	Actual Expenditure Rs in Lakhs	Adequate / Non Adequate
1	2019-2020	216	205	Adequate
2	2018-2019	245	217	Adequate
3	2017-2018	235	213	Adequate
4	2016-2017	228	216	Adequate

10.4 Library and Internet (20)

Total Marks 20.00

10.4.1 Quality of learning resources (hard/soft) (10)

Institute Marks : 10.00

The internet is used for electronic mail, discussion groups, file transfers, and web services. Protocols include FTP -file transfer protocol, HTTP - for the transfer of web pages from a server to a browser, and SMTP for e-mail transfer.

Electronic Journals

Electronic or e-journals in which all aspects of preparation, refereeing, assembly, and distribution are carried out electronically."

In most instances the electronic journals to which DELNET subscribes have been bundled with current print subscriptions. Recently we have elected to subscribe to some titles as e-journals only. Some major publishers that provide electronic journal access to faculty and students at PERIIT are Wiley, Elsevier, Springer and the Indian national Journals.

A useful directory of web sites with information relating to e-journal acquisition and access arranged by the institution.

Data Files

For the purpose of the Collections Development of laboratory manual, project reports of all final year students are collected & kept in library & machine readable data files somewhat narrowly as data files created at our academic institutions for research purposes.

Accessibility to students

Students are allowed to access the records, project reports, journals, books etc from library. They are allowed to download the contents related to their subjects & projects. In addition to this faculties will mail pdf, ppt, videos' etc to the students groups email ids

Major activities to encourage self learning

- Confidence scale. This first activity helps students think about their learning objectives and see the progress they are making on a class-by-class basis. ...
- Selecting the feedback focus. The next activity personalizes the learning process by having students focus on individual goals. ...
- Record and reflect.
- Written feedback.

This first activity helps students think about their learning objectives and see the progress they are making on a class-by-class basis.

Begin by writing the intended learning goal of the lesson on the board. Ask students to give themselves a score from the scale, reflecting how confident they feel that they can achieve that goal now.

Monitor and assess the confidence levels of the class. Depending how they feel about the learning goal, you can adjust the amount of time you spend on each part of the lesson.

At the end of the class, ask students to assess their confidence levels again. They should write the new number next to the old one. Again, monitor confidence levels. Usually it will increase, but in some cases it may go down. If that's the case, don't worry, reassure students that you are there to help. Next ask them to work in pairs and discuss how they can gain further confidence. Finally, ask students to each write three action points based on the conversations they had with their partner, outlining what they will do to improve.

Feed back focus

The next activity personalizes the learning process by having students focus on individual goals.

Before students start a writing task, ask them to identify a personal learning goal. To help them decide on this, encourage them to look back at your feedback on previous written work

Record & Reflect

Although it's important to think about the objectives before starting a lesson or activity, it's also vital that your students reflect on their performances afterwards. Of course, while you should offer them feedback, they'll only really embrace independent learning if they self-evaluate.

Have students record themselves on their mobile phones completing a speaking task (e.g. part 2 of the speaking paper in the C1 Advanced exam). Then get them to listen back and compare their performance with a model answer.

Recording apps are usually free to download or are pre-loaded onto a Smartphone.

Written Feedback

The final activity relates to how you organize your written feedback so that it is both motivating and productive.

Often when learners see a piece of their writing covered in red pen, they think they have done a terrible job and lose confidence which has a negative impact on independent learning.

To counter this, provide one comment under each of these headings to help learners identify where they are in their learning now. It will also show them what they need to do next and help them recognize that they have made progress, boosting their confidence.

- A key strength
- An area of progress
- An area to work on
- How you can work on it

The more confident they are, the more they'll take ownership over their learning.

Self Learning.-Digital Library is available in the Institute. It is available for all 5 courses of the Institution along with the E books which is having 100+ per course. Server is there with Net facility & daily 10-20 students using it.

Accessibility to students.

Library-word

Carpet area of library (in m²) :350 sqft

Reading space (in m²) : 350sqft

Number of seats in reading space : 50

Number of users (issue book) per day : 45

Number of users (reading space) per day : 25

Timings: During working day, weekend, and Vacation: 8:30am to 6:00 pm

Number of library staff : 02

Number of library staff with a degree in : 01

Library Management : 01

Computerization for search, indexing : Yes

Issue/return records bar coding used : Yes

Library services on Internet/ DELNET : Yes

Similar membership archives

Number of titles : **2500**

Number of volumes : 11160

:

Carpet area of library (in m²) :350 sqft

Reading space (in m²) : 350sqft

Number of seats in reading space :50

Number of users (issue book) per day :45

Number of users (reading space) per day : 25

Timings: During working day, weekend, and Vacation ; 8:30am to 6:00 pm

Number of library staff ;02

Number of library staff with a degree in ;01

Library Management ;01

Computerization for search, indexing ;Yes

Issue/return records bar coding used ;Yes

Library services on Internet/ DELNET ; Yes similar membership archives

Number of titles: 2500

Number of volumes: 11160

Academic year	No of New Tittles added	No of New editions added	No new volumes added
2010-2011	500	50	2821
2011-2012	1410	25	4850
2013-2014	200	28	692
2014-2015	125	20	597
2015-2016	150	32	976
2016-2017	60	50	724
2017-2018	25	32	127
2018-2019	30	35	373
2019-2020	28	22	150

Digital Library is available in the Institute . It is available for all 5 courses of the Institution along with the E books which is having 100+ per course. Server is there with Net facility & daily 10-20 students using it.

10.4.2 Internet (10)

Institute Marks : 10.00

Name of the Internet provider	TATA TELECOMMUNICATIONS
Available band width	50 MBPS
WiFi availability	YES
Internet access in labs, classrooms, library and offices of all Departments	YES
Security arrangements	ENDIAN FIREWALL

Annexure I
(A) PROGRAM OUTCOME (POs)

Engineering Graduates will be able to:

1. **Engineering Knowledge** : Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **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.
3. **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.
4. **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.
5. **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.
6. **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.
7. **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.
8. **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **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.
11. **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.
12. **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	An ability to understand the concepts of basic Electronics & Communication Engineering and to apply them to various areas like Signal processing, VLSI, Embedded systems, Communication Systems, Digital & Analog Devices, etc.services, multimedia, big data analytics and recent topics of varying complexity.
PSO2	An ability to solve complex Electronics and Communication Engineering problems, using latest hardware and software tools, along with analytical skills to arrive cost effective and appropriate solutions.
PSO3	Wisdom of social and environmental awareness along with ethical responsibility to have a successful career and to sustain passion and zeal for real-world applications using optimal resources as an Entrepreneur. successful entrepreneur and an urge for pursuing higher studies.

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 in force as on date and the institution shall 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 will be 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

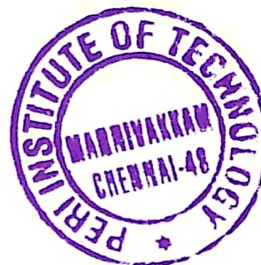
Name : Dr.R.Palson Kennedy

Designation : Principal

Signature :



Seal of The Institution :



Place : Chennai

Date : 06-01-2020 17:04:04