Internal Quality Assurance Cell

(IQAC)

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Implementation of teaching-learning process.

IQAC regularly monitors and reviews the teaching-learning process. To improve the performance various innovative activities were introduced based on the feedback. The improvements based on feedback implemented are

Academic Calendar: Based on the JNTUH calendar the Institute schedules the academic calendar well in advance at the beginning of the academic year/semester for the regular teaching-learning process in addition to various events like seminars/ guest lectures/ workshops/FDPs/Hands-on-series and many more.

The Orientation Program is mandatory for all newly admitted students, where they learn about the philosophy, uniqueness of the education system, the teaching-learning process, continuous evaluation system, compulsory core courses, various curricular activities, discipline, and culture of the Institute.

Preparation of lesson plan for each Semester: The lesson plan is prepared by the concerned faculty members and verified by the HOD for all the subjects in that particular semester.

Student learning outcomes: The institute monitors the performance of the students regularly. It has a specified procedure to collect and analyze data on student learning outcomes.

The following points are adopted by the institute in this context:

- ✓ Midterm and continuous evaluation comprising of assignments, group discussions, and seminar presentations.
- ✓ Semester system of examination for all courses.
- ✓ Providing a Question bank of various subjects to the students.
- ✓ Providing Lecture notes through an online portal.

- ✓ At least 75% Attendance is compulsory in each semester.
- ✓ Conducting remedial classes for slow learners to solve their problems and Seminars/group discussions for advanced learners to enhance their performance further.
- ✓ To ensure the smooth functioning of classes, the HOD and the Discipline Committee members make frequent visits.

Effective internal examination and evaluation systems: The Institute maintains an effective internal examination and evaluation system.

Students' result analysis: The Institute has the provision of analysis of student's performance after the announcement of their semester results. If the result of the students, in a subject, is not found up to the mark, necessary steps are taken to find out the reasons and the concerned faculty members are counseled and motivated to work towards improvement.

Execution of group discussions, mini/major projects, PPTs/videos, online certification and encouraging slow/fast learners

Efforts to improve the quality of education in an institution include executing mini projects, videos, online certification, and encouraging both fast and slow learners.

I. Group discussion: Group discussions help students develop critical thinking skills, improve communication skills, increase self-confidence, and build teamwork.

II. Mini/major projects: Mini/major projects offer students the chance to work on a project independently or in small groups, promoting their development of critical thinking, problem-solving, and teamwork skills.

III. Power point presentation (PPT) and Videos: PPTs and Videos can be utilized to introduce new concepts or reinforce existing knowledge, and they can also serve as examples or demonstrations.

IV. Online certification: Motivating students to register and earn online certifications in emerging areas can provide them with an opportunity to develop new skills and knowledge outside of the classroom.

V. Supporting slow learners: Providing additional care to slow learners can help them catch up with their peers and succeed academically.

VI. Encouraging fast learners: By offering challenging tasks, additional reading materials, and mentorship opportunities to bright students, they can reach their full potential and excel in their academic and professional careers.

PRINCIPAL
Sri Indu College of Engineering and Technology
(Vill): SHERIGUDA-501 510,
Ibrahimpatnam(M), R.R.Dist.

Sri Indu
College of Engineering & Technology
UGC Autonomous Institution
Recognized under 2(f) & 12(B) of UGC Act 1956,
NAAC, Approved by AICTE &
Permanently Affiliated to JNTUH
Estd.2001

NAAC
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

INTERNAL QUALITY ASSURANCE CELL

(IQAC)

PROCESS MANUAL FOR SLOW LEARNERS

&

ADVANCE LEARNERS

(IDENTIFICATION & ACTIVITIES)

METHODOLOGIES TO SUPPORT SLOW LEARNERS (WEAK STUDENTS) AND ENCOURAGE FAST LEARNERS (BRIGHT STUDENTS)

Guidelines to identify Slow Learners (weak students)

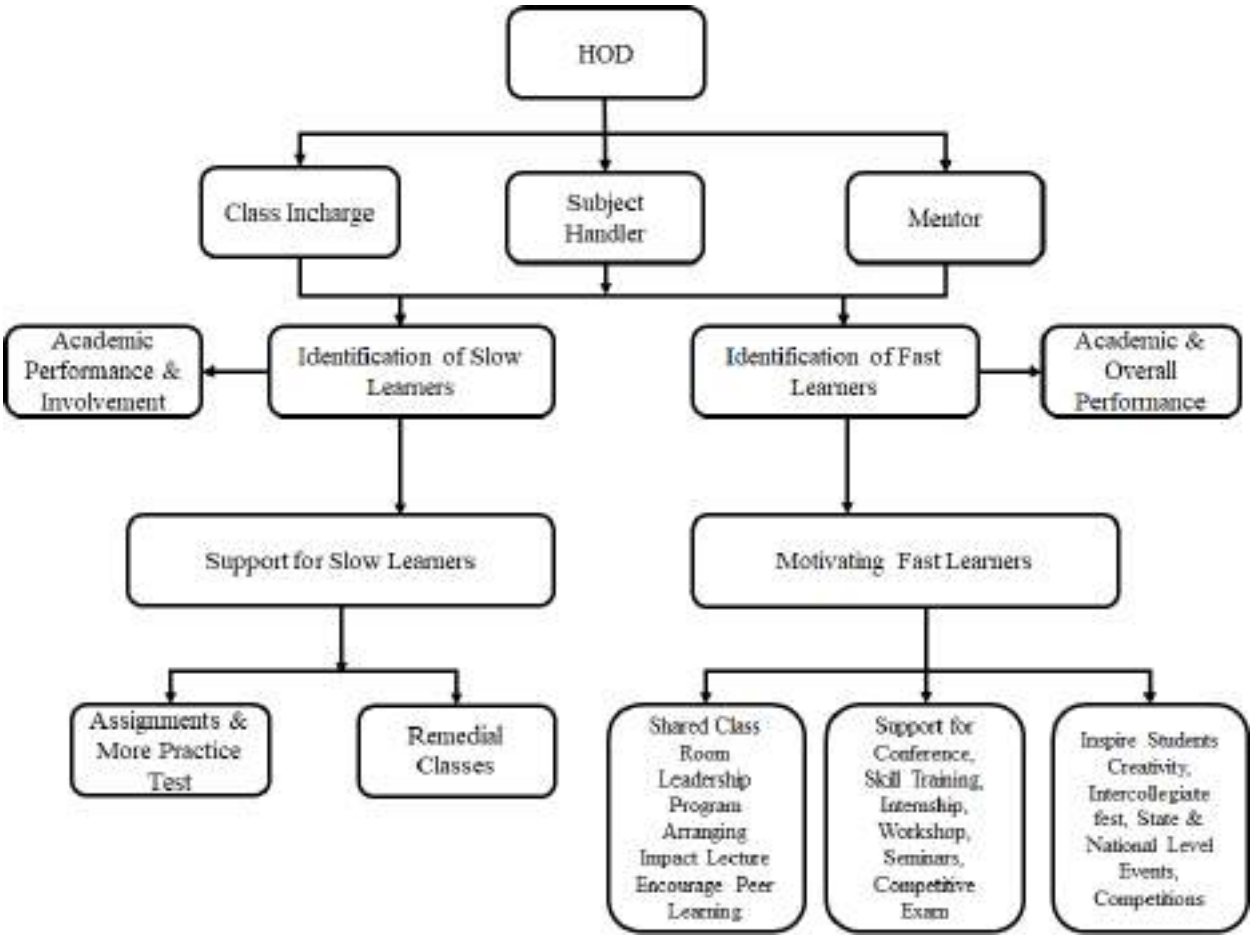
The Counselors regularly conduct meetings regarding progress of their mentees and are responsible to identify students who scored less than 50% marks in their internals. Under the HOD direction, the students Counselors evaluates the progress of those students who score below 50% marks in three or more subject and below 75% attendance are considered as **academically weak students** and same is also intimated to their parents.

Identification Criteria	Actions taken
Students scoring less than 50% of marks in Internal Assessment.	1. Student counselor follows their progress regularly advising students about attending classes, making up classes missed, and getting additional help. 2. Intimating parents to counsel their wards. 3. Conduction of remedial classes
Diploma students who entered with less basics of mathematics	Conduction of remedial classes.
Students who fail in semester exams	Conduction of extra classes to those who failed in previous semester subjects.

Guidelines to identify Bright students

Identification Criteria	Actions taken
Students awarded with First Class with Distinction (FCD) in their Semester exams.	FCD functions are conducted to felicitate those students and Mementos are also distributed to motivate them to continue their Excellency in academics. to take up mini projects& encourage to participate in inter college national/international fest, motivate to take Competitive Exams, Civil Service Exams etc.,
Top three students of each class.	Awarded with mementos
Students securing ranks at University level.	Distribution of Gold medals

PROCESS FOR ENCOURAGING BRIGHT STUDENTS AND ASSISTING SLOW LEARNERS



Activities for slow learners:

i) Special Coaching class for slow learners.
ii) Providing handwritten notes for easy understanding.
iii) Giving counseling for slow learners.
iv) Group study methodology.
iv) Giving additional learning materials like question bank, university question papers etc.

Following Special activities are conducted for Advanced Learners:

i) Guiding for career planning.

ii) Discussion or seminar on the advanced topic

iii) Guiding and encouraging communicating research papers in conferences/Journals

iv) Guiding the students for GATE/Competitive Examinations.

v) Training programs for gaining advanced technical know-how.

vi) Encouraging to participate in various symposiums like quiz, poster presentation, Conferences, inter institution competition etc.

Roles and Responsibilities of Subject Teacher:

Subject Teacher is responsible for carrying out different aspects of slow leaner and advanced learner identification and activities to be conducted

Subject Teachers will be responsible for:

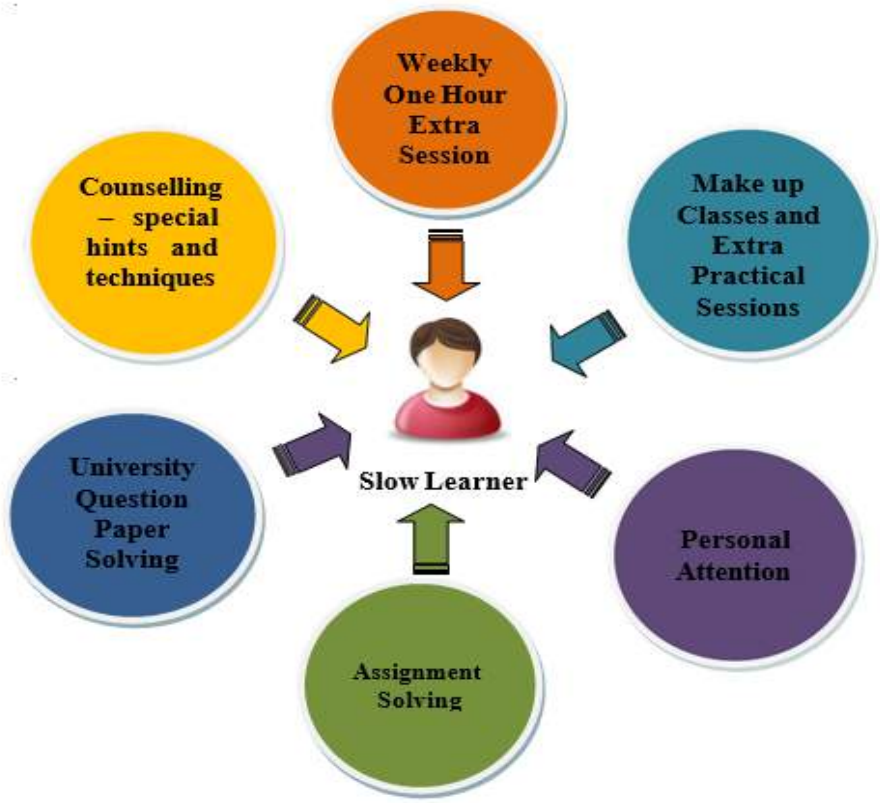
i) Conducting class test on unit 1 of 20 marks and duration of one hour.
ii) Evaluation of class test answer sheets and preparing the class test result report of class
iii) Preparing and maintaining report for whole class based on parameter decided for assessment of the learning levels of the students with their weightage
iv) Preparing separate list of slow and advanced learners
v) Preparing schedule for extra sessions /problem solving sessions / revision sessions for slow learners.
vi) Conducting the sessions for slow learners as per prepared schedule.
vii) Maintaining the attendance of slow learners sessions.
viii) Preparing the list of advanced assignment or list of tasks assigned to advanced learners.
ix) Preparing the report after university result declaration of current semester which shows the improvement in performance of slow learners to close the loop.
x) Maintain the all records for slow learners and advanced learners activity

Documents to be maintained

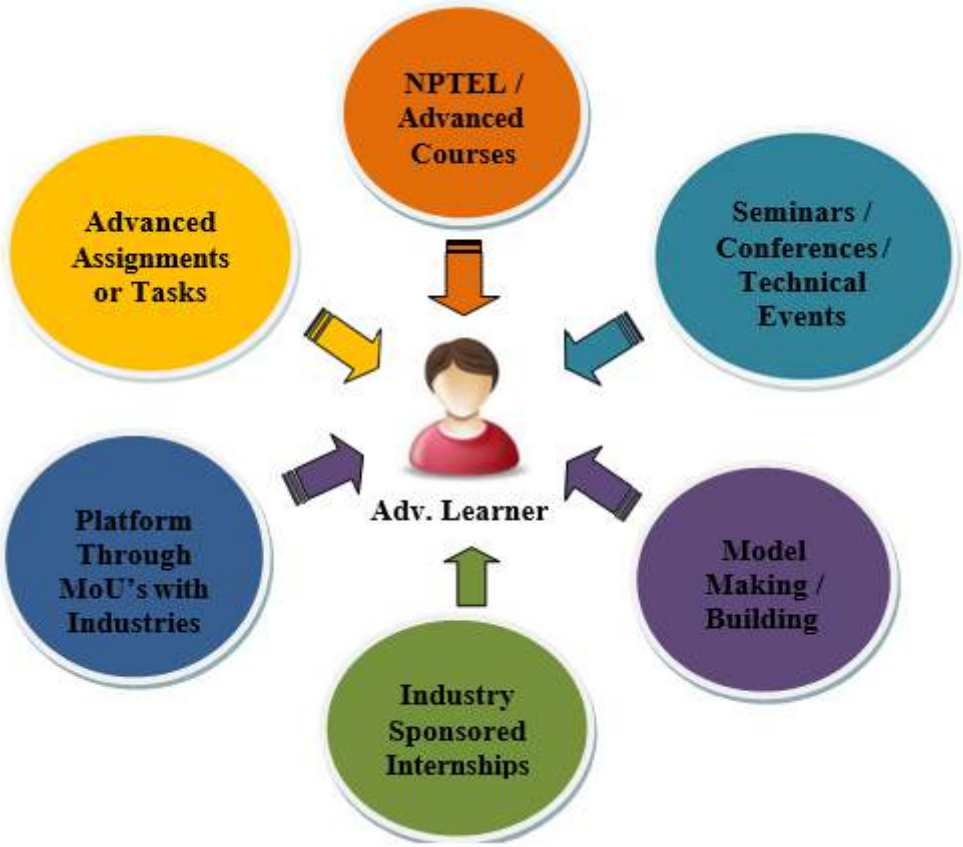
i) Cover page for Slow & Adv. learners Activity
ii) Report of result of class test / unit test
iii) Report of marks obtained based on above parameter
iv) List of slow learners
v) List of Advanced Learners
vi) Schedule of activity for slow learners
vii) Attendance record for session conducted for slow learners
viii) Report of performance improvement for slow learners
ix) List / Record of tasks given to advanced learners
x) Photos as proof of evidence

Expected Outcome

- **i)** Timely conduction of slow learners activities
- **ii)** Records based on student progress and observation.
- **iii)** Improvement in University Result.
- **iv)** Improving Students skills
- v) Up skilling the Quality of Self-Learning



Activates Conducted for Slow Learner



Activates Conducted for Adv. Learner

	SRI INDU COLLEGE OF ENGG & TECH **Department of** _____	**Date:** **Session:**
	Sub. Code & Title	
	Academic Year:	**Year/Sem.**
	Faculty Name & Designation	
Type of Student (Tick)	**Slow Learners** ☐	**Advance Learners** ☐

ATTENDANCE SHEET

S. No	Ht. No	Name of the Student	Signature	Mode of Support/Action Plan

Faculty Incharge **Signature of HOD**

	SRI INDU COLLEGE OF ENGG & TECH **Department of** _____	**Date:** **Session:**
	Sub. Code & Title	
	Academic Year:	**Year/Sem.**
	Faculty Name & Designation	
Type of Student (Tick)	**Slow Learners** ☐	**Advance Learners** ☐

Name of the Activity		
Venue	Duration:	
No. of Students Participated		
Contents		
Objective/ Purpose		
Outcomes		
Effectiveness		

Faculty Incharge **Signature of HOD**

	SRI INDU COLLEGE OF ENGG & TECH **Department of** _____	
	Sub. Code & Title	
	Academic Year:	**Year/Sem.**
	Faculty Name & Designation	
Type of Student	**Slow Learners**	

REMEDIAL CLASSES TIME TABLE

Date	Day	Year/Section	10.00am-11.00am	11.00am-12.00am	2.00pm-3.00pm
	Monday	II	**Sub 1**	**Sub 2**	**Sub 3**
		III			
		IV			
	Tuesday	II			
		III			
		IV			
	Wednesday	II			
		III			
		IV			
	Thursday	II			
		III			
		IV			
	Friday	II			
		III			
		IV			
	Saturday	II			
		III			
		IV			

Faculty Incharge **Signature of HOD**

	SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY **Department of** _____			
	Sub. Code & Title			
	Academic Year:		**Year/Sem.**	
	Faculty Name & Designation			
Identified Group	**Slow Learners**			
STUDENTS FEEBACK FORM				

REMEDIAL CLASSES (Academic Support for Students)

S. No	Item	Feedback
1	Material Presented	**Excellent / Very Good / Average / Below Average**
2	Clarity on Teaching	**Excellent / Very Good / Average / Below Average**
3	Coverage of Important Topics	**Excellent / Very Good / Average / Below Average**
4	Doubts Clarifications	**Excellent / Very Good / Average / Below Average**
5	Guidance	**Excellent / Very Good / Average / Below Average**
6	Faculty Involvement	**Excellent / Very Good / Average / Below Average**
7	Usefulness	**Excellent / Very Good / Average / Below Average**

Any other Suggestions:

	SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY **Department of** _____			
	Sub. Code & Title			
	Academic Year:		**Year/Sem.**	
	Faculty Name & Designation			
Identified Group	**Advance Learners**			
STUDENTS FEEBACK FORM				

SUPPORT FOR ADVANCE LEARNERS

S. No	Item	Feedback
1	Involvement of Department	**Excellent / Very Good / Average / Below Average**
2	Career Guidance	**Excellent / Very Good / Average / Below Average**
3	Opportunity given for various Activity participations	**Excellent / Very Good / Average / Below Average**
4	Support for skill development	**Excellent / Very Good / Average / Below Average**
5	Initiatives for Innovative Projects	**Excellent / Very Good / Average / Below Average**
6	Support for Seminar/ Conferences/ Workshop Participations.	**Excellent / Very Good / Average / Below Average**
7	Linkage to Industry Partnerships	**Excellent / Very Good / Average / Below Average**
8	Awareness on MOOC (NPTEL, SWAYAM, Coursera, etc.,)	**Excellent / Very Good / Average / Below Average**

Any other Suggestions:

DEPARTMENT OF INFORMATION TECHNOLOGY

SLOW LEARNERS

ACADEMIC YEAR : 2023 – 2024

SEMESTER : II

SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY

Department of Information Technology

Slow Learners

Circular

Date: 22.04.2024

Academic Year : 2023-24
Year/Sem : II/II

The following students are identified as slow learners based on MID exam performance. In order to improve the performance of the students in academics, the department has taken an initiative to conduct remedial classes and doubt clarification session in upcoming days. The schedule of remedial classes is attached with this circular. All the students are informed to attend the classes without fail.

S.No . Sub	DM	BEFA	OS	DBMS	JAVA
1.	22D41A1205	22D41A1244	22D41A1203	22D41A1244	22D41A1203
2.	22D41A1220	22D41A1245	22D41A1205	22D41A1245	22D41A1205
3.	22D41A1221	22D41A1252	22D41A1217	22D41A1246	22D41A1211
4.	22D41A1229		22D41A1220	22D41A1252	22D41A1212
5.	22D41A1244		22D41A1221		22D41A1220
6.	22D41A1245		22D41A1225		22D41A1221
7.	22D41A1252		22D41A1229		22D41A1222
8.			22D41A1244		22D41A1229
9.			22D41A1245		22D41A1244
10.			22D41A1246		22D41A1245
11.			22D41A1252		22D41A1249
12.			22D41A1259		22D41A1251
13.			22D41A1260		22D41A1252
14.			22D41A1263		22D41A1259
15.			23D45A1202		22D41A1260
16.			23D45A1206		22D41A1261
17.					22D41A1263
18.					23D45A1202
19.					23D45A1206

Co-ordinator

SRI INDU COLLEGE OF ENGG. & TECH. Sheriguda (V) Ibrahimpatnam (M) R.R.Dist-501 510

HOD/IT

	SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY **Department of Information Technology**
	Academic Year: 2023-2024 | **Year/Sem.** | **II/II**
Identified Group	**Slow Learners (Academic Support for Students)**

REMEDIAL CLASSES AND TEST
TIME TABLE

Date	Year/Sem	9:40 – 10:40	10:40 – 11.40	11.40 – 12.40	1:20 -2:15	2:15 – 3:10
30.05.24	II / II	DM	OS (T)	BEFA	DBMS	JAVA(T)
01.06.24	II / II	OS	DBMS(T)	DM(T)	JAVA	BEFA(T)
08.06.24	II / II	BEFA	JAVA(T)	DBMS	OS	DM(T)
15.06.24	II / II	DBMS	DM(T)	JAVA	BEFA	OS(T)
22.06.24	II / II	JAVA	BEFA(T)	OS	DM	DBMS(T)

Faculty Incharge

SRI INDU COLLEGE OF ENGG. & TECH.
Sheriguda (V), Ibrahimpatnam (M), R.R.Dist-501 510

HOD/IT

SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY

Department of Information Technology

Slow Learners

Circular

Date: 28.03.2024

Academic Year : 2023-24

Year/Sem : III/II

The following students are identified as slow learners based on MID exam performance. In order to improve the performance of the students in academics, the department has taken an initiative to conduct remedial classes and doubt clarification session in upcoming days. The schedule of remedial classes is attached with this circular. All the students are informed to attend the classes without fail.

S.No - Sub	ML	ADA	STM	PCC	ITE
1.	21D41A1206	21D41A1206	21D41A1205	21D41A1205	21D41A1205
2.	21D41A1210	21D41A1212	21D41A1206	21D41A1206	21D41A1206
3.	21D41A1212	21D41A1226	21D41A1207	21D41A1210	21D41A1207
4.	21D41A1214	21D41A1240	21D41A1209	21D41A1211	21D41A1255
5.	21D41A1240	21D41A1247	21D41A1210	21D41A1217	21D41A1256
6.	21D41A1255	21D41A1255	21D41A1212	21D41A1226	
7.		21D41A1256	21D41A1214	21D41A1227	
8.		22D45A1207	21D41A1226	21D41A1239	
9.			21D41A1240	21D41A1240	
10.			21D41A1247	21D41A1247	
11.			21D41A1255	21D41A1255	
12.			21D41A1256	21D41A1256	
13.				22D45A1207	

S.Vaish

Co-Ordinator

SRI INDU COLLEGE OF ENGG. & TECH.

HOD/IT

	SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY Department of Information Technology		
	Academic Year: 2023-2024	Year/Sem.	III/II
Identified Group	Slow Learners (Academic Support for Students)		
REMEDIAL CLASSES AND TEST TIME TABLE			

Date	Year/Sem	9:40 – 10:40	10:40 – 11.40	11.40 – 12.40	1:20 –2:15	2:15 – 3:10
22.04.24	III / II	ML	ADA	STM(T)	PCC	ITE(T)
25.04.24	III / II	ADA	PCC	ML(T)	ITE	STM(T)
27.04.24	III / II	STM	ITE	ADA(T)	ML	PCC(T)
02.05.24	III / II	PCC	ML	ITE(T)	STM	ADA(T)
04.05.24	III / II	ITE	STM	PCC(T)	ADA	ML(T)

Faculty Incharge

SRI INDU COLLEGE OF ENGG. & TECH

HOD/IT

METHODOLOGIES TO SUPPORT WEAK STUDENTS

II YEAR – I SEM

SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY

Department of Information Technology

2023-
II - I

Circular

Date: 28.11.2023

The following students are identified as slow learners based on MID exam performance. In order to improve the performance of the students in academics, the department has taken an initiative to conduct remedial classes and doubt clarification session in upcoming days.

The schedule of remedial classes is attached with this circular. All the students are informed to attend the classes without fail.

S.No. Sub	DE	DS	COSM	COMP	IOT
1.	22D41A1223	22D41A1210	22D41A1225	22D41A1203	22D41A1205
2.	22D41A1225	22D41A1212	22D41A1252	22D41A1205	22D41A1210
3.	22D41A1252	22D41A1213	22D41A1263	22D41A1211	22D41A1217
4.	23D45A1201	22D41A1217	23D45A1201	22D41A1212	22D41A1220
5.		22D41A1220	23D45A1202	22D41A1217	22D41A1225
6.		22D41A1221	23D45A1203	22D41A1220	22D41A1237
7.		22D41A1222	23D45A1205	22D41A1221	22D41A1246
8.		22D41A1223		22D41A1225	22D41A1260
9.		22D41A1225		22D41A1252	22D41A1263
10.		22D41A1229		22D41A1263	23D45A1201
11.		22D41A1231		23D45A1201	23D45A1203
12.		22D41A1244		23D45A1206	
13.		22D41A1245			
14.		22D41A1246			
15.		22D41A1252			
16.		22D41A1263			
17.		23D45A1201			
18.		23D45A1206			

II – Year Coordinator

HOD

SRIINDUCOLLEGEOFENGINEERINGANDTECHNOLOGY
Department of Information Technology

	AcademicYear: 2023-2024	Year/Sem.	II/I Sem
IdentifiedGroup	SlowLearners (Academic Support for Students)		

REMEDIAL TEST - TIME TABLE (Class & Test)

Date	Year	9:40 – 10:40	10:40 – 11:40	11:40 – 12.40	1:20 –2:15	2:15 – 3:10
13/12/2023	II	COSM	DE (T)	DS	COMP	IOT (T)
15/12/2023	II	DE	DS	COSM (T)	IOT	COMP (T)
19/12/2023	II	IOT	COMP	DS (T)	DE	COSM

Faculty Incharge

HoD

SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY

Department of Information Technology

Slow Learners Remedial Class Details

Consolidated Mark Sheet

Date: 13-12-23

S. No.	Subject	COSM	DE	DS	COMP	IOT
	Mode of Test	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
	Date of conduct	15-12-23	13-12-23	19-12-23	15-12-23	13-12-23
	Roll Number	Max marks (10)	Max marks (10)	Max marks (10)	Max marks (10)	Max marks (10)
1.	22D41A1210	–	–	9	–	7
2.	22D41A1212	–	–	7	8	–
3.	22D41A1213	–	–	8	–	–
4.	22D41A1217	–	–	8	8	8
5.	22D41A1220	–	–	7	7	7
6.	22D41A1221	–	–	6	6	–
7.	22D41A1222	–	–	8	–	–
8.	22D41A1223	–	8	7	–	–
9.	22D41A1225	7	8	9	7	A
10.	22D41A1229	–	–	A	–	–
11.	22D41A1231	–	–	8	–	–
12.	22D41A1244	–	–	8	–	–
13.	22D41A1245	–	–	7	–	–
14.	22D41A1246	–	–	8	–	8
15.	22D41A1252	7	7	9	7	–
16.	22D41A1263	8	–	7	8	7
17.	23D45A1201	8	8	A	6	8
18.	23D45A1206	–	–	8	7	–
Signature of Subject Handler						

Class Co-ordinator

HoD

	SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY Department of Information Technology		Date: Session:
	Sub. Code &Title	DS / R20CSE2112	
	Academic Year: 2023-24	Year/Sem.	II - I
	Faculty Name & Designation		S. Geetha, Reddy, AP
Type of Student(Tick)	Slow Learners	✓	Advance Learners

ATTENDANCESHEET

S. No	Ht. No	Date		
		13/12/23	15/12/23	19/12/23
1	22D41A1210	✓	A	✓
2	22D41A1212	✓	✓	✓
3	22D41A1215	✓	✓	✓
4	22D41A1217	✓	✓	✓
5	22D41A1220	✓	✓	✓
6	22D41A1221	✓	✓	✓
7	22D41A1222	✓	✓	A
8	22D41A1223	✓	✓	✓
9	22D41A1225	✓	✓	✓
10	22D41A1229	A	✓	✓
11	22D41A1231	✓	✓	✓
12	22D41A1244	✓	A	✓
13	22D41A1245	✓	✓	✓
14	22D41A1246	✓	✓	✓
15	22D41A1252	✓	✓	A
16	22D41A1263	✓	✓	✓
17	23D45A1201	A	✓	✓
18	23D45A1206	✓	✓	✓
19				

S. No	Ht. No	Date		
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Geetha

Faculty In-charge

HOD

	SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY Department of Information Technology		Date: Session:
	Sub. Code & Title	DE / R22 ECE 2112	
	Academic Year: 2023-24	Year/Sem.	II - I
	Faculty Name & Designation		A. Venu, Asst. prof.
Type of Student(Tick)	Slow Learners	✓	Advance Learners

ATTENDANCESHEET

S. No	Ht. No	Date		
		13/12/23	15/12/23	19/12/23
1	22D41A1223	✓	✓	✓
2	22D41A1225	✓	✓	✓
3	22D41A1253	✓	✓	✓
4	23D45A1201	✓	✓	✓
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Faculty In-charge

HOD

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Information Technology

Date:

Session:

Sub. Code & Title	COMP/ R22CCL216		
Academic Year:	2023-24	Year/Sem.	II-I
Faculty Name & Designation		M. Harathi / Asst. Professor	
Type of Student(Tick)	Slow Learners	✓	Advance Learners	

ATTENDANCESHEET

S. No	Ht. No	Date		
		17/2/23	15/2/23	19/2/23
1	22D41A1202	✓	✓	✓
2	22D41A1205	✓	✓	✓
3	22D41A1211	✓	✓	✓
4	22D41A1212	✓	✓	✓
5	22D41A1217	✓	✓	✓
6	22D41A1220	✓	✓	✓
7	22D41A1221	✓	✓	✓
8	22D41A1225	✓	✓	✓
9	22D41A1252	✓	✓	✓
10	22D41A1262	✓	✓	✓
11	23D45A1206	✓	✓	✓
12	22D45A1201	✓	✓	✓
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S. No	Ht. No	Date		
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Faculty In-charge

HOD

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Information Technology

Date:

Session:

Sub. Code &Title	COSM / R22MTH2114		
Academic Year: 2023-24		Year/Sem.	
Faculty Name & Designation	M. Govind Ambica / Asst Professor		
Type of Student(Tick)	Slow Learners	✓	Advance Learners	

ATTENDANCESHEET

S. No	Ht. No	Date		
		12/9/23	15/9/23	19/9/23
1	22041A1225	✓	✓	✓
2	22041A1252	✓	✓	✓
3	22041A1262	✓	✓	✓
4	23D45A1201	✓	✓	✓
5	23D45A1202	✓	✓	✓
6	23D45A1203	✓	✓	✓
7	23D45A1205	✓	✓	✓
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Faculty In-charge

HOD

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Information Technology

Date:

Session:

Sub. Code & Title	IOT/R22CSD2115		
Academic Year:	2023-24	Year/Sem.	II-I
Faculty Name & Designation	Sudharani / Asst-Prof		
Type of Student(Tick)	Slow Learners	✓	Advance Learners	

ATTENDANCESHEET

S. No	Ht. No	Date		
		13/12/23	15/12/23	19/12/23
1	22D41A1206	✓	✓	✓
2	22D41A1210	✓	✓	✓
3	22D41A1217	✓	✓	✓
4	22D41A1220	✓	✓	✓
5	22D41A1225	✓	✓	A
6	22D41A1237	✓	✓	✓
7	22D41A1246	✓	✓	✓
8	22D41A1260	✓	✓	✓
9	22D41A1263	✓	✓	✓
10	23D45A1201	✓	✓	✓
11	23D45A1203	✓	✓	✓
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for Incharge

Faculty In-charge

HOD

	SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY Department of Information Technology		Date: Session:
	Sub. Code &Title	DE & R22ECE2112	
	Academic Year: 2023-24	Year/Sem.	II - I
	Faculty Name & Designation		A.VENU, Asst. Prof.
Type of Student (Tick)	Slow Learners	✓	Advance Learners

DETAILS OF REMEDIAL CLASS

Name of the Activity	Remedial class	
Venue	Class Room: 303.	Duration:
No. of Students Participated	4	
Contents	Combinational logic, sequential logics.	
Objective/Purpose	understanding of binary numbers System, logic gates, combinational logic gates.	
Outcomes	Ability to learn various logic gates.	
Effectiveness	Improved from mid-I to mid-II	

Faculty In-charge

HOD

	SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY Department of Information Technology			Date: Session:
	Sub. Code & Title	DS / R22CSE2112		
	Academic Year: 2023-24		Year/Sem.	II - I
	Faculty Name & Designation		S. Geetha Reddy, AP/IT	
Type of Student (Tick)	Slow Learners	✓	Advance Learners	

DETAILS OF REMEDIAL CLASS

Name of the Activity	Remedial class		
Venue	Class Room: 303	Duration:	
No. of Students Participated	15		
Contents	Search trees, graphs, pattern matching & Tries.		
Objective/Purpose	Introduces sorting and pattern matching algorithms & Vareity of graphs.		
Outcomes	Implement and know the application of algorithms & design various data structures such as AVL trees etc.		
Effectiveness	At last the student can gain their knowledge.		

Geetha

Faculty In-charge

HOD

	SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY Department of Information Technology		Date: Session:
	Sub. Code & Title	20SM/R20MTH2114	
	Academic Year: 2023-24	Year/Sem.	II - I
	Faculty Name & Designation		M. Govind Ambia / Asst. Pro
Type of Student (Tick)	Slow Learners	✓	Advance Learners

DETAILS OF REMEDIAL CLASS

Name of the Activity	Remedial class	
Venue	Class Room: 303	Duration:
No. of Students Participated		
Contents	Distributions, test of hypothesis, stocha-tic prouss, markov chains.	
Objective/Purpose	The sampling theory, testing of hypo-thesis.	
Outcomes	Apply corupt of estimation and tes of hypothesis to case studies.	
Effectiveness	Understand the corupts in detail.	

M. Ambica

Faculty In-charge

HOD

	SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY Department of Information Technology		Date: Session:
Sub. Code & Title	COMP/R22 ECC2116		
Academic Year: 2023-24		Year/Sem.	II - I.
Faculty Name & Designation		Y. Harathi, Asst. Prof.	
Type of Student (Tick)	Slow Learners ✓	Advance Learners	

DETAILS OF REMEDIAL CLASS

Name of the Activity	Remedial class.	
Venue	Class Room:	Duration:
No. of Students Participated		
Contents	Assembly language, 8086, computer Asthematic, pipeline	
Objective/Purpose	To understant the memory & I/O organization & parallism.	
Outcomes	Ability to write assembly language Programs to solve problems.	
Effectiveness	Ability to gain knowledge.	

Faculty In-charge

HOD

	SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY Department of Information Technology.			Date: Session:
	Sub. Code & Title	IOT / R22CS02115		
	Academic Year: 2023-24		Year/Sem.	II - I.
	Faculty Name & Designation			U. Sudha, Asst prof.
Type of Student (Tick)	Slow Learners	✓	Advance Learners	

DETAILS OF REMEDIAL CLASS

Name of the Activity	Remedial class	
Venue	Class Room: 303	Duration:
No. of Students Participated		
Contents	Rasberry pi, case studies, python, cloud computing.	
Objective/Purpose	learn the programming and use of arduino and Rasberry pi boards.	
Outcomes	Explore IOT applications in different domains.	
Effectiveness	At last students gain knowledge.	

Faculty In-charge

HOD

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY

MID RESULT ANALYSIS

BATCH: 2023-2027

YEAR/SEM: II - I

EXAM: MID I

S.NO	SUBJECT LIST	TOTAL NO OF STUDENTS	PASS	PER %	SIGNATURE
1.	DE	68	64	94%	
2.	DS	68	50	73%	
3.	COSM	68	61	89%	
4.	COMP	68	56	82%	
5	IOT	68	57	83%	Sai
6					

YEAR/SEM: II - I

EXAM: MID II

S.NO	SUBJECT LIST	TOTAL NO OF STUDENTS	PASS	PER %	SIGNATURE
1	DE	68	67	98%	
2	DS	68	56	82%	
3	COSM	68	60	88%	
4	COMP	68	67	98%	
5	IOT	68	61	89%	Sai

YEAR/SEM: III - I

EXAM: MID I

S.NO	SUBJECT LIST	TOTAL NO OF STUDENTS	PASS	PER %	SIGNATURE
1.	BEFA	70	66	94%	
2.	SE	70	51	72%	
3.	DCCN	70	52	74%	
4.	WT	70	44	62%	
5.	PPL	70	55	78%	
6.	AI	70	47	67%	

YEAR/SEM: III - I

EXAM: MID II

S.NO	SUBJECT LIST	TOTAL NO OF STUDENTS	PASS	PER %	SIGNATURE
1	BEFA	70	68	97%	
2	SE	70	68	97%	
3	DCCN	70	68	97%	
4	WT	70	34	48%	
5	PPL	70	64	91%	
6	AI	70	13	18%	

EXAM: MID I

YEAR/SEM: IV / I

S.NO	SUBJECT LIST	TOTAL NO OF STUDENTS	PASS	PER %	SIGNATURE
1.	IS	62	58	93%	Radhika
2.	DM	62	61	98%	
3.	CC	62	57	91%	Vena
4.	IOT	62	57	91%	Srinivas
5	E-COMMERCE	62	58	93%	

EXAM: MID II

YEAR/SEM: IV / I

S.NO	SUBJECT LIST	TOTAL NO OF STUDENTS	PASS	PER %	SIGNATURE
1	IS	62	60	96%	Radhika
2.	DM	62	61	98%	
3.	CC	62	59	95%	Vena
4.	IOT	62	57	91%	Srinivas
5.	E-Commerce	62	60	96%	

EXAM BRANCH I/C

HOD/IT

	SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY **Department of Information Technology**
	Sub. Code &Title R22CS02115 : Introduction to IoT
	Academic Year: 2023-24 **Year/Sem.** IIIrd Year - Ist Sem
	Faculty Name &Designation Gr. Sudha & Assistant professor
Identified Group	**Slow Learners**

STUDENTS FEEDBACK FORM

REMEDIAL CLASSES (Academic Support for Students)

S.No	Item	Feedback
1	Material Presented	Excellent / Very Good / Average / Below Average
2	Clarity on Teaching	Excellent / Very Good / Average / Below Average
3	Coverage of Important Topics	Excellent / Very Good / Average / Below Average
4	Doubts Clarifications	Excellent / Very Good / Average / Below Average
5	Guidance	Excellent / Very Good / Average / Below Average
6	Faculty Involvement	Excellent / Very Good / Average / Below Average
7	Usefulness	Excellent / Very Good / Average / Below Average

Any other Suggestions: No

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Information Technology

Sub. Code &Title	R22 ECE2116 Computer organization & microprocess		
Academic Year: 2023-2024		**Year/Sem.**	IInd year I/sem
Faculty Name &Designation	Y. Harathi Assistant professor		
Identified Group	**Slow Learners**		

STUDENTS FEEDBACK FORM

REMEDIAL CLASSES (Academic Support for Students)

S.No	Item	Feedback
1	Material Presented	Excellent / Very Good / Average / Below Average
2	Clarity on Teaching	Excellent / Very Good / Average / Below Average
3	Coverage of Important Topics	Excellent / Very Good / Average / Below Average
4	Doubts Clarifications	Excellent / Very Good / Average / Below Average
5	Guidance	Excellent / Very Good / Average / Below Average
6	Faculty Involvement	Excellent / Very Good / Average / Below Average
7	Usefulness	Excellent / Very Good / Average / Below Average

Any other Suggestions: NO

INTERNAL QUALITY ASSURANCE CELL (2023-2024)

Ref: SICET/PRL/IQAC/31 / 2023-24 **Date: 28/10/2023**

CIRCULAR

All the members of IQAC are here by informed to attend the meeting scheduled on 04/11/2023 at 2.30 PM.

Agenda:

- Discussion on previous meeting Minutes
- Mid and End Exams.
- Commencement of Final Sem Classes
- Final Year Mini Project Exams
- Syllabus Coverage of all other UG and PG Branches
- Placement Activities
- Conduct of Training Program
- Usage of ICT and other novel teaching methodologies
- Methodologies to improve Research contributions
- Students Grievance and Redressal
- Mentor Mentee Activities
- Internal Audits
- Hostel student activities
- Go Green Initiatives
- Student Outreach Program
- NAAC Work Status
- Any other matters b.f by the members subject to permission from the chairperson

Venue: IQAC Hall

COORDINATOR - IQAC

Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist
UGC Autonomous Institution

Minutes of the IQAC Meeting

Ref: SICET/PRL/IQAC/31 / 2023-24 **Date: 28/10/2023**

Date & Time: 04/11/2023 :: 2.30 PM

Venue: IQAC Hall

Agenda:

- Discussion on previous meeting Minutes
- Mid and End Exams.
- Commencement of Final Sem Classes
- Final Year Mini Project Exams
- Syllabus Coverage of all other UG and PG Branches
- Placement Activities
- Conduct of Training Program
- Usage of ICT and other novel teaching methodologies
- Methodologies to improve Research contributions
- Students Grievance and Redressal
- Mentor Mentee Activities
- Internal Audits
- Hostel student activities
- Go Green Initiatives
- Student Outreach Program
- NAAC Work Status
- Any other matters b.f by the members subject to permission from the chairperson

Members Present:

S. No.	Name of the Governing Body Member	Designation in the Institute	Designation in IQAC	Signature
1	Dr G Suresh	Principal	Chairperson	
2	Shri.AnupChakravarthy .R	Secretary	Management Member	

Ref: SICET/PRL/IQAC/31 / 2023-24

Date: 28/10/2023

3	Dr.N.C.Sendhilkumar	HOD,ECE	Coordinator	
4	Prof K.Ashok Babu	Prof / ECE	Member	
5	Prof A.Rama Krishna Rao	DAE	Member	
6	Dr K S SadasivaRao	Dean, R&D	Member	
7	Dr G V N Prasad	HOD CSE	Member	
8	Dr P Balasubramaniam	Controller of Examinations	Member	
9	Dr T Charan Singh	HOD CSIT	Member	
10	Dr K Sampath	HOD IOT	Member	
11	Dr Adalene Johnsane	HOD AI&DS	Member	
12	Ms.UmaMaheswari	HOD AIML	Member	
13	Ms P Epsiba	HOD IT	Member	
14	Mr.Rakesh	HOD EEE	Member	
15	Mr.D Rajendra Babu	HOD , CIVIL	Member	
16	Mr.M Srinivasrao	HOD,MECH	Member	
17	Ms N Sailaja	HOD H&S	Member	
18	Ms.SandhyaRani	AP ECE	Member	
19	Mr. R.Venkateswar	Director, Campus Placements & Corporate Relations	Member	
20	Mr A Dilip Kumar	ECE	Student member	
21	Mr.NikhilKumar	CSE	Student member	
22	Ms Thrisha	AI&DS	Student member	
23	Dr. J. Madhavan	Professor, Bhoji Reddy College, Hyderabad	Member from other institution	

Ref: SICET/PRL/IQAC/31 / 2023-24 **Date: 28/10/2023**

The chairperson welcomed all the members to the meeting and briefed about the agenda in detail. The Following points were discussed to verify the progress of the I Sem Academic and Administrative activities along with the action to be taken.

1. The coordinator asked about the implementation of points discussed in the previous meeting and also analysis of mid Exam performance.
2. The coordinator discussed about the class work completion of Final Year and informed everyone to ensure that all the academic acticities to be completed as per the Academic Calender released by the CE office , so that the mid exams and End Exams will be conducted as scheduled.
3. All HODs are advised to take necessary steps to start the final sem classes as scheduled.
4. Final year Mini projects should be evaluated in such a manner that will help the students to enhance & implemen their learnings so far. It has been decided to inform the students that their project work should be presented in outside world communications and events.
5. All other Years both UG and PG Branches academic activities are discussed. Necesaary instructions should be given to all the concerned to complete the pending works on or befor stipulated time so that adherence to academic calender is maintained.
6. Placement Director presented his efforts in organising traning progemmes and conduct of various online and offline placement recruitment by the Industries. A detailed report has to be submitted in due course of time with all the required details.
7. Schedule for conducting Career Enchancement Programs to be planned and released in 15 days by placement director
8. Members felt that faculty must be advised to use more ICT tools for teaching. Usage of ICT will enable students to involve more and also it as provide very good improvement in covering the syllabus on time and providing additional information to the students.
9. In continuation to the usage of ICT, all the heads were instructed to instruct the faculty members to use the tools more frequently and also to provide more content beyond syllabus topics,. Also faculty should inculcate novel teaching methodologies so as to make learnings more intersting.
10. Research activities should be taken up very seriously. Faculty publications should be improved.Incentives and appreciation will be given to faculty who contribute in research activities.The details will be shared.
11. Faculty should involve in quality publications in journals and also publication of Patents.
12. It has been informed that minimum of 2 papers should be published by each faculty.
13. Department Heads are informed to inform faculty to apply for getting funds to conduct FDPs and other research activities.

Ref: SICET/PRL/IQAC/31 / 2023-24 **Date: 28/10/2023**

14. Students should be motivated to publish papers and also to participate in taking various NPTEL/MOOC Courses.

15. Functioning of Students grievance cell and all other club activities should be monitored regularly and all activities and action taken should updated immediately to the concerned heads and Principal.

16. Mentors should regularly meet the Mentee and keep track on the activities and the same should be discussed with concerned parents. Records should be updated regularly.

17. The Schedule for Internal Audit will be released and the same to be strictly adhered.

18. Hostel student activities should be monitored and the warden should take care of implementing the study hours and other requirements of students.

19. Awareness on Green Initiatives should be made to the students through various modes. Steps should be taken to make the students on its importance and need.

20. Students should be motivated to contribute to the societal needs also. In this regard it has been planned to organize out reach programs in the nearby places with different themes that will contibute to the needy people. List of themes will be released asap.

21. Progress in NAAC related works were discussed. Necessary corrective and improvements wherever observed should be implementated so that the overall qualtiy improves.

22. Internships and Industrial Visits should be arranged as soon as possible and students should be encouraged to participate without fail.

The meeting concluded with note of thanks to all the participants by the coordinator.

COORDINATOR - IQAC

INTERNAL QUALITY ASSURANCE CELL (2023-2024)

ACTION TAKEN REPORT FOR Ref.No.: SICET/PRL/IQAC/32/ 2023-24

Ref: SICET/PRL/IQAC/ATR/32 / 2023-24 **Date: 10/02/2024**

The following are the action taken report for the Minutes of the Meeting No.: SICET/PRL/IQAC/32 / 2023-24 held on 06/01/2024

Item No.: 1: To confirm the minutes of the meeting: SICET/PRL/IQAC/32/2023-24 of the IQAC held on 06/01/2024

Action Taken: The minutes of the meeting: SICET/PRL/IQAC/32/2023-24 of the IQAC circulated among all the members were discussed and confirmed.

Item No.: 2: Action Taken Report (ATR) on decisions of the previous meeting

Meeting No.: SICET/PRL/IQAC/32 / 2023-24	Action taken report	Responsible
Discussion on previous meeting ATR	Pending works to be completed	IQAC Coordinator
End Exam Results	In Process	CE
Final Year class work and Project	Progressing	Coordinator and HOD
Commencement of II Semester class	In Progress	CE & HODs
Hand outs and Course file	Updated & Shared	HODs and Coordinators
NAAC SSR Submission.	In Progress	Principal and IQAC
FFC Visit	Schedule to be received	Principal and HODs

Sri Indu College of Engineering & Technology Sheriguda, IBP – An Autonomous Institution under UGC

International Conference conduct	Planned during May End	Dean R&D
Placement and Training Activities	In Progress	Placement Director
Students Grievance and Redressal	In Progress	Coordinator
Conducting Social Awareness programs	Planned	Coordinators and HODs
Mentor Mentee Activities	In Progress	Coordinators & Mentors
Club Activities	Planned	Coordinators and HODs
Internal Audits	Schedule to be releases	IQAC
Faculty Appraisal	Planned	IQAC
PAC and DAC progress	Details Updated	HODs
Result Analysis	To be Updated	CE

The above Action Taken Report (ATR) will be discussed in the consecutive meeting also.

Coordinator

Copy to 1.Principal 2.All HODs
Circulated to : 1.All IQAC Members & all Concerned

AN AUTONOMOUS INSTITUTION UNDER UGC
Sri Indu College of Engineering & Technology
Sheriguda, RR
2(f) & 12(B) of UGC ACT 1956

INTERNAL QUALITY ASSURANCE CELL (2023-2024)

Ref: SICET/PRL/IQAC/32 / 2023-24 **Date: 23/12/2023**

CIRCULAR

All the members of IQAC are here by informed to attend the meeting scheduled on 06/01/2024 at 2.30 PM.

Agenda:

- Discussion on previous meeting Minutes
- End Exam Results
- Final Year class work and Project
- Commencement of II Semester class works
- Hand outs and Course file
- NAAC SSR Submission.
- FFC Visit
- International Conference conduct
- Placement and Training Activities
- Students Grievance and Redressal
- Conducting Social Awareness programs
- Mentor Mentee Activities
- Club Activities
- Internal Audits
- Faculty Appraisal
- PAC and DAC progress
- Result Analysis
- Any other matters b.f by the members subject to permission from the chairperson

Venue: IQAC Hall

COORDINATOR - IQAC

Minutes of the IQAC Meeting

Ref: SICET/PRL/IQAC/32 / 2023-24 **Date: 23/12/2023**

Date & Time: 06/01/2024 :: 2.30 PM

Venue: IQAC Hall

Agenda:

- Discussion on previous meeting Minutes
- End Exam Results
- Final Year class work and Project
- Commencement of II Semester class works
- Hand outs and Course file
- NAAC SSR Submission.
- FFC Visit
- International Conference conduct
- Placement and Training Activities
- Students Grievance and Redressal
- Conducting Social Awareness programs
- Mentor Mentee Activities
- Club Activities
- Internal Audits
- Faculty Appraisal .
- PAC and DAC progress
- Result Analysis
- Any other matters b.f by the members subject to permission from the chairperson

Members Present:

S. No.	Name of the Governing Body Member	Designation in the Institute	Designation in IQAC	Signature
1	Dr G Suresh	Principal	Chairperson	
2	Shri.AnupChakravarthy .R	Secretary	Management Member	

3	Dr.N.C.Sendhilkumar	HOD,ECE	Coordinator	
4	Prof K.Ashok Babu	Prof / ECE	Member	
5	Prof A.Rama Krishna Rao	DAE	Member	
6	Dr K S SadasivaRao	Dean, R&D	Member	
7	Dr G V N Prasad	HOD CSE	Member	
8	Dr P Balasubramaniam	Controller of Examinations	Member	
9	Dr T Charan Singh	HOD CSIT	Member	
10	Dr K Sampath	HOD IOT	Member	
11	Dr Adalene Johnsane	HOD AI&DS	Member	
12	Ms.UmaMaheswari	HOD AIML	Member	
13	Dr P Epsiba	HOD IT	Member	
14	Mr.Rakesh	HOD EEE	Member	
15	Mr.D Rajendra Babu	HOD , CIVIL	Member	
16	Mr.M Srinivasrao	HOD,MECH	Member	
17	Ms N Sailaja	HOD H&S	Member	
18	Ms.SandhyaRani	AP ECE	Member	
19	Mr. R.Venkateswar	Director, Campus Placements & Corporate Relations	Member	
20	Mr A Dilip Kumar	ECE	Student member	
21	Mr.NikhilKumar	CSE	Student member	
22	Ms Thrisha	AI&DS	Student member	
23	Dr. J. Madhavan	Professor, Bhoji Reddy College, Hyderabad	Member from other institution	

Ref: SICET/PRL/IQAC/32 / 2023-24 **Date: 23/12/2023**

The chairperson welcomed all the members to the meeting and briefed about the agenda in detail. The Following points were discussed to verify the progress of the I Sem Academic and Administrative activities along with the action to be taken.

1. The coordinator asked about the implementation of points discussed in the previous meeting and also analysis of mid Exam performance.
2. CE has been asked to process the results of the end exam within 15 days after the completion of last exam.
3. Final year class works and project status has been discussed. It has been decided to publish the projects in journals and conferences without fail.
4. HODs are advised to make proper planning for the commencement of II semester classworks.
5. Class Coordinators should ensure that HandOuts should reach the students on the first day of the class work.
6. Course Files should be updated.
7. It has been decided to upload the SSR for NAAC by this month end. Department heads are asked to provide the all datas as per the requirements of NAAC Template.
8. It has been planned to conduct multidiscipline International conference in the month of May. In this regard R&D dean has been informed to make necessary arrangement for organizing the conference in an effective manner.
9. Placement Director presented his efforts in organising traning progemmes and conduct of various online and offline placement recruitment by the Industries. A detailed report has to be submitted in due course of time with all the required details.
10. Students should be motivated to publish papers and also to participate in taking various NPTEL/MOOC Courses.
11. Functioning of Students grievance cell and all other club activities should be monitored regularly and all activities and action taken should updated immediately to the concerned heads and Principal.
12. Mentors should regularly meet the Mentee and keep track on the activities and the same should be discussed with concerned parents. Records should be updated regularly.
13. The Schdule for Internal Audit will be released and the same to be strictly adhered.
14. Along with Internal Audits it has been planned to conduct Appriasal on the performance of the faculty.
15. PAC and DAC to be organised whenever required for any updation in Curriculum and any other concerned matter and the same to be informed.
16. Also ithas been planned to organize student project expo of all branches in the month of March.

17. Training progrmmes on Advanced topics should be conducted b invitin Industry experts.
18. Result Analysisi should be done to identify where extra efforts required. And also it has been decided to conduct special classes for subjects having less than 60% of results
19. Slow Learners to be given special attention and faculty should guide them to achieve postive results.
20. Fast Learners should be encourage to particpate and learn value added courses.

The meeting concluded with note of thanks to all the participants by the coordinator.

COORDINATOR - IQAC

INTERNAL QUALITY ASSURANCE CELL (2023-2024)

ACTION TAKEN REPORT FOR Ref.No.: SICET/PRL/IQAC/32/ 2023-24

Ref: SICET/PRL/IQAC/ATR/33/ 2023-24 **Date: 22/06/2024**

The following are the action taken report for the Minutes of the Meeting No.: SICET/PRL/IQAC/33 / 2023-24 held on 04/05/2024

Item No.: 1: To confirm the minutes of the meeting: SICET/PRL/IQAC/33/2023-24 of the IQAC held on 04/05/2024

Action Taken: The minutes of the meeting: SICET/PRL/IQAC/33/2023-24 of the IQAC circulated among all the members were discussed and confirmed.

Item No.: 2: Action Taken Report (ATR) on decisions of the previous meeting

Meeting No.: SICET/PRL/IQAC/33 / 2023-24	**Action taken report**	**Responsible**
Discussion on previous meeting ATR	Pending works to be completed	IQAC Coordinator
Final Year Results	To be Processed	CE
Conduct of MID II Examinations	Scheduled	CE

Conduct of End Examinations	Scheduled	CE
Conduct of Culturals Events	Planned and In Progress	Heads
Conduct of Graduation Day	Planned as soon as Results are released	Principal and Head
CRT Program for III Year Students	Planned	Placement Director
Conduct of Green Audit	Planned	IQAC
Conduct of Internal Audit for all Branches	Planned	IQAC
NAAC Visit	Completed	

Coordinator

Copy to 1.Principal 2.All HODs
Circulated to : 1.All IQAC Members & all Concerned

INTERNAL QUALITY ASSURANCE CELL (2023-2024)

Ref: SICET/PRL/IQAC/33/ 2023-24 **Date: 22/04/2024**

CIRCULAR

All the members of IQAC are here by informed to attend the meeting scheduled on 04/05/2024 at 2.30 PM.

Agenda:

- Discussion on Previous meeting
- Final Year Results
- Conduct of MID II Examinations
- Conduct of End Examinations
- Conduct of Culturals Events
- Conduct of Graduation Day
- CRT Program for III Year Students
- Conduct of Green Audit
- Conduct of Internal Audit for all Branches
- NAAC Visit
- Any other matters b.f by the members subject to permission from the chairperson

Venue: IQAC Hall

COORDINATOR - IQAC

Minutes of the IQAC Meeting

Ref: SICET/PRL/IQAC/33 / 2023-24 dated 22/04/2024

Date & Time: 04/05/2024 & 2.30 P.M

Venue: IQAC Hall

Agenda:

- Discussion on Previous meeting
- Final Year Results
- Conduct of MID II Examinations
- Conduct of End Examinations
- Conduct of Culturals and Annual Day
- Conduct of Graduation Day
- CRT Program for III Year Students
- Conduct of Green Audit
- Conduct of Internal Audit for all Branches
- NAAC Visit
- Any other matters b.f by the members subject to permission from the chairperson

Venue: IQAC Hall

Members Present:

S. No.	Name of the Governing Body Member	Designation in the Institute	Designation in IQAC	Signature
1	Dr G Suresh	Principal	Chairperson	
2	Shri.AnupChakravarthy .R	Secretary	Management Member	

3	Dr.N.C.Sendhilkumar	HOD,ECE	Coordinator	
4	Prof K.Ashok Babu	Prof / ECE	Member	
5	Prof A.Rama Krishna Rao	DAE	Member	
6	Dr K S SadasivaRao	Dean, R&D	Member	
7	Dr G V N Prasad	HOD CSE	Member	
8	Dr P Balasubramaniam	Controller of Examinations	Member	
9	Dr T Charan Singh	HOD CSIT	Member	
10	Dr K Sampath	HOD IOT	Member	
11	Dr Adalene Johnsane	HOD AI&DS	Member	
12	Ms.UmaMaheswari	HOD AIML	Member	
13	Dr P Epsiba	HOD IT	Member	
14	Mr.Rakesh	HOD EEE	Member	
15	Mr.D Rajendra Babu	HOD , CIVIL	Member	
16	Mr.M Srinivasrao	HOD,MECH	Member	
17	Ms N Sailaja	HOD H&S	Member	
18	Ms.SandhyaRani	AP ECE	Member	
19	Mr. R.Venkateswar	Director, Campus Placements & Corporate Relations	Member	
20	Mr A Dilip Kumar	ECE	Student member	
21	Mr.NikhilKumar	CSE	Student member	
22	Ms Thrisha	AI&DS	Student member	
23	Dr. J. Madhavan	Professor, Bhoji Reddy College, Hyderabad	Member from other institution	

The chairperson welcomed all the members to the meeting and briefed about the agenda in detail. The Following points were discussed by the coordinators and other members present in the meeting to improve the performance of the students and Faculty during the II semester of the AY 2023-24 along with the action to be taken

1. Action taken on the previous meeting was discussed in detail and members suggested few areas of improvement.
2. It is insisted to CE to process and declare the IV II Results as early as possible so that it will enable the students to go for higher studies and Job with ease.
3. II II and III II Mid Exam and End Exam Circulars to be released at the earliest.
4. It has been planned to conduct Cultural day department wise.
5. Tentatively it has been discussed to conduct Graduation during the month of August after getting necessary permissions from the concerned authorities.
6. CRT programs should be conducted more intensively to make students ready for the placement programs
7. It has been planned to conduct green audit of the campus during the month of September
8. Internal Audit for all Academic and Administrative departments will be initiated at the earliest.
9. Remedial classes to be conducted as per the guidelines given already.

The meeting concluded with vote of thanks by the Chairperson

COORDINATOR - IQAC

INTERNAL QUALITY ASSURANCE CELL (2023-2024)

ACTION TAKEN REPORT FOR Ref.No.: SICET/PRL/IQAC/30 / 2023-24

Ref: SICET/PRL/IQAC/30 / 2023-24 **Date:03/08/2023**

The following are the action taken report for the Minutes of the Meeting No.: **SICET/PRL/IQAC/30 / 2023-24** was held on 01/07/2023

Item No.: 1: To confirm the minutes of the meeting: **SICET/PRL/IQAC/30 / 2023-24** of the IQAC held on 01/07/2023.

Action Taken: The minutes of the meeting: **SICET/PRL/IQAC/30 / 2023-24** of the IQAC circulated among all the members were discussed and confirmed.

Item No.: 2: Action Taken Report (ATR) on decisions of the previous meeting

Meeting No.: SICET/PRL/IQAC/30 / 2023-24	**Action taken report**	**Responsible**
Status of points discussed in Previous meeting	ATR Submitted	IQAC Coordinator
Commencement of Academic year 2023-2024.	Academic Calendar released	CE
End Exam for II and III Years	Circular to be relesed	CE
Course File Updation	Updated	HODs and Faculty
Question Bank Updation	In Progress	HODs and Faculty
Assignments to Assess the students understanding of the Course	Implemented	HODs and Faculty
Conduct of National level Technical Symposium and Conference	Planned	HODs

Result Processing	In Process	CE
Training programs, Internships and IV	Activities Scheduled	PAT
Mid Question Verification	During Mid xams	CE
Upgrading Lab Facilities	List to be prepared	HODs
Improvement of Library Facililties	In Progress	Librarian
Additional Infrastructure Requirements	Planned	HODs an AO
Research Initiatives	Meetings to be planned	R&D Coordinator
Faculty Enrichment Programs	Planned	HODs
Slow and Fast Learner Identification	To be done	Faculty
Internal Audits	Scheduled	IQAC
Budget	To be prepared	HOD and Auditor
NAAC Work Status	In Progress	HODs and Faculty

The above Action Taken Report (ATR) will be discussed in the consecutive meeting also.

Coordinator

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Sheriguda, RR

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INTERNAL QUALITY ASSURANCE CELL (2022-2023)

Ref: SICET/PRL/IQAC/30 / 2023-24 **Date: 24/06/2023**

CIRCULAR

All the members of IQAC are here by informed to attend the meeting scheduled on 01/07/2023 at 2.30 PM.

Agenda:

- Discussion on previous meeting Minutes
- Commencement of Academic year 2023-2024.
- End Exam for II and III Years
- Course File Updation
- Question Bank Updation
- Assignments to Assess the students understanding of the Course
- Conduct of National level Technical Symposium and Conference
- Result Processing
- Training programs, Internships and IV
- Mid Question Verification
- Upgrading Lab Facilities
- Improvement of Library Facililties
- Additional Infrastructure Requirements
- Research Initiatives
- Faculty Enrichment Programs
- Slow and Fast Learner Identification
- Internal Audits
- Budget
- NAAC Work Status
- Any other matters b.f by the members subject to permission from the chairperson

Venue: IQAC Hall

COORDINATOR - IQAC

Sri Indu College of Engineering & Technology Sheriguda, RR Dist

Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist
UGC Autonomous Institution

Ref: SICET/PRL/IQAC/30/2023-24

Minutes of the IQAC Meeting

Date & Time: 01/07/2023 & 2.30 P.M

Venue: IQAC Hall

Agenda:

- Discussion on previous meeting Minutes
- Commencement of Academic year 2023-2024.
- End Exam for II and III Years
- Course File Updation
- Question Bank Updation
- Assignments to Assess the students understanding of the Course
- Conduct of National level Technical Symposium and Conference
- Result Processing
- Training programs, Internships and IV
- Mid Question Verification
- Upgrading Lab Facilities
- Improvement of Library Facililties
- Additional Infrastructure Requirements
- Research Initiatives
- Faculty Enrichment Programs
- Slow and Fast Learner Identification
- Internal Audits
- Budget
- NAAC Work Status
- Any other matters b.f by the members subject to permission from the chairperson

Members Present:

S. No.	Name of the Governing Body Member	Designation in the Institute	Designation in IQAC	Signature
1	Dr G Suresh	Principal	Chairperson	
2	Shri.R Venkat Rao	Secretary	Management Member	

Date: 01/07/23

3	Dr.N.C.Sendhilkumar	HOD,ECE	Coordinator	
4	Prof K.Ashok Babu	Prof / ECE	Member	
5	Prof A.Rama Krishna Rao	DAE	Member	
6	Dr K S SadasivaRao	Dean	Member	
7	Dr S R Mugunthan	R&D Coordinator	Member	
8	Dr P Balasubramaniam	Controller of Examinations	Member	
9	Dr T Charan Singh	HOD CSE	Member	
10	Dr K Sampath	HOD IOT	Member	
11	Dr Adalene Johnsane	HOD AI&DS	Member	
12	Ms.UmaMaheswari	HOD AIML	Member	
13	Ms B Surekha	HOD IT	Member	
14	Mr.Rakesh	HOD EEE	Member	
15	Mr.D Rajendra Babu	HOD , CIVIL	Member	
16	Mr.M Srinivasrao	HOD,MECH	Member	
17	Ms N Sailaja	HOD H&S	Member	
18	Ms.SandhyaRani	AP ECE	Member	
19	Mr. R.Venkateswar	Director, Campus Placements & Corporate Relations	Member	
20	Mr.M Narasimma	PED	Member	
21	Mr P Dayakar Reddy	Librarian	Member	
22	Mr A Dilip Kumar	ECE	Student member	
23	Mr.NikhilKumar	CSE	Student member	
24	Ms Thrisha	AI&DS	Student member	
25	Dr. J. Madhavan	Professor, Bhoji Reddy College, Hyderabad	Member from other institution	

Date: 01/7/23

The chairperson welcomed all the members to the meeting and briefed about the agenda in detail. The Following points were discussed to improve the performance of the students and Faculty during the I semester of the AY 2022-23 along with the action to be taken

1. The coordinator asked about the implementation of points discussed in the previous meeting and also analysis of mid Exam performance.
2. The coordinator informed as per the Academic Calender released by the CE office , the classes will be commenced . Also informed all HODs to take necessary steps to make the classes as scheduled.
3. As per the suggestion by the members present, it has been decided to update the Content of the Course file for the coming semester and it must verified by designated course file coordinator and the same should be signed by the IQAC Coordinator on or before 31.07.2023.
4. Since there is revison in the regulations during the year 2020-2021 and 2022-23, it has been decided to revise and update the Question Banks available with CE office for the conduct of Mid Examinations for the subjects which was not completed earlier.The pending list of subjects will be shared by CE to the concerned HODs.
5. Members felt that faculty must be advised to use more ICT tools for teaching. Usage of ICT will enable students to involve more and also it as provide very good improvement in covering the syllabus on time and providing additional information to the students.
6. In continuation to the usage of ICT, all the heads were instructed to instruct the faculty members to use the tools more frequently and also to provide more content beyond syllabus topics
7. In order to assess the students understanding of the Subjects, it was planned to design Assignment by forming batch of 4 to 5 students and giving assignment for each batch separetly. This will help students in a better way as they will get more assignment topics from other batches.
8. It has been planned to give the above mentioned particular Assignments after covering atleast 70% of the syllabus.
9. All the departments are asked conduct Technical symposium and conference by getting sponsorship and funds from various funding agencies as early as possible.
10. CE has been asked to process the result as early as possible.
11. CRT should be conducted as early as possible which will help the sudents to get trained for the placements in a better way
12. It has been decided to verify, randomly the standards of MID Exam Question Papers from the CE office after getting consent from the CE and Dean.In this regard HODs were asked to list two experianced faculties apart from the IQAC Member to carry over the task.
13. It has been informed to submit the requirements in Labs, Library and any other additional Infrastructure requirements which will be taken care by AO for necessary arrangements.

Date: 01/07/23

14. Research activities should be taken up very seriously. Faculty publications should be improved.Incentives and appreciation will be given to faculty who contribute in research activities.The details will be shared.

15. Faculty should involve in quality publications in journals and also publication of Patents.

16. It has been informed that minimumof 2 papers should be published by each faculty.

17. Department Heads are informed to inform faculty to apply for getting funds to conduct FDPs and other research activities.

18. Students should be motivated to publish papers and also to participate in taking various NPTEL/MOOC Courses.

19. Various Faculty Enhancement acticities to be conducte department wise and college wise. HODs should plan the activities and the same to be informed.

20. Based on the students performance in the previous exams and forthcoming Mid Exam, slow and fast learners should be identified.After identification suitable activities should be conducted to improve the performance further.

21. The Schdule for Internal Audit will be released and the same to be strictly adhered.

22. Internships and Industrial Visits should be arranged as soon as possible and students should be encouraged to participate without fail.

The meeting concluded with note of thanks to all the participants by the Convenor.

COORDINATOR - IQAC

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Sheriguda, IBP

INTERNAL QUALITY ASSURANCE CELL (2023-2024)

ACTION TAKEN REPORT FOR Ref.No.: SICET/PRL/IQAC/31 / 2023

Ref: SICET/PRL/IQAC/ATR/31 / 2023-24 **Date: 25/11/2023**

The following are the action taken report for the Minutes of the Meeting No.: SICET/PRL/IQAC/31 / 2023-24 held on 04/11/2023

Item No.: 1: To confirm the minutes of the meeting: SICET/PRL/IQAC/31 / 2023-24 of the IQAC held on 04/11/23

Action Taken: The minutes of the meeting: SICET/PRL/IQAC/31 / 2023-24 of the IQAC circulated among all the members were discussed and confirmed.

Item No.: 2: Action Taken Report (ATR) on decisions of the previous meeting

Meeting No.: SICET/PRL/IQAC/31 / 2023-24	**Action taken report**	**Responsible**
Discussion on previous meeting ATR	Pending works to be completed	IQAC Coordinator
Mid and End Exams.	Scheduled	CE
Commencement of Final Sem Classes	Scheduled	Coordinator and HOD
Final Year Mini Project Exams	Schedule to be released	CE & HOD
Syllabus Coverage of all other UG and PG Branches	Updated	HODs
Placement Activities	Details Shared	Placement Director
Conduct of Training Program	Scheduled	Placement Director

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Usage of ICT and other novel teaching methodologies	Information Shared	Faculty & HOD
Methodologies to improve Research contributions	Methodologies Shared	Dean R&D
Students Grievance and Redressal	In Progress	Coordinator
Mentor Mentee Activities	In Progress	Mentors
Internal Audits	Scheduled	IQAC
Hostel student activities	Updated	Warden
Go Green Initiatives	In Progress	AO
Student Outreach Program	Planned	HOD and Coordinators
NAAC Work Status	Details Updated	All

The above Action Taken Report (ATR) will be discussed in the consecutive meeting also.

Coordinator

Copy to 1.Principal 2.All HODs
Circulated to : 1.All IQAC Members & all Concerned

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Electronics and Communication Engineering

INDEX SHEET

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Electronics and Communication Engineering

2019-23 Subjects List

S.No	Course Code	Course Title
		I Year – I Semester
1	R18MTH1101	Mathematics–I(LinearAlgebraandCalculus)
3	R18CSE1101	AppliedPhysics
4	R18MED1102	Programming forProblemSolving
5	R18EAP12L1	EngineeringGraphics
6	R18CSE12L1	AppliedPhysicsLab
7	R18HAS1102	ProgrammingforProblemSolvingLab
8	R18IPG1101	EnvironmentalScience
		I Year – II Semester
9	R18MTH1201	Mathematics – II
10	R18ECH1101	Chemistry
11	R18EEE1101	BEE
12	R18MED1101	Engineering Workshop
13	R18HAS1101	English
14	R18ECH12L1	EC Lab
15	R18HAS12L1	ELCS Lab
16	R18EEE12L2	BEE Lab
		II Year – I Semester
17	R18ECE2101	ElectronicDevicesandCircuits
18	R18EEE2107	NetworkTheory
19	R18ECE2102	DigitalLogicDesign
20	R18ECE2103	SignalsandSystems
21	R18ECE2104	ProbabilityTheoryandStochasticProcesses
22	R18ECE21L1	ElectronicDevicesandCircuitsLab
23	R18ECE21L2	DigitalLogic DesignLab
	R18ECE21L3	BasicSimulationLab

24	R18MAC2100	GenderSensitizationLab
	II Year – II Semester	
25	R18MTH2201	LaplaceTransforms, NumericalMethods& Complex Variables
26	R18ECE2201	ElectromagneticTheoryAndTransmission Lines
27	R18ECE2202	AnalogandDigitalCommunications
28	R18ECE2203	Linear andDigitalICApplications
29	R18ECE2204	ElectronicCircuitAnalysis
30	R18ECE22L1	AnalogandDigitalCommunicationsLab
31	R18ECE22L2	ICApplicationsLab
	R18ECE22L3	ElectronicCircuitAnalysisLab
	R18MAC2200	IntellectualPropertyRights
	III Year – I Semester	
33	R18MBA2201	BusinessEconomics&FinancialAnalysis
34	R18ECE3101	Microprocessors&Microcontrollers
35	R18INF3103	DataCommunicationsand Networks
36	R18EEE2202	ControlSystems
37	R18CSE3114	ComputerOrganization&OperatingSystems
38	R18ECE31L1	Microprocessors&MicrocontrollersLab
39	R18INF31L2	DataCommunicationsandNetworksLab
40	R18HAS31L1	AdvancedCommunicationSkills Lab
	III Year – II Semester	
41	R18ECE3201	AntennasandWavePropagation
42	R18ECE3202	DigitalSignalProcessing
43	R18ECE3203	VLSIDesign
44	R18ECE3221	EmbeddedSystemDesign
45	R18ECE3273	ConsumerElectronics
46	R18ECE32L1	DigitalSignalProcessing Lab
47	R18ECE32L2	e–CADLab
	IV Year – I Semester	
49	R18ECE4101	MicrowaveandOpticalCommunication
50	R18HAS4101	ProfessionalPractice,Law&Ethics
51	R18ECE4131	Digital Image Processing

52	R18ECE4131	Cellular and Mobile Communications
53	R18ECE4183	Principles of Modern Communication Systems
55	R18ECE41L1	Microwave&OpticalCommunicationsLab
IV Year – II Semester		
57	R18ECE4251	Satellite Communications
58	R18ECE4261	WirelessCommunication&Networks
59	R18ECE4293	Audio andVideoEngineering

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Electronics and Communication Engineering

COURSE OUTCOMES

I YEAR ECE SEMESTER - I (REGULATION – R18)

ACADEMIC YEAR: 2019- 2023

Course Code & Name: R18MTH1101 – Mathematics–I

Upon the completion of the course, Students will be able to:

Course Name	Course outcomes
C111.1	Write the matrix representation of a set of linear equations and to analyze the solution of the system of equations (L4-Analyse)
C111.2	Reduce the quadratic form to canonical form using orthogonal transformations (L3-Apply)
C111.3	Analyse the nature of sequence and series (L4-Analyse)
C111.4	Solve the applications on mean value theorems (L3-Apply)
C111.5	Evaluate the improper integrals using Beta and Gamma functions (L5-Evaluate)
C111.6	Find the extreme values of functions of two variables with / without constraints (L3-Apply)

Course Code & Name: R18EAP1101 – AppliedPhysics

Upon the completion of the course, Students will be able to:

Course Name	Course outcomes
C112.1	The concepts would be able to learn the fundamental concepts on Quantum behavior of matter in its micro state and dual nature. (L3-Applying).
C112.2	The knowledge of fundamentals of the semiconductors, semiconductor diodes and transistors. (L3-Applying).
C112.3	Analyzing the principle and working of various optoelectronic devices like solar cell, photo diode, etc. (L4-Analyzing).
C112.4	Study about characteristics of lasers and transmission of signal in optical fiber.(L4-Analyzing)
C112.5	Evaluate the polarization phenomenon in dielectrics and magnetization in magnetic materials and principles of electromagnetism. (L5 -Evaluating).
C112.6	Able to Design and characterize to study the properties of materials help to prepare new materials for engineering applications. (L6-Creating).

Course Code & Name:R18CSE1101 PROGRAMMING FOR PROBLEM SOLVING (113)

Upon the completion of the course, Students will be able to:

Course Name	Course outcomes
C113.1	Formulate algorithms/flowcharts there by translating them into programs using variables with various data types , looping and selection statements.(L6-create)
C113.2	Implement logic building techniques using control statements and arrays (L3-apply)
C113.3	Construct modular and structure programming using functions, strings and structures.(L3-Apply)
C113.4	Analyze the iteration with recursion and implementation macros. (L4-Analyze)
C113.5	Illustration of pointers and implement memory management techniques and file handling approach. (L4-Analyze)
C113.6	Implement search and sort operations on arrays.(L3-Apply)

Course Code & Name: R16CSE1101 – Computer Programming

Upon the completion of the course, Students will be able to:

Course Name	Course outcomes
C114.1	Formulate simple algorithms and translate the algorithms to programs using C language. (L3-Apply)
C114.2	Develop a c program by using problem solving techniques. (L6-Create)
C114.3	Implement operators, decision making and loop statements to solve the given problem. (L3-Apply)
C114.4	Categorize the given data to solve the problem by applying arrays, pointers and strings. (L4-Analyze)
C114.5	Decompose a problem into functions and to develop modular reusable code. (L4-Analyze)
C114.6	Analyze the usage of structures and union. (L4-Analyze)

Course Code & Name: R18MED1102 ENGINEERING GRAPHICS

Upon the completion of the course, Students will be able to:

Course Name	**Course outcomes**
C115.1	Acquire requisite basic knowledge, techniques for the study of engineering graphics.(L4)
C115.2	Comprehend the basics of orthographic projections and deduce orthographic projections of a points, lines and planes at different orientations.(L3)
C115.3	Imagine orthographic views of various solid objects at different orientations. (L5)
C115.4	Understanding the meaning of sectioning and to anlalyse the internal details of solids.(L3)
C115.5	Develop the surfaces and Intersection of right regular solids.(L4)
C115.6	Recognize the significance of isometric and perspective views to relate 2D with 3D and to create 2D sketches by Auto CAD package.(L4)

Course Code & Name: R18EAP12L1 APPLIED PHYSICS LAB (115)

Upon the completion of the course, Students will be able to:

Course Name	**Course outcomes**
C116.1	Understand Voltage – Current characteristics semiconductor devices and opto electronic devices. (L2- Understanding)
C116.2	Estimated how the light energy converts into electrical energy by using photo diodes. (L4-Analyzing)
C116.3	The nature of the semiconducting material can be identified by evaluating hall coefficient.(L4- Analyzing)
C116.4	Learn the practical knowledge in quantum concepts by photo electric effect experiment and Characteristics of Laser diode. (L3-Applying)
C116.5	Analyze the magnetization and demagnetization of a magnetic material. (L4-Analyzing)
C116.6	Calculate the Numerical aperture of an optical fiber. (L3-Applying)

Course Code & Name: R18CSE12L1 PROGRAMMING FOR PROBLEM SOLVING LAB

Upon the completion of the course, Students will be able to:

Course Name	**Course outcomes**
C117.1	Formulate algorithms/flowcharts there by translating them into programs using variables with various data types , looping and selection statements.(L6-create)
C117.2	Implement logic building techniques using control statements and arrays (L3-apply)
C117.3	Construct modular and structure programming using functions, strings and structures.(L3-Apply)
C117.4	Analyze the iteration with recursion and implementation macros. (L4-Analyze)
C117.5	Illustration of pointers and implement memory management techniques and file handling approach. (L4-Analyze)
C117.6	Implement search and sort operations on arrays.(L3-Apply)

COURSE OUTCOMES
I YEAR ECE SEMESTER - II (REGULATION – R16)
ACADEMIC YEAR: 2017 – 2018

Course Code & Name: R18MTH1201) MATHEMATICS– II(ADVANCEDCALCULUS)(121)

Upon the completion of the course, Students will be able to:

Course Name	Course outcomes
C121.1	Apply the methods to solve the first order differential equations and its applications **(L3-Apply)**
C121.2	Analyze the methods to solve the higher order differential equations and its applications **(L4-Analyse)**
C121.3	Evaluating multiple integrals in Cartesian and polar forms **(L5-Evaluate)**
C121.4	Apply the multiple integrals to find the areas, volumes, centre of mass and gravity for cubes and spheres **(L3-Apply)**
C121.5	Solving vector and scalar point functions- Gradient, Divergence, Curl **(L3-Apply)**
C121.6	Evaluate the line, surface, volume integrals and converting them from one to another **(L5-Evaluate)**

Course Code & Name: R18ECH1101 CHEMISTRY(122)

Upon the completion of the course, Students will be able to:

Course Name	Course outcomes
C122.1	Illustrate the molecular orbital energy level diagram of different molecular species(L3-Applying)
C122.2	Analyze the impurities present in the water for industrial and domestic applications.(L4-Analyzing)
C122.3	Describe and understand the operation of electrochemical cells for the production of electric energy, i.e. batteries(L3-Applying)
C122.4	Summarise the effects of corrosion to indicate the use of alloys in various metallic structures(L3-Applying)
C122.5	The knowledge of configurational and conformational analysis of molecules and reaction mechanisms.(L4-Analyzing)
C122.6	Identify & recognize the role of polymers and lubricants in various fields (L3-Applying)

Course Code & Name: R18EEE1101 BASIC ELECTRICAL ENGINEERING (113)

Upon the completion of the course, Students will be able to:

Course Name	Course outcomes
C123.1	To analyze and solve electrical circuits using network laws and theorems.(L3 & L4- Applying & Analyze)
C123.2	To understand and analyze basic Electric and Magnetic circuits(L4- Analyze)
C123.3	To study and design the transformer. (L3&L6-Applying & Create)
C123.4	Summarize the regulation and efficiency of Transformer. (L5- Evaluating)
C123.5	To study the working principles of Electrical Machines and design. . (L3&L6-Applying & Create)
C123.6	To introduce components of Low Voltage Electrical Installations.(L3-Applying)

Course Code & Name: R18MED1101 ENGINEERING WORKSHOP (101)

Upon the completion of the course, Students will be able to:

Course Name	Course outcomes
C124.1	Ability to design and model different prototypes in the carpentry trade such as crossl apjoint,dovetail joint etc.
C124.2	Identify and apply suitable tools for difeferent trades if Engineering processes including drilling ,material removing ,measuring,chiseling in fitting(L3 Applying)
C124.3	Identify Tools and Techniques Used for Sheet Metal Fabrication. (**L3applying**)
C124.4	Apply the Skills of basic electrical engineering for house wiring practice. (**L3applying)**
C124.5	Practice on manufacturing of components using workshop trades including Black smithy and Foundry. .(**L3applying)**
C124.6	Use Welding Equipment to join the structures.(**L3applying)**

Course Code & Name: R18HAS1101 ENGLISH(115)

Upon the completion of the course, Students will be able to:

Course Name	Course outcomes
C125.1	Developing the language proficiency of students in English with an emphasis on vocabulary, grammar and pronunciation **(Create L6)**.
C125.2	Understand the given texts and respond appropriately.(**Understand L2)**
C125.3	Communicate and integrate confidently in various contexts and different cultures **(Create L6**)
C125.4	Acquire basic proficiency in English in describing, reading, listening comprehension, writing and speaking skills **(Remember L1)**.
C125.5	Develop an awareness in the students about the significance of silent reading, analyzing and comprehending (**Analyze L4)**.
C125.6	use English language effectively in spoken and written forms in both formal and informal situations**.(Apply L3**).

Course Code & Name: R18ECH12L1 ENGINEERING CHEMISTRY LAB (126)

Upon the completion of the course, Students will be able to:

Course Name	Course outcomes
C126.1	DeDetermination of parameters like hardness and chloride content in water(L2-Understanding)
C126.2	Determine the strength of solutions by the property of conductance(L2-Understanding)
C126.3	Determine the concentration of solutions by emf potentiometrically. (L1-Remembering)
C126.4	Estimate the ions present in the given solution by potentiometrically. (L5-Evaluating)
C126.5	Evaluate the percentage of yield of drug molecules by organic synthesis (L5-Evaluating)
C126.6	Determine the physical properties of liquids (L2-Understanding)

Course Code & Name: R18HAS12L1 ENGLISHLANGUAGEANDCOMMUNICATIONSKILLS LAB(117)	
Upon the completion of the course, Students will be able to:	
Course Name	**Course outcomes**
C127.1	Students will be able to speak effectively in English, through a well developed vocabulary**(Evaluate, L5)**
C127.2	Students will be able to express and communicate fluently and appropriately in social professional context**(Analyze L4)**
C127.3	The development of comprehensive ability through English Language enables the Students in understanding and assimilating other Engineering subjects **(Evaluate, L5)**
C127.4	The awareness of English Lab enriches their communication and soft skills contributing to their overall development and success. **(Analyze L4)**
C127.5	Students will be able to draft various letters and reports for all official purposes. **(Analyze L4)**
C127.6	facilitate computer assisted multimedia instructions enabling individualized and independent language learning **(Analyze L4)**

Course Code & Name: R18EEE12L2 BASIC ELECTRICAL ENGINEERING LAB(118)	
Upon the completion of the course, Students will be able to:	
Course Name	**Course outcomes**
C128.1	Get an exposure to basic electrical laws.L1 APPLYING
C128.2	Understand the response of different types of electrical circuits to different excitation.L3 UNDERSTANDING
C128.3	Understand the measurement and calculation of Resonance. L3 UNDERSTANDING
C128.4	Understand the efficiency and regulation of transformers. L3 UNDERSTANDING
C128.5	Evaluate the powers of transformers.L1APPLYING
C128.6	Understand the characteristics and efficiency of electrical machines. L3 UNDERSTANDING

COURSE OUTCOMES
II YEAR ECE SEMESTER - I (REGULATION – R18)
ACADEMIC YEAR: 2018 – 2019

Course Name & Code: :(R18ECE2101) ELECTRONIC DEVICES AND CIRCUITS(211)	
Upon completion of the course, students will be able to:	
	Course outcomes
C211 [1]	Identify the construction, operation and characteristics of electronic devices like P-N- Junction and special Purpose diodes (K3-Applying).
C211 [2]	Function the application of diode as a rectifier (K4-Analyzing)
C211 [3]	Select the transistors as amplifier and Compare the CE,CB,CC amplifier configurations (K5-Evaluating)
C211 [4]	Analyse the Biasing circuits and stabilization using BJT Transistor Amplifier Circuit (K4-Analyse)
C211 [5]	Interpret the construction, operation and characteristics of FET (K5-Evaluating)
C211 [6]	Select using FET for CS,CD Amplifiers (K4-Analyse)

Course Code & Name: R18EEE2107) NETWORK THEORY (212)	
Upon completion of the course, Students will be able to:	
	Course outcomes
C212 [1]	Identify the basic of Magnetic Circuits (K3-Apply)
C212 [2]	Analyse the planar networks by using Graph Theory (K4-Analysing)
C212 [3]	Analyse the three phase circuits using Star Delta connection(K4-Analysing)
C212 [4]	Evaluate Transient Response, Steady State response by using Laplace Transform method(K5-Eveluting)

C212 [5]	Evaluate Two Port network parameter and analyse the transmission line and transistor network(K5-Evulauting)

C212 [6]	Compare and explain different filters (K5-Evaluting)

Course Code & Name:(R18ECE2102) DIGITAL LOGIC DESIGN (213)	
Upon completion of the course, Students will be able to:	
C213 [1]	Illustrate the given Boolean expressions by using theorems &properties for SOP&POS forms and K-maps, BCD, Code Conversions. (K3-Apply)
C213 [2]	Design &analyze combinational logic circuits. (K6-Create)
C213 [3]	Explain the operation &timing constrains for Latches &Flip-Flops, Registers and counters. (K5- Evaluting)
C213 [4]	Design &analyze sequential circuits. (K6-Create)
C213 [5]	Classify the different logic families &Programmable logic devices. (K4-Analyse)
C213 [6]	Use HDL &appropriate EDA tools for digital logic design &simulation. (K3-Apply)

Course Code & Name: :(R18ECE2103) SIGNALS AND SYSTEMS (214)	
Upon Completion of the course, the students will be able to:	
	Course outcomes
C214 [1]	Interpret any signal in terms of complete sets of orthogonal functions and understands the principles of basic signals.(K-Evaluting)
C214 [2]	Analyse Fourier spectrum by using Fourier series and Fourier transforms. (K4-Analysing)
C214 [3]	Make use of sampling theorem to reconstruct signal from its samples.(K3-applying)
C214 [4]	Design a distortion less LTI system and derive filter characteristics of a system. (K6-Create)
C214 [5]	Explain parsevals theorem and concepts convolution, correlation in time domain and frequency domain.(K5-Evaluting)
C214 [6]	Analyze Lapalce Transforms, Fourier Transforms and Z-Transforms.(K4-Analyze)

Course Code & Name:R18ECE2104) PROBABILITY THEORY AND STOCHASTIC PROCESSES (215)	
Upon Completion of the course, the students will be able to:	
	Course outcomes
C215 [1]	Illustrate and formulate fundamental probability distribution and density functions, as well as functions of random variables (K3- Applying)
C215 [2]	Explain the concepts of expectation and conditional expectation, and describe their properties (K5- Evaluting)
C215 [3]	Analyze continuous and discrete-time random processes (K4-Analyzing)
C215 [4]	Explain the concepts of stationary and wide-sense Stationarity, and appreciate their significance (K5- Evaluting
C215 [5]	Apply the theory of stochastic processes to analyze linear systems (K3- Applying)
C215 [6]	Apply the above knowledge to solve basic problems in filtering, prediction and smoothing (K3- Applying)

Course Code & Name:(R18ECE21L1) ELECTRONIC DEVICES AND CIRCUITS LAB.(216)	
Upon Completion of the course, the students will be able to:	
	Course outcomes
C216 [1]	Determine the P-N-Junction diode & Zener diode characteristics (K3-Apply).
C216 [2]	Calculate the Input and Output characteristics of BJT and FET (K3-Apply).
C216 [3]	Evaluate Half Wave and Full Wave Rectifier with and without filters (K5-Evaluate).
C216 [4]	Compare Measurement of h-parameters of transistor in CB, CE, CC configurations (K4-Analyse).
C216 [5]	Analyse the Frequency response of CE, CC and Common Source FET Amplifier (K4-Analyse).
C216 [6]	Measure SCR and UJT characteristics (K5-Evaluate).

Course Code & Name:(R18ECE21L2) DIGITAL LOGIC DESIGN LAB (217)	
Upon the completion of the course, Students will be able to:	
	Course outcomes
C217 [1]	Explain theory of Boolean Algebra & the Underlying features of various number systems. (K5-Evaluting)
C217 [2]	Make Use of the concepts of Boolean Algebra for the analysis &design of various combinational logic circuits. (K3-Apply)
C217 [3]	Make use of the concepts of Boolean Algebra for the analysis &design of various sequential logic circuits. (K3-Apply)
C217 [4]	Design various logic gates starting from simple ordinary gates to complex Programmable logic devices & arrays. (K6-Create)
C217 [5]	Analyze the various coding schemes are the part of the digital circuit design. (K4 -Analyse)
C217 [6]	Design of various circuits with the help of VHDL coding techniques. (K6-Create)

Course Code & Name: :R18ECE21L3) BASIC SIMULATION LAB (218)	
Upon the completion of the course, Students will be able to:	
	Course outcomes
C218 [1]	Interpret any signal in terms of complete sets of orthogonal functions and understands the principles of basic signals. (K5-Evaluting)
C218 [2]	Model the Fourier spectrum by using Fourier series and Fourier transforms. (K3-Apply)
C218 [3]	Apply sampling theorem to reconstruct signal from its samples. (K3-Apply)
C218 [4]	Design a distortion less LTI system and derive filter characteristics of a system. (K6-Create)
C218 [5]	Determine convolution, correlation in time domain and frequency domain. (K5- Evulating)
C218 [6]	Analyze Laplace Transforms, Fourier Transforms and Z-Transforms. (K4-Analyze)

Course Code & Name:(R18MAC2100) GENDER SENSITIZATION LAB (219)	
Upon Completion of the course, the students will be able to:	
	Course outcomes
C216 [1]	Identify the important issues related to gender in contemporary India.(K3-Appying)
C216 [2]	Predict basic dimensions of the biological, sociological, psychological and legal aspects of gender. This will be achieved through discussion of materials derived from research, facts, everyday life, literature and film.(K6-Create)
C216 [3]	Explain a finer grasp of how gender discrimination works in our society and how to counter it.(K5-Evaluting)
C216 [4]	Show insight into the gendered division of labour and its relation to politics and economics.(K2-Understanding)
C216 [5]	Justify Men and women students and professionals will be better equipped to work and live together as equals.(K5-Evaluting)
C216 [6]	Through providing accounts of studies and movements as well as the new laws that provide protection and relief to women, the textbook will empower students to understand and respond to gender violence.(K2-Understang)

COURSE OUTCOMES
II YEAR ECE SEMESTER - I I(REGULATION – R16)
ACADEMIC YEAR: 2018 – 2019

Course Name & Code: : (R18MTH2201) LAPLACE TRANSFORMS, NUMERICAL METHODS & COMPLEX VARIABLES (221)	
Upon completion of the course, students will be able to:	
	Course outcomes
C211 [1]	Make use of the Laplace transforms techniques for solving ODE's (k3-apply)
C211 [2]	Develop the root of a given Equation (k3-apply)
C211 [3]	Determine the value for the data using interpolation. (k5-Evaluting)

C211 [4]	Evaluate the numerical solutions for a given ODE’s (k5- evaluate)
C211 [5]	Analyse the complex function with reference to their analyticity, integration using Cauchy’s integral and residue theorems (k4-analyse)
C211 [6]	Dertermine complex functions in Taylor’s series & Laurent’s series (k5- Evaluting)

Course Code & Name: R18ECE2201) ELECTROMAGNETIC THEORY AND TRANSMISSION LINES (222)

Upon completion of the course, Students will be able to:

	Course outcomes
C212 [1]	Distinguish the electric and magnetic field intensity ,flux density and maxwell’s equations for electric and magnetic static fields (K4-Analysing).
C212 [2]	Apply time varying maxwell’s equations and their applications in electromagnetic propagation (K3-Apply).
C212 [3]	Select maxwell’s equations to describe the propagation of electromagnetic waves in vacuum and dielectric media (K5-Evaluting).
C212 [4]	Identify the reflection and refraction of waves at boundaries (K3-Apply).
[illegible]	[illegible]
C212 [6]	Measure the input and output impedances of transmission lines (K5-Evaluate).

Course Code & Name: (R18ECE2202) ANALOG AND DIGITAL COMMUNICATIONS(223)

Upon completion of the course, Students will be able to:

C213 [1]	Distinguish the various elements, processes, and parameters in communication systems, and describe their functions, effects, and interrelationship (K4-Analysing).
C213 [2]	Analyze and compare different analog modulation schemes for their efficiency and Bandwidth (K4-Analyse).
C213 [3]	Illustrate the behavior of a communication system in presence of noise (K3-Apply).
C213 [4]	Describe pulse modulation system and analyze their system performance (K4-Analyse).
C213 [5]	Analyse different digital modulation schemes and to compute the bit error performance (K4- Analyse).

C213 [6]	Identify basic knowledge of optimum demodulation of digital signals (K3-Applying).

Course Code & Name: :(R18ECE2203) LINEAR AND DIGITAL IC APPLICATIONS(224)	
Upon Completion of the course, the students will be able to:	
	Course outcomes
C214 [1]	Interpret the operational amplifiers with linear integrated circuits (K5-Evaluting).
C214 [2]	Identify the operational amplifiers for various applications (K3-Apply)
C214 [3]	Interpret the circuits based on analog to digital and digital to analog converters (K5- Evaluating).
C214 [4]	Make use of the different families of digital integrated circuits and their characteristics (K3- Applying).
C214 [5]	Analyze the concepts of combinational and sequential circuits (K4-Analyse).
C214 [6]	Evaluate the characteristics of memory and their classification (K5-Evaluate).

Course Code & Name: (R18ECE2204) ELECTRONIC CIRCUIT ANALYSIS(225)	
Upon Completion of the course, the students will be able to:	
	Course outcomes
C215 [1]	Interpret the single stage amplifiers and multi stage amplifiers. (K5-Evaluting)
C215 [2]	Analyze the DC bias circuitry of BJT and FET. (K4-Analyze)
C215 [3]	Identify the types of amplifier operation and characteristics. (K2-Understand)
C215 [4]	Test the operation of oscillators. (K6-Create)
C215 [5]	Determine efficiency of power amplifier. (K5-Evaluating)
C215 [6]	Design tuned amplifiers and bandwidth by using BJT. (K6-Create)

Course Code & Name: (R18ECE22L1) ANALOG AND DIGITAL COMMUNICATIONS LAB (226)	
Upon Completion of the course, the students will be able to:	
	Course outcomes
C216 [1]	Experiment with AM wave and calculate the modulation index of AM wave and predict the modulation index (β) of FM wave and simulate (K3-Applying).
C216 [2]	Organize the values of gain in Pre-Emphasis& De-Emphasis and analyse and simulate various pulse modulation techniques (K3-Applying)
C216 [3]	Analyze the AM and FM signals using spectrum analyser and verify the sampling theorem (K4-Analyze)
C216 [4]	Interpret the input and output characteristics of AGC receivers ,sampling and analyze simulate TDM and FDM multiplexing methods. (K5-Evaluating)
C216 [5]	Identify the basic components of digital communication systems and evaluate the base band data transmission techniques (K5-Evaluating)
C216 [6]	Analyze the generation and detection of the digital modulation techniques (K4- Analyze)

Course Code & Name:(R18ECE22L2) IC APPLICATIONS LAB (227)	
Upon the completion of the course, Students will be able to:	
	Course outcomes
C217 [1]	Apply the Operational amplifier for – Adder, Subtractor, Comparators (K3-Applying).
C217 [2]	Interpret the operational amplifiers with integrated circuits. (K5- Evaluting).
C217 [3]	Apply the operational amplifiers for LPF,HPF.(K3-Apply).
C217 [4]	Make use of operational amplifier for wave form generation(K3-Applying)
C217 [5]	Make use of IC 555, for multivibrator, IC 565 for PLL applications(K3-Applying).
C217 [6]	Experiment with voltage regulator, three terminal voltage regulator (K3-Applying)

Course Code & Name: :(R18ECE22L3) ELECTRONIC CIRCUIT ANALYSIS LAB(228)	
Upon the completion of the course, Students will be able to:	
	Course outcomes
C218 [1]	Determine the gain and bandwidth of common emitter and common base amplifier by using BJT (K5-Evaluating).
C218 [2]	Calculate the gain and bandwidth of common emitter and common source and common gate amplifier by using FET (K3-Analysing).
C218 [3]	Distinguish between gain and bandwidth of the single stage and two stage RC coupled amplifiers (K4- Analysing).
C218 [4]	Analyze the values of gain in feedback amplifiers techniques (current shunt and voltage series) (K4-Analysing).
C218 [5]	Distinguish between the theoretical and practical values of operating frequency in oscillators using transistors (K4-Analysing).
C218 [6]	Measure the efficiency of class A and class b power amplifiers (K5-evaluate).

COURSE OUTCOMES
III YEAR ECE SEMESTER - I (REGULATION – R16)
ACADEMIC YEAR: 2019 – 2020

Course Code & Name: (R18MBA2201) BUSINESS ECONOMICS & FINANCIAL ANALYSIS(311)	
Upon completion of the course, students will be able to:	
	Course outcomes
C311.1	Identify the market demand and supply analysis and pricing in different market structures (K3-applying).
C311.2	Analyze hoe production functions are carried out and analyze the cost (K4-Analysing).
C311.3	Compare the different markets and types of business organization (K4-Analysing).
C311.4	Analyze how capital budgeting decisions are carried out (K4-Analyse).
C311.5	Make use of the framework for both manual and computerized accounting process (K3- Applying).
C311.6	Analyze and interpret financial statements through ratio analysis (K4-Analyse).

Course Code & Name:(R18ECE3101) MICROPROCESSORS AND MICROCONTROLLERS (C312)	
Upon completion of the course, Students will be able to:	
	Course outcomes
C312.1	Describe the internal details of microprocessors 8086
C312.2	Interpret the various types of instruction sets of microprocessor 8086 to write programs.
C312.3	Analyze and apply different interfacing techniques to interface I/O devices with microprocessor 8086.
C312.4	Describe the internal details of microcontroller 8051
C312.5	Interpret the various types of instruction sets of microcontroller 8051 to write programs.
C312.6	Analyze and apply different programming techniques to control its supporting peripheral devices in real time.

Course Code & Name::(R18INF3103) DATA COMMUNICATIONS AND NETWORKS(313)

Upon the completion of the course, students will be able to:

	Course outcomes
C313.1	Identify the terminology and concepts of the OSI reference model and the TCP-IP reference model. (K3-Applying)
C313.2	Explain the transmission media, design issues and determine the CRC codes. (K5-Evaluting)
C313.3	Classify the various protocols of physical layer and MAC layer. (K4-Analysing)
C313.4	Explain the design issues, switching and evaluate the routing algorithms of network layer. (K5-Evaluating)
C313.5	Interpret the various Internetworking and Internet Transport protocols. (K5-Evaluating)
C313.6	Interpret the various application layer protocols. (K5-Evaluting)

Course Code & Name: (R16EEE2202) CONTROL SYSTEMS (314)

Upon Completion of the course, the students will be able to:

	Course outcomes
C314.1	Classify the control systems and feedbacks (K4-Analyse)
C314.2	Construct the block diagram of electrical systems and signal flow graphs (K3-Apply)
C314.3	Analyse the time response and transient response of first order, second order systems proportional derivative proportional integral systems stability of control systems in S- domain through RH criteria (K4-Analyse)
C314.4	Determine the root locus by adding poles and zeros (K5-Evaulating)
C314.5	Analyse the frequency response of system from bode plots, polar plots and nyquist plots (K4- analyse)
C314.6	Compare the state transition matrix with transfer function (K5-Evaluate)

Course Code & Name::(R18CSE3114) COMPUTER ORGANIZATION AND OPERATING SYSTEMS (315)

Upon the completion of the course, Students will be able to:

	Course outcomes
C315.1	Explain the basic structure of computer, register transfer language and micro operations. (K5-Evaluting)
C315.2	Identify the working process and design of micro programmed control unit. (K3- Applying)
C315.3	Interpret the concepts of memory, input-output organization. (K5-Evaluting)
C315.4	Discuss about functions, services of operating system. (K6-Create)
C315.5	Explain the memory management, dead lock and file management concepts. (K5-Evaluting)
C315.6	Discuss about file system interference and implementation of operating system (K6-Creating)

Course Code & Name: :(R18ECE31L1) MICROPROCESSORS AND MICROCONTROLLERS LAB (316)

Upon the completion of the course, Students will be able to:

	Course outcomes
C316.1	Develop the programs for 16-bit arithmetic operation, sorting, searching, string manipulations on 8086 microprocessor. (K6-Creating)

C316.2	Design and develop program for digital clock, parallel communication using 8255 and serial communication using 8251. (K6-Creating)
C316.3	Identify and write program for interfacing ADC, DAC and stepper motor to 8086. (K3- apply)
C316.4	Develop the programs for arithmetic, logical and bit manipulation instructions of 8051 and verify Timer/counter, interrupt handling in 8051 microcontroller. (K6-Creating)
C316.5	Intrepret the interfacing of LCD and Matrix/keyboard to 8051 and communication between 8051 kit and PC. (K5-Evaluting)
C316.6	Develop the program for UART and data transfer program from peripheral to memory through DMA controller 8237/8257. (K6-Creating)

Course Code & Name: (R18INF31L2) DATA COMMUNICATIONS AND NETWORKS LAB(317)

Upon the completion of the course, Students will be able to:

	Course outcomes
C317.1	Apply appropriate algorithm for the finding of shortest route. (K3-Apply)
C317.2	Develop the routing table System / Software Requirement. (K6-Create)
C317.3	Analysis the performance of various protocols in different layers. (K4-Analyze)
C317.4	Create communication between two desktop computers. (K6-Create)
C317.5	Apply appropriate algorithm for the finding of shortest route. (K3-Apply)
C317.6	Use appropriate network tools to build network topologies. (K3-Apply)

Course Code & Name: (R18HAS31L1) ADVANCED COMMUNICATION SKILLS (318)

Upon the completion of the course, Students will be able to:

	Course outcomes
C318.1	Speak effectively (K3-Apply)
C318.2	Express and communicate fluently and appropriately in social professional contexts (K3-Apply)
C318.3	The development of comprehensive ability through English language enables the students in understanding and assimilating other engineering subjects (K2-Understand)
C318.4	The awareness of English lab enriches their communication and soft skills contributing to their overall development and success(K4-Analyze)
C318.5	Draft various letters and reports for all official purpose (K6-Create)
C318.6	Take part in social and professional communication (K3-Apply)

COURSE OUTCOMES

III YEAR ECE SEMESTER - II (REGULATION – R16)

ACADEMIC YEAR: 2019 – 2020

Course Code & Name: (R18ECE3201) ANTENNAS AND WAVE PROPAGATION (321)

Upon the completion of the course, Students will be able to:

	Course outcomes
C321.1	Explain basic terminology and concepts of Antennas (K5-Evaluting).
C321.2	Discuss the basic parameters those are considered in the antenna design process and the analysis (K6-Create).
C321.3	Identify the electric and magnetic field emission from various basic antennas and mathematical formulation of the analysis (K3-apply).
C321.4	Select designed antenna and field evaluation under various conditions(K3-Applying).
C321.5	Design antennas that suits the propagation of the waves at different frequencies through different layers in the existing layered free space environment structure (K6-Creating).
C321.6	Design the bench setup for antenna parameter measurement of testing for their effectiveness (K6-Creating).

Course Code & Name:(R18ECE3202) DIGITAL SIGNAL PROCESSING (322)

Upon the completion of the course, Students will be able to:

	Course outcomes

C322.1	Identify time, frequency and Z - transform analysis on signals and systems. (K3-Applying)
C322.2	Distinguish between the inter-relationship between DFT and various transforms. (K2 Understand)
C322.3	Analyse the Fast computation of DFT and appreciate the FFT processing (K4 Analyze)
C322.4	Analyze IIR Digital Filters for a given specifications (K4 Analyze)
C322.5	Design FIR Digital filters using Window Techniques. (K6 Create)
C322.6	Evaluate the multi rate DSP techniques and finite word length effects. (K5 Evaluate)

Course Code & Name:(R18ECE3203) VLSI DESIGN (323)

Upon the completion of the course, Students will be able to:

	Course outcomes
C323.1	Identify the fabrication process of integrated circuit using MOS transistors. (K3-Applying)
C323.2	Choose an appropriate inverter depending on specifications required for a circuit. (K6- Create)
C323.3	Identify the layout and estimate parasitics of any logic circuit. (K3-Apply)
C323.4	Design different types of logic gates using CMOS inverter. (K6- Create)
C323.5	Design building blocks of datapath using gates and memories using MOS transistors. (K6- Create)
C323.6	Design Programmable logic devices and interpret the concept of testing to improve testability of system. (K6-Create)

Course Code & Name:(R18ECE3221) EMBEDDED SYSTEM DESIGN (324)

Upon the completion of the course, Students will be able to:

Course Name	Course outcomes
C324.1	Classify the embedded systems and explain the characteristics, applications ,quality attributes and purpose of embedded systems(K5-Evaluting)
C324.2	Discuss about the core of the embedded systems and categorize the types of memories and memory selection sensors and actuators and communication interfaces (K6-Create)
C324.3	Apply the various embedded systems hardware circuits and embedded firmware design approaches and Development languages (K3-Apply)
C324.4	Discuss the basics of Operating systems and RTOS and explain multitasking and multiprocessing. (K6-Create)
C324.5	Select the task communication via shared memory Message Passing, Remote Procedure Call and Sockets and explain the Device Drivers (K5-Evaluting)
C324.6	Predict the Task Communication/Synchronization Issues and Techniques, and choose an RTOS. (K5-Evaluating)

Course Code & Name::(R18ECE3273) CONSUMER ELECTRONICS(325)

Upon the completion of the course, Students will be able to:

Course Name	Course outcomes
C325.1	Make use of consumer electronics fundamentals and explain about microprocessors and microcontrollers, energy management and intelligent building perspective (K3- Apply)
C325.2	Categorize the Audio systems, Display systems, video systems and recording systems (K4-Analyse)
C325.3	Explain the smart Home, Home Virtual Assistants, Home security systems and Different types of sensors (K5-Evaluate)
C325.4	Perceive the home enablement systems like RFID Home, kitchen electronics and smart alarms, smart toilet, smart floor and smart locks. (K5-Evaluate)
C325.5	Discuss cordless telephones, Fax machines PDA's TABLETs Smart phones and Smart watches.(K6-Create)
C325.6	Compare and explain Android and iOS and demonstrate Video conferencing systems,Internet enabled systems, Wi-Fi, Li-Fi, GPS and Tracking systems. (K5-Evaluate)

Course Code & Name: :(R18ECE32L1) DIGITAL SIGNAL PROCESSING LAB(326)

Upon the completion of the course, Students will be able to:

Course Name	Course outcomes
C326.1	Determine the sinusoidal waveforms on recursive difference equation and through filtering and DTMF signals. (K5-Evlauting)
C326.2	Intrepret the characteristic of FFT of a given sequence for LP FIR,HP FIR,LP IIR,HP IIR filters.(K5-Evlauting)
C326.3	Calculate the DFT/IDFT of given DT signal and show the frequency response of given system.Impulse response of first order and second order systems. (K3-Apply)

C326.4	Determine the power spectrum of a given sequence. (K5-Evaluting)
C326.5	Inspect Decimation, Interpolation and I/D sampling rate converters. (K4- Analyse)
C326.6	Experiment with the audio application and noise removal. (K3-Apply)

Course Code & Name: R16ECE1207&MICROPROCESSORS AND MICROCONTROLLERS LAB (C327)	
Upon the completion of the course, Students will be able to:	
Course Name	Course outcomes
C327.1	Develop the programs for 16-bit arithmetic operation, sorting, searching, string manipulations on 8086 microprocessor. (K3-apply)
C327.2	Design and develop program for digital clock, parallel communication using 8255 and serial communication using 8251. (K6-Creating)
C327.3	Develop program for interfacing ADC, DAC and stepper motor to 8086. (K6-Creating)
C327.4	Develop the programs for arithmetic, logical and bit manipulation instructions of 8051 and verify Timer/counter, interrupt handling in 8051 microcontroller. (K3-apply)
C327.5	Develop program for interfacing of LCD and Matrix/keyboard to 8051 and communication between 8051 kit and PC. (K6-Creating)
C327.6	Develop the program for UART and data transfer program from peripheral to memory through DMA controller 8237/8257. (K6-Creating)

Course Code & Name:(R18ECE32L2) E-CAD LAB(328)	
Upon the completion of the course, Students will be able to:	
Course Name	Course outcomes
C328.1	Identify the Verilog hardware description languages (HDL) (K3-Appplying).
C328.2	Design various logic gates using HDL. (K6-Create)
C328.3	Make use of the concepts of Boolean algebra for the analysis &design of various combinational logic circuits. (K3-Apply)
C328.4	Make use of the concepts of Boolean algebra for the analysis &design of various sequential logic circuits. (K3-Apply)
C328.5	Design Entry, simulation of flip-flop circuits with test bench & functional verification. (K6- Create)
C328.6	Evaluate the Finite state machine (K5-Evaluating).

COURSE OUTCOMES
IV YEAR ECE SEMESTER - I (REGULATION – R16)
ACADEMIC YEAR: 2020-21

Course Code & Name: (R18ECE4101) MICROWAVE AND OPTICAL COMMUNICATION(411)	
Upon completion of the course, students will be able to:	
Course Code	Course outcomes
C411 [1]	Analyze the (microwave active devices) various Microwave solid state devices, Bipolar transistors, FET, & microwave tubes. (K4- ANALYZE)
C411 [2]	Identify the (microwave active devices) waveguide multiport junctions, ferrite devices. (K3- APPLY)
C411 [3]	Measure the scattering matrix and microwave parameters using Microwave Bench setup (K5- EVALUATE)
C411 [4]	Describe the constructional parameters of optical fibers and calculate the losses. (K3-Apply)
C411 [5]	Explain the optical sources and choose the optical detectors. (K4-Analyse)
C411 [6]	Evaluate optical system, power budget analysis and networking. (K5-Evaluate)

Course Code & Name: :(R18HAS4101) PROFESSIONAL PRACTICE, LAW & ETHICS(412)	
Upon completion of the course, students will be able to:	
Course Code	Course outcomes
C412 [1]	Justify the use of Professional, Personal Business and Engineering Ethics governing their profession(K5-Evaluating)
C412 [2]	Examine the laws relating to contracts management, Dispute Resolution Mechanisms(K4-Analyzing)
C412 [3]	Importance of IPR like patents,trademarks,copymarks and designs(K5-Evaluating)

C412 [4]	Creating value to the society as practitioner of Engineering Profession(K6-Creating)
C412 [5]	Assess the ideas of the legal aspects of their profession (K5-Evaluating)
C412[6]	Identify the role of narious stakeholders in professional practice(K3-Applying)

Course Code & Name: R18ECE4131) DIGITAL IMAGE PROCESSING (413)

Upon the completion of the course, students will be able to:

Course Code	Course outcomes
C413 [1]	Identify the basics of images and analyse the various advanced image transforms and Properties. (K3-Apply).
C413 [2]	Discuss different techniques employed for the enhancement (spatial and frequency domain and restoration of images. (K6-Create).
C413 [3]	Determine degradation model and calculate various restoration techniques. (K5-Evaluting).
C413 [4]	Analyze the concepts of segmentation and various basic morphological operations in im processing. (K4-Analyse).
C413[5]	Determine the various compression techniques and explain redundancies and their rem methods. (K5-Evaluting).
C413[6]	Evaluate various compression coding techniques and compare JPEG standards. (K5-Evaluate)

Course Code & Name: (R18ECE4141) CELLULAR & MOBILE COMMUNICATIONS (414)

Upon Completion of the course, the students will be able to:

Course Code	Course outcomes
C414 [1]	Analyse the fundamental techniques to overcome the difficult fading effects(K4-Analyse)
C414 [2]	Interpret the cellular concepts /Frequency reuse (K5 –Evaluating)
C414 [3]	Identify the co-channel and non co channel interferences (K3-Applying)
C414 [4]	Interpret the cell coverage for signal and traffic, diversity techniques and mobile antennas (K5-Evlauting)
C414 [5]	Interpret the frequency management and channel assignment (K5-Evlauting)
C414 [6]	Explain the types of handoff and handoff's strategies (K5-Evaulating)

Course Code & Name: (R18ECE4183) PRINCIPLES OF MODERN COMMUNICATION SYSTEMS (415)

Upon Completion of the course, the students will be able to:

Course Code	Course outcomes
C415 [1]	Distinguish between the various elements, processes, and parameters in communication systems, and describe their functions, effects, and interrelationship (K4-Analysing).
C415 [2]	Interpret the mobile cellular concepts, standards and all generations of cellular systems. (K5- Evaluating)
C415 [3]	Explain the existing and emerging wireless standards and Compare various wireless networks and their specifications. (K5-Evaluate)
C415 [4]	Identify the history of Satellite communication, applications and orbit concepts, Placement of a Satellite in a Geo-Stationary orbit and GPS concept (K3- Apply)
C415 [5]	Interpret the radar fundamentals and analysis of the radar signals. (K5- Evaluitng)
C415 [6]	Explain the Navigation systems (K5-Evaluting).

Course Code & Name:(R18ECE41L1) MICROWAVE ENGINEERING AND OC LAB (416)

Upon Completion of the course, the students will be able to:

Course Code	Course outcomes
C416 [1]	Analyze the characteristic of microwave tubes and compare them (K4- Analyze)
C416 [2]	Explain the various Microwave solid state devices. (K5-Evlauting)

C416 [3]	Measure the scattering matrix and microwave parameters using Microwave Bench setup (K5- Evaluate)
C416 [4]	Determine the power dividing properties of various Microwave junctions, directional couplers & ferrite devices.(K5-Evlauting)
C416 [5]	Analyze the optical sources like LED and LASER diode (K4-Analyze)
C416 [6]	Determine the Data rate for Digital Optical Link, NA and losses in Analog Optical Link. (K5-Evaluting)

COURSE OUTCOMES
IV YEAR ECE SEMESTER - II (REGULATION – R18)
ACADEMIC YEAR: 2021-22

Course Code & Name: R18ECE4251) SATELLITE COMMUNICATIONS (C421)	
Upon the completion of the course, Students will be able to:	
Course Code	Course outcomes
C421 [1]	Identify the history, frequency allocations, applications and orbit concepts and Placement of a Satellite in a Geo-Stationary orbit (K3- Applying)
C421 [2]	Discuss about satellite Subsystems like Attitude and Orbit Control system, Telemetry, Tracking, Command Satellite Antenna Equipment.(K6-Create)
C421 [3]	Apply the system Noise Temperature and G/T ratio, Link and Interference Analysis, and design of satellite Links for a specified C/N, Link Budget .(K3-Apply)
C421 [4]	Explain the different attenuations and classify the multiple access systems (K5 -Evaluating)
C421 [5]	Intrepret the earth station technology, Power Test Methods, Lower Orbit Considerations.Navigation and GPS (K5-Evaluting)
C421 [6]	Compare the different satellite packet communications (K5-Evaluating)

Course Code & Name: (R18ECE4261) WIRELESS COMMUNICATION & NETWORKS (C422)	
Upon the completion of the course, Students will be able to:	
Course Code	Course outcomes
C422 [1]	Explain the cellular concepts and all design fundamentals. (K5-Evaluating)
C422 [2]	Discuss about the Radio wave propagation indoor and outdoor propagation models. (K6-Create)
C422 [3]	Intrepret the small scale fading and multipath measurements. (K5-Evaluating)
C422 [4]	Analyze the various Equalization & Diversity techniques used in wireless communication.(K4- Analyze)
C422 [5]	Discuss about some of the existing and emerging wireless standards. (K6-Create)
C422 [6]	Compare various wireless area networks and their specifications. (K5-Evaluate)

Course Code & Name: (R18ECE4293) AUDIO & VIDEO ENGINEERING(423)

Upon the completion of the course, Students will be able to:

Course Name	Course outcomes
C423 [1]	Compare the different amplifiers, and explain the graphic equalizer and Dolby NR recording systems (K4-analazing)
C423 [2]	Interpret the TV fundamentals like concept of aspect ratio, image continuity etc Color theory(K5-Evaluating)
C423 [3]	Discuss about composite video signal ad CCIR B standard for color signal Transmission and reception (K6-Create)
C423 [4]	Discuss monochrome TV transmitter and receivers, Color TV transmitter and compare TV camera tubes, Color picture tube (K6-Create)
C423 [5]	Identify the color TV receivers (PAL-D) and Distinguish between NTSC PAL and SCAM systems (K4-Analyse)
C423 [6]	Explain about cable Television, MATV, CATV, CCTV, Cable TV network and DTH (K5-Evaluating)

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COURSE OUTCOMES
I YEAR ECE SEMESTER - I (REGULATION – R18)
ACADEMIC YEAR: 2019- 2023

COURSE NAME & CODE: (R18MTH1101) MATHEMATICS–I
Upon the completion of the course, Students will be able to:

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C111.1	2	3	3	1	-	-	-	-	-	-	-	2	2	2	2
C111.2	3	2	2	1	-	-	-	-	-	-	-	1	3	2	3
C111.3	1	3	3	2	-	-	-	-	-	-	-	1	2	2	1
C111.4	3	2	1	1	-	-	-	-	-	-	-	1	3	2	3
C111.5	1	2	2	3	-	-	-	-	-	-	-	2	2	2	1
C111.6	3	2	2	2	-	-	-	-	-	-	-	1	3	2	3
C111	**2.17**	**2.33**	**2.17**	**1.67**								**1.33**	**2.5**	**2**	**2.17**

COURSE NAME & CODE: (R18EAP1101) APPLIED PHYSICS (112)
Upon the completion of the course, Students will be able to:

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C112.1	3	1	1	1	1	-	2	-	-	-	-	1	1	2	3
C112.2	2	2	2	1	2	-	2	-	-	-	-	2	1	2	1
C112.3	1	3	3	3	1	-	2	-	-	-	-	2	1	2	1
C112.4	1	3	3	3	1	-	2	-	-	-	-	2	1	1	-
C112.5	1	1	2	1	2	-	2	-	-	-	-	1	1	1	1
C112.6	1	2	2	2	2	-	2	-	-	-	-	1	1	3	1
C112	**1.5**	**2**	**2.1**	**1.8**	**1.5**	**-**	**2**	**-**	**-**	**-**	**-**	**1.5**	**1**	**1.8**	**1.4**

COURSE NAME & CODE: (R18CSE1101) PROGRAMMING FOR PROBLEM SOLVING (113)
Upon the completion of the course, Students will be able to:

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C113.1	2	2	2	-	3	-	-	-	1	-	-	-	1	2	-
C113.2	1	2	2	-	3	-	-	-	-	-	-	-	1	1	-
C113.3	1	2	2	1	3	-	-	-	1	-	-	-	-	1	-
C113.4	1	2	2	1	3	-	-	-	1	-	-	-	1	1	-
C113.5	1	2	2	1	3	-	-	-	-	-	-	-	-	-	-
C113.6	1	2	2	1	3	-	-	-	-	-	-	-	-	-	-
C113	1.16	2	2	1	3	-	-	-	1	-	-	-	1	1.25	-

COURSE NAME & CODE: (R18MED1102) ENGINEERING GRAPHICS (114)
Upon the completion of the course, Students will be able to:

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C114.1	3	2	3	-	3	-	-	-	-	-	-	3	3	3	2
C114.2	3	2	3	-	3	-	-	-	-	-	-	3	3	3	2
C114.3	3	2	3	-	3	-	-	-	-	-	-	3	3	3	2
C114.4	3	2	3	-	3	-	-	-	-	-	-	3	3	3	2
C114.5	3	2	3	-	3	-	-	-	-	-	-	3	3	3	2
C114.6	3	2	3	-	3	-	-	-	-	-	-	3	3	3	2
C114	3	2	3		3							3	3	3	2

COURSE NAME & CODE: (R18EAP12L1) APPLIED PHYSICS LAB (115)
Upon the completion of the course, Students will be able to:

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C115.1	3	2	2	3	3	-	1	-	-	-	-	2	2	1	-
C115.2	3	3	2	2	3	-	-	-	-	-	-	2	2	1	-
C115.3	3	2	2	3	3	-	3	-	-	-	-	2	2	2	-
C115.4	3	3	3	3	3	-	-	-	-	-	-	2	2	2	-
C115.5	3	2	2	3	3	-	1	-	-	-	-	2	2	2	-
C115.6	3	3	2	3	3	-	2	-	-	-	-	2	2	1	-
C115	**3**	**2.5**	**2.1**	**2.8**	**3**	**-**	**1.1**	**-**	**-**	**-**	**-**	**2**	**2**	**1.5**	**-**

COURSE NAME & CODE: (R18CSE12L1) PROGRAMMING FOR PROBLEM SOLVING LAB (116)
Upon the completion of the course, Students will be able to:

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C116.1	2.0	2	2	-	3	-	-	-	1	-	-	-	1	2	-
C116.2	1.0	2	2	-	3	-	-	-	-	-	-	-	1	1	-

C116.3	1.0	2	2	1	3	-	-	-	1	-	-	-	-	1	-
C116.4	1.0	2	2	1	3	-	-	-	1	-	-	-	1	1	-
C116.5	1.0	2	2	1	3	-	-	-	-	-	-	-	-	-	-
C116.6	1.0	2	2	1	3	-	-	-	-	-	-	-	-	-	-
C116	1.2	2.0	2.0	1.0	3.0	-	-	-	1.0	-	-	-	1.0	1.3	-

COURSE OUTCOMES
I YEAR ECE SEMESTER - II (REGULATION – R18)
ACADEMIC YEAR: 2018 – 2019

Course Code & Name: R18MTH1102 – Mathematics - II(ADVANCEDCALCULUS)(121)
Upon the completion of the course, Students will be able to:

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C121 .1	3	2	2	2	3	1	-	-	-	-	1	2	3	2	3
C121 .2	2	3	3	2	-	1	-	-	-	-	1	2	2	2	2
C121 .3	2	2	1	3	3	1	-	-	-	-	1	2	2	1	1
C121.4	3	2	2	2	3	2	-	-	-	-	1	2	3	2	3
C121.5	3	1	1	1	3	1	-	-	-	-	-	2	3	1	3
C121 .6	2	2	1	3	3	2	-	-	-	-	1	2	2	2	2
C121	**2.5**	**2**	**1.67**	**2.17**	**3**	**1.33**					**0.83**	**2**	**2.5**	**1.67**	**2.33**

COURSE NAME & CODE: (R18ECH1101) CHEMISTRY(122)
Upon the completion of the course, Students will be able to:

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C122.1	3	2	2	-	-	-	1	-	-	-	-	-	1	-	-
C122.2	2	2	3	-	-	-	2	-	-	-	-	-	2	2	-
C122.3	2	3	2	-	-	-	2	-	-	-	-	-	2	2	-
C122.4	2	2	2	-	-	-	2	-	-	-	-	-	1	1	-
C122.5	2	1	2	-	-	-	2	-	-	-	-	-	1	1	-
C122.6	2	2	2	-	-	-	3	-	-	-	-	-	2	2	-
C122	**2.1**	**2**	**2.1**	-	-	-	**2**	-	-	-	-	-	**1.5**	**1.6**	-

COURSE NAME & CODE: (R18EEE1101) BASIC ELECTRICAL ENGINEERING (113)
Upon the completion of the course, Students will be able to:

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C123.1	3	2	2	2	-	1	2	-	2	1	-	2	2	2	3
C113.2		3	1	1	-	2	1	2	-	2	-	1	3	2	2
C113.3	2		2		1	2	2	-	1	1	2	3	2	3	2
C113.4	2	2			2	2	2	2	3	2	3	3	2	2	2
C113.5	3	3		2	3	1	2	1	2	2	3	2	2	3	3
C113.6	3		3	3	2	3	3	3	3	3	2	3	3	2	3
C113	2.6	2.5	2	2	2	1.8	2	2	2.2	1.8	2.5	2.3	2.3	2.3	2.5

COURSE NAME & CODE: (R18MED1101) ENGINEERING WORKSHOP (101)
Upon the completion of the course, Students will be able to:

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C101 [1]	3	2	1	-	2		-	1	-	-	-	-	3	-	3
C101 [2]	3	1	-	-	-	-	-	-	-	-	-	-	3	-	3
C101 [3]	3	2	2	1	1	-	-	1	-	-	2	-	3	-	3
C101 [4]	3	1	-	1	1	-	-	2	-	-	-	-	3	-	3
C101 [5]	3	1	1	1	1	-	-	1	-	-	2	-	3	-	3
C101 [6]	3	1	-	-	1	-	-	1	-	-	-	-	3	-	3
C101	3	1.3	1.3	1	1.3			1.2			2		3		3

COURSE NAME & CODE: (R18HAS1101) ENGLISH(115)
Upon the completion of the course, Students will be able to:

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C115.1	-	-	2	-	3	2	-	-	-	3	-	3	-	-	-
C115.2	-	-	-	3	3	3	3	3	3	2	-	3	-	-	-
C115.3	-	-	3	-	3	3	-	-	-	3	-	2	-	-	-
C115.4	-	-	3	3	-	3	3	3	3	2	-	3	-	-	-
C115.5	-	-	3	-	3	-	3	-	-	2	-	2	-	-	-
C115.6	-	-	-	3	3	3	-	3	3	2	-	3	-	-	-
C115	-	-	**2.8**	**3**	**3**	**2.8**	**3**	**3**	**3**	**2.3**	-	**2.7**	-	-	-

COURSE NAME & CODE: (R18ECH12L1) ENGINEERING CHEMISTRY LAB
Upon the completion of the course, Students will be able to:

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C126.1	3	2	-	-	-	2	2	-	2	-	-	2	2	3	-
C126.2	2	3	-	-	-	2	2	-	2	-	-	2	1	2	-
C126.3	2	2	-	-	-	1	3	-	2	-	-	2	2	2	-
C126.4	2	2	-	-	-	2	2	-	2	-	-	1	2	1	-
C126.5	2	2	-	-	-	2	2	-	2	-	-	2	2	1	-

C126.6	2	2	-	-	-	1	2	-	2	-	-	1	2	1	-
C126	**2.1**	**2.1**	**-**	**-**	**-**	1.6	**2.1**	-	2	-	-	**1.6**	**1.8**	**1.6**	-

COURSE NAME & CODE: (R18HAS12L1) ENGLISHLANGUAGEANDCOMMUNICATIONSKILLS LAB(117)

Upon the completion of the course, Students will be able to:

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C117.1	--	2	--	--	--	--	--	--	--	2	--	3	--	2	--
C117.2	--	--	--	--	--	--	--	--	2	3	2	2	--	2	--
C117.3	2	2	2	--	--	2	2	2	2	3	2	3	2	2	2
C117.4	--	2	2	2	--	2	2	2	3	3	2	3	--	2	2
C117.5	--	--	--	2	--	2	--	--	--	3	2	3	--	2	2
C117.6	--	2	--	--	--	--	--	--	--	2	--	3	--	2	--
C117	**2**	**2**	**2**	**2**	**--**	**2**	**2**	**2**	**2.3**	**2.8**	**2**	**2.8**	**2**	**2**	**2**

COURSE NAME & CODE: (R18EEE12L2) BASIC ELECTRICAL ENGINEERING LAB(118):

Upon the completion of the course, Students will be able to:

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C118.1	3	2	-	-	-	2	2	-	2	-	-	2	2	3	-
C118.2	3	2	-	-	-	2	2	-	2	-	-	2	2	3	-
C118.3	2	3	-	-	-	3	3	-	2	-	-	3	3	3	-
C118.4	3	2	-	-	-	2	2	-	2	-	-	2	2	3	-
C118.5	3	2	-	-	-	2	2	-	2	-	-	2	2	3	-
C118.6	2	2	-	-	-	3	3	-	3	-	-	3	3	2	-
C118	2.6	2.1	-	-	-	2.3	2.3	-	2.1	-	-	2.1	2.1	2.8	-

COURSE OUTCOMES

II YEAR ECE SEMESTER - I (REGULATION – R18)

ACADEMIC YEAR: 2019 – 2020

Course Name & Code: (R18ECE2101) ELECTRONIC DEVICES AND CIRCUITS(211)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C211.1	3	2	1	-	1	-	-	-	-	-	-	-	2	-	2
C211.2	2	1	-	-	2	-	1	-	-	-	-	-	3	1	-
C211.3	3	1	-	-	2	-	-	-	1	-	-	-	3	1	-
C211.4	-	-	2	1	3	-	-	-	-	1	-	-	-	-	1
C211.5	2	1	-	3	2	-	-	-	-	-	-	-	-	3	2
C211.6	1	3	-	-	2	-	-	1	1	-	-	-	1	-	1
C215	**2.2**	**1.6**	**1.5**	**2**	**2**	-	**1**	**1**	**1**	**1**	-	-	**2.3**	**1.7**	**1.5**

Course Code & Name:(R18EEE2107) NETWORK THEORY (212)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO11	PO12	PSO1	PSO2	PSO3
C212.1	2	1	-	1	2	-	-	-	-	-	-	-	-	-	2
C212.2	2	2	1	1	2	-	1	-	-	-	-	-	-	-	1
C212.3	1	3	1	2	1	-	1	-	-	-	-	-	-	-	-
C212.4	1	2	-	1	1	-	-	-	-	-	-	-	-	-	2
C212.5	1	2	-	1	-	-	1	-	-	-	-	-	-	-	2
C212.6	2	2	1	-	1	-	-	-	-	-	-	-	-	-	1
C212	**1.5**	**2**	**1**	**1.2**	**1.4**	-	**1**	-	-	-	-	-	-	-	**1.6**

Course Code & Name: (R18ECE2102) DIGITAL LOGIC DESIGN (213)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C213.1	2	2	1	2	2	-	-	-	-	-	-	2	3	-	2
C213.2	2	2	3	2	2	-	1	-	1	-	-	-	2	3	-
C213.3	3	2	-	1	2	1	-	-	-	-	-	1	2	-	-
C213.4	2	2	3	1	1	-	-	-	-	-	-	1	2	-	2
C213.5	2	-	-	-	1	-	-	-	-	-	-	1	1	-	1
C213.6	1	-	2	2	3	-	-	-	-	-	-	1	2	2	1
C213	2	2	2.3	1.6	1.8	1	1	-	1	-	-	1.2	2	2.5	1.5

Course Code & Name: (R18ECE2103) SIGNALS AND SYSTEMS (214)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C214.1	-	3	-	1	2	-	-	-	-	-	-	-	-	1	2
C214.2	3	1	-	-	2	-	-	-	-	-	-	-	3	-	-
C214.3	2	1	-	-	3	-	-	1	1	-	-	-	2	-	1
C214.4	-	-	3	2	1	-	1	-	-	-	1	-	-	3	-
C214.5	3	2	-	-	1	-	-	-	-	-	-	-	1	-	-
C214.6	-	3	-	1	2	-	-	1	1	-	-	-	-	1	2
C214	2.7	2	3	1.3	1.8	-	1	1	1	-	1	-	2	1.7	1.7

Course Code & Name: (R18ECE2104) PROBABILITY THEORY AND STOCHASTIC PROCESSES (215)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C215.1	3	2	-	-	1	-	1	-	-	-	-	-	3	-	1
C215.2	1	3	-	-	2	1	-	-	-	-	-	-	1	1	2

C215.3	-	2	1	1	-	-	1	1	-	-	-	-	1	1	2
C215.4	-	2	-	1	2	-	-	-	1	-	-	-	-	2	1
C215.5	2	1	-	-	3	-	1	-	-	-	-	-	3	-	-
C215.6	3	1	-	-	1	1	-	1	-	1	-	-	3	1	-
C215	**2.3**	**1.8**	**1**	**1**	**1.8**	**1**	**1**	**1**	**1**	**1**	-	-	**2.2**	**1.3**	**1.5**

Course Code & Name: (R18ECE21L1) ELECTRONIC DEVICES AND CIRCUITS LAB.(216)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C216.1	2	2	-	-	3	1	1	1	1	1	-	-	3	1	-
C216.2	3	1	-	-	2	1	1	1	1	1	-	-	3	-	-
C216.3	-	-	1	2	3	1	1	1	1	1	-	-	-	1	3
C216.4	1	3	-	-	2	1	1	1	1	1	-	-	1	-	2
C216.5	-	2	-	1	1	1	1	1	1	1	-	-	1	-	2
C216.6	1	3	1	-	1	1	1	1	1	1	-	-	-	1	3
C216	1.8	2.2	1	1.5	2	1	1	1	1	1	-	-	2	1	2.5

Course Code & Name: (R18ECE21L2) DIGITAL LOGIC DESIGN LAB (217)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C217.1	2	1	-	1	2	-	1	-	1	-	-	-	3	1	-
C217.2	2	1	2	-	2	-	-	1	2	-	-	1	2	1	1
C217.3	2	1	2	-	2	-	-	1	2	-	-	1	2	1	1
C217.4	3	-	1	2	1	-	1	-	-	1	-	-	2	1	-
C217.5	-	-	2	-	3	-	-	1	1	-	-	1	1	2	1
C217.6	1	-	2	3	2	-	1	-	1	-	-	-	1	2	-
C217	2	1	1.8	2	2	-	1	1	1.4	1	-	1	1.8	1.3	1

Course Code & Name: (R18ECE21L3) BASIC SIMULATION LAB (218)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C218.1	-	2	-	1	3	1	1	1	1	1	-	-	1	1	3
C218.2	3	1	-	-	2	1	1	1	1	1	-	-	3	1	-
C218.3	2	3	-	-	1	1	1	1	1	1	-	-	3	-	-
C218.4	-	-	3	2	1	1	1	1	1	1	-	-	-	3	-
C218.5	1	3	-	1	2	1	1	1	1	1	-	-	1	1	3
C218.6	-	1	2	-	1	1	1	1	1	1	-	-	2	-	1
C218	**2**	**2**	**2.5**	**1.3**	**1.7**	**1**	**1**	**1**	**1**	**1**	-	-	**2**	**1.5**	**2.3**

Course Code & Name: (R18MAC2100) GENDER SENSITIZATION LAB (219)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C219.1	-	-	-	-	-	2	-	2	1	-	-	-	-	-	-
C219.2	-	-	-	-	-	2	2	1	-	2	-	-	-	-	-
C219.3	-	-	-	-	-	1	-	2	-	1	-	-	-	-	-
C219.4	-	-	-	-	-	2	1	-	-	2	-	-	-	-	-
C219.5	-	-	-	-	-	2	-	2	2	-	-	-	-	-	-
C219.6	-	-	-	-	-	-	-	2	2	2	-	-	-	-	-
C219	-	-	-	-	-	1.8	1.5	1.8	1.7	1.8	-	-	-	-	-

COURSE OUTCOMES
II YEAR ECE SEMESTER - II (REGULATION – R18)
ACADEMIC YEAR: 2019 – 2020

Course Code & Name: (R18MTH2201) LAPLACE TRANSFORMS, NUMERICAL METHODS & COMPLEX

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C221.1	2	2	-	2	2	-	-	-	-	-	-	1	-	-	-
C221.2	2	2	2	1	1	-	-	-	-	-	-	-	-	-	-
C221.3	3	2	-	1	2	-	-	-	-	-	-	1	-	-	-
C221.4	2	3	2	-	2	-	-	-	-	-	-	-	-	-	-
C221.5	2	3	-	2	2	-	-	-	-	-	-	1	-	-	-
C221.6	2	-	-	1	1	-	-	-	-	-	-	-	-	-	-
C221	2.2	2.4	2	1.4	1.7	-	-	-	-	-	-	1	-	-	-

Course Code & Name: (R18ECE2201) ELECTROMAGNETIC THEORY AND TRANSMISSION LINES (222)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C222.1	1	3	-	-	1	-	1	-	1	-	-	-	2	-	1
C222.2	3	1	-	-	2	-	-	-	-	-	-	-	1	-	-
C222.3	1	3	-	-	-	1	-	1	-	-	-	-	-	-	3
C222.4	2	-	1	-	3	-	-	-	-	-	-	-	3	-	-
C222.5	-	2	-	1	-	-	1	-	1	-	-	-	-	2	-
C222.6	-	-	2	1	3	-	-	-	-	1	-	-	-	1	2
C222	**1.8**	**2.3**	**1.5**	**1**	**2.3**	**1**	**1**	**1**	**1**	**1**	-	-	**2**	**1.5**	**2**

Course Code & Name: (R18ECE2202) ANALOG AND DIGITAL COMMUNICATIONS(223)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C223.1	2	2	-	1	2	-	-	-	-	-	-	-	-	-	1
C223.2	2	3	-	-	2	-	1	-	-	-	-	-	-	-	2
C223.3	1	3	-	2	1	-	-	-	-	-	-	-	1	-	2
C223.4	1	2	-	1	2	-	-	-	-	-	-	-	-	-	-
C223.5	2	2	-	1	2	-	1	-	-	-	-	-	2	-	1
C223.6	1	1	-	-	2	-	-	-	-	-	-	-	-	-	1
C223	**1.5**	**2.2**	-	**1.3**	**1.8**	-	**1**	-	-	-	-	-	**1.5**	-	**1.4**

Course Code & Name:(R18ECE2203) LINEAR AND DIGITAL IC APPLICATIONS(224)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C224.1	-	3	-	-	2	-	-	-	-	-	-	-	-	-	**2**
C224.2	3	-	-	-	1	-	-	-	-	-	-	**1**	2	-	-
C224.3	-	-	3	-	-	-	-	**1**	**1**	-	-	-	-	2	-
C224.4	-	-	1	2	-	-	-	-	-	**1**	-	-	-	-	**1**
C224.5	1	3	-	-	-	-	-	-	-	-	**1**	-	-	-	-
C224.6	-	-	-	-	3	-	-	**1**	**1**	-	-	**1**	-	1	-
C224	**2**	**3**	**2**	**2**	**2**	-	-	**1**	**1**	**1**	**1**	**1**	**2**	**1.5**	**1.5**

Course Code & Name: (R18ECE2204) ELECTRONIC CIRCUIT ANALYSIS(225)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C225.1	-	3	-	1	1	-	-	-	-	-	-	-	1	-	2
C225.2	1	2	-	-	1	-	-	1	1	-	1	-	-	2	-
C225.3	-	1	1	3	-	-	-	-	-	1	-	1	1	-	-
C225.4	-	-	2	1	2	-	-	-	-	-	-	-	-	2	1
C225.5	3	2	-	-	1	-	-	-	-	-	1	-	3	-	-
C225.6	-	-	3	2	1	-	-	1	1	-	-	-	-	2	1
C222	**2**	**2**	**2**	**1.8**	**1.2**	-	-	**1**	**1**	**1**	**1**	**1**	**1.7**	**2**	**1.3**

Course Code & Name: (R18ECE22L1) ANALOG AND DIGITAL COMMUNICATIONS LAB (226)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C226.1	2	2	1	1	2	-	-	-	2	1	-	-	-	-	1
C226.2	1	2	2	2	1	-	-	-	2	2	-	-	1	-	1
C226.3	2	3	1	1	2	-	-	1	1	-	-	-	1	2	-
C226.4	2	-	1	-	1	-	-	-	-	1	-	-	2	-	1
C226.5	2	1	-	-	2	-	-	-	2	1	-	-	1	-	2
C226.6	2	3	1	-	1	-	-	-	1	-	-	-	1	-	-
C226	**1.8**	**2.2**	**1.2**	**1.3**	**1.5**	-	-	**1**	**1.6**	**1.3**	-	-	**1.2**	**2**	**1.3**

Course Code & Name: (R18ECE22L2) IC APPLICATIONS LAB (227)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C227.1	2	1	1	2	1	-	-	1	1	1	-	-	2	1	2
C227.2	2	1	-	1	2	-	1	-	2	1	-	-	1	-	-
C227.3	1	2	1	2	1	-	-	1	-	1	-	-	1	-	2
C227.4	2	-	-	1	2	-	1	-	1	-	-	-	-	1	-
C227.5	2	1	1	2	1	-	1	1	2	-	-	-	2	1	2
C227.6	1	-	-	1	2	-	-	-	-	1	-	-	-	1	-
C227	**1.7**	**1.3**	**1**	**1.5**	**1.5**	-	**1**	**1**	**1.5**	**1**	-	-	**1.5**	**1**	**2**

Course Code & Name:(R18ECE22L3) ELECTRONIC CIRCUIT ANALYSIS LAB(228)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C228.1	2	2	1	-	1	-	-	1	1	1	-	-	2	-	1
C228.2	2	2	1	-	1	-	1	-	2	1	-	-	2	-	1
C228.3	1	1	-	2	2	-	-	1	-	1	-	-	1	-	-
C228.4	1	2	1	1	1	-	1	-	1	-	-	-	1	-	1
C228.5	2	2	-	-	1	-	1	1	2	-	-	-	2	-	1
C228.6	1	1	1	-	2	-	-	-	-	1	-	-	1	-	-
C228	**1.5**	**1.7**	**1**	**1.5**	**1.3**	-	**1**	**1**	**1.5**	**1**	-	-	**1.5**	-	**1**

COURSE OUTCOMES
III YEAR ECE SEMESTER - I (REGULATION – R18)
ACADEMIC YEAR: 2020-2021

Course Code & Name: (R18MBA2201) BUSINESS ECONOMICS & FINANCIAL ANALYSIS(311)

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C311.1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
C311.2	-	-	-	-	-	-	-	1	1	-	-	1	-	1	-
C311.3	-	-	1	-	1	-	1	-	-	1	2	-	-	-	-
C311.4	-	-	-	-	-	-	-	-	-	1	2	-	-	-	1
C311.5	-	1	-	-	1	-	1	1	1	-	2	1	-	1	-
C311.6	-	-	-	-	2	-	-	-	-	-	-	1	1	-	-

C311	**-**	**1**	**1**	**-**	**1.3**	**-**	**1**	**1**	**1**	**1**	**2**	**1**	**1**	**1**	**1**

Course Code & Name: (R18ECE3101) MICROPROCESSORS AND MICROCONTROLLERS (C312)

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C312.1	1	3	1	-	-	-	-	-	-	-	-	-	-	-	2
C312.2	3	-	-	1	1	1	-	-	-	-	1	1	3	-	-
C312.3	-	2	-	-	-	-	-	1	1	-	-	-	-	1	-
C312.4	-	-	3	2	1	-	-	-	-	1	-	-	1	1	3
C312.5	-	-	1	1	2	-	-	-	-	-	-	-	-	-	1
C312.6	1	1	-	-	-	1	-	1	1	-	1	1	1	-	-
C312	**1.7**	**2**	**1.7**	**1.3**	**1.3**	**1**	**-**	**1**	**1**	**1**	**1**	**1**	**1.7**	**1**	**2**

Course Code & Name:(R18INF3103) DATA COMMUNICATIONS AND NETWORKS(313)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO11	PO12	PSO1	PSO2	PSO3
C313.1	3	-	-	-	1	-	-	-	-	-	-	-	3	-	3
C313.2	-	2	1	2	2	-	-	-	-	-	1	-	-	1	-
C313.3	2	2	2	-	-	-	-	1	1	-	-	-	2	-	1
C313.4	-	-	1	1	2	-	-	-	-	1	-	1	-	1	-
C313.5	-	1	1	2	2	-	-	-	-	-	-	-	-	1	-
C313.6	-	-	1	2	2	-	-	1	1	-	-	-	-	1	-
C313	**2.5**	**1.7**	**1.2**	**1.8**	**1.8**	**-**	**-**	**1**	**1**	**1**	**1**	**1**	**2.5**	**1**	**2**

Course Code & Name: (R18EEE2202) CONTROL SYSTEMS (314)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO 12	PSO1	PSO2	PSO3
C314.1	1	3	-	-	1	-	-	-	-	-	-	-	1	-	-
C314.2	3	-	-	-	1	-	-	-	-	-	-	-	3	-	-
C314.3	-	2	-	-	-	-	-	1	1	1	-	-	-	1	2
C314.4	2	1	1	-	-	1	-	-	-	-	-	-	-	1	-
C314.5	-	3	-	1	2	-	-	-	1	1	-	-	-	-	1
C314.6	1	2	-	-	3	-	-	1	1	1	-	-	1	-	3
C314	**1.8**	**2.2**	**1**	**1**	**1.8**	**1**	**-**	**1**	**1**	**1**	**-**	**-**	**1.7**	**1**	**2**

Course Code & Name:(R18CSE3114) COMPUTER ORGANIZATION AND OPERATING SYSTEMS (315)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO11	PO12	PSO1	PSO2	PSO3
C315.1	3	-	-	-	2	-	-	-	-	-	-	-	2	-	-
C315.2	-	-	2	3	1	-	1	-	-	-	-	-	-	-	1
C315.3	-	2	-	-	3	-	-	1	1	-	-	-	-	1	-
C315.4	1	1	-	2	1	-	-	-	-	-	-	-	-	1	-
C315.5	-	-	3	-	-	-	-	-	-	-	1	-	-	-	2
C315.6	1	1	-	-	3	-	-	1	1	-	-	-	-	2	-
C315	**1.7**	**1.3**	**2.5**	**2.5**	**2**	**-**	**1**	**1**	**1**	**-**	**1**	**-**	**2**	**1.3**	**1.5**

Course Code & Name:(R18ECE31L1) MICROPROCESSORS AND MICROCONTROLLERS LAB (316)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C316.1	3	1	-	-	2	-	-	-	-	-	-	-	3	-	2
C316.2	-	-	3	2	1	1	-	-	-	1	-	1	-	3	-
C316.3	-	-	1	3	-	1	-	1	1	-	-	-	1	-	1
C316.4	2	-	-	-	-	-	-	-	-	1	-	1	2	1	-
C316.5	-	1	2	1	1	-	-	1	1	-	-	-	-	-	2
C316.6	-	2	1	1	2	-	-	-	-	-	1	1	1	3	1
C316	**2.5**	**1.3**	**1.8**	**1.8**	**1.5**	**1**	**-**	**1**	**1**	**1**	**1**	**1**	**1.8**	**2.3**	**1.5**

Course Code & Name: (R18INF31L2) DATA COMMUNICATIONS AND NETWORKS LAB(317)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C317.1	3	-	-	-	1	1	-	1	1	-	-	-	3	-	2
C317.2	-	1	1	-	2	1	-	1	1	-	-	-	-	2	-
C317.3	2	3	2	-	1	1	-	1	1	-	-	-	2	-	1
C317.4	-	1	1	-	2	1	-	1	1	1	-	-	-	2	-
C317.5	3	-	-	-	1	1	-	1	1	-	-	-	3	-	2
C317.6	3	-	-	-	1	1	-	1	1	1	-	1	3	-	2
C317	**2.8**	**1.7**	**1.3**	**-**	**1.3**	**1**	**-**	**1**	**1**	**1**	**-**	**1**	**2.8**	**2**	**1.8**

Course Code & Name: (R18HAS31L1) ADVANCED COMMUNICATION SKILLS LAB(318)

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C318.1	-	-	-	-	1	-	-	-	1	2	-	1	-	-	1
C318.2	-	1	-	-	-	-	-	-	1	2	1	-	-	-	1
C318.3	-	-	-	-	2	-	-	1	1	2	1	1	-	-	1
C318.4	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1
C318.5	-	1	-	-	1	-	-	1	1	3	1	1	-	-	1

C318.6	-	-	-	-	2	-	-	-	1	3	1	1	-	-	1
C318	-	**1**	-	-	**1.7**	-	-	**1**	**1**	**2.2**	**1**	**1**	-	-	**1**

COURSE OUTCOMES
III YEAR ECE SEMESTER - II (REGULATION – R18)
ACADEMIC YEAR: 2020-2021

Course Code & Name: (R18ECE3201) ANTENNAS AND WAVE PROPAGATION

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C321.1	-	-	1	2	3	-	-	-	-	-	-	-	2	-	-
C321.2	1	3	-	-	-	-	-	-	-	-	-	1	-	-	-
C321.3	3	-	-	-	2	-	-	1	1	-	-	-	-	1	-
C321.4	-	3	-	-	-	-	-	-	-	1	-	-	1	1	-
C321.5	-	-	2	-	-	-	-	-	-	-	-	-	-	-	1
C321.6	-	-	1	3	2	-	-	1	1	-	-	1	-	-	2
C321	**2**	**3**	**1.3**	**2.5**	**2.3**	-	-	**1**	**1**	**1**	-	**1**	**1.5**	**1**	**1.5**

Course Code & Name: (R18ECE3202) DIGITAL SIGNAL PROCESSING (322)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C322.1	3	-	-	-	2	1	-	-	-	-	-	-	3	-	-
C322.2	1	3	-	-	1	-	-	-	-	1	-	1	-	2	-
C322.3	-	-	-	-	3	-	-	1	1	1	-	-	-	-	3
C322.4	-	-	3	2	-	1	-	-	-	-	1	1	2	-	-
C322.5	1	2	-	-	2	-	-	-	-	-	-	1	-	-	-
C322.6	-	1	1	3	1	-	-	1	1	1	-	-	-	1	3
C322	**1.7**	**2**	**2**	**2.5**	**1.8**	**1**	-	**1**	**1**	**1**	**1**	**1**	**2.5**	**1.5**	**3**

Course Code & Name: (R18ECE3203) VLSI DESIGN (323)

Course Outcome	PO1	PO 2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C323.1	-	1	-	3	2	-	-	-	-	-	-	-	1	-	3
C323.2	1	3	-	-	1	-	1	-	-	-	-	1	-	-	-
C323.3	3	-	-	-	1	1	-	1	1	-	1	-	3	-	-
C323.4	-	-	3	1	-	-	-	-	-	-	-	-	-	2	-
C323.5	1	-	2	3	1	-	-	-	-	-	1	1	-	2	-
C323.6	-	1	1	2	-	-	-	1	1	-	-	-	1	-	-
C323	**1.7**	**2**	**2**	**2**	**1**	**1**	**1**	**1**	**1**	-	**1**	**1**	**2**	**2**	-

Course Code & Name: (R18ECE3221) EMBEDDED SYSTEM DESIGN (324)

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C324.1	-	3.00	-	1	2	-	-	-	-	-	-	-	-	1	2
C324.2	2.00	-	1	-	2	-	-	1	-	2	-	-	2	-	-
C324.3	3.00	-	-	1	1	-	1	-	1	1	1	-	1	2	1
C324.4	2.00	1.00	1	-	-	-	-	-	-	-	-	-	3	-	-
C324.5	-	2.00	-	2	-	-	-	1	-	1	-	-	-	1	**1**
C324.6	-	-	1	3	3	-	1	-	-	-	2	-	1	2	**3**
C324	**2.33**	**2.00**	**1.00**	**1.75**	**2.00**	-	**1.00**	**1.00**	**1.00**	**1.33**	**1.50**	-	**1.75**	**1.50**	**1.75**

Course Code & Name:(R18ECE3273) CONSUMER ELECTRONICS(325)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C325.1	3	1	-	-	1	-	-	-	-	-	-	-	3	-	3
C325.2	2	2	1	-	-	-	-	-	-	-	1	-	2	-	2
C325.3	-	1	2	1	1	-	-	1	1	-	-	-	-	1	1
C325.4	-	-	2	1	-	-	-	-	-	1	-	-	-	1	1
C325.5	-	-	2	-	2	-	-	-	-	-	-	-	-	2	-
C325.6	-	-	2	1	1	-	-	1	1	-	-	-	-	1	1
C325	**2.5**	**1.3**	**1.8**	**1**	**1.3**	-	-	**1**	**1**	**1**	**1**	-	**2.5**	**1.3**	**1.6**

Course Code & Name :(R18ECE32L1) DIGITAL SIGNAL PROCESSING LAB(326)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C326.1	-	1	3	1	2	1	-	-	-	1	-	-	-	-	1
C326.2	3	-	2	1	3	-	-	-	-	-	1	1	-	1	-
C326.3	1	-	-	-	-	-	-	1	1	-	-	-	2	-	-
C326.4	2	3	-	-	1	-	-	-	-	1	-	-	3	-	2
C326.5	-	3	-	-	1	1	-	1	1	-	1	1	-	3	-
C326.6	2	1	1	-	3	-	-	-	-	-	-	-	-	-	-
C326	**2.00**	**2.00**	**2.00**	**1.00**	**2.00**	**1.00**	-	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**2.50**	**2.00**	**1.50**

Course Code & Name: (R18ECE32L2) E-CAD LAB(327)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C327.1	3	-	-	-	1	-	-	-	-	-	-	-	3	-	2
C327.2	-	-	-	1	2	-	-	-	1	-	-	-	-	2	-

C327.3	3	-	-	-	1	-	-	-	-	-	-	-	3	-	2
C327.4	3	-	-	-	1	-	-	1	-	1	-	-	2	-	2
C327.5	-	-	-	1	2	-	-	-	-	-	-	-	-	2	-
C327.6	1	1	-	2	1	-	1	-	1	-	-	-	-	1	1
C327	**2.5**	**1**	-	**1.3**	**1.3**	-	**1**	**1**	**1**	**1**	-	-	**2.7**	**1.7**	**1.8**

COURSE OUTCOMES
IV YEAR ECE SEMESTER - I (REGULATION – R18)
ACADEMIC YEAR: 2021-2022

Course Code & Name: (R18ECE4101) MICROWAVE AND OPTICAL COMMUNICATION(411)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C411.1	2	2	2	1	1	1	-	-	-	-	-	-	1	-	1
C411.2	3	-	-	-	-	-	-	-	-	-	-	-	3	-	2
C411.3	1	1	-	2	2	-	-	-	1	-	-	-	-	-	-
C411.4	2	2	3	1	1	1	-	-	-	-	-	-	1	-	1
C411.5	1	1	-	2	2	1	-	-	-	-	-	-	-	-	-
C411.6	1	1	-	2	2	-	-	-	1	-	-	-	-	-	-
C411	1.7	1.4	2.5	1.6	1.6	1	-	-	1	-	-	-	1.7	-	1.3

Course Code & Name:(R18HAS4101) PROFESSIONAL PRACTICE, LAW & ETHICS(412)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C412.1	-	-	-	-	-	2	1	2	1	1	1	2	-	-	-
C412.2	-	-	-	-	-	1	1	3	1	-	1	-	-	-	-
C412.3	-	-	-	-	-	2	1	1	2	2	1	-	-	-	-
C412.4	-	-	-	-	-	1	1	2	1	2	1	2	-	-	-
C412.5	-	-	-	-	-	3	2	1	1	2	1	2	-	-	-
C412.6	-	-	-	-	-	1	1	1	1	1	1	2	-	-	-

Course Code & Name: (R18ECE4131) DIGITAL IMAGE PROCESSING (413)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C413.1	-	3	-	-	2	-	-	-	-	-	-	1	3	1	2
C413.2	3	-	-	-	-	-	-	-	1	-	2	-	1	1	-
C413.3	-	-	2	2	1	-	1	1	-	1	1	-	2	2	2
C413.4	-	2	-	-	-	-	-	-	-	-	-	1	1	3	1
C413.5	2	-	-	-	-	-	-	-	1	-	2	-	1	1	-
C413.6	-	-	1	1	3	-	1	1	-	1	-	1	3	1	3
C413	**2.50**	**2.50**	**1.50**	**1.50**	**2.00**	-	**1.00**	**1.00**	**1.00**	**1.00**	**1.67**	**1.00**	**1.83**	**1.50**	**2.00**

Course Code & Name: (R18ECE4141) CELLULAR & MOBILE COMMUNICATIONS (414)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C414.1	-	3.0	-	1	2	-	-	-	-	-	-	-	-	1	2
C414.2	2	-	1	-	2	-	-	1	-	2	-	-	2	-	-
C414.3	3	-	-	1	1	-	1	-	1	1	1	-	1	2	1
C414.4	-	3.0	-	1	2	-	-	-	-	-	-	-	-	1	2
C414.5	-	2.0	-	2	-	-	-	1	-	1	-	-	-	1	1
C414.6	-	-	1	3	3	-	1	-	-	-	2	-	1	2	2
C414	2.5	2.7	1.0	1.6	2.0	-	1.0	1.0	1.0	1.3	1.5	-	1.3	1.4	1.6

Course Code & Name: (R18ECE4183) PRINCIPLES OF MODERN COMMUNICATION SYSTEMS (415)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C415.1	2	2	2	-	-	-	-	-	-	-	-	-	1	-	1
C415.2	-	-	-	2	1	-	-	-	-	1	-	-	-	1	-
C415.3	-	1	1	1	-	-	-	1	1	-	-	-	-	1	-
C415.4	3	-	-	-	1	-	-	-	1	-	-	-	2	-	2
C415.5	-	-	1	2	-	-	-	-	-	-	-	-	-	1	-
C415.6	-	1	-	1	1	-	-	1	1	-	-	-	-	1	-
C415	2.5	1.3	1.3	1.5	1	-	-	1	1	1	-	-	1.5	1	1.5

Course Code & Name: (R18ECE41L1) MICROWAVE ENGINEERING AND OC LAB (416)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C416.1	1	3	1	-	2	-	-	-	1	1	-	-	1	-	1
C416.2	3	-	-	-	-	-	1	-	1	1	-	-	-	1	-
C416.3	-	2	1	1	3	-	-	1	1	1	-	-	-	1	-
C416.4	-	1	1	2	2	-	-	1	1	1	-	-	-	1	-
C416.5	1	2	2	-	-	-	1	1	1	1	-	-	1	-	1

C416.6	-	1	1	2	2	-	-	-	1	1	-	-	-	1	-
C416	1.7	1.8	1.2	1.7	2.3	-	1	1	1	1	-	-	1	1	1

COURSE OUTCOMES
IV YEAR ECE SEMESTER - II (REGULATION – R18)
ACADEMIC YEAR: 2021-2022

Course Code & Name: (R18ECE4251) SATELLITE COMMUNICATIONS (C421)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C421.1	-	1	-	1	3	-	-	-	-	-	-	-	1	2	1
C421.2	3	-	-	-	-	-	2	-	-	-	1	-	2	1	-
C421.3	2	1	-	-	1	-	-	1	1	-	-	-	3	-	1
C421.4	1	3	-	-	-	-	-	-	1	1	-	-	-	2	-
C421.5	-	1	3	1	2	-	-	-	-	-	-	-	-	-	2
C421.6	-	-	-	3	1	-	-	1	1	-	1	-	1	1	3
C421	2	1.5	3	1.7	1.8	-	2	1	1	1	1	-	1.8	1.5	1.8

Course Code & Name: (R18ECE4261) WIRELESS COMMUNICATION & NETWORKS (C422)

Course Outcome	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C422.1	-	-	-	-	3	-	1	-	-	-	-	-	1	1	3
C422.2	-	3	-	1	-	-	-	1	1	-	1	-	-	1	-
C422.3	-	-	-	-	2	-	-	-	-	-	-	-	2	-	-
C422.4	-	2	-	1	-	-	-	-	1	1	1	-	1	-	1
C422.5	-	-	1	-	1	-	-	1	1	-	-	-	-	1	-
C422.6	-	1	1	2	2	-	-	-	-	-	1	-	-	-	2
C422	-	2.0	1.0	1.3	2.0	#DIV/0!	1.0	1.0	1.0	1.0	1.0	#DIV/0!	1.3	1.0	2.0

Course Code & Name: (R18ECE4293) AUDIO & VIDEO ENGINEERING(423)

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
C423.1	2	1	-	-	1	-	-	-	-	-	-	-	1	-	2
C423.2	2	1	-	-	-	-		-	-	-	-	-	-	-	1
C423.3	-	1	-	1	2	-	1	-	-	-	-	-	-	-	-
C423.4	2	-	-	1	1	-	1	-	-	-	-	-	1	-	2
C423.5	2	1	-	-	-	-	1	-	-	-	-	-	1	-	2
C423.6	2	1	-	1	1	-	1	-	-	-	-	-	1	-	2
C423	2	1	-	1	1.3	-	1	-	-	-	-	-	1	-	1.8

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY
Department of Electronics and Communication Engineering

Course Outcome Program Outcomes Mapping using - Competencies-Performance Indicators.
Subject Code / Name :

PO/ CO	Competency		Performance Indicators		CO1	CO2	CO3	CO4	CO5	CO6
PO1: Engineering Knowledge: apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.	1.1	Demonstrate competence in mathematical modeling	1.1.1	Apply mathematical techniques such as linear algebra, differential calculus, differential equations and integral calculus to solve problems						
			1.1.2	Apply concepts of Complex Variable, probability, linear algebra, vector integration and transformation techniques to model and solve electronics engineering problems.						
	1.2	Demonstrate competence in basic sciences	1.2.1	Apply laws of natural science to an engineering problem						
	1.3	Demonstrate competence in engineering fundamentals	1.3.1	Apply engineering fundamentals						
	1.4	Demonstrate competence in specialized engineering knowledge to the program	1.4.1	Apply electronics engineering concepts to solve engineering problems						
				Average						
				Average Final						
PO2: 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.	2.1	Demonstrate an ability to identify and formulate complex engineering problem	2.1.1	Articulate problem statements and identify objectives.						
			2.1.2	Identify engineering systems, variables, and parameters to solve a problem						
			2.1.3	Identify the mathematical, engineering and other relevant knowledge that applies to a given problem						
	2.2	Demonstrate an ability to formulate a solution plan and methodology for an engineering problem	2.2.1	Reframe complex problems into interconnected sub-problems.						
			2.2.2	Identify, assemble and evaluate information and resources						
			2.2.3	Identify existing solution/methods for solving the problem, including forming justified approximations and assumptions						
			2.2.4	Compare and contrast alternative solution/methods to select the best methods.						
	2.3	Demonstrate an ability to formulate and interpret a model	2.3.1	Combine scientific principles and engineering concepts to formulate model/s (mathematical or otherwise) of a system or process that is appropriate in terms of applicability and required accuracy.						
			2.3.2	Identify assumptions (mathematical and physical) necessary to allow modeling of a system at the level of accuracy required.						
	2.4	Demonstrate an ability to execute a solution process and analyze results	2.4.1	Apply engineering mathematics to implement solution						
			2.4.2	Analyze and interpret the results using contemporary tools.						
			2.4.3	Identify the limitations of the solution and sources/causes of error.						
			2.4.4	Arrive at conclusions with respect to the objectives.						
	Average									
	Average Final									
PO3: 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.	3.1	Demonstrate an ability to define a complex/open-ended problem in engineering terms	3.1.1	Recognize that need analysis is key to good problem definition						
			3.1.2	Able to identify and document system requirements from stakeholders.						
			3.1.3	Ability to review state of the art literature to synthesize requirements.						
			3.1.4	Extract engineering requirements from relevant engineering codes and standards defined by ISO/IEC/IEEE.						
			3.1.5	Explore and synthesize engineering requirements considering health, safety, risks, environment, cultural and societal issues						
			3.1.6	Determine design, objectives, functional requirements and arrive at specifications						
	3.2	Demonstrate an ability to generate a diverse set of alternative design solutions	3.2.1	Ability to explore design alternatives.						
			3.2.2	Build models/prototypes to develop diverse set of design solutions						
			3.2.3	Identify suitable criteria for evaluation of alternate design solutions						
	3.3	Demonstrate an ability to select optimal design scheme	3.3.1	Ability to perform systematic evaluation of the degree to which several design concepts meet the criteria.						

	3.3	select optimal design scheme for further development	3.3.2	Consult with domain experts and stakeholders to select candidate engineering design solution for further development							
	3.4	Demonstrate an ability to advance an engineering design to defined end state	3.4.1	Refine a conceptual design into a detailed design within the existing constraints (of the resources)							
			3.4.2	Generate information through appropriate tests to improve or revise design							
PO4: Conduct Investigation of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusions.	4.1	Demonstrate an ability to conduct investigations of technical issues consistent with their level of knowledge and understanding	4.1.1	Define a problem for purpose of investigation,its scope and importance							
			4.1.2	Choose appropriate methods, algorithms, hardware/software tools and techniques of experiment design, system calibration, data acquisition, analysis and presentation							
			4.1.3	Apply appropriate hardware/software tools to conduct the experiment							
			4.1.4	Establish a relationship between measured data and underlying physical principles							
	4.2	Demonstrate an ability to design experiments to solve open ended problems	4.2.1	Design and develop experimental approach, specify appropriate equipment and procedures							
			4.2.2	Understand the importance of statistical design of experiments and choose an appropriate experimental design plan based on the study objectives							
	4.3	Demonstrate an ability to analyze data and reach a valid conclusion	4.3.1	Use appropriate procedures, tools and techniques to collect and analyze data							
			4.3.2	Critically analyze data for trends and correlations, stating possible errors and limitations							
			4.3.3	Represent data (in tabular and/or graphical forms) so as to facilitate analysis and explanation of the data, and drawing of conclusions							
			4.3.4	Synthesize information and knowledge about the problem from the raw data to reach appropriate conclusions							
PO5: Modern Tools 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.	5.1	Demonstrate an ability to identify/create modern engineering tools, techniques and resources	5.1.1	Identify modern engineering tools techniques and resources for engineering activities							
			5.1.2	Create/adapt/modify/extend tools and techniques to solve engineering problems							
	5.2	Demonstrate an ability to select and apply discipline specific tools, techniques and resources	5.2.1	Identify the strengths and limitations of tools for (i) acquiring information (ii) modeling and simulating (iii) monitoring system performance, and (iv) creating engineering designs							
			5.2.2	Demonstrate proficiency in using discipline specific tools							
	5.3	Demonstrate an ability to evaluate the suitability and limitations of tools used to solve an engineering problem	5.3.1	Discuss limitations and validate tools, techniques and resources							
			5.3.2	Verify the credibility of results from tool use with reference to the accuracy and limitations,and the assumptions inherent in their use.							
PO6: 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.	6.1	Demonstrate an ability to describe engineering roles in a broader context, e.g. pertaining to the environment, health, safety, legal and public welfare	6.1.1	Identify and describe various engineering roles; particularly as pertains to protection of the public and public interest at global, regional and local level.							
	6.2	Demonstrate an understanding of professional engineering regulations, legislation and standards	6.2.1	Interpret legislation, regulations, codes, and standards relevant to professional engineering practice and explain its contribution to the protection of the public.							
PO7: Environment & Sustainability: understand the impact of the professional engineering solutions in societal and	7.1	Demonstrate an understanding of the impact of engineering and industrial practices on social, environmental and in	7.1.1	Identify risks/impacts in the life-cycle of anengineering product or activity							
			7.1.2	Understand the relationship between the technical, socioeconomic and environmental dimensions of sustainability							

environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	7.2	Demonstrate an ability toapply principles of sustainable design and development	7.2.1	Describe management techniques for sustainable development							
			7.2.2	Apply principles of preventive engineering and sustainable development to anengineering activity or product relevant to thediscipline							
PO8: Ethics: apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.	8.1	Demonstrate an ability to recognize ethical dilemmas	8.1.1	Identify situations of unethical professional conduct and propose ethical alternatives							
	8.2	Demonstrate an ability to apply the code of ethics	8.2.1	Identify tenets of code of ethics given by theprofessional bodies like IEEE.							
			8.2.2	Examine and apply moral & ethical principles to known case studies							
PO9: Individual & Team work: function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.	9.1	Demonstrate an ability to form a team and define a role for each member	9.1.1	Recognize a variety of working and learning preferences; appreciate the value of diversity on a team							
			9.1.2	Implement the norms of practice (e.g. rules, roles, charters, agendas etc.) of effective team work, to accomplish a goal							
	9.2	Demonstrate effective individual and team operations-- communication, problem solving, conflict resolution and leadership skills	9.2.1	Demonstrate effective communication, problem solving, conflict resolution and leadership skills							
			9.2.2	Treat other team members respectfully							
			9.2.3	Listen to other members							
			9.2.4	Maintain composure in difficult situations							
	9.3	Demonstrate success in a team based project	9.3.1	Present results as a team, with smooth integration of contributions from all individual efforts							
PO10: 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.	10.1	Demonstrate an ability to comprehend technical literature and document project work	10.1.1	Read, understand and interpret technical and non-technical information							
			10.1.3	Create flow in a document or presentation- a logical progression of ideas so that the main point is clear							
	10.2	Demonstrate competence in listening, speaking and presentation	10.2.1	Listen to and comprehend information, instructions, and viewpoints of others							
			10.2.2	Deliver effective oral presentations to technical and nontechnical audiences							
	10.3	Demonstrate the ability to integrate different modes of communication	10.3.1	Create engineering-standard figures, reports and drawings to complement writing and presentations							
			10.3.2	Use a variety of media effectively to convey a message in a document or a presentation							
PO11: Project management & 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.	11.1	Demonstrate an ability to evaluate the economic and financial performance of an engineering activity	11.1.1	Describe various economic andfinancial costs/benefits of an engineering activity							
			11.1.2	Analyze different forms of financial statements to evaluate the financial status of an engineering project							
	11.2	Demonstrate an ability to compare and contrast the costs/benefits of alternate proposals for an engineering activity	11.2.1	Analyze and select the most appropriate proposal based on economic and financial considerations							
	11.3	Demonstrate an ability to plan/manage an engineering activity within time and budget constraints	11.3.1	Identify the tasks required to complete an engineering activity and the resources required to complete the tasks							
			11.3.2	Use project management tools to schedule an engineering project so it is completed on time and on budget							

PO12: 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.	12.1	Demonstrate an ability to identify gaps in knowledge and a strategy to close these gaps	12.1.1	Describe the rationale for requirement for continuing professional development						
			12.1.2	Identify deficiencies or gaps in knowledge and demonstrate an ability to source information to close this gap						
	12.2	Demonstrate an ability to identify changing trends in engineering knowledge and practice	12.2.1	Identify historic points of technological advance in engineering that required practitioners to seek education in order to stay current						
			12.2.2	Recognize the need and be able to clearly explain why it is vitally important to keep current regarding new developments in your field.						
	12.3	Demonstrate an ability to identify and access sources for new information	12.3.1	Source and comprehend technical literature and other credible sources of information						
			12.3..2	Analyze sourced technical and popular information for feasibility, viability, sustainability etc.						

Department of Electronics and Communication Engineering

2019-23 CO-PO Articulation Table

S.No	Course Code	Course Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	Mathematics – I	R18MTH1101	2.17	2.33	2.17	1.67	-	-	-	-	-	-	-	1.33	2.5	2	2.17
2	Applied Physics	R18EAP1101	1.5	2	2.1	1.8	1.5	-	2	-	-	-	-	1.5	1	1.8	1.4
3	PPS	R18CSE1101	1.16	2	2	1	3	-	-	-	1			-	1	1.25	-
4	Engineering Graphics	R18MED1102	3	2	3	-	3	-	-	-	-	-	-	3	3	3	2
5	Applied Physics Lab	R18EAP12L1	1.5	2	2.1	1.8	1.5	-	2	-	-	-	-	1.5	1	1.8	1.4
6	PPS LAB	R18CSE12L1	1.16	2	2	0.66	3	-	-	-	0.5	-	-	-	0.5	0.83	-
7	Mathematics – II	R18MTH1201	2.5	2.0	1.7	2.2	3.0	1.3					1	2.0	2.5	1.7	2.3
8	Chemistry	R18ECH1101	2.10	2	2.1	-	-	-	2	-	-	-	-	-	1.5	1.6	-
9	BEE	R18EEE1101	2.6	2.5	2	2	2	1.8	2	2	2.2	1.8	2.5	2.3	2.3	2.3	2.5
10	Engineering Workshop	R18MED1101	3	1.3	1.3	1	1.2	-	-	1.2	-	-	2	-	3	-	3
11	English	R18HAS1101	-	-	2.8	3	3	2.8	3	3	3	2.3	-	2.7	-	-	-
12	EC Lab	R18ECH12L1	2.1	2.1	-	-	-	1.6	2.1	-	2.0	-	-	1.6	1.8	1.6	-
13	ELCS Lab	R18HAS12L1	2	2	2	2	-	2	2	2	2.3	2.7	2	2.8	2	2	2
14	BEE Lab	R18EEE12L2	2.6	2.1	-	-	-	2.3	2.3	-	2.1	-	-	2.1	2.1	2.8	-
15	EDC	R18ECE2101	2.2	1.6	1.5	2	2	-	1	1	1	1	-	-	2.3	1.7	1.5
16	Network Theory	R18EEE2107	1.5	2	1	1.2	1.4	-	1	-	-	-	-	-	-	-	1.6
17	Digital Logic Design	R18ECE2102	2	2	2.25	1.6	1.83	1	1	-	1	-	-	1.2	2	2.5	1.5
18	Signals and Systems	R18ECE2103	2.7	2	3	1.3	1.8	-	1	1	1	-	1	-	2	1.7	1.7
19	PTSP	R18ECE2104	2.3	1.8	1	1	1.8	-	1	1	1	1	-	-	2.2	1.3	1.5
20	EDC Lab	R18ECE21L1	1.8	2.2	1	1.5	2	1	1	1	1	1	-	-	2	1	2.5
21	DLD Lab	R18ECE21L2	2	1	1.8	2	2	-	1	1	1.4	1	-	1	1.8	1.3	1
22	BS Lab	R18ECE21L3	2	2	2.5	1.3	1.7	1	1	1	1	1	-	-	2	1.5	2.3
23	GS Lab	R18MAC2100	-	-	-	-	-	1.8	1.5	1.8	1.67	1.75	-	-	-	-	-
24	LT, NM & CV	R18MTH2201	2.2	2.4	2	1.4	1.7	-	-	-	-	-	-	1	-	-	-
25	EMTL	R18ECE2201	1.8	2.3	1.5	1	2.3	1	1	1	1	1	-	-	2	1.5	2
26	ADC	R18ECE2202	1.5	2.2	-	1.3	1.8	-	1	-	-	-	-	-	1.5	-	1.4
27	LDIC	R18ECE2203	2	3	2	2	2	-	-	1	1	1	1	1	2	1.5	1.5
28	ECA	R18ECE2204	2	2	2	1.8	1.2	-	-	1	1	1	1	1	1.7	2	1.3
29	ADC Lab	R18ECE22L1	1.8	2.2	1.2	1.3	1.5	-	-	1	1.6	1.3	-	-	1.2	2	1.3
30	ICA Lab	R18ECE22L2	1.7	1.3	1	1.5	1.5	-	1	1	1.5	1	-	-	1.5	1	2
31	ECA Lab	R18ECE22L3	1.5	1.7	1	1.5	1.3	-	1	1	1.5	1	-	-	1.5	-	1
32	BEFA	R18MBA2201	-	1	1	-	1.3	-	1	1	1	1	2	1	1	1	1
33	MPMC	R18ECE3101	1.7	2	1.7	1.3	1.3	1	-	1	1	1	1	1	1.7	1	2
34	DCN	R18INF3103	2.5	1.7	1.2	1.8	1.8	-	-	1	1	1	1	1	2.5	1	2
35	CS	R18EEE2202	1.8	2.2	1	1	1.8	1	-	1	1	1	-	-	1.7	1	2
36	COOS	R18CSE3114	1.7	1.3	2.5	2.5	2	-	1	1	1	-	1	-	2	1.3	1.5
37	MPMC Lab	R18ECE31L1	2.5	1.3	1.8	1.8	1.5	1	-	1	1	1	1	1	1.8	2.3	1.5
38	DCN Lab	R18INF31L2	2.8	1.7	1.3	-	1.3	1	-	1	1	1	-	1	2.8	2	1.8
39	ACS Lab	R18HAS31L1	-	1	-	-	1.7	-	-	1	1	2.2	1	1	-	-	1

40	AWP	R18ECE3201	2	3	1.3	2.5	2.3	-	-	1	1	1	-	1	1.5	1	1.5
41	DSP	R18ECE3202	1.7	2	2	2.5	1.8	1	-	1	1	1	1	1	2.5	1.5	3
42	VLSI Design	R18ECE3203	1.7	2	2	2	1	1	1	1	1	-	1	1	2	2	-
43	ESD	R18ECE3221	2.3	2.0	1.0	1.8	2.0	-	1.0	1.0	1.0	1.3	1.5	-	1.8	1.5	1.8
44	CE	R18ECE3273	2.5	1.3	1.8	1	1.3	-	-	1	1	1	1	-	2.5	1.3	1.6
45	DSP Lab	R18ECE32L1	2	2	2	1	2	1	-	1	1	1	1	1	2.5	2	1.5
46	e-CAD Lab	R18ECE32L2	2.5	1	-	1.3	1.3	-	1	1	1	1	-	-	2.7	1.7	1.8
47	MWE & OC	R18ECE4101	1.7	1.4	2.5	1.6	1.6	1	-	-	1	-	-	-	1.7	-	1.3
48	PPLE	R18HAS4101	-	-	-	-	-	1.7	1.2	1.7	1.2	1.6	1	2	-	-	-
49	DIP	R18ECE4131	2.50	2.50	1.50	1.50	2.00	-	1.00	1.00	1.00	1.00	1.67	1.00	1.83	1.50	2.00
50	CMC	R18ECE4141	2.50	2.67	1.00	1.60	2.00	-	1.00	1.00	1.00	1.33	1.50	-	1.33	1.40	1.60
51	PMCS	R18ECE4183	2.5	1.3	1.3	1.5	1	-	-	1	1	1	-	-	1.5	1	1.5
52	MWE & OC Lab	R18ECE41L1	1.7	1.8	1.2	1.7	2.3	-	1	1	1	1	-	-	1	1	1
53	SC	R18ECE4251	2	1.5	3	1.7	1.8	-	2	1	1	1	1	-	1.8	1.5	1.8
54	RADAR	R18ECE4261	-	2	1	1.33	2	-	1	1	1	1	1	-	1.33	1	2
55	AVE	R18ECE4293	2	1	-	1	1.3	-	1	-	-	-	-	-	1	-	1.8
	Curriculam average mapping		**2.06**	**1.88**	**1.75**	**1.59**	**1.82**	**1.37**	**1.34**	**1.15**	**1.20**	**1.21**	**1.26**	**1.45**	**1.84**	**1.58**	**1.73**
	No.of. courses mapped		**49**	**52**	**47**	**46**	**48**	**20**	**33**	**39**	**44**	**35**	**23**	**27**	**49**	**44**	**45**

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Electronics and Communication Engineering

CO Assessment Tools

S. No.	Theory course		
	Tool Used	**Frequency**	**Parameter of assessment**
1	Assignment Test	2 tests per semester	Students scored above the Target Value
2	Internal Assessment Test	2 tests per semester	Students scored above the Target Value
3	End Semester Exams	1 test per semester	Students scored above the Target Value
Laboratory course			
4	Lab day-to-day evaluation	conduction of the lab every week	Students scored above the Target Value
5	Internal Evaluation of Lab	2 tests per semester	Students scored above the Target Value
6	Semester Lab End Examination	1 test per semester	Students scored above the Target Value
7	Seminar	1 time per program	Students scored above the Target Value
8	Comprehensive viva	1 time per program	Students scored above the Target Value
9	Mini project	1 time per program	Students scored above the Target Value
10	Major project	1 time per program	Students scored above the Target Value

	Tool Used	**Frequency**	**Parameter of assessment**
1	CO Feedback	2 times in the academic year	Average of all CO feedbacks collected

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Electronics and Communication Engineering

Revised Bloom's Taxanomy

Definitions	I. Remembering	II. Understanding	III. Applying	IV. Analyzing	V. Evaluating	VI. Creating
Bloom's Definition	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.	Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.	Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions.
Verbs	• Choose • Define • Find • How • Label • List • Match • Name • Omit • Recall • Relate • Select • Show • Spell • Tell • What • When • Where • Which • Who • Why	• Classify • Compare • Contrast • Demonstrate • Explain • Extend • Illustrate • Infer • Interpret • Outline • Relate • Rephrase • Show • Summarize • Translate	• Apply • Build • Choose • Construct • Develop • Experiment with • Identify • Interview • Make use of • Model • Organize • Plan • Select • Solve • Utilize	• Analyze • Assume • Categorize • Classify • Compare • Conclusion • Contrast • Discover • Dissect • Distinguish • Divide • Examine • Function • Inference • Inspect • List • Motive • Relationships • Simplify • Survey • Take part in • Test for • Theme	• Agree • Appraise • Assess • Award • Choose • Compare • Conclude • Criteria • Criticize • Decide • Deduct • Defend • Determine • Disprove • Estimate • Evaluate • Explain • Importance • Influence • Interpret • Judge • Justify • Mark • Measure • Opinion • Perceive • Prioritize • Prove • Rate • Recommend • Rule on • Select • Support • Value	• Adapt • Build • Change • Choose • Combine • Compile • Compose • Construct • Create • Delete • Design • Develop • Discuss • Elaborate • Estimate • Formulate • Happen • Imagine • Improve • Invent • Make up • Maximize • Minimize • Modify • Original • Originate • Plan • Predict • Propose • Solution • Solve • Suppose • Test • Theory

Anderson, L. W., & Krathwohl, D. R. (2001). A taxonomy for learning, teaching, and assessing, Abridged Edition. Boston, MA: Allyn and Bacon.

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Electronics and Communication Engineering

2018-22 Percentage of Students Attained CO

S.NO	Course Title	Course Code	CO1	CO2	CO3	CO4	CO5	CO6	% PERCENATAGE OF STUDENTS
1	Mathematics – I	R18MTH1101	67.0	73.0	81.0	88.0	55.0	85.0	74.8
2	Applied Physics	R18EAP1101	76	55	76	70	63	76	69.3
3	PPS	R18CSE1101	74	80	72	69	69	78	73.7
4	Engineering Graphics	R18MED1102	83	99	67	44	84	81	76.3
5	Applied Physics Lab	R18EAP12L1	71.6	72.2	71.6	84.2	84.2	84.2	78.0
6	PPS LAB	R18CSE12L1	70.6	65.8	60.4	75.4	73	70.6	69.3
7	Mathematics – II	R18MTH1201	79	70	87	81	82	79	79.7
8	Chemistry	R18ECH1101	76	73	85	88	83	85	81.7
9	BEE	R18EEE1101	75	70	84	77	79	75	76.7
10	Engineering Workshop	R18MED1101	88	83	78	67	82	92	81.8
11	English	R18HAS1101	66	49	77	87	69	77	70.8
12	EC Lab	R18ECH12L1	82.2	75	51.6	90.6	90.6	90.6	80.1
13	ELCS Lab	R18HAS12L1	83	79	78	87	84	79	81.7
14	BEE Lab	R18EEE12L2	73.2	73.2	73.2	73.8	73.8	73.8	73.5
15	EDC	R18ECE2101	84	78	90	81	100	44	79.5
16	Network Theory	R18EEE2107	86	77	75	79	60	88	77.5
17	Digital Logic Design	R18ECE2102	85	90	73	73	80	71	78.7
18	Signals and Systems	R18ECE2103	85	86	81	73	62	88	79.2
19	PTSP	R18ECE2104	90	90	85	63	95	75	83.0
20	EDC Lab	R18ECE21L1	96	95	96	98	98	98	96.8
21	DLD Lab	R18ECE21L2	61	60	61	69	73	69	65.5
22	BS Lab	R18ECE21L3	59	59	60	68	71	69	64.3
23	LT, NM & CV	R18MTH2201	77	76	78	79	63	67	73.3
24	EMTL	R18ECE2201	90	99	79	68	74	69	79.8
25	ADC	R18ECE2202	98	94	78	76	73	76	82.5

26	LDIC	R18ECE2203	80	84	71	82	91	69	79.5
27	ECA	R18ECE2204	90	68	81	63	81	62	74.2
28	ADC Lab	R18ECE22L1	90	83	93	100	100	95	93.5
29	ICA Lab	R18ECE22L2	59	61	60	57	58	63	59.7
30	ECA Lab	R18ECE22L3	54	54	55	75	73	66	62.8
31	BEFA	R18MBA2201	71	82	62	93	89	71	78.0
32	MPMC	R18ECE3101	81	73	56	67	75	68	70.0
33	DCN	R18INF3103	84	88	83	54	63	72	74.0
34	CS	R18EEE2202	59	58	74	65	77	100	72.2
35	COOS	R18CSE3114	75	56	76	97	69	63	72.7
36	MPMC Lab	R18ECE31L1	97	97	97	97	95	96	96.5
37	DCN Lab	R18INF31L2	61.4	70.4	61.4	56.2	55	55.6	60.0
38	ACS Lab	R18HAS31L1	78.4	73	74.2	72.3	66	66	71.7
39	AWP	R18ECE3201	73	63	65	71	65	0	56.2
40	DSP	R18ECE3202	76	73	54	82	78	73	72.7
41	VLSI Design	R18ECE3203	94	88	63	87	80	78	81.7
42	**ESD**	**R18ECE3221**	**69**	**75**	**78**	**82**	**90**	**55**	**74.8**
43	CE	R18ECE3273	66	74	86	72	100	51	74.8
44	DSP Lab	R18ECE32L1	64.6	64.6	65.2	57.2	56	56	60.6
45	e-CAD Lab	R18ECE32L2	76.00	76.00	76.00	66.40	66.40	71.80	72.1
46	MWE & OC	R18ECE4101	70	73	77	100	69	68	76.2
47	PPLE	R18HAS4101	79	87	66	68	73	84	76.2
48	DIP	R18ECE4131	67	66	84	73	79	84	75.5
49	CMC	R18ECE4141	64	49	75	91	90	88	76.2
50	PMCS	R18ECE4183	57	58	75	67	68	100	70.8
51	MWE & OC Lab	R18ECE41L1	60	61	60	60	69	69	63.2
52	SC	R18ECE4251	61	57	83	70	83	66	70.0
53	RADAR	R18ECE4263	40	100	84	78	99	83	80.7
54	AVE	R18ECE4293	82	71	73	80	69	60	72.5

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Electronics and Communication Engineering

2019-23 CO DIRECT (CIE) Attainment

S.NO	Course Title	Course Code	CO1	CO2	CO3	CO4	CO5	CO6	Overall CIE Attainment
1	Mathematics – I	R18MTH1101	3.0	3.0	3.0	3.0	2.0	3.0	2.83
2	Applied Physics	R18EAP1101	3	2.5	3	3	3	3	2.92
3	PPS	R18CSE1101	3	3	3	3	3	3	3.00
4	Engineering Graphics	R18MED1102	3	3	3	1.4	3	3	2.73
5	Applied Physics Lab	R18EAP12L1	3	3	3	3	3	3	3.00
6	PPS LAB	R18CSE12L1	3	2	2	3	3	3	2.67
7	Mathematics – II	R18MTH1201	3	3	3	3	3	3	3.00
8	Chemistry	R18ECH1101	3	3	3	3	3	3	3.00
9	BEE	R18EEE1101	3	3	3	3	3	3	3.00
10	Engineering Workshop	R18MED1101	3	3	3	3	3	3	3.00
11	English	R18HAS1101	3	1	3	3	3	3	2.67
12	EC Lab	R18ECH12L1	3	3	1	3	3	3	2.67
13	ELCS Lab	R18HAS12L1	3	3	3	3	3	3	3.00
14	BEE Lab	R18EEE12L2	3	3	3	3	3	3	3.00
15	EDC	R18ECE2101	3	3	3	3	3	1	2.67
16	Network Theory	R18EEE2107	3	3	3	3	3	3	3.00
17	Digital Logic Design	R18ECE2102	3	3	3	3	3	3	3.00
18	Signals and Systems	R18ECE2103	3	3	3	3	3	3	3.00
19	PTSP	R18ECE2104	3	3	3	3	3	3	3.00
20	EDC Lab	R18ECE21L1	3	3	3	3	3	3	3.00
21	DLD Lab	R18ECE21L2	3	3	3	3	3	3	3.00
22	BS Lab	R18ECE21L3	2.9	2.9	3	3	3	3	2.97
23	LT, NM & CV	R18MTH2201	3	3	3	3	2	3	2.83

24	EMTL	R18ECE2201	3	3	3	3	3	3	3.00
25	ADC	R18ECE2202	3	3	3	3	3	3	3.00
26	LDIC	R18ECE2203	3	3	3	3	3	3	3.00
27	ECA	R18ECE2204	3	3	3	3	3	3	3.00
28	ADC Lab	R18ECE22L1	3	3	3	3	3	3	3.00
29	ICA Lab	R18ECE22L2	2.9	3	3	2.7	2.8	3	2.90
30	ECA Lab	R18ECE22L3	1.4	1.4	1.5	3	3	2.6	2.15
31	BEFA	R18MBA2201	3	3	3	3	3	3	3.00
32	MPMC	R18ECE3101	3	3	2.6	3	3	3	2.93
33	DCN	R18INF3103	3	3	3	3	3	3	3.00
34	CS	R18EEE2202	1	1	3	2	3	3	2.17
35	COOS	R18CSE3114	3	3	3	3	3	3	3.00
36	MPMC Lab	R18ECE31L1	3	3	3	3	3	3	3.00
37	DCN Lab	R18INF31L2	3	3	3	2	2	2	2.50
38	ACS Lab	R18HAS31L1	3	3	3	3	2	2	2.67
39	AWP	R18ECE3201	3	3	3	3	3	0	2.50
40	DSP	R18ECE3202	3	3	2	3	3	3	2.83
41	VLSI Design	R18ECE3203	3	3	3	3	3	3	3.00
42	ESD	R18ECE3221	3	3	3	3	3	2	2.83
43	CE	R18ECE3273	3	3	3	2.4	3	2.1	2.75
44	DSP Lab	R18ECE32L1	3	3	3	2	2	2	2.50
45	e-CAD Lab	R18ECE32L2	3	3	3	2	2	3	2.67
46	MWE & OC	R18ECE4101	3	3	3	3	2.9	2.8	2.95
47	PPLE	R18HAS4101	3	3	3	2.4	3	2.8	2.87
48	DIP	R18ECE4131	3	3	3	3	3	3	3.00
49	CMC	R18ECE4141	3	2	3	3	3	3	2.83
50	PMCS	R18ECE4183	2.7	2.8	3	3	3	3	2.92
51	MWE & OC Lab	R18ECE41L1	3	3	3	3	3	3	3.00
52	SC	R18ECE4251	3	3	3	3	3	3	3.00
53	RADAR	R18ECE4263	1	3	3	3	3	3	2.67
54	AVE	R18ECE4293	3	3	3	3	3	3	3.00

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Electronics and Communication Engineering

2019-23 CO 80% OF CIE Attainment

S.NO	Course Title	Course Code	CO1	CO2	CO3	CO4	CO5	CO6	Overall CIE Attainment
1	Mathematics – I	R18MTH1101	2.4	2.4	2.4	2.4	1.6	2.4	2.3
2	Applied Physics	R18EAP1101	2.4	2	2.4	2.4	2.4	2.4	2.3
3	PPS	R18CSE1101	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Engineering Graphics	R18MED1102	2.4	2.4	2.4	1.12	2.4	2.4	2.2
5	Applied Physics Lab	R18EAP12L1	2.4	2.4	2.4	2.4	2.4	2.4	2.4
6	PPS LAB	R18CSE12L1	2.4	1.6	1.6	2.4	2.4	2.4	2.1
7	Mathematics – II	R18MTH1201	2.4	2.4	2.4	2.4	2.4	2.4	2.4
8	Chemistry	R18ECH1101	2.4	2.4	2.4	2.4	2.4	2.4	2.4
9	BEE	R18EEE1101	2.4	2.4	2.4	2.4	2.4	2.4	2.4
10	Engineering Workshop	R18MED1101	2.4	2.4	2.4	2.4	2.4	2.4	2.4
11	English	R18HAS1101	2.4	0.8	2.4	2.4	2.4	2.4	2.1
12	EC Lab	R18ECH12L1	2.4	2.4	0.8	2.4	2.4	2.4	2.1
13	ELCS Lab	R18HAS12L1	2.4	2.4	2.4	2.4	2.4	2.4	2.4
14	BEE Lab	R18EEE12L2	2.4	2.4	2.4	2.4	2.4	2.4	2.4
15	EDC	R18ECE2101	2.4	2.4	2.4	2.4	2.4	0.8	2.1
16	Network Theory	R18EEE2107	2.4	2.4	2.4	2.4	2.4	2.4	2.4
17	Digital Logic Design	R18ECE2102	2.4	2.4	2.4	2.4	2.4	2.4	2.4
18	Signals and Systems	R18ECE2103	2.4	2.4	2.4	2.4	2.4	2.4	2.4
19	PTSP	R18ECE2104	2.4	2.4	2.4	2.4	2.4	2.4	2.4
20	EDC Lab	R18ECE21L1	2.4	2.4	2.4	2.4	2.4	2.4	2.4
21	DLD Lab	R18ECE21L2	2.4	2.4	2.4	2.4	2.4	2.4	2.4
22	BS Lab	R18ECE21L3	2.32	2.32	2.4	2.4	2.4	2.4	2.4

23	LT, NM & CV	R18MTH2201	2.4	2.4	2.4	2.4	1.6	2.4	2.3
24	EMTL	R18ECE2201	2.4	2.4	2.4	2.4	2.4	2.4	2.4
25	ADC	R18ECE2202	2.4	2.4	2.4	2.4	2.4	2.4	2.4
26	LDIC	R18ECE2203	2.4	2.4	2.4	2.4	2.4	2.4	2.4
27	ECA	R18ECE2204	2.4	2.4	2.4	2.4	2.4	2.4	2.4
28	ADC Lab	R18ECE22L1	2.4	2.4	2.4	2.4	2.4	2.4	2.4
29	ICA Lab	R18ECE22L2	2.32	2.4	2.4	2.16	2.24	2.4	2.3
30	ECA Lab	R18ECE22L3	1.12	1.12	1.2	2.4	2.4	2.08	1.7
31	BEFA	R18MBA2201	2.4	2.4	2.4	2.4	2.4	2.4	2.4
32	MPMC	R18ECE3101	2.4	2.4	2.08	2.4	2.4	2.4	2.3
33	DCN	R18INF3103	2.4	2.4	2.4	2.4	2.4	2.4	2.4
34	CS	R18EEE2202	0.8	0.8	2.4	1.6	2.4	2.4	1.7
35	COOS	R18CSE3114	2.4	2.4	2.4	2.4	2.4	2.4	2.4
36	MPMC Lab	R18ECE31L1	2.4	2.4	2.4	2.4	2.4	2.4	2.4
37	DCN Lab	R18INF31L2	2.4	2.4	2.4	1.6	1.6	1.6	2.0
38	ALCS Lab	R18HAS31L1	2.4	2.4	2.4	2.4	1.6	1.6	2.1
39	AWP	R18ECE3201	2.4	2.4	2.4	2.4	2.4	0	2.0
40	DSP	R18ECE3202	2.4	2.4	1.6	2.4	2.4	2.4	2.3
41	VLSI Design	R18ECE3203	2.4	2.4	2.4	2.4	2.4	2.4	2.4
42	ESD	R18ECE3221	2.4	2.4	2.4	2.4	2.4	1.6	2.3
43	CE	R18ECE3273	2.4	2.4	2.4	1.92	2.4	1.68	2.2
44	DSP Lab	R18ECE32L1	2.4	2.4	2.4	1.6	1.6	1.6	2.0
45	e-CAD Lab	R18ECE32L2	2.4	2.4	2.4	1.6	1.6	2.4	2.1
46	MWE & OC	R18ECE4101	2.4	2.4	2.4	2.4	2.32	2.24	2.4
47	PPLE	R18HAS4101	2.4	2.4	2.4	1.92	2.4	2.24	2.3
48	DIP	R18ECE4131	2.4	2.4	2.4	2.4	2.4	2.4	2.4

49	CMC	R18ECE4141	2.4	1.6	2.4	2.4	2.4	2.4	2.3
50	PMCS	R18ECE4183	2.16	2.24	2.4	2.4	2.4	2.4	2.3
51	MWE & OC Lab	R18ECE41L1	2.4	2.4	2.4	2.4	2.4	2.4	2.4
52	SC	R18ECE4251	2.4	2.4	2.4	2.4	2.4	2.4	2.4
53	RADAR	R18ECE4263	0.8	2.4	2.4	2.4	2.4	2.4	2.1
54	AVE	R18ECE4293	2.4	2.4	2.4	2.4	2.4	2.4	2.4

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Electronics and Communication Engineering

Course End Survey Form III Year-II Semester Sample and Responses (2017-2021)

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY		
COURSE END SURVEY		
ASSESSMENT OF COURSE OUTCOMES		
CAY:2019-2020	SEM: ☐ I ☐ II	Date:
Year	☐ I ☐ II ☐ III ☐ IV	Batch:
Department		

ASSESSMENT OF LEARNING OUTCOMES

Please evaluate on the following Scale:

Very Good	Satisfactory	Need improvement
3	2	1

SNO	QUESTIONNAIRE	Your Rating
GENERAL OBJECTIVES:		
1)	Has the course achieved its stated objectives?	
2)	Have you gained the stated skills?	
3)	Whether the syllabus is adequate to achieve the objectives?	
4)	Whether the teacher has helped in acquiring the stated skills?	
5)	Whether the teacher has given real life applications of the course?	
SPECIFIC LEARNING OUTCOMES – MANAGERIAL ECONOMICS & FINANCIAL ANALYSIS (C321)		
C321.1	Analyze the market demand and supply analysis and pricing in different market structures.	
C321.2	Determine how production functions are carried out and analyze the cost.	
C321.3	Identify different markets and types of business organization.	
C321.4	Evaluate how capital budgeting decisions are carried out.	
C321.5	Adapt the framework for manual accounting process.	
C321.6	Analyze and interpret financial statements through ratio analysis.	
SPECIFIC LEARNING OUTCOMES – TELEVISION ENGINEERING (C322)		
C322.1	Explain the TV transmitter and receiver, interlaced scanning composite video signal, camera tubes ,TV signal transmission and propagation.	
C322.2	Classify monochrome TV receiver blocks like RF tuner, IF subsystem scanning circuits, Deflection circuits, AGC, noise cancellation, FM detection.	
C322.3	Identify the TV receiver tuners, VHF and VHF tuners, digital tuning techniques and remote control of receiver functions.	
C322.4	Interpret the sync separation ,AFC single ended AFC circuit, Deflection oscillators and Receiver antennas and picture tubes.	
C322.5	Discuss about the Color TV basic concepts, Color picture tubes, NTSC color system, PAL color system and PAL-D decoder.	
C322.6	Discuss about Electronic tuners, IF subsystem, chroma decoder, synchronous demodulators, raster circuits, Digital TV DTH, LCD TV, LED TV, CCD image sensors and HDTV.	
SPECIFIC LEARNING OUTCOMES – DIGITAL COMMUNICATIONS (C323)		
C323.1	Make use of basic components of digital communication system.	
C323.2	Analyze the error performance of the digital modulation techniques.	
C323.3	Demonstrate the design of optimum receivers for the digital modulation techniques.	
C323.4	Solve the information theory, entropy and source coding techniques.	
C323.5	Compare different error detecting and correcting codes like block codes, cyclic codes and convolution codes.	
C323.6	Classify the performance of spread spectrum, PN codes in jamming, noise etc.	
SPECIFIC LEARNING OUTCOMES – VLSI DESIGN (C324)		
C324.1.	Compare the fabrication process of integrated circuit using MOS transistors.	
C324.2.	Choose an appropriate inverter depending on specifications required for a circuit.	
C324.3.	Sketch the layout and estimate parasitic of any logic circuit.	
C324.4.	Design different types of logic gates using CMOS inverter.	
C324.5.	Design building blocks of data path using gates and memories using MOS transistors.	
C324.6.	Design Programmable logic devices and interpret the concept of testing to improve testability of system.	
SPECIFIC LEARNING OUTCOMES – MICROPROCESSORS AND MICROCONTROLLERS (C325)		
C325.1	Classify the internal details of microprocessors 8086.	
C325.2	Apply the various types of instruction sets of microprocessor 8086 to write programs.	
C325.3	Analyze and apply different interfacing techniques to interface I/O devices with 8086 microprocessor.	
C325.4	Explain the internal details of microcontroller 8051	

C325.4	Explain the internal details of microcontroller 8051.	
C325.5	Interpret the various types of instruction sets of microcontroller 8051 to write programs.	
C325.6	Analyze and apply different programming techniques to control 8051 supporting peripheral devices in real time.	
SPECIFIC LEARNING OUTCOMES – DIGITAL SIGNAL PROCESSING (C326)		
C326.1	Identify the time, frequency and Z - transform analysis on signals and systems.	
C326.2.	Relationship between DFT and various transforms.	
C326.3	Explain significance of various filter structures and effects of round off errors.	
C326.4	Design Digital Filters for a given specifications.	
C326.5.	Analyze the fast computation of EDFT and appreciate the FFT processing.	
C326.6	Evaluate the multi rate DSP techniques and finite word length effects.	
SPECIFIC LEARNING OUTCOMES – MICROPROCESSOR AND MICROCONTROLLER LAB(C327)		

C327.1.	Develop the programs for 16-bit arithmetic operation, sorting, searching, string manipulations on 8086 microprocessor.	
C327.2.	Design and develop program for digital clock, parallel communication using 8255 and serial communication using 8251.	
C327.3.	Develop program for interfacing ADC, DAC and stepper motor to 8086.	
C327.4.	Develop the programs for arithmetic, logical and bit manipulation instructions of 8051 and verify Timer/counter, interrupt handling in 8051 microcontroller.	
C327.5.	Develop program for interfacing of LCD and Matrix/keyboard to 8051 and communication between 8051 kit and PC.	
C327.6.	Develop the program for UART and data transfer program from peripheral to memory through DMA controller 8237/8257.	
SPECIFIC LEARNING OUTCOMES – DIGITAL SIGNAL PROCESSING LAB (C328)		
C328.1.	Generate sinusoidal waveforms on recursive difference equation and through filtering and DTMF signals.	
C328.2.	Sketch the characteristic of FFT of a given sequence for LP FIR,HP FIR,LP IIR,HP IIR filters.	
C328.3.	Calculate the DFT/IDFT of given DT signal and show the frequency response of given system. Impulse response of first order and second order systems.	
C328.4.	Determine the power spectrum of a given sequence. (K3-Apply)	
C328.5.	Analyze Decimation, Interpolation and I/D sampling rate converters.	
C328.6.	Experiment the audio application and noise removal.	

Signature (Optional)

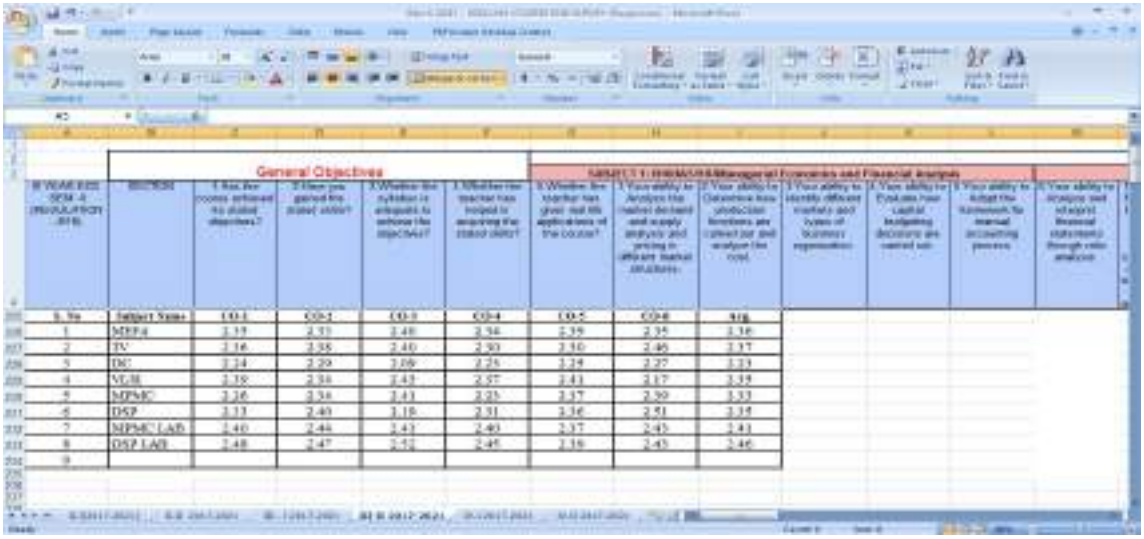
ASSESSMENT OF COURSE OUTCOMES:

1) Number of Students, who had given the feedbacks: **N**

2) **Number of Questions = Q (General objectives + specific outcomes)**
3) Find the Number of Very Good(VG), Satisfactory(S), Need Improvement(NI)
4) Assessment of Course Outcomes (ACO) will be as per the following formula:

ACO=(3xVG+2xS+1xNI)/ (N x Q)

Course Outcome (CO) in %age = (ACO/3) *100



		General Objectives						
S. No	Subject Name	CO-1	CO-2	CO-3	CO-4	CO-5	CO-6	Avg.
1	MDP-I	2.35	2.33	2.40	2.56	2.39	2.35	2.39
2	TV	2.36	2.38	2.40	2.50	2.30	2.46	2.37
3	DC	2.24	2.29	2.09	2.25	2.24	2.27	2.23
4	VLSI	2.39	2.36	2.43	2.57	2.41	2.17	2.39
5	MPMC	2.26	2.34	2.43	2.23	2.37	2.39	2.33
6	DSP	2.33	2.40	2.10	2.31	2.36	2.51	2.34
7	MPMC LAB	2.40	2.46	2.43	2.40	2.37	2.43	2.41
8	DSP LAB	2.48	2.47	2.52	2.45	2.39	2.43	2.46
9								

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Electronics and Communication Engineering

2019-23 CO Indirct Attainment

S.NO	Course Title	Course Code	CO1	CO2	CO3	CO4	CO5	CO6	Consolidated CO IN Direct Attainment
1	Mathematics – I	R18MTH1101	2.30	2.32	2.35	2.35	2.31	2.26	2.32
2	Applied Physics	R18EAP1101	2.33	2.29	2.29	2.31	2.27	2.30	2.30
3	PPS	R18CSE1101	2.29	2.31	2.32	2.37	2.35	2.33	2.33
4	Engineering Graphics	R18MED1102	2.37	2.33	2.30	2.26	2.28	2.22	2.29
5	Applied Physics Lab	R18EAP12L1	2.32	2.30	2.28	2.32	2.26	2.25	2.29
6	PPS LAB	R18CSE12L1	2.31	2.29	2.38	2.40	2.30	2.26	2.32
7	Mathematics – II	R18MTH1201	2.05	2.12	2.09	2.10	2.12	2.15	2.10
8	Chemistry	R18ECH1101	2.11	2.17	2.13	2.12	2.06	2.14	2.12
9	BEE	R18EEE1101	2.08	2.18	2.14	2.24	2.17	2.13	2.16
10	Engineering Workshop	R18MED1101	2.15	2.15	2.15	2.03	2.20	2.11	2.13
11	English	R18HAS1101	2.37	2.29	2.32	2.34	2.31	2.27	2.32
12	EC Lab	R18ECH12L1	2.12	2.03	2.10	2.16	2.07	2.14	2.10
13	ELCS Lab	R18HAS12L1	2.32	2.30	2.28	2.32	2.26	2.25	2.29
14	BEE Lab	R18EEE12L2	2.08	2.13	2.12	2.16	2.21	2.11	2.14
15	EDC	R18ECE2101	2.19	2.12	2.04	2.14	2.10	2.29	2.15
16	Network Theory	R18EEE2107	2.20	2.24	2.17	2.10	2.06	2.14	2.15
17	Digital Logic Design	R18ECE2102	2.08	2.20	2.16	2.25	2.26	2.21	2.19
18	Signals and Systems	R18ECE2103	2.14	2.13	2.06	2.00	2.00	2.07	2.07
19	PTSP	R18ECE2104	2.19	2.16	2.14	2.06	2.21	2.16	2.15
20	EDC Lab	R18ECE21L1	2.15	2.15	2.20	2.17	2.23	2.13	2.17
21	DLD Lab	R18ECE21L2	2.14	2.06	2.16	2.16	2.09	2.12	2.12
22	BS Lab	R18ECE21L3	2.07	2.21	2.20	2.13	2.14	2.11	2.14
23	LT, NM & CV	R18MTH2201	2.17	2.10	2.19	2.18	2.19	2.15	2.16
24	EMTL	R18ECE2201	2.11	2.21	2.20	2.11	2.22	2.30	2.19
25	ADC	R18ECE2202	2.06	2.20	2.22	2.07	2.17	2.12	2.14
26	LDIC	R18ECE2203	2.13	2.16	2.08	2.12	2.21	2.19	2.15
27	ECA	R18ECE2204	2.12	2.10	2.18	2.05	2.21	2.17	2.14

28	ADC Lab	R18ECE22L1	2.12	2.17	2.09	2.04	2.26	2.15	2.14
29	ICA Lab	R18ECE22L2	2.08	2.11	2.15	2.09	2.14	2.17	2.13
30	ECA Lab	R18ECE22L3	2.08	2.13	2.13	2.19	2.08	2.09	2.12
31	BEFA	R18MBA2201	2.36	2.30	2.32	2.33	2.39	2.33	2.34
32	MPMC	R18ECE3101	2.25	2.28	2.29	2.36	2.31	2.29	2.30
33	DCN	R18INF3103	2.30	2.28	2.26	2.22	2.26	2.26	2.26
34	CS	R18EEE2202	2.24	2.20	2.20	2.21	2.26	2.27	2.23
35	COOS	R18CSE3114	2.21	2.31	2.29	2.25	2.28	2.29	2.27
36	MPMC Lab	R18ECE31L1	2.25	2.28	2.33	2.32	2.32	2.38	2.31
37	DCN Lab	R18INF31L2	2.25	2.21	2.29	2.33	2.34	2.29	2.29
38	ACS Lab	R18HAS31L1	2.27	2.38	2.25	2.29	2.22	2.25	2.28
39	AWP	R18ECE3201	2.28	2.33	2.36	2.35	2.23	2.42	2.33
40	DSP	R18ECE3202	2.30	2.28	2.26	2.26	2.21	2.31	2.27
41	VLSI Design	R18ECE3203	2.28	2.31	2.24	2.29	2.24	2.34	2.28
42	ESD	R18ECE3221	2.27	2.33	2.33	2.42	2.44	2.32	2.35
43	CE	R18ECE3273	2.34	2.23	2.27	2.34	2.30	2.30	2.30
44	DSP Lab	R18ECE32L1	2.32	2.33	2.30	2.37	2.30	2.41	2.34
45	e-CAD Lab	R18ECE32L2	2.39	2.25	2.25	2.36	2.31	2.39	2.32
46	MWE & OC	R18ECE4101	2.16	2.22	2.20	2.24	2.19	2.20	2.20
47	PPLE	R18HAS4101	2.24	2.16	2.13	2.11	2.21	2.20	2.17
48	DIP	R18ECE4131	2.18	2.21	2.20	2.19	2.21	2.19	2.20
49	CMC	R18ECE4141	2.18	2.19	2.09	2.04	2.15	2.14	2.13
50	PMCS	R18ECE4183	2.18	2.06	2.23	2.15	2.16	2.13	2.15
51	MWE & OC Lab	R18ECE41L1	2.16	2.10	2.05	2.07	2.06	2.07	2.08
52	SC	R18ECE4251	2.18	2.25	2.19	2.13	2.09	2.17	2.17
53	RADAR	R18ECE4263	2.16	2.08	2.23	2.13	2.18	2.20	2.16
54	AVE	R18ECE4293	2.22	2.11	2.17	2.22	2.11	2.14	2.16

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Electronics and Communication Engineering

2019-23 CO Overall Attainment

S.NO	Course Title	Course	CONSOLIDATED CO DIRECT ATTAINMENT	80% OF CONSOLIDATED CO DIRECT ATTAINMENT	CONSOLIDATED CO INDIRECT ATTAINMENT	20% OF CONSOLIDATED CO INDIRECT ATTAINMENT	CONSOLIDATED Overall CO ATTAINMENT =80% OF DIRECT +20% OF INDIRECT
1	Mathematics – I	R18MTH1101	2.83	2.27	2.32	0.46	2.73
2	Applied Physics	R18EAP1101	2.92	2.33	2.30	0.46	2.79
3	PPS	R18CSE1101	3.00	2.40	2.33	0.47	2.87
4	Engineering Graphics	R18MED1102	2.73	2.19	2.29	0.46	2.65
5	Applied Physics Lab	R18EAP12L1	3.00	2.40	2.29	0.46	2.86
6	PPS LAB	R18CSE12L1	2.67	2.13	2.32	0.46	2.60
7	Mathematics – II	R18MTH1201	3.00	2.40	2.10	0.42	2.82
8	Chemistry	R18ECH1101	3.00	2.40	2.12	0.42	2.82
9	BEE	R18EEE1101	3.00	2.40	2.16	0.43	2.83
10	Engineering Workshop	R18MED1101	3.00	2.40	2.13	0.43	2.83
11	English	R18HAS1101	2.67	2.13	2.32	0.46	2.60
12	EC Lab	R18ECH12L1	2.67	2.13	2.10	0.42	2.55
13	ELCS Lab	R18HAS12L1	3.00	2.40	2.29	0.46	2.86
14	BEE Lab	R18EEE12L2	3.00	2.40	2.14	0.43	2.83
15	EDC	R18ECE2101	2.67	2.13	2.15	0.43	2.56
16	Network Theory	R18EEE2107	3.00	2.40	2.15	0.43	2.83
17	Digital Logic Design	R18ECE2102	3.00	2.40	2.19	0.44	2.84
18	Signals and Systems	R18ECE2103	3.00	2.40	2.07	0.41	2.81
19	PTSP	R18ECE2104	3.00	2.40	2.15	0.43	2.83
20	EDC Lab	R18ECE21L1	3.00	2.40	2.17	0.43	2.83
21	DLD Lab	R18ECE21L2	3.00	2.40	2.12	0.42	2.82
22	BS Lab	R18ECE21L3	2.97	2.37	2.14	0.43	2.80
23	LT, NM & CV	R18MTH2201	2.83	2.27	2.16	0.43	2.70

24	EMTL	R18ECE2201	3.00	2.40	2.19	0.44	2.84
25	ADC	R18ECE2202	3.00	2.40	2.14	0.43	2.83
26	LDIC	R18ECE2203	3.00	2.40	2.15	0.43	2.83
27	ECA	R18ECE2204	3.00	2.40	2.14	0.43	2.83
28	ADC Lab	R18ECE22L1	3.00	2.40	2.14	0.43	2.83
29	ICA Lab	R18ECE22L2	2.90	2.32	2.13	0.43	2.75
30	ECA Lab	R18ECE22L3	2.15	1.72	2.12	0.42	2.14
31	BEFA	R18MBA2201	3.00	2.40	2.34	0.47	2.87
32	MPMC	R18ECE3101	2.93	2.35	2.30	0.46	2.81
33	DCN	R18INF3103	3.00	2.40	2.26	0.45	2.85
34	CS	R18EEE2202	2.17	1.73	2.23	0.45	2.18
35	COOS	R18CSE3114	3.00	2.40	2.27	0.45	2.85
36	MPMC Lab	R18ECE31L1	3.00	2.40	2.31	0.46	2.86
37	DCN Lab	R18INF31L2	2.50	2.00	2.29	0.46	2.46
38	ACS Lab	R18HAS31L1	2.67	2.13	2.28	0.46	2.59
39	AWP	R18ECE3201	2.50	2.00	2.33	0.47	2.47
40	DSP	R18ECE3202	2.83	2.27	2.27	0.45	2.72
41	VLSI Design	R18ECE3203	3.00	2.40	2.28	0.46	2.86
42	ESD	R18ECE3221	2.83	2.27	2.35	0.47	2.74
43	CE	R18ECE3273	2.75	2.20	2.30	0.46	2.66
44	DSP Lab	R18ECE32L1	2.50	2.00	2.34	0.47	2.47
45	e-CAD Lab	R18ECE32L2	2.67	2.13	2.32	0.46	2.60
46	MWE & OC	R18ECE4101	2.95	2.36	2.20	0.44	2.80
47	PPLE	R18HAS4101	2.87	2.29	2.17	0.43	2.73
48	DIP	R18ECE4131	3.00	2.40	2.20	0.44	2.84
49	CMC	R18ECE4141	2.83	2.27	2.13	0.43	2.69
50	PMCS	R18ECE4183	2.92	2.33	2.15	0.43	2.76
51	MWE & OC Lab	R18ECE41L1	3.00	2.40	2.08	0.42	2.82
52	SC	R18ECE4251	3.00	2.40	2.17	0.43	2.83
53	WCN	R18ECE4261	2.67	2.13	2.16	0.43	2.57
54	AVE	R18ECE4293	3.00	2.40	2.16	0.43	2.83

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Electronics and Communication Engineering

2019-23 CO SEE Attainment

S.NO	Course Title	Course Code	CO1	CO2	CO3	CO4	CO5	CO6	Overall CIE Attainment
1	Mathematics – I	R18MTH1101	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2	Applied Physics	R18EAP1101	2	2	2	2	2	2	2.0
3	PPS	R18CSE1101	2.7	2.7	2.7	2.7	2.7	2.7	2.7
4	Engineering Graphics	R18MED1102	1.9	1.9	1.9	1.9	1.9	1.9	1.9
5	Applied Physics Lab	R18EAP12L1	2.2	2.2	2.2	2.2	2.2	2.2	2.2
6	PPS LAB	R18CSE12L1	1.9	1.9	1.9	1.9	1.9	1.9	1.9
7	Mathematics – II	R18MTH1201	2.4	2.4	2.4	2.4	2.4	2.4	2.4
8	Chemistry	R18ECH1101	2.7	2.7	2.7	2.7	2.7	2.7	2.7
9	BEE	R18EEE1101	2.5	2.5	2.5	2.5	2.5	2.5	2.5
10	Engineering Workshop	R18MED1101	3	3	3	3	3	3	3.0
11	English	R18HAS1101	2.1	2.1	2.1	2.1	2.1	2.1	2.1
12	EC Lab	R18ECH12L1	2.9	2.9	2.9	2.9	2.9	2.9	2.9
13	ELCS Lab	R18HAS12L1	2.4	2.4	2.4	2.4	2.4	2.4	2.4
14	BEE Lab	R18EEE12L2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
15	EDC	R18ECE2101	2.2	2.2	2.2	2.2	2.2	2.2	2.2
16	Network Theory	R18EEE2107	2.3	2.3	2.3	2.3	2.3	2.3	2.3

17	Digital Logic Design	R18ECE2102	2.2	2.2	2.2	2.2	2.2	2.2	2.2
18	Signals and Systems	R18ECE2103	1.6	1.6	1.6	1.6	1.6	1.6	1.6
19	PTSP	R18ECE2104	2.2	2.2	2.2	2.2	2.2	2.2	2.2
20	EDC Lab	R18ECE21L1	2.4	2.4	2.4	2.4	2.4	2.4	2.4
21	DLD Lab	R18ECE21L2	1.8	1.8	1.8	1.8	1.8	1.8	1.8
22	BS Lab	R18ECE21L3	1.6	1.6	1.6	1.6	1.6	1.6	1.6
23	LT, NM & CV	R18MTH2201	2.3	2.3	2.3	2.3	2.3	2.3	2.3
24	EMTL	R18ECE2201	2.3	2.3	2.3	2.3	2.3	2.3	2.3
25	ADC	R18ECE2202	1.9	1.9	1.9	1.9	1.9	1.9	1.9
26	LDIC	R18ECE2203	2	2	2	2	2	2	2.0
27	ECA	R18ECE2204	2.6	2.6	2.6	2.6	2.6	2.6	2.6
28	ADC Lab	R18ECE22L1	2	2	2	2	2	2	2.0
29	ICA Lab	R18ECE22L2	3	3	3	3	3	3	3.0
30	ECA Lab	R18ECE22L3	2.6	2.6	2.6	2.6	2.6	2.6	2.6
31	BEFA	R18MBA2201	2	2	2	2	2	2	2.0
32	MPMC	R18ECE3101	2.6	2.6	2.6	2.6	2.6	2.6	2.6
33	DCN	R18INF3103	1.8	1.8	1.8	1.8	1.8	1.8	1.8
34	CS	R18EEE2202	2.8	2.8	2.8	2.8	2.8	2.8	2.8
35	COOS	R18CSE3114	2.6	2.6	2.6	2.6	2.6	2.6	2.6
36	MPMC Lab	R18ECE31L1	2.8	2.8	2.8	2.8	2.8	2.8	2.8

37	DCN Lab	R18INF31L2	3	3	3	3	3	3	3.0
38	ALCS Lab	R18HAS31L1	3	3	3	3	3	3	3.0
39	AWP	R18ECE3201	2.1	2.1	2.1	2.1	2.1	2.1	2.1
40	DSP	R18ECE3202	2.6	2.6	2.6	2.6	2.6	2.6	2.6
41	VLSI Design	R18ECE3203	2.5	2.5	2.5	2.5	2.5	2.5	2.5
42	ESD	R18ECE3221	2	2	2	2	2	2	2.0
43	CE	R18ECE3273	3	3	3	3	3	3	3.0
44	DSP Lab	R18ECE32L1	1.5	1.5	1.5	1.5	1.5	1.5	1.5
45	e-CAD Lab	R18ECE32L2	2.5	2.5	2.5	2.5	2.5	2.5	2.5
46	MWE & OC	R18ECE4101	2.4	2.4	2.4	2.4	2.4	2.4	2.4
47	PPLE	R18HAS4101	2.7	2.7	2.7	2.7	2.7	2.7	2.7
48	DIP	R18ECE4131	2.2	2.2	2.2	2.2	2.2	2.2	2.2
49	CMC	R18ECE4141	2.1	2.1	2.1	2.1	2.1	2.1	2.1
50	PMCS	R18ECE4183	2.5	2.5	2.5	2.5	2.5	2.5	2.5
51	MWE & OC Lab	R18ECE41L1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
52	SC	R18ECE4251	1.9	1.9	1.9	1.9	1.9	1.9	1.9
53	RADAR	R18ECE4263	2.4	2.4	2.4	2.4	2.4	2.4	2.4
54	AVE	R18ECE4293	2.2	2.2	2.2	2.2	2.2	2.2	2.2

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Electronics and Communication Engineering

2019-23 ACE Attainment

S.NO	Course Title	Course Code	CO1	CO2	CO3	CO4	CO5	CO6	Consolidated CO Direct Attainment
1	Mathematics – I	R18MTH1101	2.93	2.93	2.93	2.93	2.60	2.90	2.87
2	Applied Physics	R18EAP1101	2.3	2.15	2.3	2.3	2.3	2.3	2.3
3	PPS	R18CSE1101	2.79	2.79	2.79	2.79	2.79	2.79	2.8
4	Engineering Graphics	R18MED1102	2.23	2.23	2.23	1.75	2.23	2.23	2.2
5	Applied Physics Lab	R18EAP12L1	2.44	2.44	2.44	2.44	2.44	2.44	2.44
6	PPS LAB	R18CSE12L1	2.23	1.93	1.93	2.23	2.23	2.23	2.1
7	Mathematics – II	R18MTH1201	2.58	2.58	2.58	2.58	2.58	2.58	2.6
8	Chemistry	R18ECH1101	2.79	2.79	2.79	2.79	2.79	2.79	2.8
9	BEE	R18EEE1101	2.65	2.65	2.65	2.65	2.65	2.65	2.7
10	Engineering Workshop	R18MED1101	2.95	2.95	2.95	2.94	2.95	2.95	2.9
11	English	R18HAS1101	2.37	1.77	2.37	2.37	2.37	2.37	2.3
12	EC Lab	R18ECH12L1	2.93	2.93	2.33	2.93	2.93	2.93	2.8
13	ELCS Lab	R18HAS12L1	2.53	2.53	2.53	2.53	2.53	2.53	2.5
14	BEE Lab	R18EEE12L2	2.44	2.44	2.44	2.44	2.44	2.44	2.4
15	EDC	R18ECE2101	2.39	2.39	2.38	2.39	2.39	1.92	2.3
16	Network Theory	R18EEE2107	2.46	2.46	2.46	2.46	2.45	2.46	2.5
17	Digital Logic Design	R18ECE2102	2.38	2.39	2.39	2.4	2.4	2.39	2.4
18	Signals and Systems	R18ECE2103	1.97	1.97	1.96	1.96	1.96	1.96	2.0
19	PTSP	R18ECE2104	2.39	2.39	2.39	2.38	2.39	2.39	2.4
20	EDC Lab	R18ECE21L1	2.53	2.53	2.53	2.53	2.53	2.53	2.5
21	DLD Lab	R18ECE21L2	2.11	2.1	2.11	2.11	2.11	2.11	2.1
22	BS Lab	R18ECE21L3	1.94	1.95	1.97	1.97	1.97	1.97	2.0
23	LT, NM & CV	R18MTH2201	2.46	2.46	2.46	2.46	2.22	2.46	2.4
24	EMTL	R18ECE2201	2.46	2.46	2.45	2.46	2.46	2.46	2.5
25	ADC	R18ECE2202	2.17	2.18	2.18	2.17	2.18	2.18	2.2
26	LDIC	R18ECE2203	2.25	2.25	2.24	2.25	2.25	2.25	2.2
27	ECA	R18ECE2204	2.67	2.67	2.67	2.66	2.67	2.67	2.7

28	ADC Lab	R18ECE22L1	2.25	2.25	2.25	2.24	2.26	2.25	2.3
29	ICA Lab	R18ECE22L2	2.92	2.95	2.95	2.87	2.9	2.95	2.9
30	ECA Lab	R18ECE22L3	2.28	2.28	2.31	2.67	2.66	2.57	2.5
31	BEFA	R18MBA2201	2.26	2.26	2.26	2.26	2.26	2.26	2.3
32	MPMC	R18ECE3101	2.68	2.68	2.58	2.68	2.68	2.68	2.7
33	DCN	R18INF3103	2.12	2.12	2.12	2.11	2.12	2.12	2.1
34	CS	R18EEE2202	2.33	2.33	2.81	2.57	2.82	2.82	2.6
35	COOS	R18CSE3114	2.67	2.68	2.68	2.68	2.68	2.68	2.7
36	MPMC Lab	R18ECE31L1	2.82	2.82	2.82	2.82	2.82	2.82	2.8
37	DCN Lab	R18INF31L2	2.96	2.95	2.96	2.72	2.72	2.72	2.8
38	ACS Lab	R18HAS31L1	2.96	2.96	2.96	2.96	2.71	2.72	2.9
39	AWP	R18ECE3201	2.33	2.33	2.33	2.33	2.32	1.62	2.2
40	DSP	R18ECE3202	2.68	2.68	2.44	2.68	2.67	2.68	2.6
41	VLSI Design	R18ECE3203	2.61	2.61	2.6	2.61	2.6	2.61	2.6
42	ESD	R18ECE3221	2.26	2.26	2.26	2.27	2.27	2.02	2.2
43	CE	R18ECE3273	2.96	2.95	2.96	2.82	2.96	2.74	2.9
44	DSP Lab	R18ECE32L1	1.91	1.91	1.91	1.67	1.67	1.67	1.8
45	e-CAD Lab	R18ECE32L2	2.61	2.61	2.61	2.37	2.37	2.61	2.5
46	MWE & OC	R18ECE4101	2.53	2.53	2.53	2.53	2.51	2.48	2.5
47	PPLE	R18HAS4101	2.74	2.74	2.74	2.59	2.74	2.69	2.7
48	DIP	R18ECE4131	2.39	2.39	2.39	2.39	2.39	2.53	2.4
49	CMC	R18ECE4141	2.32	2.08	2.32	2.31	2.32	2.32	2.3
50	PMCS	R18ECE4183	2.53	2.55	2.6	2.6	2.6	2.6	2.6
51	MWE & OC Lab	R18ECE41L1	2.32	2.32	2.31	2.31	2.31	2.31	2.3
52	SC	R18ECE4251	2.18	2.19	2.18	2.18	2.18	2.18	2.2
53	RADAR	R18ECE4263	2.05	2.52	2.53	2.53	2.53	2.53	2.4
54	AVE	R18ECE4293	2.39	2.39	2.39	2.39	2.39	2.39	2.4

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Electronics and Communication Engineering

2019-23 CO Rubrics

Course Title	Course	Rubrics	Target Fixed	Target Attained
Mathematics–I	R18MTH1101	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.4	2.88
AppliedPhysics	R18EAP1101	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.4	2.27
Programming forProblemSolving	R18CSE1101	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.4	2.79
EngineeringGraphics	R18MED1102	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.6	2.15
AppliedPhysicsLab	R18EAP12L1	Level 1 : ATTAINMENT % >=50 AND <=59 Level 2 : ATTAINMENT % >=60 AND <=69 Level 3 : ATTAINMENT % >=70	2.5	2.44
ProgrammingforProblemSolving Lab	R18CSE12L1	Level 1 : ATTAINMENT % >=50 AND <=59 Level 2 : ATTAINMENT % >=60 AND <=69 Level 3 : ATTAINMENT % >=70	2.2	2.13
Mathematics– II	R18MTH1201	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.6	2.58

Chemistry	R18ECH1101	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.2	2.79
BasicElectricalEngineering	R18EEE1101	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.6	2.53
EngineeringWorkshop	R18MED1101	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.5	2.95
English	R18HAS1101	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2	2.27
EngineeringChemistryLab	R18ECH12L1	Level 1 : ATTAINMENT % >=50 AND <=59 Level 2 : ATTAINMENT % >=60 AND <=69 Level 3 : ATTAINMENT % >=70	2.6	2.93
EnglishLanguageandCommunicationSkillsLab	R18HAS12L1	Level 1 : ATTAINMENT % >=50 AND <=59 Level 2 : ATTAINMENT % >=60 AND <=69 Level 3 : ATTAINMENT % >=70	2.2	2.53
BasicElectricalEngineeringLab	R18EEE12L2	Level 1 : ATTAINMENT % >=50 AND <=59 Level 2 : ATTAINMENT % >=60 AND <=69 Level 3 : ATTAINMENT % >=70	2.5	2.4
ElectronicDevicesandCircuits	R18ECE2101	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.5	2.31

NetworkTheory	R18EEE2107	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.6	2.46
DigitalLogicDesign	R18ECE2102	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.1	2.39
SignalsandSystems	R18ECE2103	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.2	1.92
ProbabilityTheoryandStochasticProcesses	R18ECE2104	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.5	2.39
ElectronicDevicesandCircuitsLab	R18ECE21L1	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.2	2.53
DigitalLogic DesignLab	R18ECE21L2	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.3	2.11
BasicSimulationLab	R18ECE21L3	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.3	1.96
LT, NM & CV	R18MTH2201	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.5	2.42

ElectromagneticTheoryAndTransmissionLines	R18ECE2201	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.3	2.46
AnalogandDigitalCommunications	R18ECE2202	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.2	2.18
Linear andDigitalICApplications	R18ECE2203	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.4	2.25
ElectronicCircuitAnalysis	R18ECE2204	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.6	2.5
AnalogandDigitalCommunications Lab	R18ECE22L1	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.7	2.25
ICApplicationsLab	R18ECE22L2	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	3	2.92
ElectronicCircuitAnalysisLab	R18ECE22L3	Level 1 : ATTAINMENT % >=50 AND <=59 Level 2 : ATTAINMENT % >=60 AND <=69 Level 3 : ATTAINMENT % >=70	1.5	2.46
BusinessEconomics&FinancialAnalysis	R18MBA2201	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.3	2.26
Microprocessors&Microcontrollers	R18ECE3101	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.7	2.66

DataCommunicationsand Networks	R18INF3103	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.2	2.12
ControlSystems	R18EEE2202	Level 1 : ATTAINMENT % >=50 AND <=59 Level 2 : ATTAINMENT % >=60 AND <=69 Level 3 : ATTAINMENT % >=70	2.7	2.61
ComputerOrganization & Operating Systems	R18CSE3114	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.7	2.67
Microprocessors&Microcontrollers Lab	R18ECE31L1	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.7	2.82
DataCommunicationsandNetworks Lab	R18INF31L2	Level 1 : ATTAINMENT % >=50 AND <=59 Level 2 : ATTAINMENT % >=60 AND <=69 Level 3 : ATTAINMENT % >=70	2.2	2.84
AdvancedCommunicationSkills Lab	R18HAS31L1	Level 1 : ATTAINMENT % >=50 AND <=59 Level 2 : ATTAINMENT % >=60 AND <=69 Level 3 : ATTAINMENT % >=70	2.7	2.88
AntennasandWavePropagation	R18ECE3201	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.3	2.21
DigitalSignalProcessing	R18ECE3202	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	3	2.63

VLSIDesign	R18ECE3203	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.7	2.61
EmbeddedSystemDesign	R18ECE3221	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.3	2.22
Consumer Electronics	R18ECE3273	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.2	2.89
DigitalSignalProcessing Lab	R18ECE32L1	Level 1 : ATTAINMENT % >=50 AND <=59 Level 2 : ATTAINMENT % >=60 AND <=69 Level 3 : ATTAINMENT % >=70	1.9	1.79
e–CADLab	R18ECE32L2	Level 1 : ATTAINMENT % >=50 AND <=59 Level 2 : ATTAINMENT % >=60 AND <=69 Level 3 : ATTAINMENT % >=70	2.6	2.53
MicrowaveandOpticalCommunication	R18ECE4101	Level 1 : ATTAINMENT % >=50 AND <=59 Level 2 : ATTAINMENT % >=60 AND <=69 Level 3 : ATTAINMENT % >=70	2.6	2.52
ProfessionalPractice,Law&Ethics	R18HAS4101	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.6	2.7
DigitalImageProcessing	R18ECE4131	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.6	2.39
Cellular&MobileCommunications	R18ECE4141	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.4	2.3

PMCS	R18ECE4183	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.7	2.58
Microwave&OpticalCommunicationsLab	R18ECE41L1	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	3	2.32
SatelliteCommunications	R18ECE4251	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.4	2.18
RadarSystems	R18ECE4263	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.5	2.4
Audio &Video Engineering	R18ECE4293	Level 1 : ATTAINMENT % >=40 AND <=49 Level 2 : ATTAINMENT % >=50 AND <=59 Level 3 : ATTAINMENT % >=60	2.5	2.39

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY
Department of Electronics and Communication Engineering
PO/PSO Assessment Tools

1. Direct Assessment Method Tools:

S. No.	Direct Assessment Tools and processes	Remarks
1	Course Evaluation	Course evaluation is collected from the faculty at the end of each semester for every course. Mode of evaluation is Internal Theory & Practical Exams, Assignments and Seminars.
2	Oral Exams/Viva Voce	Viva Voce conducted during lab sessions. End semester course viva is also used to Measure the same.
3	External Exam	Conducted by the University / College during each semester for every course.
4	Project Evaluation	Project Evaluation conducted among the students day-to-day evaluation, Internal review and external review.

2. Indirectect Assessment Method Tools:

S. No	Indirect Assessment Method	Frequency	Method description
1	Alumni survey	Once in a year	Alumni Survey conducted about program Satisfaction and college among the students at the end of each academic year from the Alumni students
2	Exit survey	Once in a year	Collect variety of information about program Satisfaction and college from the final year students.
3	Employer feedback	Once in a year	Employer Survey conducted among employers both as formal and informal mode of communication to collect
4	Parents feedback	Once in a year	Collect variety of information about outcome based education (OBE) in teaching and learning process from the students parents
5	Professional Society member Feedback	Once in a year	Professional Society member Survey conducted formal and informal mode of communication to collect variety of information about the graduates' skills, capabilities and opportunities.

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Electronics and Communication Engineering

2019-23 PO/PSO Direct Attainment

S.NO	Course Title	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	Mathematics – I	R18MTH1101	2.42	2.42	2.90	2.78	-	-	-	-	-	-	-	1.42	2.41	0.96	2.91
2	Applied Physics	R18EAP1101	2.25	2.28	2.28	2.29	1.13	-	0.76	-	-	-	-	1.13	0.38	2.28	1.53
3	PPS	R18CSE1101	1.40	0.93	0.93	0.47	1.40	-	-	-	0.47	-	-	-	0.47	1.40	-
4	Engineering Graphics	R18MED1102	1.08	0.72	1.08	-	1.08	-	-	-	-	-	-	1.08	1.08	1.08	0.72
5	Applied Physics Lab	R18EAP12L1	2.44	2.44	2.44	2.44	1.22	-	0.81	-	-	-	-	1.22	0.41	2.44	1.63
6	PPS LAB	R18CSE12L1	1.10	0.71	0.71	0.36	1.07	-	-	-	0.36	-	-	-	0.36	1.08	-
7	Mathematics – II	R18MTH1201	2.15	2.58	2.58	2.58	1.29	1.29	-	-	-	-	0.43	0.86	2.15	1.29	2.58
8	Chemistry	R18ECH1101	1.86	2.79	2.33	-	-	-	2.79	-	-	-	-	-	1.40	1.40	-
9	BEE	R18EEE1101	2.21	2.21	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.21	2.65	2.21	2.21	2.21
10	Engineering Workshop	R18MED1101	1.47	1.47	1.47	0.49	1.47	-	-	1.47	-	-	0.98	-	1.47	-	1.47
11	English	R18HAS1101	-	-	1.98	1.09	1.13	1.90	1.09	1.09	1.09	1.93	-	1.90	-	-	-
12	EC Lab	R18ECH12L1	2.40	2.40	-	-	-	1.42	2.14	-	0.94	-	-	1.42	1.43	2.83	-
13	ELCS Lab	R18HAS12L1	0.85	0.85	0.85	0.85	-	0.85	0.85	0.85	2.12	2.11	0.85	2.11	0.85	0.85	0.85
14	BEE Lab	R18EEE12L2	2.03	2.03	-	-	-	2.03	2.03	-	2.03	-	-	2.03	2.03	2.03	-
15	EDC	R18ECE2101	2.31	2.15	1.19	1.59	2.35	-	0.40	0.32	0.36	0.40	-	-	2.31	1.59	1.16
16	Network Theory	R18EEE2107	1.23	2.46	0.41	1.23	1.23	-	0.41	-	-	-	-	-	-	-	1.23
17	Digital Logic Design	R18ECE2102	2.39	0.80	2.39	1.20	2.39	0.40	0.40	-	0.40	-	-	1.19	2.39	1.99	1.20
18	Signals and Systems	R18ECE2103	1.64	1.96	0.98	0.98	1.96	-	0.33	0.33	0.33	-	0.33	-	1.97	1.31	0.98
19	PTSP	R18ECE2104	2.39	2.39	0.40	0.40	2.39	0.40	0.40	0.40	0.40	0.40	-	-	1.59	1.19	1.19
20	EDC Lab	R18ECE21L1	2.53	2.53	0.42	1.27	2.53	0.42	0.42	0.42	0.42	0.42	-	-	1.69	0.42	2.11
21	DLD Lab	R18ECE21L2	2.11	0.35	1.05	2.11	2.11	-	0.35	0.35	1.05	0.35	-	0.35	2.11	1.05	0.35
22	BS Lab	R18ECE21L3	1.96	1.96	1.64	0.98	1.95	0.33	0.33	0.33	0.33	0.33	-	-	1.96	1.31	1.30
23	LT, NM & CV	R18MTH2201	2.03	1.99	0.82	1.19	1.21	-	-	-	-	-	-	0.40	-	-	-
24	EMTL	R18ECE2201	2.46	2.46	1.23	0.41	2.46	0.41	0.41	0.41	0.41	0.41	-	-	2.46	1.23	2.46
25	ADC	R18ECE2202	1.09	2.18	-	1.09	1.09	-	0.36	-	-	-	-	-	1.09	-	1.09
26	LDIC	R18ECE2203	1.50	1.13	1.50	0.75	2.25	-	-	0.37	0.37	0.37	0.38	0.38	0.75	1.12	1.12
27	ECA	R18ECE2204	1.78	2.67	2.67	2.67	1.33	-	-	0.44	0.44	0.45	0.44	0.45	1.78	0.89	1.33
28	ADC Lab	R18ECE22L1	0.75	2.25	1.12	1.12	1.12	-	-	0.37	1.12	1.12	-	-	1.12	0.75	1.13
29	ICA Lab	R18ECE22L2	1.46	1.47	0.49	1.46	1.46	-	0.48	0.49	1.46	0.49	-	-	1.46	0.49	0.97
30	ECA Lab	R18ECE22L3	1.22	1.23	0.41	1.21	1.23	-	0.42	0.40	1.24	0.39	-	-	1.22	-	0.41
31	BEFA	R18MBA2201	-	0.38	0.38	-	1.13	-	0.38	0.38	0.38	0.38	0.75	0.38	0.38	0.38	0.38
32	MPMC	R18ECE3101	1.78	2.64	1.79	1.34	1.34	0.45	-	0.44	0.44	0.45	0.45	0.45	1.78	0.44	2.68
33	DCN	R18INF3103	2.08	0.83	0.60	0.88	0.90	-	-	0.17	0.17	0.17	0.17	0.17	2.08	0.17	1.33
34	CS	R18EEE2202	2.45	2.65	0.43	0.47	2.74	0.43	-	0.47	0.47	0.47	-	-	1.60	0.45	2.81
35	COOS	R18CSE3114	1.78	1.34	2.23	2.23	2.68	-	0.45	0.45	0.45	-	0.45	-	0.89	1.34	1.34
36	MPMC Lab	R18ECE31L1	2.35	1.41	2.82	2.82	1.41	0.47	-	0.47	0.47	0.47	0.47	0.47	2.82	1.88	1.41
37	DCN Lab	R18INF31L2	2.38	1.95	1.46	-	1.42	0.47	-	0.47	0.47	0.45	-	0.45	2.38	0.95	1.43
38	ACS Lab	R18HAS31L1	-	0.47	-	-	1.42	-	-	0.47	0.48	2.84	0.47	0.47	-	-	0.48
39	AWP	R18ECE3201	1.55	1.17	1.10	1.94	1.82	-	-	0.33	0.33	0.39	-	0.33	1.16	0.39	0.93
40	DSP	R18ECE3202	0.94	1.15	0.94	1.01	1.46	0.08	-	0.05	0.07	0.08	0.08	0.08	1.02	1.73	-
41	VLSI Design	R18ECE3203	1.74	1.74	2.61	2.61	1.30	0.43	0.43	0.43	0.43	-	0.43	0.43	1.74	0.87	1.30
42	ESD	R18ECE3221	1.88	2.26	0.36	2.14	2.14	-	0.36	0.38	0.38	1.13	1.05	-	2.24	1.09	2.14
43	CE	R18ECE3273	2.46	1.48	1.45	0.47	1.46	-	-	0.47	0.47	0.47	0.49	-	2.46	1.46	2.93
44	DSP Lab	R18ECE32L1	1.83	1.13	1.87	0.32	1.81	0.30	-	0.30	0.30	0.30	0.30	0.30	1.47	1.15	0.88
45	e-CAD Lab	R18ECE32L2	1.70	0.44	-	1.29	1.25	-	0.44	0.39	0.43	0.43	-	-	2.1	1.26	0.44
46	MWE & OC	R18ECE4101	2.53	1.27	2.11	1.26	1.26	0.42	-	-	0.42	-	-	-	1.69	-	1.27
47	PPLE	R18HAS4101	-	-	-	-	-	2.73	1.36	2.71	1.36	1.35	0.45	0.90	-	-	-
48	DIP	R18ECE4131	1.99	1.99	1.22	1.22	2.46	-	0.41	0.41	0.40	0.41	1.20	0.41	2.43	2.40	2.46
49	CMC	R18ECE4141	1.85	1.93	0.37	2.32	2.29	-	0.39	0.37	0.39	1.08	1.16	-	1.08	1.16	1.16
50	PMCS	R18ECE4183	2.14	1.28	1.28	1.29	0.43	-	-	0.43	0.43	0.42	-	-	1.29	0.43	1.29
51	MWE & OC Lab	R18ECE41L1	1.54	2.27	1.11	1.16	1.92	-	0.39	0.17	0.17	0.31	-	-	0.39	0.39	0.39
52	SC	R18ECE4251	2.18	1.45	1.09	1.45	2.18	-	0.73	0.36	0.36	0.36	0.36	-	2.18	1.09	2.18
53	RADAR	R18ECE4263	-	2.53	0.42	1.27	2.29	-	0.34	0.42	0.42	0.42	0.42	-	1.23	0.39	2.29

54	AVE	R18ECE4293	0.80	0.40	-	0.40	1.20	-	0.40	-	-	-	-	-	0.40	-	1.19
	Curriculam average mapping		**1.85**	**1.69**	**1.37**	**1.38**	**1.66**	**0.89**	**0.75**	**0.56**	**0.64**	**0.71**	**0.62**	**0.87**	**1.54**	**1.20**	**1.44**
	No.of. courses mapped		**49**	**52**	**47**	**46**	**48**	**20**	**32**	**38**	**43**	**34**	**23**	**27**	**49**	**44**	**45**

ALUMNI FEEDBACK FORM

We shall be thankful to and appreciate you, if you can spare some of your valuable time to fill up this feedback form and give us your valuable suggestions for further improvement of the Institute. Your valuable inputs will be of great use to improve the quality of our academic programs and enhance the credibility of the Institute. Hence your feedback on Institute will help us to improve our approach in Academics.

Name of the Alumni			
Degree [√]	B.Tech ☐		M. Tech ☐
Branch			
Passing Year			

Professional Details

Organization Name			
Designation		E-Mail:	
Joined Year		Cell No:	

Dear Alumni,
Please give your overall assessment of our Institute academics. Please rate us on following criterion :
1.Unsatisfactory(US), 2. Satisfactory(S), 3. Fair(F), 4. Good(G), 5. Very Good(VG)

Sr.	Details	VG	G	F	S	US
1	Environment					
2	Infrastructure & Lab facilities					
3	Faculty					
4	Project Guidance					
5	Advanced Tools & Equipment					
6	Quality of support material					
7	Training & Placement					
8	Library					
9	Alumni Association/ Network of Old Friends					

Please suggest any skills you want our Institute should focus on for grooming of students. All of your suggestions are welcome.

Suggestions:
Relevance of curriculum in your Job:

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Need any change in curriculum and syllabus:

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Improvements in teaching and learning Process:

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Have you learned the basic concept through your Project?

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PROGRAM EDUCATIONAL OBJECTIVES

PEO	Statement	3	2	1	COMMENTS
PEO1	Higher Degree & Professional Employment	☐	☐	☐	
PEO2	Domain Knowledge	☐	☐	☐	
PEO3	Engineering Career	☐	☐	☐	
PEO4	Lifelong Learning	☐	☐	☐	

PO	PROGRAM OUTCOMES	3	2	1
1	Engineering knowledge: [illegible]	☐	☐	☐
2	Problem analysis: [illegible]	☐	☐	☐
3	Design/development of solutions: [illegible]	☐	☐	☐
4	Conduct investigations of complex problems: [illegible]	☐	☐	☐
5	Modern Tool Usage: [illegible]	☐	☐	☐
6	The Engineer and Society: [illegible]	☐	☐	☐
7	Environment and Sustainability: [illegible]	☐	☐	☐
8	Ethics: [illegible]	☐	☐	☐
9	Individual and Team Work: [illegible]	☐	☐	☐
10	Communication: [illegible]	☐	☐	☐
11	Project Management and Finance: [illegible]	☐	☐	☐
12	Life-long Learning: [illegible]	☐	☐	☐
PSO1	[illegible]	☐	☐	☐
PSO2	[illegible]	☐	☐	☐
PSO3	[illegible]	☐	☐	☐

Any other Comments:

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Signature with Date

OUTGOING STUDENTS EXIT SURVEY	
HT. NO:	NAME:
DEGREE:	DATE:

Questionnaire

Dear Student,

Sri Indu College of Engineering and Technology has developed this survey as an aid to assess the effectiveness of its programmes. The department is deeply committed to ongoing quality improvement, and this survey is an integral part of our assessment process. Please help us in this endeavor by taking a few minutes to complete the survey. Thank you for your cooperation.

Please provide overall experience during your period of study in SICET in the area of academic, infrastructure and support system help us to improve the process and serve the students efficiently.

Academic Experience:

S. No	Parameter	5	4	3	2	1
1	Curriculum and Syllabi of the Course					
2	Extent of Syllabi covered in the class					
3	Course delivery by faculty member in the class					
4	Usage of teaching aids and ICT in the class by the faculty					
5	Fairness in the Assessment Process (Mid Test, Quiz, Assignments, etc.,)					
6	Timely announcement of Examination Results					
7	Opportunities in the department for Research Activities					
8	Opportunity for students to participate in internship, industrial visit and IPT					
9	Opportunities for out of classroom learning (Guest Lecture, Workshop, Seminar, Value added programmes, Conferences and competitions)					
10	Overall Learning experience					

Infrastructure:

S. No	Parameter	5	4	3	2	1
1	Class Room Facilities					
2	Laboratories Facilities					
3	Library Reading Materials and E-Resources					
4	Internet Facility					
5	Learning Management System					
6	Sports Facility					
7	Food Outlets/Canteen					
8	Drinking Water Facility					
9	Wash Room Facilities					
10	Stationery Store/ Photocopying Facility					

Support System:

S. No	Parameter	5	4	3	2	1
1	Support Received from Proctor					
2	Experience with Administrative Staff					
3	Experience with Students Welfare office					
4	Placement and Training Cell					
5	Health Care Facility					
6	Opportunities provided by SICET to inculcate soft skills, life skills and employability skills					

PROGRAM EDUCATIONAL OBJECTIVES

SNO	Statements	3	2	1	COMMENTS
PEO1	**Higher Degrees & Professional Employment**	☐	☐	☐	
PEO2	**Domain Knowledge**	☐	☐	☐	
PEO3	**Engineering Career**	☐	☐	☐	
PEO4	**Lifelong Learning**	☐	☐	☐	

PO	PROGRAM OUTCOMES	3	2	1
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 multi-disciplinary 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 multi-disciplinary 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.	☐	☐	☐
PSO1	**Basic Electronic and communication Knowledge**: Apply basic knowledge related to electronic circuits, VLSI, communication systems, signal processing and embedded systems to solve engineering societal problems.	☐	☐	☐
PSO2	**Design Methods**: Design, verify and authenticate electronic functional elements for different applications, with skills to interpret and communicate results.	☐	☐	☐
PSO3	**Experimentation & Communication**: Engineering and management concepts are used to analyze specifications and prototype electronic experiments/projects either independently or in teams.	☐	☐	☐

Any other Comments:

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Signature with Date

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Electronics and Communication Engineering

Summary of PO Attainment based on Indirect method

ACADEMIC YEAR 2022-2023

ALUMNI FEEDBACK :: TOTAL -110															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	28	26	30	28	30	28	29	27	29	30	28	29	28	30	31
2	42	44	44	44	40	42	43	43	42	40	42	42	40	42	42
3	40	40	36	38	40	40	40	40	41	40	40	39	42	38	37
Total Score	232	234	226	230	230	232	235	233	236	230	232	230	234	228	226
Weighted Average	2.11	2.13	2.05	2.09	2.09	2.11	2.14	2.12	2.15	2.09	2.11	2.09	2.13	2.07	2.05

EXIT SURVEY :: TOTAL NO.OF STUDENTS-220															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	80	84	82	84	82	80	83	80	80	82	84	85	89	84	80
2	70	70	70	70	68	68	70	66	74	70	68	70	70	70	68
3	70	66	68	66	70	72	67	74	66	68	68	65	61	66	72
Total Score	430	422	426	422	428	432	424	434	426	426	424	420	412	422	432
Weighted Average	1.95	1.92	1.94	1.92	1.95	1.96	1.93	1.97	1.94	1.94	1.93	1.91	1.87	1.92	1.96

EMPLOYER FEEDBACK :: TOTAL -30															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	19	10	14	9	13	15	14	14	10	13	13	12	14	15	12
2	7	15	3	11	10	8	9	10	10	10	11	10	10	8	9
3	4	5	13	10	7	7	7	6	10	7	6	8	6	7	9
Total Score	45	55	59	61	54	52	53	52	60	54	53	56	52	52	57
Weighted Average	1.50	1.83	1.97	2.03	1.80	1.73	1.77	1.73	2.00	1.80	1.77	1.87	1.73	1.73	1.90

PARENTS FEEDBACK :: TOTAL -30															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	11	12	12	10	11	11	10	10	11	11	10	10	11	10	11
2	9	9	9	9	9	9	9	9	9	9	10	9	9	11	9
3	10	9	9	11	10	10	11	11	10	10	10	11	10	9	10
Total Score	59	57	57	61	59	59	61	61	59	59	60	61	59	59	59
Weighted Average	1.97	1.90	1.90	2.03	1.97	1.97	2.03	2.03	1.97	1.97	2.00	2.03	1.97	1.97	1.97

PROFESSIONAL SOCIETY MEMBERS FEEDBACK :: TOTAL -20

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	10	11	9	11	9	9	9	11	11	12	11	11	9	9	10
2	7	7	8	7	8	7	8	5	6	7	8	8	8	7	7
3	3	2	3	2	3	4	3	4	3	1	1	1	3	4	3
Total Score	33	31	34	31	34	35	34	33	32	29	30	30	34	35	33
Weighted Average	1.65	1.55	1.70	1.55	1.70	1.75	1.70	1.65	1.60	1.45	1.50	1.50	1.70	1.75	1.65

Summary of attainment based on indirect method															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ASSESSMENT MODES	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
ALUMNI FEEDBACK	2.11	2.13	2.05	2.09	2.09	2.11	2.14	2.12	2.15	2.09	2.11	2.09	2.13	2.07	2.05
EXIT SURVEY	1.95	1.92	1.94	1.92	1.95	1.96	1.93	1.97	1.94	1.94	1.93	1.91	1.87	1.92	1.96
EMPLOYER FEEDBACK	1.50	1.83	1.97	2.03	1.80	1.73	1.77	1.73	2.00	1.80	1.77	1.87	1.73	1.73	1.90
PARENTS FEEDBACK	1.97	1.90	1.90	2.03	1.97	1.97	2.03	2.03	1.97	1.97	2.00	2.03	1.97	1.97	1.97
PROFESSIONAL SOCIETY ME	1.65	1.55	1.70	1.55	1.70	1.75	1.70	1.65	1.60	1.45	1.50	1.50	1.70	1.75	1.65
AVERAGE	1.84	1.87	1.91	1.93	1.90	1.90	1.91	1.90	1.93	1.85	1.86	1.88	1.88	1.89	1.91

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY
Department of Electronics and Communication Engineering
2019-23 PO/PSO Overall Attainment

3.3.2 b: Indirect PO & PSO Attainment (2019-23):

Summary of attainment based on indirect method															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ASSESSMENT MODES	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
ALUMNI FEEDBACK	2.11	2.13	2.05	2.09	2.09	2.11	2.14	2.12	2.15	2.09	2.11	2.09	2.13	2.07	2.05
EXIT SURVEY	1.95	1.92	1.94	1.92	1.95	1.96	1.93	1.97	1.94	1.94	1.93	1.91	1.87	1.92	1.96
EMPLOYER FEEDBACK	1.50	1.83	1.97	2.03	1.80	1.73	1.77	1.73	2.00	1.80	1.77	1.87	1.73	1.73	1.90
PARENTS FEEDBACK	1.97	1.90	1.90	2.03	1.97	1.97	2.03	2.03	1.97	1.97	2.00	2.03	1.97	1.97	1.97
PROFESSIONAL SOCIETY MEMBER FEEDBACK	1.65	1.55	1.70	1.55	1.70	1.75	1.70	1.65	1.60	1.45	1.50	1.50	1.70	1.75	1.65
AVERAGE	1.84	1.87	1.91	1.93	1.90	1.90	1.91	1.90	1.93	1.85	1.86	1.88	1.88	1.89	1.91

PO & PSO Overall Attainment (2018-22):

80% of direct attainment and 20% of indirect attainment is considered for calculating the Overall PO/PSO attainment.

PO/PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
2019-23 PO/PSO Direct Attainment	**1.85**	**1.69**	**1.37**	**1.38**	**1.66**	**0.89**	**0.75**	**0.56**	**0.64**	**0.71**	**0.62**	**0.87**	**1.54**	**1.20**	**1.44**
80% of Direct Attainment	1.48	1.35	1.10	1.10	1.33	0.71	0.60	0.45	0.51	0.57	0.50	0.69	1.23	0.96	1.15
2019-23 PO/PSO Indirect Attainment	**1.84**	**1.87**	**1.91**	**1.93**	**1.90**	**1.90**	**1.91**	**1.90**	**1.93**	**1.85**	**1.86**	**1.88**	**1.88**	**1.89**	**1.91**
20% of Indirect Attainment	0.37	0.37	0.38	0.39	0.38	0.38	0.38	0.38	0.39	0.37	0.37	0.38	0.38	0.38	0.38
Overall PO/PSO Attainment= 80% of Direct Attainment+ 20% of Indirect Attainment	1.84	1.73	1.48	1.49	1.71	1.10	0.98	0.83	0.90	0.94	0.87	1.07	1.61	1.33	1.53

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY															
Department of Electronics and Communication Engineering															
2019-23 PO/PSO Target Attainment															
POS/PSOS	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**	**PSO3**
2019-2023 DIRECT ATTAINMENTS	**1.85**	**1.69**	**1.37**	**1.38**	**1.66**	**0.89**	**0.75**	**0.56**	**0.64**	**0.71**	**0.62**	**0.87**	**1.54**	**1.20**	**1.44**
80% OF DIRECT ATTAINMENT	1.48	1.35	1.10	1.10	1.33	0.71	0.60	0.45	0.51	0.57	0.50	0.69	1.23	0.96	1.15
2021-2022 IN DIRECT ATTAINMENTS	**1.84**	**1.87**	**1.91**	**1.93**	**1.90**	**1.90**	**1.91**	**1.90**	**1.93**	**1.85**	**1.86**	**1.88**	**1.88**	**1.89**	**1.91**
20% OF INDIRECT ATTAINMENTS	0.37	0.37	0.38	0.39	0.38	0.38	0.38	0.38	0.39	0.37	0.37	0.38	0.38	0.38	0.38
TOTAL PO ATTAINMENTS(80% OF DIRECT ATTAINMENTS+20% OF INDIRECT ATTAINMENTS	**1.84**	**1.73**	**1.48**	**1.49**	**1.71**	**1.10**	**0.98**	**0.83**	**0.90**	**0.94**	**0.87**	**1.07**	**1.61**	**1.33**	**1.53**
TOTAL PO ATTAINMENT(2018-22)	1.69	1.74	1.47	1.53	1.72	0.98	0.99	0.83	0.89	0.91	0.94	0.98	1.62	1.31	1.52
TOTAL PO ATTAINMENT(2017-21)	1.92	1.96	1.52	1.56	1.94	0.84	0.87	0.79	0.81	0.85	0.9	0.98	1.61	1.45	1.65
TOTAL PO ATTAINMENT(2016-20)	1.97	1.83	1.53	1.50	1.97	0.75	0.92	0.80	0.74	0.77	0.89	0.88	1.66	1.37	1.67
TARGET(2019-2023)	**1.86**	**1.84**	**1.51**	**1.53**	**1.88**	**0.86**	**0.93**	**0.81**	**0.81**	**0.84**	**0.91**	**0.95**	**1.63**	**1.38**	**1.61**
SET TARGET	**2.36**	**2.34**	**2.01**	**2.03**	**2.38**	**1.36**	**1.43**	**1.31**	**1.31**	**1.34**	**1.41**	**1.45**	**2.13**	**1.88**	**2.11**
STATUS	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Electronics and Communication Engineering

COURSE OUTCOMES

I YEAR ECE SEMESTER - I (REGULATION – R18)

ACADEMIC YEAR: 2019 - 2020

Course Code & Name: R18MTH1101 –Mathematics–I

COURSE OUTCOME ATTAINMENT							
CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained		
CO1	2.4	59.8	2.9	67	3	2.93	**2.88 (Attained)**
CO2		59.8	2.9	73	3	2.93	
CO3		59.8	2.9	81	3	2.93	
CO4		59.8	2.9	88	3	2.93	
CO5		59.8	2.9	55	2	2.63	
CO6		59.8	2.9	85	3	2.93	

Course Code & Name: R18EAP1101 –AppliedPhysics

COURSE OUTCOME ATTAINMENT							
CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.4	49.7	2	76	3	2.3	**2.27 (Not Attained)**
CO2		49.7	2	55	2.5	2.15	
CO3		49.7	2	76	3	2.3	
CO4		49.7	2	70	3	2.3	
CO5		49.7	2	63	3	2.3	
CO6		49.7	2	76	3	2.3	

Course Code & Name: R18CSE1101-Programming forProblemSolving

COURSE OUTCOME ATTAINMENT							
CO's		End Exam		Internal Assessment		CO Attainment	Overall

	Target%	Attained %	Attained level	Attained %	Attained level		Attainment
CO1	2.4	57.3	2.7	74	3	2.79	**2.79 (Attained)**
CO2		57.3	2.7	80	3	2.79	
CO3		57.3	2.7	72	3	2.79	
CO4		57.3	2.7	69	3	2.79	
CO5		57.3	2.7	69	3	2.79	
CO6		57.3	2.7	78	3	2.79	

Course Code & Name: R18MED1102-EngineeringGraphics

COURSE OUTCOME ATTAINMENT							
CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.6	49.2	1.9	83	3	2.23	**2.15 (Not Attained)**
CO2		49.2	1.9	99	3	2.23	
CO3		49.2	1.9	67	3	2.23	
CO4		49.2	1.9	44	1.4	1.75	
CO5		49.2	1.9	84	3	2.23	
CO6		49.2	1.9	81	3	2.23	

Course Code & Name: R18EAP12L1 – AppliedPhysicsLab

COURSE OUTCOME ATTAINMENT							
CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.5	52.2	2.2	71.6	3	2.44	**2.44(Not Attained)**
CO2		52.2	2.2	72.2	3	2.44	
CO3		52.2	2.2	71.6	3	2.44	
CO4		52.2	2.2	84.2	3	2.44	
CO5		52.2	2.2	84.2	3	2.44	
CO6		52.2	2.2	84.2	3	2.44	

Course Code & Name:R18CSE12L1 –ProgrammingforProblemSolvingLab

COURSE OUTCOME ATTAINMENT					

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.2	58.8	1.9	70.6	3	**2.23**	**2.13(Not Attained)**
CO2		58.8	1.9	65.8	2	**1.93**	
CO3		58.8	1.9	60.4	2	**1.93**	
CO4		58.8	1.9	75.4	3	**2.23**	
CO5		58.8	1.9	73	3	**2.23**	
CO6		58.8	1.9	70.6	3	**2.23**	

COURSE OUTCOMES
I YEAR ECE SEMESTER - II (REGULATION – R18)
ACADEMIC YEAR: 2019– 2020

Course Code & Name:R18MTH1201-Mathematics– II

COURSE OUTCOME ATTAINMENT							
CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.6	57.7	2.86	79	3	2.58	**2.58 Attained)**
CO2		57.7	2.86	70	3	2.58	
CO3		57.7	2.86	87	3	2.58	
CO4		57.7	2.86	81	3	2.58	
CO5		57.7	2.86	82	3	2.58	
CO6		57.7	2.86	79	3	2.58	

Course Code & Name: R18ECH1101-Chemistry

COURSE OUTCOME ATTAINMENT							
CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1		69	2.9	82.2	3	2.93	

CO2	2.6	69	2.9	75	3	2.93	**2.93 (Attained)**
CO3		69	2.9	51.6	1	2.33	
CO4		69	2.9	90.6	3	2.93	
CO5		69	2.9	90.6	3	2.93	
CO6		69	2.9	90.6	3	2.93	

Course Code & Name: R18EEE1101-BasicElectricalEngineering

COURSE OUTCOME ATTAINMENT							
CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	**Attained %**	**Attained level**	**Attained %**	**Attained level**		
CO1	2.6	55.55	2.5	75	3	2.65	**2.53 (NOT Attained)**
CO2		55.55	2.5	70	3	2.51	
CO3		55.55	2.5	84	3	2.51	
CO4		55.55	2.5	77	3	2.51	
CO5		55.55	2.5	79	3	2.51	
CO6		55.55	2.5	75	3	2.51	

Course Code & Name:R18MED1101-EngineeringWorkshop

COURSE OUTCOME ATTAINMENT							
CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	**Attained %**	**Attained level**	**Attained %**	**Attained level**		
CO1	2.5	88	3	73	3	2.95	**2.95(Attained)**
CO2		83	3	73	3	2.95	
CO3		78	3	73	3	2.95	
CO4		67	3	73	3	2.94	
CO5		82	3	73	3	2.95	
CO6		92	3	73	3	2.95	

Course Code & Name:R18HAS1101-English

COURSE OUTCOME ATTAINMENT							
CO's		End Exam		Internal Assessment		CO Attainment	Overall

	Target%	Attained %	Attained level	Attained %	Attained level		Attainment
CO1	2	62.8	2.1	66	3	2.37	**2.27 (Not Attained)**
CO2		62.8	2.1	49	1	1.77	
CO3		62.8	2.1	77	3	2.37	
CO4		62.8	2.1	87	3	2.37	
CO5		62.8	2.1	69	3	2.37	
CO6		62.8	2.1	77	3	2.37	

Course Code & Name: R18ECH12L1-EngineeringChemistryLab

COURSE OUTCOME ATTAINMENT							
CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.6	69	2.9	82.2	3	2.93	**2.93 (Attained)**
CO2		69	2.9	75	3	2.93	
CO3		69	2.9	51.6	1	2.33	
CO4		69	2.9	90.6	3	2.93	
CO5		69	2.9	90.6	3	2.93	
CO6		69	2.9	90.6	3	2.93	

Course Code & Name: R18HAS12L1-EnglishLanguageandCommunicationSkillsLab

COURSE OUTCOME ATTAINMENT							
CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.2	64	2.4	83	3	2.53	**2.53(Attained)**
CO2		64	2.4	79	3	2.53	
CO3		64	2.4	78	3	2.53	
CO4		64	2.4	87	3	2.53	
CO5		64	2.4	84	3	2.53	
CO6		64	2.4	79	3	2.53	

Course Code & Name: R18EEE12L2-BasicElectricalEngineeringLab

COURSE OUTCOME ATTAINMENT							
CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.5	62.00	2.2	73.2	3	**2.44**	**2.4(Not Attained)**
CO2		62.00	2.2	73.2	3	**2.44**	
CO3		62.00	2.2	73.2	3	**2.44**	
CO4		62.00	2.2	73.8	3	**2.44**	
CO5		62.00	2.2	73.8	3	**2.44**	
CO6		62.00	2.2	73.8	3	**2.44**	

COURSE OUTCOMES
II YEAR ECE SEMESTER - I (REGULATION – R18)
ACADEMIC YEAR: 2020 – 2021

Course Name & Code: R18ECE2101-ElectronicDevicesandCircuits

		COURSE OUTCOME ATTAINMENT					
CO's		**End Exam**		**Internal Assessment**		**CO Attainment**	**Overall Attainment**
	Target%	**Attained %**	**Attained level**	**Attained %**	**Attained level**		
CO1	2.5	52.5	2.2	84	3	2.39	**2.31 (NOT ATTAINED)**
CO2		52.5	2.2	78	3	2.39	
CO3		52.5	2.2	90	3	2.38	
CO4		52.5	2.2	81	3	2.39	
CO5		52.5	2.2	100	3	2.39	
CO6		52.5	2.2	44	1	1.92	

Course Code & Name:R18EEE2107-NetworkTheory

COURSE OUTCOME ATTAINMENT							
CO's		**End Exam**		**Internal Assessment**		**CO**	**Overall**

	Target%	Attained %	Attained level	Attained %	Attained level	Attainment	Attainment
CO1	2.6	52.9	2.3	86	3	2.46	**2.46(NOT ATTAINED)**
CO2		52.9	2.3	77	3	2.46	
CO3		52.9	2.3	75	3	2.46	
CO4		52.9	2.3	79	3	2.46	
CO5		52.9	2.3	60	3	2.45	
CO6		52.9	2.3	88	3	2.46	

Course Code & Name:R18ECE2102-DigitalLogicDesign

COURSE OUTCOME ATTAINMENT							
CO's		**End Exam**		**Internal Assessment**		**CO Attainment**	**Overall Attainment**
	Target%	**Attained %**	**Attained level**	**Attained %**	**Attained level**		
CO1	2.1	52.3	2.2	85	3	2.38	**(2.39 NOT ATTAINED)**
CO2		52.3	2.2	90	3	2.39	
CO3		52.3	2.2	73	3	2.39	
CO4		52.3	2.2	73	3	2.40	
CO5		52.3	2.2	80	3	2.40	
CO6		52.3	2.2	71	3	2.39	

Course Code & Name:R18ECE2103-SignalsandSystems

COURSE OUTCOME ATTAINMENT							
CO's		**End Exam**		**Internal Assessment**		**CO Attainment**	**Overall Attainment**
	Target%	**Attained %**	**Attained level**	**Attained %**	**Attained level**		
CO1		46.2	1.6	85	3	1.97	
CO2		46.2	1.6	86	3	1.97	

CO3	2.2	46.2	1.6	81	3	1.96	**1.92(NOT ATTAINED)**
CO4		46.2	1.6	73	3	1.72	
CO5		46.2	1.6	62	3	1.96	
CO6		46.2	1.6	88	3	1.96	

Course Code & Name:R18ECE2104-ProbabilityTheoryandStochasticProcesses

		COURSE OUTCOME ATTAINMENT					
CO's		**End Exam**		**Internal Assessment**		**CO Attainment**	**Overall Attainment**
	Target%	**Attained %**	**Attained level**	**Attained %**	**Attained level**		
CO1	2.5	52.3	2.2	90	3	2.39	**2.39(NOT ATTAINED)**
CO2		52.3	2.2	90	3	2.39	
CO3		52.3	2.2	85	3	2.39	
CO4		52.3	2.2	63	3	2.38	
CO5		52.3	2.2	95	3	2.39	
CO6		52.3	2.2	75	3	2.39	

Course Code & Name:R18ECE21L1-ElectronicDevicesandCircuitsLab

COURSE OUTCOME ATTAINMENT							
CO's		**End Exam**		Internal Assessment		CO Attainment	Overall Attainment
	Target%	**Attained %**	**Attained level**	**Attained %**	**Attained level**		
CO1	2.2	64.1	3	96	3	**2.53**	**2.53**
CO2		64.1	3	95	3	**2.53**	
CO3		64.1	3	96	3	**2.53**	
CO4		64.1	3	98	3	**2.53**	**ATTAINED**
CO5		64.1	3	98	3	**2.53**	
CO6		64.1	3	98	3	**2.53**	

Course Code & Name:R18ECE21L2-DigitalLogic DesignLab

COURSE OUTCOME ATTAINMENT							
CO's	End Exam			Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.3	58.3	1.8	61	3	2.11	
CO2		58.3	1.8	60	3	2.10	**2.11**
CO3		58.3	1.8	61	3	2.11	**(NOT Attained)**
CO4		58.3	1.8	69	3	2.11	
CO5		58.3	1.8	73	3	2.11	
CO6		58.3	1.8	69	3	2.11	

Course Code & Name:R18ECE21L3-BasicSimulationLab

COURSE OUTCOME ATTAINMENT							
CO's	End Exam			Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.3	56.3	1.6	59	2.9	1.94	
CO2		56.3	1.6	59	2.9	1.95	**1.96**
CO3		56.3	1.6	60	3	1.97	**(NOT Attained)**
CO4		56.3	1.6	68	3	1.97	
CO5		56.3	1.6	71	3	1.97	
CO6		56.3	1.6	69	3	1.97	

COURSE OUTCOMES
II YEAR ECE SEMESTER - II (REGULATION – R18)
ACADEMIC YEAR: 2020 – 2021

Course Code & Name:R18MTH2201-LaplaceTransforms, NumericalMethods&ComplexVariables

COURSE OUTCOME ATTAINMENT

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.5	53.06	2	77	3	2.46	**2.42(NOT ATTAINED)**
CO2		53.06	2	76	3	2.46	
CO3		53.06	2	78	3	2.46	
CO4		53.06	2	79	3	2.46	
CO5		53.06	2	59	2	2.22	
CO6		53.06	2	67	3	2.46	

Course Code & Name:R18ECE2201-ElectromagneticTheoryAndTransmissionLines

COURSE OUTCOME ATTAINMENT							
CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.3	53.46	2.3	90	3	2.46	**2.46**
CO2		53.46	2.3	99	3	2.46	
CO3		53.46	2.3	79	3	2.45	
CO4		53.46	2.3	68	3	2.46	**ATTAINED**
CO5		53.46	2.3	74	3	2.46	
CO6		53.46	2.3	69	3	2.46	

Course Code & Name:R18ECE2202-AnalogandDigitalCommunications

COURSE OUTCOME ATTAINMENT							
CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.2	59.59	1.9	98	3	**2.17**	**2.18**
CO2		59.59	1.9	94	3	**2.18**	
CO3		59.59	1.9	78	3	**2.18**	

CO4	2.2	59.59	1.9	76	3	**2.17**	**NOT ATTAINED**
CO5		59.59	1.9	73	3	**2.18**	
CO6		59.59	1.9	76	3	**2.18**	

Course Code & Name:R18ECE2203-Linear andDigitalICApplications

COURSE OUTCOME ATTAINMENT

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.4	50.2	2	80	3	2.25	**2.25**
CO2		50.2	2	84	3	2.25	
CO3		50.2	2	71	3	2.24	
CO4		50.2	2	82	3	2.25	
CO5		50.2	2	91	3	2.25	**NOT ATTAINED**
CO6		50.2	2	69	3	2.25	

Course Code & Name:R18ECE2204-ElectronicCircuitAnalysis

COURSE OUTCOME ATTAINMENT

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.6	56.3	2.6	90	3	2.67	**2.50(NOT ATTAINED)**
CO2		56.3	2.6	68	3	2.67	
CO3		56.3	2.6	81	3	2.67	
CO4		56.3	2.6	63	3	2.67	
CO5		56.3	2.6	81	3	2.67	
CO6		56.3	2.6	62	3	2.67	

Course Code & Name:R18ECE22L1-AnalogandDigitalCommunicationsLab

COURSE OUTCOME ATTAINMENT

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.7	49.5	2	90	3	**2.25**	**2.25**
CO2		49.5	2	83	3	**2.25**	
CO3		49.5	2	93	3	**2.25**	
CO4		49.5	2	100	3	**2.24**	
CO5		49.5	2	100	3	**2.26**	**ATTAINED**
CO6		49.5	2	95	3	**2.25**	

Course Code & Name:R18ECE22L2-ICApplicationsLab

COURSE OUTCOME ATTAINMENT

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	3	69.39	3	89	3	**2.92**	**2.92**
CO2		69.39	3	91	3	**2.95**	
CO3		69.39	3	92	3	**2.95**	
CO4		69.39	3	98	3	**2.87**	
CO5		69.39	3	91	3	**2.90**	**NOT ATTAINED**
CO6		69.39	3	96	3	**2.95**	

Course Code & Name:R18ECE22L3-ElectronicCircuitAnalysisLab

COURSE OUTCOME ATTAINMENT

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	1.5	66.12	2.6	54	1.4	**2.28**	**2.46**
CO2		66.12	2.6	54	1.4	**2.28**	
CO3		66.12	2.6	55	1.5	**2.31**	
CO4		66.12	2.6	75	3	**2.67**	
CO5		66.12	2.6	73	3	**2.66**	**ATTAINED**

CO6		66.12	2.6	66	2.6	**2.57**	

COURSE OUTCOMES
III YEAR ECE SEMESTER - I (REGULATION – R18)
ACADEMIC YEAR: 2012 – 2022

Course Code & Name:R18MBA2201-BusinessEconomics&FinancialAnalysis

COURSE OUTCOME ATTAINMENT

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.3	59.5	2	71	3	2.26	**2.26(Not ATTAINED)**
CO2		59.5	2	82	3	2.26	
CO3		59.5	2	62	3	2.26	
CO4		59.5	2	93	3	2.26	
CO5		59.5	2	89	3	2.26	
CO6		59.5	2	71	3	2.26	

Course Code & Name:R18ECE3101-Microprocessors&Microcontrollers

COURSE OUTCOME ATTAINMENT

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.7	55.91	2.6	81	3	2.68	**2.66(Not Attained)**
CO2		55.91	2.6	73	3	2.68	
CO3		55.91	2.6	56	2.6	2.58	
CO4		55.91	2.6	67	3	2.68	
CO5		55.91	2.6	75	3	2.68	
CO6		55.91	2.6	68	3	2.68	

Course Code & Name:R18INF3103-DataCommunicationsand Networks

COURSE OUTCOME ATTAINMENT

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.2	48.5	1.8	84	3	2.12	**2.12(NOT ATTAINED)**
CO2		48.5	1.8	88	3	2.12	
CO3		48.5	1.8	83	3	2.12	
CO4		48.5	1.8	54	2.4	2.11	
CO5		48.5	1.8	63	3	2.12	
CO6		48.5	1.8	72	3	2.12	

Course Code & Name: R18EEE2202-ControlSystems

COURSE OUTCOME ATTAINMENT

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained	Attained %	Attained		
CO1	2.7	58.2	2.8	59	2	2.33	**2.61(ATTAINED)**
CO2		58.2	2.8	58	2	2.33	
CO3		58.2	2.8	74	3	2.81	
CO4		58.2	2.8	65	3	2.57	
CO5		58.2	2.8	77	3	2.82	
CO6		58.2	2.8	100	3	2.82	

Course Code & Name: R18CSE3114-ComputerOrganization&OperatingSystems

COURSE OUTCOME ATTAINMENT

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained		
CO1	2.7	56.32	2.6	75	3	2.67	**2.67(NotAttained)**
CO2		56.32	2.6	56	3	2.68	
CO3		56.32	2.6	76	3	2.68	
CO4		56.32	2.6	97	3	2.68	

CO5		56.32	2.6	69	3	2.68	
CO6		56.32	2.6	63	3	2.68	

Course Code & Name:R18ECE31L1-Microprocessors&MicrocontrollersLab

COURSE OUTCOME ATTAINMENT							
CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained		
CO1	2.7	68.16	2.8	97	3	**2.82**	**2.82**
CO2		68.16	2.8	97	3	**2.82**	
CO3		68.16	2.8	97	3	**2.82**	
CO4		68.16	2.8	97	3	**2.82**	
CO5		68.16	2.8	95	3	**2.82**	**ATTAINED**
CO6		68.16	2.8	96	3	**2.82**	

Course Code & Name: R18INF31L2-DataCommunicationsandNetworksLab

COURSE OUTCOME ATTAINMENT							
CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.2	79.5	3	61.4	3	**2.96**	**2.84(Attained)**
CO2		79.5	3	70.4	3	**2.95**	
CO3		79.5	3	61.4	3	**2.96**	
CO4		79.5	3	56.2	2	**2.72**	
CO5		79.5	3	55	2	**2.72**	
CO6		79.5	3	55.6	2	**2.72**	

Course Code & Name:R18HAS31L1-AdvancedCommunicationSkills Lab

COURSE OUTCOME ATTAINMENT							
CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		

CO1	2.7	72.2	3	78.4	3	2.96	2.88(Attained)
CO2		72.2	3	73	3	2.96	
CO3		72.2	3	74.2	3	2.96	
CO4		72.2	3	72.3	3	2.96	
CO5		72.2	3	66	2	2.71	
CO6		72.2	3	66	2	2.72	

COURSE OUTCOMES
III YEAR ECE SEMESTER - II (REGULATION – R18)
ACADEMIC YEAR: 2012– 2022

Course Code & Name: R18ECE3201-AntennasandWavePropagation

COURSE OUTCOME ATTAINMENT

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.3	51.4	2.1	73	3	2.33	2.21(NOT ATTAINED)
CO2		51.4	2.1	63	3	2.33	
CO3		51.4	2.1	65	3	2.33	
CO4		51.4	2.1	71	3	2.33	
CO5		51.4	2.1	65	3	2.32	
CO6		51.4	2.1	0	0	1.62	

Course Code & Name: R18ECE3202-DigitalSignalProcessing

COURSE OUTCOME ATTAINMENT

CO's	University			Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained		
CO1	3	55.7	2.6	76	3	**2.68**	
CO2		55.7	2.6	73	3	**2.68**	

CO3		55.7	2.6	54	2	**2.44**	**2.6352**
CO4		55.7	2.6	82	3	**2.68**	
CO5		55.7	2.6	78	3	**2.67**	
CO6		55.7	2.6	73	3	**2.67**	

Course Code & Name:R18ECE3203-VLSIDesign

COURSE OUTCOME ATTAINMENT

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	**Attained %**	**Attained level**	**Attained %**	**Attained level**		
CO1	2.7	54.6	2.5	94	3	2.61	**2.61(Not Attained)**
CO2		54.6	2.5	88	3	2.61	
CO3		54.6	2.5	63	3	2.60	
CO4		54.6	2.5	87	3	2.61	
CO5		54.6	2.5	80	3	2.60	
CO6		54.6	2.5	78	3	2.61	

Course Code & Name: R18ECE3221-EmbeddedSystemDesign

COURSE OUTCOME ATTAINMENT

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	**Attained %**	**Attained level**	**Attained %**	**Attained level**		
CO1	2.3	60	2	69	**3**	2.26	**2.22 (Not Attained)**
CO2		60	2	75	**3**	2.26	
CO3		60	2	78	**3**	2.26	
CO4		60	2	82	**3**	2.27	
CO5		60	2	90	**3**	2.27	
CO6		60	2	55	**2**	2.02	

Course Code & Name: R18ECE3273-Consumer Electronics

COURSE OUTCOME ATTAINMENT							
CO's		**End Exam**		**Internal Assessment**		**CO Attainment**	**Overall Attainment**
	Target%	**Attained %**	**Attained level**	**Attained %**	**Attained level**		
CO1	2.2	63.67	3	66	3	2.95	**2.8907(ATTAINED)**
CO2		63.67	3	74	3	2.95	
CO3		63.67	3	86	3	2.95	
CO4		63.67	3	72	2.4	2.81	
CO5		63.67	3	100	3	2.95	
CO6		63.67	3	51	2.1	2.73	

Course Code & Name: R18ECE32L1-DigitalSignalProcessing Lab

COURSE OUTCOME ATTAINMENT							
CO's		**End Exam**		Internal Assessment		CO Attainment	Overall Attainment
	Target%	**Attained %**	**Attained level**	**Attained %**	**Attained level**		
CO1	1.9	55.3	1.5	64.6	3	**1.91**	**1.79 (Not Attained)**
CO2		55.3	1.5	64.6	3	**1.91**	
CO3		55.3	1.5	65.2	3	**1.91**	
CO4		55.3	1.5	57.2	2	**1.67**	
CO5		55.3	1.5	56	2	**1.67**	
CO6		55.3	1.5	56	2	**1.67**	

Course Code & Name:R18ECE32L2-e–CADLab

COURSE OUTCOME ATTAINMENT							
CO's		**End Exam**		Internal Assessment		CO Attainment	Overall Attainment
	Target%	**Attained %**	**Attained level**	**Attained %**	**Attained level**		
CO1		64.9	2.5	76.00	3	**2.61**	

CO2	2.6	64.9	2.5	76.00	3	**2.61**	**2.53(Not Attained)**
CO3		64.9	2.5	76.00	3	**2.61**	
CO4		64.9	2.5	66.40	2	**2.37**	
CO5		64.9	2.5	66.40	2	**2.37**	
CO6		64.9	2.5	71.80	3	**2.61**	

COURSE OUTCOMES
IV YEAR ECE SEMESTER - I (REGULATION – R18)
ACADEMIC YEAR: 2022-23

Course Code & Name: R18ECE4101& MicrowaveandOpticalCommunication

COURSE OUTCOME ATTAINMENT

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.7	55.84	2.5	70	**3**	**2.60**	**2.59 (Not Attained)**
CO2		55.894	2.5	73	**3**	**2.60**	
CO3		55.84	2.5	77	**3**	**2.60**	
CO4		55.84	2.5	100	**3**	**2.60**	
CO5		55.84	2.5	69	**3**	**2.58**	
CO6		55.84	2.5	68	**3**	**2.55**	

Course Code & Name: R18HAS4101&ProfessionalPractice,Law&Ethics

COURSE OUTCOME ATTAINMENT

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1		55.84	2.5	79	3	2.60	
CO2		55.84	2.5	87	3	2.60	

CO3	2.4	55.84	2.5	66	3	2.60	**2.57(ATTAINED)**
CO4		55.84	2.5	68	2.4	2.45	
CO5		55.84	2.5	73	3	2.60	
CO6		55.84	2.5	84	2.8	2.55	

Course Code & Name: R18ECE4131&DigitalImageProcessing

COURSE OUTCOME ATTAINMENT

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.6	51.9	2.2	67	3	2.39	**2.39(NOT ATTAINED)**
CO2		51.9	2.2	66	3	2.39	
CO3		51.9	2.2	84	3	2.39	
CO4		51.9	2.2	73	3	2.39	
CO5		51.9	2.2	79	3	2.39	
CO6		51.9	2.2	84	3	2.53	

Course Code & Name: R18ECE4141&Cellular&MobileCommunications

COURSE OUTCOME ATTAINMENT

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.4	47.05	1.7	64	3	2.04	**(2 Not Attained)**
CO2		47.05	1.7	49	1	1.80	
CO3		47.05	1.7	75	3	2.04	
CO4		47.05	1.7	91	3	2.03	
CO5		47.05	1.7	90	3	2.04	
CO6		47.05	1.7	88	3	2.04	

Course Code & Name: R18ECE4183&PMCS

COURSE OUTCOME ATTAINMENT

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.6	53.24	2.3	57	2.7	2.46	**2.51(NOT ATTAINED)**
CO2		53.24	2.3	58	2.8	2.48	
CO3		53.24	2.3	75	3	2.53	
CO4		53.24	2.3	67	3	2.53	
CO5		53.24	2.3	68	3	2.53	
CO6		53.24	2.3	100	3	2.53	

Course Code & Name:R18ECE41L1&Microwave&OpticalCommunicationsLab

COURSE OUTCOME ATTAINMENT

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained		
CO1	3	51	2.1	60	3	2.32	**2.32 (NOT Attained)**
CO2		51	2.1	61	3	2.32	
CO3		51	2.1	60	3	2.31	
CO4		51	2.1	60	3	2.31	
CO5		51	2.1	69	3	2.31	
CO6		51	2.1	69	3	2.31	

COURSE OUTCOMES
IV YEAR ECE SEMESTER - II (REGULATION – R18)
ACADEMIC YEAR: 2022-2023

Course Code & Name: R18ECE4251&SATELLITE COMMUNICATIONS (C421)

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.4	48.9	1.9	61	3	2.18	**2.18(NOT ATTAINED)**
CO2		48.9	1.9	57	3	2.19	
CO3		48.9	1.9	83	3	2.18	
CO4		48.9	1.9	70	3	2.18	
CO5		48.9	1.9	83	3	2.18	
CO6		48.9	1.9	66	3	2.18	

Course Code & Name: R18ECE4263&RADAR SYSTEMS (C422)

COURSE OUTCOME ATTAINMENT

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1	2.4	51.6	2.2	40	1	1.91	**2.31(NOT Attained)**
CO2		51.6	2.2	100	3	2.38	
CO3		51.6	2.2	84	3	2.39	
CO4		51.6	2.2	78	3	2.39	
CO5		51.6	2.2	99	3	2.39	
CO6		51.6	2.2	83	3	2.39	

Course Code & Name: R18ECE4293&Audio &Video Engineering (C423)

COURSE OUTCOME ATTAINMENT

CO's		End Exam		Internal Assessment		CO Attainment	Overall Attainment
	Target%	Attained %	Attained level	Attained %	Attained level		
CO1		52.6	2.2	82	3	2.39	
CO2		52.6	2.2	71	3	2.39	

CO3	2.5	52.6	2.2	73	3	2.39	**2.39(NOT ATTAINED)**
CO4		52.6	2.2	80	3	2.39	
CO5		52.6	2.2	69	3	2.39	
CO6		52.6	2.2	60	3	2.39	

INTERNAL FINANCIAL AUDIT

Audit Report Form

Financial Year: 2023-2024

Days of Audit : 2 Days

Period covered in the current audit : 01.04.2023 to 31.03.2024

SL.NO	Information	Availability YES/NO	Remarks
1	Bank Account Particulars	Yes	Union Bank of India Vanasthalipuram Branch A/C NO: 129410011000020
2	Bank Account Statement	Yes	Available
3	Policies related to financed matters	Yes	Available
4	Strategic plan of institute	Yes	Available
5	Finance committee members list for CFY	Yes	Available
6	Finance committee minutes of meeting	Yes	Available
7	Governing Body minutes	Yes	Available
8	Fiscal year budget/financial statements	Yes	Available
9	Grant-in-aid from the government and non-governmental agencies	Yes	Available
10	Funds and Donations granted to the institutions	Yes	Available
11	Student enrolment and admission particulars	Yes	Available
12	Receipts of tuition fees from students	Yes	Available
13	Receipts of others fees like transport fee, hostel fee, examination fees, laboratory fees, etc	Yes	Available
14	Receipts of Penalties, fines, late submissions in the library, etc	Yes	Available
15	Advance deposits and caution deposit files	Yes	Available
16	Concession of fees records.	Yes	Available

17	Scholarship account records.	Yes	Available
18	Donations and other subscriptions from the various authorities	Yes	Available
19	Salaries paid and salary register	Yes	Available
20	Increment amount given to staff based on performance appraisal	Yes	Available
21	Staff PF/EPF fund register	Yes	Available
22	Establishment expense vouchers	Yes	Available
23	College balance sheet	Yes	Available
24	Tax deduction at source (TDS) files	Yes	Available
25	Tax collection and income-tax	Yes	Available
26	Expenses spent on library items, sports equipment, books, furniture, events and many more	Yes	Available
27	Petty case expenditures	Yes	Available
28	Check capital expenditure, income from endowments and legacies and interest & dividend form investments	Yes	Available
29	Fixed Assets Register	Yes	Available

Principal

PRINCIPAL
Sri Indu College of Engineering and Technology
(Vill): SHERIGUDA-501 510,
Ibrahimpatnam(M), R.R.Dist.

22.08.2022

Order

Sub: Reconstitution of Internal Quality Assurance Cell – Reg.

As per the guidelines of NAAC, the Internal Quality Assurance Cell is reconstituted with the following members.

S. No.	Name of the Governing Body Member	Designation in the Institute	Designation in IQAC
1	Shri. R.Venkat Rao	Chairman	
2	Dr G Suresh	Principal	Chairperson
3	Shri.AnupChakravarthy .R	Secretary	Management Member
4	Dr.N.C.Sendhilkumar	HOD,ECE	Coordinator
5	Prof K.Ashok Babu	Prof / ECE	Member
6	Prof A.Rama Krishna Rao	DAE	Member
7	Dr K S SadasivaRao	Dean	Member
8	Dr S R Mugunthan	R&D Coordinator	Member
9	Dr P Balasubramaniam	Controller of Examinations	Member
10	Dr T Charan Singh	HOD CSE	Member
11	Dr K Sampath	HOD IOT	Member
12	Dr Adalene Johnsane	HOD AI&DS	Member
13	Ms.UmaMaheswari	HOD AIML	Member
14	Ms B Surekha	HOD IT	Member
15	Mr.Rakesh	HOD EEE	Member
16	Mr.D Rajendra Babu	HOD , CIVIL	Member
17	Mr.M Srinivasrao	HOD,MECH	Member
18	Ms N Sailaja	HOD H&S	Member

19	Ms.SandhyaRani	AP ECE	Member
20	Mr P Dayakar Reddy	Librarian	Member
21	Mr.M Narasimma	P E D	Member
22	Mr.L.Satyanarayana	Administrative Officer	Member
23	Mr. R.Venkateswar	Director, Campus Placements & Corporate Relations	Member
24	Mr.Narasimma Reddy	Local Society	Member
25	Mr. Surendra Babu	Industrialist	Member
26	Ms Miryala Nandhini	TCS	Alumni Member
27	Mr Mavilla Uttej	Wipro	Alumni Member
28	Mr A Dilip Kumar	ECE	Student member
29	Mr.NikhilKumar	CSE	Student member
30	Ms Thrisha	AI&DS	Student member
31	Mr. Aravind	Nucon Aerospace	Employer
32	Dr. J. Madhavan	Principal, Bhoji Reddy College, Hyderabad	Member from other institution
33	Ramavath Shankar	Student Father	Parent

The tenure of the above committee is 2 years from the date of this order and until further orders.

Principal

PRINCIPAL
Sri Indu College of Engineering and Technology
(VIII): SHERIGUDA-501 510,
[illegible]

Submitted to:
1. The Chairman
2. The Secretary

Copy to:
All the members concerned

INTERNAL QUALITY ASSURANCE CELL (2023-2024)

ACTION TAKEN REPORT FOR Ref.No.: SICET/PRL/IQAC/31 / 2023

Ref: SICET/PRL/IQAC/ATR/31 / 2023-24 **Date: 25/11/2023**

The following are the action taken report for the Minutes of the Meeting No.: SICET/PRL/IQAC/31 / 2023-24 held on 04/11/2023

Item No.: 1: To confirm the minutes of the meeting: SICET/PRL/IQAC/31 / 2023-24 of the IQAC held on 04/11/23

Action Taken: The minutes of the meeting: SICET/PRL/IQAC/31 / 2023-24 of the IQAC circulated among all the members were discussed and confirmed.

Item No.: 2: Action Taken Report (ATR) on decisions of the previous meeting

Meeting No.: SICET/PRL/IQAC/31 / 2023-24	**Action taken report**	**Responsible**
Discussion on previous meeting ATR	Pending works to be completed	IQAC Coordinator
Mid and End Exams.	Scheduled	CE
Commencement of Final Sem Classes	Scheduled	Coordinator and HOD
Final Year Mini Project Exams	Schedule to be released	CE & HOD
Syllabus Coverage of all other UG and PG Branches	Updated	HODs
Placement Activities	Details Shared	Placement Director
Conduct of Training Program	Scheduled	Placement Director

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Usage of ICT and other novel teaching methodologies	Information Shared	Faculty & HOD
Methodologies to improve Research contributions	Methodologies Shared	Dean R&D
Students Grievance and Redressal	In Progress	Coordinator
Mentor Mentee Activities	In Progress	Mentors
Internal Audits	Scheduled	IQAC
Hostel student activities	Updated	Warden
Go Green Initiatives	In Progress	AO
Student Outreach Program	Planned	HOD and Coordinators
NAAC Work Status	Details Updated	All

The above Action Taken Report (ATR) will be discussed in the consecutive meeting also.

Coordinator

Copy to 1.Principal 2.All HODs
Circulated to : 1.All IQAC Members & all Concerned

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Sri Indu College of Engineering & Technology
Sheriguda, (IBP)

INTERNAL QUALITY ASSURANCE CELL (2023-2024)

Ref: SICET/PRL/IQAC/31 / 2023-24 **Date: 28/10/2023**

CIRCULAR

All the members of IQAC are here by informed to attend the meeting scheduled on 04/11/2023 at 2.30 PM.

Agenda:

- Discussion on previous meeting Minutes
- Mid and End Exams.
- Commencement of Final Sem Classes
- Final Year Mini Project Exams
- Syllabus Coverage of all other UG and PG Branches
- Placement Activities
- Conduct of Training Program
- Usage of ICT and other novel teaching methodologies
- Methodologies to improve Research contributions
- Students Grievance and Redressal
- Mentor Mentee Activities
- Internal Audits
- Hostel student activities
- Go Green Initiatives
- Student Outreach Program
- NAAC Work Status
- Any other matters b.f by the members subject to permission from the chairperson

Venue: IQAC Hall

COORDINATOR - IQAC

Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist
UGC Autonomous Institution

Minutes of the IQAC Meeting

Ref: SICET/PRL/IQAC/31 / 2023-24 **Date: 28/10/2023**

Date & Time: 04/11/2023 :: 2.30 PM

Venue: IQAC Hall

Agenda:

- Discussion on previous meeting Minutes
- Mid and End Exams.
- Commencement of Final Sem Classes
- Final Year Mini Project Exams
- Syllabus Coverage of all other UG and PG Branches
- Placement Activities
- Conduct of Training Program
- Usage of ICT and other novel teaching methodologies
- Methodologies to improve Research contributions
- Students Grievance and Redressal
- Mentor Mentee Activities
- Internal Audits
- Hostel student activities
- Go Green Initiatives
- Student Outreach Program
- NAAC Work Status
- Any other matters b.f by the members subject to permission from the chairperson

Members Present:

S. No.	Name of the Governing Body Member	Designation in the Institute	Designation in IQAC	Signature
1	Dr G Suresh	Principal	Chairperson	
2	Shri.AnupChakravarthy .R	Secretary	Management Member	

Ref: SICET/PRL/IQAC/31 / 2023-24

Date: 28/10/2023

3	Dr.N.C.Sendhilkumar	HOD,ECE	Coordinator	
4	Prof K.Ashok Babu	Prof / ECE	Member	
5	Prof A.Rama Krishna Rao	DAE	Member	
6	Dr K S SadasivaRao	Dean, R&D	Member	
7	Dr G V N Prasad	HOD CSE	Member	
8	Dr P Balasubramaniam	Controller of Examinations	Member	
9	Dr T Charan Singh	HOD CSIT	Member	
10	Dr K Sampath	HOD IOT	Member	
11	Dr Adalene Johnsane	HOD AI&DS	Member	
12	Ms.UmaMaheswari	HOD AIML	Member	
13	Dr P Epsiba	HOD IT	Member	
14	Mr.Rakesh	HOD EEE	Member	
15	Mr.D Rajendra Babu	HOD , CIVIL	Member	
16	Mr.M Srinivasrao	HOD,MECH	Member	
17	Ms N Sailaja	HOD H&S	Member	
18	Ms.SandhyaRani	AP ECE	Member	
19	Mr. R.Venkateswar	Director, Campus Placements & Corporate Relations	Member	
20	Mr A Dilip Kumar	ECE	Student member	
21	Mr.NikhilKumar	CSE	Student member	
22	Ms Thrisha	AI&DS	Student member	
23	Dr. J. Madhavan	Professor, Bhoji Reddy College, Hyderabad	Member from other institution	

Ref: SICET/PRL/IQAC/31 / 2023-24 **Date: 28/10/2023**

The chairperson welcomed all the members to the meeting and briefed about the agenda in detail. The Following points were discussed to verify the progress of the I Sem Academic and Administrative activities along with the action to be taken.

1. The coordinator asked about the implementation of points discussed in the previous meeting and also analysis of mid Exam performance.
2. The coordinator discussed about the class work completion of Final Year and informed everyone to ensure that all the academic acticities to be completed as per the Academic Calender released by the CE office , so that the mid exams and End Exams will be conducted as scheduled.
3. All HODs are advised to take necessary steps to start the final sem classes as scheduled.
4. Final year Mini projects should be evaluated in such a manner that will help the students to enhance & implemen their learnings so far. It has been decided to inform the students that their project work should be presented in outside world communications and events.
5. All other Years both UG and PG Branches academic activities are discussed. Necesaary instructions should be given to all the concerned to complete the pending works on or befor stipulated time so that adherence to academic calender is maintained.
6. Placement Director presented his efforts in organising traning progemmes and conduct of various online and offline placement recruitment by the Industries. A detailed report has to be submitted in due course of time with all the required details.
7. Schedule for conducting Career Enchancement Programs to be planned and released in 15 days by placement director
8. Members felt that faculty must be advised to use more ICT tools for teaching. Usage of ICT will enable students to involve more and also it as provide very good improvement in covering the syllabus on time and providing additional information to the students.
9. In continuation to the usage of ICT, all the heads were instructed to instruct the faculty members to use the tools more frequently and also to provide more content beyond syllabus topics,. Also faculty should inculcate novel teaching methodologies so as to make learnings more intersting.
10. Research activities should be taken up very seriously. Faculty publications should be improved.Incentives and appreciation will be given to faculty who contribute in research activities.The details will be shared.
11. Faculty should involve in quality publications in journals and also publication of Patents.
12. It has been informed that minimum of 2 papers should be published by each faculty.
13. Department Heads are informed to inform faculty to apply for getting funds to conduct FDPs and other research activities.

Ref: SICET/PRL/IQAC/31 / 2023-24 **Date: 28/10/2023**

14. Students should be motivated to publish papers and also to participate in taking various NPTEL/MOOC Courses.

15. Functioning of Students grievance cell and all other club activities should be monitored regularly and all activities and action taken should updated immediately to the concerned heads and Principal.

16. Mentors should regularly meet the Mentee and keep track on the activities and the same should be discussed with concerned parents. Records should be updated regularly.

17. The Schedule for Internal Audit will be released and the same to be strictly adhered.

18. Hostel student activities should be monitored and the warden should take care of implementing the study hours and other requirements of students.

19. Awareness on Green Initiatives should be made to the students through various modes. Steps should be taken to make the students on its importance and need.

20. Students should be motivated to contribute to the societal needs also. In this regard it has been planned to organize out reach programs in the nearby places with different themes that will contibute to the needy people. List of themes will be released asap.

21. Progress in NAAC related works were discussed. Necessary corrective and improvements wherever observed should be implementated so that the overall qualtiy improves.

22. Internships and Industrial Visits should be arranged as soon as possible and students should be encouraged to participate without fail.

The meeting concluded with note of thanks to all the participants by the coordinator.

COORDINATOR - IQAC

INTERNAL QUALITY ASSURANCE CELL (2023-2024)

Ref: SICET/PRL/IQAC/32 / 2023-24 **Date: 23/12/2023**

CIRCULAR

All the members of IQAC are here by informed to attend the meeting scheduled on 06/01/2024 at 2.30 PM.

Agenda:

- Discussion on previous meeting Minutes
- End Exam Results
- Final Year class work and Project
- Commencement of II Semester class works
- Hand outs and Course file
- NAAC SSR Submission.
- FFC Visit
- International Conference conduct
- Placement and Training Activities
- Students Grievance and Redressal
- Conducting Social Awareness programs
- Mentor Mentee Activities
- Club Activities
- Internal Audits
- Faculty Appraisal
- PAC and DAC progress
- Result Analysis
- Any other matters b.f by the members subject to permission from the chairperson

Venue: IQAC Hall

COORDINATOR - IQAC

Minutes of the IQAC Meeting

Ref: SICET/PRL/IQAC/32 / 2023-24 **Date: 23/12/2023**

Date & Time: 06/01/2024 :: 2.30 PM

Venue: IQAC Hall

Agenda:

- Discussion on previous meeting Minutes
- End Exam Results
- Final Year class work and Project
- Commencement of II Semester class works
- Hand outs and Course file
- NAAC SSR Submission.
- FFC Visit
- International Conference conduct
- Placement and Training Activities
- Students Grievance and Redressal
- Conducting Social Awareness programs
- Mentor Mentee Activities
- Club Activities
- Internal Audits
- Faculty Appraisal
- PAC and DAC progress
- Result Analysis
- Any other matters b.f by the members subject to permission from the chairperson

Members Present:

S. No.	Name of the Governing Body Member	Designation in the Institute	Designation in IQAC	Signature
1	Dr G Suresh	Principal	Chairperson	
2	Shri.AnupChakravarthy .R	Secretary	Management Member	

3	Dr.N.C.Sendhilkumar	HOD,ECE	Coordinator	
4	Prof K.Ashok Babu	Prof / ECE	Member	
5	Prof A.Rama Krishna Rao	DAE	Member	
6	Dr K S SadasivaRao	Dean, R&D	Member	
7	Dr G V N Prasad	HOD CSE	Member	
8	Dr P Balasubramaniam	Controller of Examinations	Member	
9	Dr T Charan Singh	HOD CSIT	Member	
10	Dr K Sampath	HOD IOT	Member	
11	Dr Adalene Johnsane	HOD AI&DS	Member	
12	Ms.UmaMaheswari	HOD AIML	Member	
13	Dr P Epsiba	HOD IT	Member	
14	Mr.Rakesh	HOD EEE	Member	
15	Mr.D Rajendra Babu	HOD , CIVIL	Member	
16	Mr.M Srinivasrao	HOD,MECH	Member	
17	Ms N Sailaja	HOD H&S	Member	
18	Ms.SandhyaRani	AP ECE	Member	
19	Mr. R.Venkateswar	Director, Campus Placements & Corporate Relations	Member	
20	Mr A Dilip Kumar	ECE	Student member	
21	Mr.NikhilKumar	CSE	Student member	
22	Ms Thrisha	AI&DS	Student member	
23	Dr. J. Madhavan	Professor, Bhoji Reddy College, Hyderabad	Member from other institution	

Ref: SICET/PRL/IQAC/32 / 2023-24 **Date: 23/12/2023**

The chairperson welcomed all the members to the meeting and briefed about the agenda in detail. The Following points were discussed to verify the progress of the I Sem Academic and Administrative activities along with the action to be taken.

1. The coordinator asked about the implementation of points discussed in the previous meeting and also analysis of mid Exam performance.
2. CE has been asked to process the results of the end exam within 15 days after the completion of last exam.
3. Final year class works and project status has been discussed. It has been decided to publish the projects in journals and conferences without fail.
4. HODs are advised to make proper planning for the commencement of II semester classworks.
5. Class Coordinators should ensure that HandOuts should reach the students on the first day of the class work.
6. Course Files should be updated.
7. It has been decided to upload the SSR for NAAC by this month end. Department heads are asked to provide the all datas as per the requirements of NAAC Template.
8. It has been planned to conduct multidiscipline International conference in the month of May. In this regard R&D dean has been informed to make necessary arrangement for organizing the conference in an effective manner.
9. Placement Director presented his efforts in organising traning progemmes and conduct of various online and offline placement recruitment by the Industries. A detailed report has to be submitted in due course of time with all the required details.
10. Students should be motivated to publish papers and also to participate in taking various NPTEL/MOOC Courses.
11. Functioning of Students grievance cell and all other club activities should be monitored regularly and all activities and action taken should updated immediately to the concerned heads and Principal.
12. Mentors should regularly meet the Mentee and keep track on the activities and the same should be discussed with concerned parents. Records should be updated regularly.
13. The Schdule for Internal Audit will be released and the same to be strictly adhered.
14. Along with Internal Audits it has been planned to conduct Appriasal on the performance of the faculty.
15. PAC and DAC to be organised whenever required for any updation in Curriculum and any other concerned matter and the same to be informed.
16. Also ithas been planned to organize student project expo of all branches in the month of March.

17. Training progrmmes on Advanced topics should be conducted b invitin Industry experts.
18. Result Analysisi should be done to identify where extra efforts required. And also it has been decided to conduct special classes for subjects having less than 60% of results
19. Slow Learners to be given special attention and faculty should guide them to achieve postive results.
20. Fast Learners should be encourage to particpate and learn value added courses.

The meeting concluded with note of thanks to all the participants by the coordinator.

COORDINATOR - IQAC

INTERNAL QUALITY ASSURANCE CELL (2023-2024)

ACTION TAKEN REPORT FOR Ref.No.: SICET/PRL/IQAC/32/ 2023-24

Ref: SICET/PRL/IQAC/ATR/32 / 2023-24 **Date: 10/02/2024**

The following are the action taken report for the Minutes of the Meeting No.: SICET/PRL/IQAC/32 / 2023-24 held on 06/01/2024

Item No.: 1: To confirm the minutes of the meeting: SICET/PRL/IQAC/32/2023-24 of the IQAC held on 06/01/2024

Action Taken: The minutes of the meeting: SICET/PRL/IQAC/32/2023-24 of the IQAC circulated among all the members were discussed and confirmed.

Item No.: 2: Action Taken Report (ATR) on decisions of the previous meeting

Meeting No.: SICET/PRL/IQAC/32 / 2023-24	**Action taken report**	**Responsible**
Discussion on previous meeting ATR	Pending works to be completed	IQAC Coordinator
End Exam Results	In Process	CE
Final Year class work and Project	Progressing	Coordinator and HOD
Commencement of II Semester class	In Progress	CE & HODs
Hand outs and Course file	Updated & Shared	HODs and Coordinators
NAAC SSR Submission.	In Progress	Principal and IQAC
FFC Visit	Schedule to be received	Principal and HODs

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2(f) & 12(B) of UGC ACT 1956

International Conference conduct	Planned during May End	Dean R&D
Placement and Training Activities	In Progress	Placement Director
Students Grievance and Redressal	In Progress	Coordinator
Conducting Social Awareness programs	Planned	Coordinators and HODs
Mentor Mentee Activities	In Progress	Coordinators & Mentors
Club Activities	Planned	Coordinators and HODs
Internal Audits	Schedule to be releases	IQAC
Faculty Appraisal	Planned	IQAC
PAC and DAC progress	Details Updated	HODs
Result Analysis	To be Updated	CE

The above Action Taken Report (ATR) will be discussed in the consecutive meeting also.

Coordinator

Copy to 1.Principal 2.All HODs
Circulated to : 1.All IQAC Members & all Concerned

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Sri Indu College of Engineering & Technology
Sheriguda, (V), Ibrahimpatnam
2(f) & 12(B) of UGC ACT 1956

INTERNAL QUALITY ASSURANCE CELL (2023-2024)

Ref: SICET/PRL/IQAC/33/ 2023-24 **Date: 22/04/2024**

CIRCULAR

All the members of IQAC are here by informed to attend the meeting scheduled on 04/05/2024 at 2.30 PM.

Agenda:

- Discussion on Previous meeting
- Final Year Results
- Conduct of MID II Examinations
- Conduct of End Examinations
- Conduct of Culturals Events
- Conduct of Graduation Day
- CRT Program for III Year Students
- Conduct of Green Audit
- Conduct of Internal Audit for all Branches
- NAAC Visit
- Any other matters b.f by the members subject to permission from the chairperson

Venue: IQAC Hall

COORDINATOR - IQAC

Minutes of the IQAC Meeting

Ref: SICET/PRL/IQAC/33 / 2023-24 dated 22/04/2024

Date & Time: 04/05/2024 & 2.30 P.M

Venue: IQAC Hall

Agenda:

- Discussion on Previous meeting
- Final Year Results
- Conduct of MID II Examinations
- Conduct of End Examinations
- Conduct of Culturals and Annual Day
- Conduct of Graduation Day
- CRT Program for III Year Students
- Conduct of Green Audit
- Conduct of Internal Audit for all Branches
- NAAC Visit
- Any other matters b.f by the members subject to permission from the chairperson

Venue: IQAC Hall

Members Present:

S. No.	Name of the Governing Body Member	Designation in the Institute	Designation in IQAC	Signature
1	Dr G Suresh	Principal	Chairperson	
2	Shri.AnupChakravarthy .R	Secretary	Management Member	

3	Dr.N.C.Sendhilkumar	HOD,ECE	Coordinator	
4	Prof K.Ashok Babu	Prof / ECE	Member	
5	Prof A.Rama Krishna Rao	DAE	Member	
6	Dr K S SadasivaRao	Dean, R&D	Member	
7	Dr G V N Prasad	HOD CSE	Member	
8	Dr P Balasubramaniam	Controller of Examinations	Member	
9	Dr T Charan Singh	HOD CSIT	Member	
10	Dr K Sampath	HOD IOT	Member	
11	Dr Adalene Johnsane	HOD AI&DS	Member	
12	Ms.UmaMaheswari	HOD AIML	Member	
13	Dr P Epsiba	HOD IT	Member	
14	Mr.Rakesh	HOD EEE	Member	
15	Mr.D Rajendra Babu	HOD , CIVIL	Member	
16	Mr.M Srinivasrao	HOD,MECH	Member	
17	Ms N Sailaja	HOD H&S	Member	
18	Ms.SandhyaRani	AP ECE	Member	
19	Mr. R.Venkateswar	Director, Campus Placements & Corporate Relations	Member	
20	Mr A Dilip Kumar	ECE	Student member	
21	Mr.NikhilKumar	CSE	Student member	
22	Ms Thrisha	AI&DS	Student member	
23	Dr. J. Madhavan	Professor, Bhoji Reddy College, Hyderabad	Member from other institution	

The chairperson welcomed all the members to the meeting and briefed about the agenda in detail. The Following points were discussed by the coordinators and other members present in the meeting to improve the performance of the students and Faculty during the II semester of the AY 2023-24 along with the action to be taken

1. Action taken on the previous meeting was discussed in detail and members suggested few areas of improvement.
2. It is insisted to CE to process and declare the IV II Results as early as possible so that it will enable the students to go for higher studies and Job with ease.
3. II II and III II Mid Exam and End Exam Circulars to be released at the earliest.
4. It has been planned to conduct Cultural day department wise.
5. Tentatively it has been discussed to conduct Graduation during the month of August after getting necessary permissions from the concerned authorities.
6. CRT programs should be conducted more intensively to make students ready for the placement programs
7. It has been planned to conduct green audit of the campus during the month of September
8. Internal Audit for all Academic and Administrative departments will be initiated at the earliest.
9. Remedial classes to be conducted as per the guidelines given already.

The meeting concluded with vote of thanks by the Chairperson

COORDINATOR - IQAC

INTERNAL QUALITY ASSURANCE CELL (2023-2024)

ACTION TAKEN REPORT FOR Ref.No.: SICET/PRL/IQAC/32/ 2023-24

Ref: SICET/PRL/IQAC/ATR/33/ 2023-24 **Date: 22/06/2024**

The following are the action taken report for the Minutes of the Meeting No.: SICET/PRL/IQAC/33 / 2023-24 held on 04/05/2024

Item No.: 1: To confirm the minutes of the meeting: SICET/PRL/IQAC/33/2023-24 of the IQAC held on 04/05/2024

Action Taken: The minutes of the meeting: SICET/PRL/IQAC/33/2023-24 of the IQAC circulated among all the members were discussed and confirmed.

Item No.: 2: Action Taken Report (ATR) on decisions of the previous meeting

Meeting No.: SICET/PRL/IQAC/33 / 2023-24	Action taken report	Responsible
Discussion on previous meeting ATR	Pending works to be completed	IQAC Coordinator
Final Year Results	To be Processed	CE
Conduct of MID II Examinations	Scheduled	CE

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Conduct of End Examinations	Scheduled	CE
Conduct of Culturals Events	Planned and In Progress	Heads
Conduct of Graduation Day	Planned as soon as Results are released	Principal and Head
CRT Program for III Year Students	Planned	Placement Director
Conduct of Green Audit	Planned	IQAC
Conduct of Internal Audit for all Branches	Planned	IQAC
NAAC Visit	Completed	

Coordinator

Copy to 1.Principal 2.All HODs

Circulated to : 1.All IQAC Members & all Concerned

Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist
UGC Autonomous Institution

INTERNAL QUALITY ASSURANCE CELL (2022-2023)

Ref: SICET/PRL/IQAC/30 / 2023-24 **Date: 24/06/2023**

CIRCULAR

All the members of IQAC are here by informed to attend the meeting scheduled on 01/07/2023 at 2.30 PM.

Agenda:

- Discussion on previous meeting Minutes
- Commencement of Academic year 2023-2024.
- End Exam for II and III Years
- Course File Updation
- Question Bank Updation
- Assignments to Assess the students understanding of the Course
- Conduct of National level Technical Symposium and Conference
- Result Processing
- Training programs, Internships and IV
- Mid Question Verification
- Upgrading Lab Facilities
- Improvement of Library Facililties
- Additional Infrastructure Requirements
- Research Initiatives
- Faculty Enrichment Programs
- Slow and Fast Learner Identification
- Internal Audits
- Budget
- NAAC Work Status
- Any other matters b.f by the members subject to permission from the chairperson

Venue: IQAC Hall

COORDINATOR - IQAC

Sri Indu College of Engineering & Technology Sheriguda, RR

Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist
UGC Autonomous Institution

Ref: SICET/PRL/IQAC/30/2023-24

Minutes of the IQAC Meeting

Date & Time: 01/07/2023 & 2.30 P.M

Venue: IQAC Hall

Agenda:

- Discussion on previous meeting Minutes
- Commencement of Academic year 2023-2024.
- End Exam for II and III Years
- Course File Updation
- Question Bank Updation
- Assignments to Assess the students understanding of the Course
- Conduct of National level Technical Symposium and Conference
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- Training programs, Internships and IV
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- Research Initiatives
- Faculty Enrichment Programs
- Slow and Fast Learner Identification
- Internal Audits
- Budget
- NAAC Work Status
- Any other matters b.f by the members subject to permission from the chairperson

Members Present:

S. No.	Name of the Governing Body Member	Designation in the Institute	Designation in IQAC	Signature
1	Dr G Suresh	Principal	Chairperson	
2	Shri.R Venkat Rao	Secretary	Management Member	

Date: 01/09/23

3	Dr.N.C.Sendhilkumar	HOD,ECE	Coordinator	
4	Prof K.Ashok Babu	Prof / ECE	Member	
5	Prof A.Rama Krishna Rao	DAE	Member	
6	Dr K S SadasivaRao	Dean	Member	
7	Dr S R Mugunthan	R&D Coordinator	Member	
8	Dr P Balasubramaniam	Controller of Examinations	Member	
9	Dr T Charan Singh	HOD CSE	Member	
10	Dr K Sampath	HOD IOT	Member	
11	Dr Adalene Johnsane	HOD AI&DS	Member	
12	Ms.UmaMaheswari	HOD AIML	Member	
13	Ms B Surekha	HOD IT	Member	
14	Mr.Rakesh	HOD EEE	Member	
15	Mr.D Rajendra Babu	HOD , CIVIL	Member	
16	Mr.M Srinivasrao	HOD,MECH	Member	
17	Ms N Sailaja	HOD H&S	Member	
18	Ms.SandhyaRani	AP ECE	Member	
19	Mr. R.Venkateswar	Director, Campus Placements & Corporate Relations	Member	
20	Mr.M Narasimma	PED	Member	
21	Mr P Dayakar Reddy	Librarian	Member	
22	Mr A Dilip Kumar	ECE	Student member	
23	Mr.NikhilKumar	CSE	Student member	
24	Ms Thrisha	AI&DS	Student member	
25	Dr. J. Madhavan	Professor, Bhoji Reddy College, Hyderabad	Member from other institution	

Date: 01/7/23

The chairperson welcomed all the members to the meeting and briefed about the agenda in detail. The Following points were discussed to improve the performance of the students and Faculty during the I semester of the AY 2022-23 along with the action to be taken

1. The coordinator asked about the implementation of points discussed in the previous meeting and also analysis of mid Exam performance.
2. The coordinator informed as per the Academic Calender released by the CE office , the classes will be commenced . Also informed all HODs to take necessary steps to make the classes as scheduled.
3. As per the suggestion by the members present, it has been decided to update the Content of the Course file for the coming semester and it must verified by designated course file coordinator and the same should be signed by the IQAC Coordinator on or before 31.07.2023.
4. Since there is revison in the regulations during the year 2020-2021 and 2022-23, it has been decided to revise and update the Question Banks available with CE office for the conduct of Mid Examinations for the subjects which was not completed earlier.The pending list of subjects will be shared by CE to the concerned HODs.
5. Members felt that faculty must be advised to use more ICT tools for teaching. Usage of ICT will enable students to involve more and also it as provide very good improvement in covering the syllabus on time and providing additional information to the students.
6. In continuation to the usage of ICT, all the heads were instructed to instruct the faculty members to use the tools more frequently and also to provide more content beyond syllabus topics
7. In order to assess the students understanding of the Subjects, it was planned to design Assignment by forming batch of 4 to 5 students and giving assignment for each batch separetly. This will help students in a better way as they will get more assignment topics from other batches.
8. It has been planned to give the above mentioned particular Assignments after covering atleast 70% of the syllabus.
9. All the departments are asked conduct Technical symposium and conference by getting sponsorship and funds from various funding agencies as early as possible.
10. CE has been asked to process the result as early as possible.
11. CRT should be conducted as early as possible which will help the sudents to get trained for the placements in a better way
12. It has been decided to verify, randomly the standards of MID Exam Question Papers from the CE office after getting consent from the CE and Dean.In this regard HODs were asked to list two experianced faculties apart from the IQAC Member to carry over the task.
13. It has been informed to submit the requirements in Labs, Library and any other additional Infrastructure requirements which will be taken care by AO for necessary arrangements.

Date: 01/07/23

14. Research activities should be taken up very seriously. Faculty publications should be improved.Incentives and appreciation will be given to faculty who contribute in research activities.The details will be shared.

15. Faculty should involve in quality publications in journals and also publication of Patents.

16. It has been informed that minimumof 2 papers should be published by each faculty.

17. Department Heads are informed to inform faculty to apply for getting funds to conduct FDPs and other research activities.

18. Students should be motivated to publish papers and also to participate in taking various NPTEL/MOOC Courses.

19. Various Faculty Enhancement acticities to be conducte department wise and college wise. HODs should plan the activities and the same to be informed.

20. Based on the students performance in the previous exams and forthcoming Mid Exam, slow and fast learners should be identified.After identification suitable activities should be conducted to improve the performance further.

21. The Schdule for Internal Audit will be released and the same to be strictly adhered.

22. Internships and Industrial Visits should be arranged as soon as possible and students should be encouraged to participate without fail.

The meeting concluded with note of thanks to all the participants by the Convenor.

COORDINATOR - IQAC

AN AUTONOMOUS INSTITUTION UNDER JNTUA
Sri Indu College of Engineering & Technology
Sheriguda, IBP

INTERNAL QUALITY ASSURANCE CELL (2022-2024)

ACTION TAKEN REPORT FOR Ref.No.: SICET/PRL/IQAC/30 / 2023-24

Ref: SICET/PRL/IQAC/30 / 2023-24 **Date:03/08/2023**

The following are the action taken report for the Minutes of the Meeting No.: **SICET/PRL/IQAC/30 / 2023-24** was held on 01/07/2023

Item No.: 1: To confirm the minutes of the meeting: **SICET/PRL/IQAC/30 / 2023-24** of the IQAC held on 01/07/2023.

Action Taken: The minutes of the meeting: **SICET/PRL/IQAC/30 / 2023-24** of the IQAC circulated among all the members were discussed and confirmed.

Item No.: 2: Action Taken Report (ATR) on decisions of the previous meeting

Meeting No.: SICET/PRL/IQAC/30 / 2023-24	**Action taken report**	**Responsible**
Status of points discussed in Previous meeting	ATR Submitted	IQAC Coordinator
Commencement of Academic year 2023-2024.	Academic Calendar released	CE
End Exam for II and III Years	Circular to be relesed	CE
Course File Updation	Updated	HODs and Faculty
Question Bank Updation	In Progress	HODs and Faculty
Assignments to Assess the students understanding of the Course	Implemented	HODs and Faculty
Conduct of National level Technical Symposium and Conference	Planned	HODs

Result Processing	In Process	CE
Training programs, Internships and IV	Activities Scheduled	PAT
Mid Question Verification	During Mid xams	CE
Upgrading Lab Facilities	List to be prepared	HODs
Improvement of Library Facililties	In Progress	Librarian
Additional Infrastructure Requirements	Planned	HODs an AO
Research Initiatives	Meetings to be planned	R&D Coordinator
Faculty Enrichment Programs	Planned	HODs
Slow and Fast Learner Identification	To be done	Faculty
Internal Audits	Scheduled	IQAC
Budget	To be prepared	HOD and Auditor
NAAC Work Status	In Progress	HODs and Faculty

The above Action Taken Report (ATR) will be discussed in the consecutive meeting also.

Coordinator

Copy to 1.Principal 2.All HODs
Circulated to : 1.All IQAC Members & all Concerned

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Sri Indu College of Engineering & Technology
Sheriguda, RR

6.5.3 e-copies of accreditations and certification


Sri Indu College of Engineering & Technology
An Autonomous Institution Under UGC
NAAC & NBA Accredited, Approved by AICTE and Permanently affiliated to JNTUH, Hyderabad
Estd.: 2001
Cell No: 9347306999, 9347353999
www.srindu.ac.in
IIRF
THE BEST ENGINEERING COLLEGE
Ranking by IIRF Ranking 2024
South Zone Rank 41
Telangana State Rank 8th
All India Rank 61

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After evaluating the quality of students, faculty, learning engagement, infrastructure, graduate outcomes, placements, diversity, and research output, we are pleased to announce that

Sri Indu College of Engineering and Technology, Ibrahimpatnam

Has been rated

AAA

making it one of the best engineering institutes in the country in 2024.

MAHESHWER PERI
EDITOR, CAREERS360

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Sri Indu College of Engineering and Technology

Ranked in Diamond Band

Across India for excellence in up-keeping
well-being of faculty, staff and students

Executive President

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OUTCOME-BASED EDUCATION

Certificate of Excellence

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Ranked in the

Diamond Band : Institution of Prominence

R
World Institutional
RANKING

Executive President

Ministry of Education
Government of India

MoE's INNOVATION CELL
(GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL

CERTIFICATE

Institution's Innovation Council (IIC) established at

Sri Indu College of Engineering and Technology, Hyderabad

had undertaken various activities prescribed by Innovation Cell, Ministry of Education, Govt. of India to promote Innovation and Start-up in campus during the IIC calendar year 2023-24.

Prof. TG Sitharam
Chairman
Aicte

Dr. Abhay Jere
Chief Innovation Officer
MOE, Innovation Cell

Mr. Dipan Sahu
Assistant Innovation Director
MOE, Innovation Cell

Certificate No : 2725

Issued On : 2025-01-16

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

The Executive Committee of the
National Assessment and Accreditation Council
is pleased to declare
Sri Indu College of Engineering and Technology
Vill. Sheriguda, Ibrahimpatnam (M), Dist. Ranga Reddy, Hyderabad,
affiliated to Jawaharlal Nehru Technological University, Telangana as
Accredited
with CGPA of 3.17 on four point scale
at A grade
valid up to May 29, 2029

Date : May 30, 2024

Director

BC(SC)/201/2nd Cycle/TSCOGN100610

National Institutional Ranking Framework

Ministry of Education

Government of India

Welcome to Data Capturing System: ENGINEERING

Submitted Institute Data for NIRF'2025'

Institute Name: Sri Indu College of Engineering and Technology [IR-E-C-19647]

Sanctioned (Approved) Intake

Academic Year	2023-24	2022-23	2021-22	2020-21	2019-20	2018-19
UG [4 Years Program(s)]	1080	1080	1080	1080	-	-
PG [2 Year Program(s)]	45	45	-	-	-	-

Total Actual Student Strength (Program(s) Offered by Your Institution)

(All programs of all years)	No. of Male Students	No. of Female Students	Total Students	Within State (Including male & female)	Outside State (Including male & female)	Outside Country (Including male & female)	Economically Backward (Including male & female)	Socially Challenged (SC+ST+OBC Including male & female)	No. of students receiving full tuition fee reimbursement from the State and Central Government	No. of students receiving full tuition fee reimbursement from Institution Funds	No. of students receiving full tuition fee reimbursement from the Private Bodies	No. of students who are not receiving full tuition fee reimbursement
UG [4 Years Program(s)]	3109	1720	4829	4829	0	0	213	3178	131	71	2	3187
PG [2 Year Program(s)]	7	23	30	30	0	0	1	22	1	0	0	22

Placement & Higher Studies

UG [4 Years Program(s)]: Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students admitted through Lateral entry	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates(Amount in Rs.)	No. of students selected for Higher Studies
2018-19	960	865	2019-20	149	2021-22	801	512	350000(Three Lakh Fifty Thousand)	221
2019-20	960	730	2020-21	168	2022-23	691	536	400000(Four Lkhs)	152
2020-21	1080	965	2021-22	153	2023-24	829	384	450000(Four lakh fifty thousand)	270

PG [2 Years Program(s)]: Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates(Amount in Rs.)	No. of students selected for Higher Studies
2020-21	141	6	2021-22	6	0	0(Zero)	0
2021-22	45	6	2022-23	5	0	0(Zero)	0
2022-23	45	6	2023-24	6	0	0(Zero)	0

Ph.D Student Details (including Integrated Ph.D)

Ph.D (Student pursuing doctoral program till 2023-24 Students admitted in the academic year 2024-25 should not be entered here.)			
	Total Students		
Full Time	0		
Part Time	2		
No. of Ph.D students graduated (including Integrated Ph.D)			
	2023-24	2022-23	2021-22
Full Time	2	0	0
Part Time	0	0	0

Financial Resources: Utilised Amount for the Capital expenditure for previous 3 years

Academic Year	2023-24	2022-23	2021-22
	Utilised Amount	Utilised Amount	Utilised Amount
Annual Capital Expenditure on Academic Activities and Resources (excluding expenditure on buildings)			
Library (Books, Journals and e-Resources only)	395314 (thirty nine lakhs five thousand three hundred fourteen)	3106843 (Thirty one lakhs six thousand eight hundred forty three only)	1246530 (twelve lakhs forty six thousand five thirty only)
New Equipment and software for Laboratories	18856881 (one crore eighty eight lakhs fifty six thousand eight hundred eighty one)	19460187 (One crore ninety four lakhs sixty thousand one hundred eighty seven only)	1565410 (fifteen lakhs sixty five thousand and four ten only)
Engineering Workshops	1436247 (Fourteen lakhs thirty six thousand two hundred forty seven)	1589476 (Fifteen lakhs eighty nine thousand four hundred seventy six only)	1258910 (Twelve lakhs fifty eight thousand and nine hundred ten only)
Other expenditure on creation of Capital Assets (For setting up classrooms, seminar hall, conference hall , library, Lab, Engg workshops excluding expenditure on Land and Building)	6878814 (Sixty eight lakhs seventy eighty thousand eight hundred fourteen only)	6492240 (Sixty four lakhs ninety two thousand two hundred forty only)	2148709 (Twenty one lakhs forty eight thousand and seven hundred nine only)

Financial Resources: Utilised Amount for the Operational expenditure for previous 3 years

Academic Year	2023-24	2022-23	2021-22
	Utilised Amount	Utilised Amount	Utilised Amount
Annual Operational Expenditure			
Salaries (Teaching and Non Teaching staff)	292815168 (Twenty nine crore twenty eight lakhs fifteen thousand one hundred sixty eight)	292815168 (Twenty nine crores twenty eight lakhs fifteen thousand one hundred sixty eight only)	239265840 (Twenty three cores ninety two lakhs sixty five thousand and eight hundred forty only)
Maintenance of Academic Infrastructure or consumables and other running expenditures(excluding maintenance of hostels and allied services,rent of the building, depreciation cost, etc)	13836149 (One crore thirty eight lakhs thirty six thousand one hundred forty nine)	17900006 (one crore seventy nine lakhs six only)	2169740 (Twenty one lakhs sixty nine thousand and seven hundred forty only)
Seminars/Conferences/Workshops	3595652 (Thirty five lakhs ninety five thousand six hundred fifty two only)	8308194 (Eighty three lakhs eight thousand one hundred ninety four only)	4053600 (Forty lakhs fifty three thousand and six hundred only)

IPR

Calendar year	2023	2022	2021
No. of Patents Published	7	14	17
No. of Patents Granted	0	1	1

Sponsored Research Details

Financial Year	2023-24	2022-23	2021-22
Total no. of Sponsored Projects	7	1	3
Total no. of Funding Agencies	5	1	3
Total Amount Received (Amount in Rupees)	1258000	75000	335000
Amount Received in Words	Twelve lakhs fifty eight thousand	Seventy five thousand	Three lakhs thirty five thousand

Consultancy Project Details

Financial Year	2023-24	2022-23	2021-22
Total no. of Consultancy Projects	4	1	4
Total no. of Client Organizations	3	1	3
Total Amount Received (Amount in Rupees)	875000	190000	1265500
Amount Received in Words	Eight lakhs seventy five thousands	One Lakh Ninety Thousands	Twelve lakhs sixty five thousands and five hundred only

PCS Facilities: Facilities of physically challenged students

1. Do your institution buildings have Lifts/Ramps?	Yes, more than 80% of the buildings
2. Do your institution have provision for walking aids, including wheelchairs and transportation from one building to another for handicapped students?	Yes
3. Do your institution buildings have specially designed toilets for handicapped students?	Yes, more than 80% of the buildings

Faculty Details

Srno	Name	Age	Designation	Gender	Qualification	Experience (In Months)	Currently working with institution?	Joining Date	Leaving Date	Association type
1	Md GOUSE	42	Assistant Professor	Male	M.Tech	28	Yes	14-03-2022	--	Regular
2	SURARAPU UPENDAR	33	Assistant Professor	Male	M.Tech	78	Yes	01-11-2021	--	Regular
3	SUDHAKAR MEMULA	43	Assistant Professor	Male	M.Tech	138	Yes	15-09-2021	--	Regular
4	JYOTHI DAIDA	43	Assistant Professor	Female	M.Tech	90	Yes	04-10-2021	--	Regular
5	RAMAKRISHNA YADAV KANNABOINA	35	Assistant Professor	Male	M.Tech	66	Yes	18-06-2015	--	Regular
6	GUGULOTH CHAMPLA	35	Assistant Professor	Female	M.Tech	66	Yes	03-06-2020	--	Regular
7	NATHI KRANTHI KUMAR	35	Assistant Professor	Male	M.Tech	66	Yes	15-12-2020	--	Regular
8	NAGENDRA CHERKUPALLY	34	Assistant Professor	Male	M.Tech	67	Yes	16-12-2020	--	Regular
9	RAMAKRISHNA CH	35	Assistant Professor	Male	M.Tech		No	12-01-2016	24-08-2022	Regular
10	PAMPATI ALEKHYA	31	Assistant Professor	Female	M.Tech		No	07-02-2018	08-06-2022	Regular

11	Dr H J Prabhakar Williams	46	Professor	Male	Ph.D	240	Yes	09-12-2015	--	Regular
12	N Chathru	35	Assistant Professor	Male	M.Tech	108	Yes	02-03-2015	--	Regular
13	K RAM MOHAN RAO	41	Associate Professor	Male	M.Tech	229	Yes	12-12-2005	--	Regular
14	B DEEPIKA RATHOD	41	Associate Professor	Female	M.Tech	168	Yes	09-06-2008	--	Regular
15	B NEERAJA	38	Associate Professor	Female	M.Tech	168	Yes	01-12-2010	--	Regular
16	V PRATHYUSHA	40	Associate Professor	Female	M.Tech	156	Yes	26-05-2012	--	Regular
17	S NARSIMULU	47	Associate Professor	Male	M.Tech	168	Yes	17-08-2014	--	Regular
18	E PARUSHA RAMU	42	Assistant Professor	Male	M.Tech	180	Yes	29-05-2009	--	Regular
19	G SRAVANTHI	38	Assistant Professor	Female	M.Tech	144	Yes	01-06-2012	--	Regular
20	G RAJ KUMAR	39	Assistant Professor	Male	M.Tech	170	Yes	03-06-2013	--	Regular
21	V SUNITHA	40	Assistant Professor	Female	M.Tech	132	Yes	01-09-2014	--	Regular
22	A VENUGOPAL	40	Assistant Professor	Male	M.Tech	132	Yes	01-07-2013	--	Regular
23	D THIRUMALA REDDY	39	Assistant Professor	Male	M.Tech	168	Yes	20-05-2013	--	Regular
24	A SAIPRASANNA	32	Assistant Professor	Female	M.Tech	107	Yes	26-02-2016	--	Regular
25	T Venu Gopal	37	Assistant Professor	Male	M.Tech	120	Yes	21-12-2015	--	Regular
26	D SANDHYA RANI	41	Assistant Professor	Female	M.Tech	168	Yes	02-03-2015	--	Regular
27	P SRINIVAS	34	Assistant Professor	Male	M.Tech	120	Yes	01-04-2014	--	Regular
28	K SRAVANI	35	Assistant Professor	Female	M.Tech	111	Yes	02-03-2015	--	Regular
29	R SARADA	37	Assistant Professor	Female	M.E.	144	Yes	08-04-2015	--	Regular
30	P SWATHI	32	Assistant Professor	Female	M.Tech	84	No	01-06-2016	26-07-2024	Regular
31	B HEMAVATHI	43	Assistant Professor	Female	M.Tech	144	No	01-06-2016	13-12-2024	Regular
32	D MAMATHA	36	Assistant Professor	Female	M.Tech	96	Yes	01-08-2016	--	Regular
33	ARUKONDA VENU	54	Assistant Professor	Male	M.Tech	228	Yes	19-12-2016	--	Regular
34	S SWATHI	34	Assistant Professor	Female	M.Tech	103	Yes	17-02-2020	--	Regular
35	SHAIK AZEERA BEGUM	34	Assistant Professor	Female	M.Tech	88	Yes	18-06-2019	--	Regular
36	R LIKHITHA	33	Assistant Professor	Female	M.Tech	103	Yes	01-12-2016	--	Regular
37	K JAIL SINGH	39	Assistant Professor	Male	M.Tech	168	Yes	03-08-2018	--	Regular
38	D BHARATHI	37	Assistant Professor	Female	M.Tech	132	Yes	15-12-2016	--	Regular
39	Dr A RAMA KRISHNA RAO	73	Professor	Male	Ph.D	408	Yes	01-05-2012	--	Regular
40	Dr P BALASUBRAHMANYAM	50	Professor	Male	Ph.D	240	Yes	27-12-2012	--	Regular

41	Dr A S BHANU PRASAD	59	Professor	Male	Ph.D	186	Yes	02-03-2015	--	Regular
42	N SHAILAJA	52	Associate Professor	Female	M.Sc.	288	Yes	06-07-2009	--	Regular
43	CH ASHOK KUMAR	39	Assistant Professor	Male	M.Sc.	181	Yes	06-06-2016	--	Regular
44	P ANITHA	34	Assistant Professor	Female	M.Sc.	61	Yes	02-12-2019	--	Regular
45	V Srinivasachary	35	Assistant Professor	Male	M.Tech	72	Yes	12-02-2020	--	Regular
46	SAHITYA UMMA REDDY	40	Associate Professor	Female	M.Sc.	182	Yes	15-09-2014	--	Regular
47	A SHIVA KUMAR	41	Associate Professor	Male	M.Sc.	155	Yes	29-08-2011	--	Regular
48	M BLESSI	31	Assistant Professor	Female	M.Sc.	72	Yes	01-08-2019	--	Regular
49	P MAHADEVUDU	38	Assistant Professor	Male	M.A	88	Yes	12-02-2020	--	Regular
50	K SAIKUMAR	33	Assistant Professor	Male	M.A	89	Yes	03-02-2017	--	Regular
51	N SHARMILEE	51	Assistant Professor	Female	M.A	89	Yes	02-02-2017	--	Regular
52	S PRAVEEN KUMAR	42	Assistant Professor	Male	MSc(Mathematics)	163	Yes	06-12-2010	--	Regular
53	KIRANMAI VANAPARTHI	45	Assistant Professor	Female	M.Tech	139	Yes	24-07-2017	--	Regular
54	APARNA KOMMALA	33	Assistant Professor	Female	M.Tech	91	Yes	16-12-2015	--	Regular
55	RAMAVATH VINODKUMAR	32	Assistant Professor	Male	M.Tech	84	Yes	28-12-2016	--	Regular
56	AKILA GOUNI	30	Assistant Professor	Female	M.Tech	67	Yes	23-11-2020	--	Regular
57	PRASHANTH DONDA	31	Assistant Professor	Male	M.Tech	67	Yes	26-09-2019	--	Regular
58	BODA SAI SREE	27	Assistant Professor	Female	M.Tech	51	Yes	07-04-2020	--	Regular
59	PODISHETTI CHAITHANYA	30	Assistant Professor	Male	M.Tech	55	Yes	31-03-2020	--	Regular
60	K NAVEEN CHAKRAVARTHI	32	Assistant Professor	Male	M.Tech	43	Yes	01-07-2020	--	Regular
61	GUNDALA SWARNALATHA	29	Assistant Professor	Female	M.Tech	43	Yes	02-07-2020	--	Regular
62	MALLAMPATI MAHESH	34	Assistant Professor	Male	M.Tech	91	Yes	18-01-2017	--	Regular
63	SURESH H B	51	Associate Professor	Male	M.Tech	240	Yes	07-08-2003	--	Regular
64	N SHEKAR	34	Assistant Professor	Male	M.Sc.	97	Yes	01-12-2016	--	Regular
65	S GOLSMAIR SHALINE	49	Assistant Professor	Female	M.Sc.	76	Yes	04-08-2017	--	Regular
66	B SANJAIAH	42	Assistant Professor	Male	M.A	115	Yes	17-01-2019	--	Regular
67	BEULAH SUCHARITHA J DAVID	48	Assistant Professor	Female	M.A	108	Yes	31-07-2017	--	Regular

68	K JYOTHI	37	Assistant Professor	Female	M.Sc.	120	Yes	02-02-2015	--	Regular
69	Y SRINIVAS	35	Assistant Professor	Male	M.Sc.	142	Yes	19-12-2016	--	Regular
70	M LEELA	43	Associate Professor	Female	M.Sc.	240	Yes	01-12-2016	--	Regular
71	U ANURADHA	43	Assistant Professor	Female	M.Sc.	108	Yes	03-07-2015	--	Regular
72	P MANJULA	36	Associate Professor	Female	M.Sc.	151	Yes	20-05-2013	--	Regular
73	M GOVIND AMBICA	40	Assistant Professor	Female	M.Sc.	108	Yes	14-07-2016	--	Regular
74	MD THOFEEQ	41	Associate Professor	Male	M.Tech	222	Yes	01-12-2008	--	Regular
75	CHINA VENKATA REDDY B	46	Associate Professor	Male	M.Tech	206	Yes	01-12-2008	--	Regular
76	B NAVEENA	34	Associate Professor	Female	M.Tech	168	Yes	10-06-2011	--	Regular
77	A RANGAMMA	47	Assistant Professor	Female	M.Tech	132	Yes	09-10-2013	--	Regular
78	G UMA MAHESWARI	42	Assistant Professor	Female	M.Tech	120	Yes	12-09-2014	--	Regular
79	LAXMIKANTH AKUNURI	55	Associate Professor	Male	M.Tech	324	Yes	10-05-2009	--	Regular
80	E RAJENDRA	39	Assistant Professor	Male	M.Tech	107	Yes	12-01-2016	--	Regular
81	MORE SADANANDAM	47	Assistant Professor	Male	M.Tech	120	Yes	16-03-2015	--	Regular
82	G SHARADHA	34	Assistant Professor	Female	M.Tech	84	Yes	30-07-2018	--	Regular
83	S NAGA ASLESHA	34	Assistant Professor	Male	M.Tech	58	Yes	17-02-2020	--	Regular
84	MUDUSU PRIYANKA	34	Assistant Professor	Female	M.Tech	58	Yes	18-02-2020	--	Regular
85	N ANUSHA	31	Assistant Professor	Female	MBA	91	Yes	30-12-2016	--	Regular
86	N SWETHA	31	Assistant Professor	Female	MBA	62	Yes	05-05-2019	--	Regular
87	G BALAKRISHNA REDDY	53	Assistant Professor	Male	MBA	64	Yes	01-08-2019	--	Regular
88	RAHUL REDDY KOMMIDI	33	Assistant Professor	Male	M.Tech	72	Yes	02-02-2018	--	Regular
89	RAVI LAKKOJU	56	Assistant Professor	Male	M.Tech	108	Yes	08-12-2015	--	Regular
90	UDAYASRI PABBU	39	Assistant Professor	Female	M.Tech	135	Yes	20-05-2013	--	Regular
91	SANDHYA BOLLA	41	Assistant Professor	Female	M.Tech	151	Yes	25-06-2011	--	Regular
92	KALPANA RAGUTLA	40	Associate Professor	Female	M.Tech	199	Yes	29-06-2007	--	Regular
93	KAMMA ASHOK BABU	49	Associate Professor	Male	M.Tech	259	Yes	25-11-2002	--	Regular
94	PALLE SWETHA	41	Assistant Professor	Female	M.Tech	115	Yes	02-07-2014	--	Regular
95	B Surekha	39	Assistant Professor	Female	M.Tech	120	Yes	03-02-2015	--	Regular
96	MEDI SWATHI	33	Assistant Professor	Female	M.Tech	67	Yes	25-11-2020	--	Regular

97	SAMPATH VIJAYARANGAM	44	Professor	Male	Ph.D	216	Yes	29-06-2020	--	Regular
98	GUNASEKARAN K	40	Professor	Male	Ph.D	187	Yes	30-06-2020	--	Regular
99	C KOTTEESWARAN	42	Professor	Male	Ph.D	211	Yes	30-06-2020	--	Regular
100	SAMPATH KORRA	41	Professor	Male	Ph.D	216	No	05-12-2020	12-11-2024	Regular
101	YESGA HARATHI	29	Assistant Professor	Female	M.Tech	41	Yes	08-03-2021	--	Regular
102	SRUTHI ANNU	30	Assistant Professor	Female	M.Tech	79	Yes	01-09-2017	--	Regular
103	RAMAVATH MAHENDER	33	Assistant Professor	Male	M.Tech	79	Yes	09-01-2018	--	Regular
104	SHWETHA KODIPARTHI	34	Assistant Professor	Female	M.Tech	39	Yes	01-04-2021	--	Regular
105	BHAMIDI KAMESHWARI NAGA PRIYANKA	34	Assistant Professor	Female	M.Tech	65	Yes	01-12-2020	--	Regular
106	KAMBALAPALLY LAKSHMI	28	Assistant Professor	Female	M.Tech	37	Yes	01-07-2021	--	Regular
107	MANDALA RAJKUMAR	34	Assistant Professor	Male	M.Tech	91	Yes	16-12-2019	--	Regular
108	AVULA LAKSHMAIAH	33	Assistant Professor	Male	M.Tech	91	Yes	16-12-2019	--	Regular
109	TEKULA ASHWINI	31	Assistant Professor	Female	M.Tech	73	Yes	01-09-2020	--	Regular
110	SHAKEEL SHEK	32	Assistant Professor	Male	M.Tech	91	Yes	17-01-2020	--	Regular
111	MANDULA ASHOK	32	Assistant Professor	Male	M.Tech	85	Yes	20-06-2020	--	Regular
112	JAGIRI SUSHMITHA	29	Assistant Professor	Female	M.Tech	43	Yes	20-06-2020	--	Regular
113	MUNUGALA CHALAPATHI RAO	41	Assistant Professor	Male	M.Sc.	193	Yes	07-01-2008	--	Regular
114	LAVANYA NAGILLA	30	Assistant Professor	Female	M.Sc.	79	Yes	12-03-2021	--	Regular
115	VARALA SWAPNA	31	Assistant Professor	Female	M.Sc.	41	Yes	24-02-2021	--	Regular
116	SWATHI GADDAMEEDHI	38	Assistant Professor	Female	M.E.	150	Yes	16-02-2012	--	Regular
117	Dr S R MUGUNTHAN	45	Professor	Male	Ph.D	198	Yes	22-01-2018	--	Regular
118	Dr T CHARAN SINGH	44	Associate Professor	Male	Ph.D	168	Yes	11-05-2013	--	Regular
119	Dr CH NARASHIMA CHARY	44	Associate Professor	Male	Ph.D	144	No	07-07-2011	18-09-2024	Regular
120	K KRISHNA	38	Assistant Professor	Male	M.Tech	144	Yes	01-10-2014	--	Regular
121	VELUGATI SRUJANA	36	Assistant Professor	Female	M.Tech	91	Yes	19-01-2017	--	Regular
122	NAGARAJU POTHUMUDI	49	Assistant Professor	Male	M.Tech	55	Yes	15-04-2021	--	Regular

123	GUDDAM AMARAVATHI	36	Assistant Professor	Female	MBA	91	Yes	01-02-2019	--	Regular
124	MADHAVI TALLAAPANENI	44	Assistant Professor	Female	MBA	91	Yes	02-11-2019	--	Regular
125	KANAKA MAHA LAKSHMI ISSAKU	43	Assistant Professor	Female	MBA	103	Yes	18-11-2019	--	Regular
126	SATYAM MEDABALIMI	41	Assistant Professor	Male	MBA	151	Yes	06-01-2020	--	Regular
127	J Rakesh Sharan	38	Associate Professor	Male	M.Tech	144	Yes	06-06-2012	--	Regular
128	Ch Sairam	44	Associate Professor	Male	M.Tech	132	Yes	01-01-2015	--	Regular
129	R SOWMYA	33	Assistant Professor	Female	M.Tech	96	Yes	15-12-2015	--	Regular
130	A SUDHEER	39	Assistant Professor	Male	M.Tech	120	Yes	02-01-2017	--	Regular
131	E PAVITRA	36	Assistant Professor	Female	M.Tech	120	Yes	01-10-2016	--	Regular
132	SNVASRK PRASAD	35	Assistant Professor	Male	M.Tech	120	Yes	27-10-2016	--	Regular
133	Dr P Mallesham	69	Professor	Male	Ph.D	193	Yes	07-05-2008	--	Regular
134	M Srinivas Rao	44	Associate Professor	Male	M.E.	216	Yes	20-09-2006	--	Regular
135	A Pramod Reddy	34	Assistant Professor	Male	M.Tech	120	Yes	06-01-2015	--	Regular
136	A C Raghu Kishore	42	Assistant Professor	Male	M.Tech	101	Yes	21-12-2015	--	Regular
137	Sruthi Bikumalla	33	Assistant Professor	Female	M.Tech	85	Yes	29-07-2016	--	Regular
138	Attukuri Bharathi	31	Assistant Professor	Female	M.Tech	88	Yes	09-01-2017	--	Regular
139	K Vijayakumar	39	Assistant Professor	Male	M.Tech	73	Yes	03-07-2017	--	Regular
140	E Venkatesh	35	Assistant Professor	Male	M.Tech	120	Yes	01-06-2013	--	Regular
141	J Srinivas	39	Assistant Professor	Male	M.Tech	108	Yes	01-06-2014	--	Regular
142	B Krishna	36	Assistant Professor	Male	M.Tech	108	Yes	01-06-2014	--	Regular
143	T Aravind	41	Assistant Professor	Male	M.Tech	121	Yes	15-06-2017	--	Regular
144	B Vineeth	31	Assistant Professor	Male	M.Tech	78	Yes	02-02-2018	--	Regular
145	P Ashok kumar	32	Assistant Professor	Male	M.Tech	60	Yes	04-11-2019	--	Regular
146	V Veeranagulu	37	Assistant Professor	Male	M.Tech	60	Yes	08-11-2019	--	Regular
147	Y Suresh	37	Assistant Professor	Male	M.Tech	60	Yes	14-11-2019	--	Regular
148	Dr S P SENTHIL KUMAR	55	Professor	Male	Ph.D		No	03-01-2019	06-10-2022	Regular
149	D Rajendra babu	57	Associate Professor	Male	M.Tech	372	Yes	04-06-2012	--	Regular
150	D Swapna	32	Assistant Professor	Female	M.Tech	89	Yes	03-07-2017	--	Regular
151	M Swathi	33	Assistant Professor	Female	M.Tech	50	Yes	20-08-2018	--	Regular
152	L Krishna	30	Assistant Professor	Male	M.Tech	72	Yes	16-11-2018	--	Regular
153	M Joshna	32	Assistant Professor	Male	M.Tech	72	Yes	05-11-2018	--	Regular

154	B Lalitha	31	Assistant Professor	Female	M.Tech	60	Yes	30-10-2019	--	Regular
155	SHAIK RAHIMAN	29	Assistant Professor	Male	M.Tech	59	Yes	18-02-2020	--	Regular
156	M NARASIMHA SWAMI	32	Assistant Professor	Male	M.Tech	58	Yes	04-03-2020	--	Regular
157	D Shilpa	32	Assistant Professor	Female	M.Tech	84	Yes	14-12-2017	--	Regular
158	S Sai padmaja	33	Assistant Professor	Female	M.Tech	72	Yes	05-11-2018	--	Regular
159	S Revathi	31	Assistant Professor	Female	M.Tech	72	Yes	03-11-2018	--	Regular
160	A Soumya	32	Assistant Professor	Female	M.Tech	72	Yes	21-06-2018	--	Regular
161	M Sukruthi	31	Assistant Professor	Female	M.Tech	72	Yes	12-11-2018	--	Regular
162	A SANDEEP	38	Assistant Professor	Male	M.Tech	147	Yes	31-07-2017	--	Regular
163	K PRAVEENA	31	Assistant Professor	Female	M.Tech	84	Yes	31-07-2018	--	Regular
164	K MAHESH KUMAR	35	Assistant Professor	Male	M.Tech	124	Yes	02-01-2019	--	Regular
165	K VIJAYA LAKSHMI	32	Assistant Professor	Female	M.Tech	83	Yes	10-06-2019	--	Regular
166	B NAVYA	33	Assistant Professor	Female	M.Tech	92	Yes	28-08-2019	--	Regular
167	B VARIJA	45	Assistant Professor	Female	M.Tech	160	Yes	16-11-2019	--	Regular
168	R KRANTHI KUMAR	32	Assistant Professor	Male	M.Tech	90	Yes	15-12-2019	--	Regular
169	Dr N C SENDHILKUMAR	43	Professor	Male	Ph.D	245	Yes	19-12-2016	--	Regular
170	Pise Prashant Saswathrao	49	Associate Professor	Male	M.Tech	228	Yes	20-05-2013	--	Regular
171	Dr P Ramesh	37	Professor	Male	Ph.D	168	Yes	01-03-2020	--	Regular
172	Dr P MUKUNTHAN	49	Professor	Male	Ph.D	252	Yes	01-12-2016	--	Regular
173	Dr N SUBASH	49	Professor	Male	Ph.D	168	Yes	02-02-2018	--	Regular
174	Dr G SURESH	46	Professor	Male	Ph.D	216	Yes	15-11-2018	--	Regular
175	Dr MARTIN SAHAYARAJ	40	Professor	Male	Ph.D	156	Yes	05-02-2018	--	Regular
176	M SAMPOORNA	34	Assistant Professor	Female	M.Tech	148	Yes	28-02-2015	--	Regular
177	KONDA SHIRISHA	36	Assistant Professor	Female	M.Tech		No	06-01-2015	14-07-2022	Regular
178	ABDUL KHAJA PASHA	38	Assistant Professor	Male	M.Tech	170	Yes	20-05-2013	--	Regular
179	Dr N SADHASIVAM	41	Professor	Male	Ph.D		No	08-02-2018	31-08-2022	Regular
180	BANDI VYSHALI	30	Assistant Professor	Female	M.Tech	41	Yes	01-03-2021	--	Regular
181	KOMMU ANUSHA KOMMU ANUSHA	33	Assistant Professor	Female	M.Tech	67	Yes	22-11-2018	--	Regular
182	J S Radhika	39	Assistant Professor	Female	M.Tech	125	Yes	03-02-2015	--	Regular
183	G Anusha	31	Assistant Professor	Female	M.Tech	73	Yes	14-12-2018	--	Regular
184	K Priyanka	33	Assistant Professor	Female	M.Tech	84	Yes	23-07-2019	--	Regular

185	SHADNAGAR DYAGA ANUSHNA	32	Assistant Professor	Female	M.Tech	51	Yes	03-03-2021	--	Regular
186	K S RANADHEER KUMAR	43	Assistant Professor	Male	M.A	123	Yes	16-04-2012	--	Regular
187	DUGYALA MOUNIKA	34	Assistant Professor	Female	M.Tech	79	Yes	02-01-2017	--	Regular
188	M Manasa	35	Assistant Professor	Female	M.Tech	98	Yes	28-05-2016	--	Regular
189	A CHITTY	36	Assistant Professor	Female	M.Tech	144	Yes	01-12-2016	--	Regular
190	B SURESH	35	Assistant Professor	Male	M.Tech	148	Yes	16-12-2015	--	Regular
191	BURRA SWARNASRI	30	Assistant Professor	Female	M.Tech	68	Yes	09-01-2020	--	Regular
192	DR NETHA RAO BHASKAR	59	Professor	Male	Ph.D	144	Yes	26-05-2015	--	Regular
193	D DHARMA	46	Assistant Professor	Male	M.Tech	27	Yes	02-03-2022	--	Regular
194	B SANTHOSH KUMAR	35	Assistant Professor	Male	M.Tech	30	Yes	23-04-2022	--	Regular
195	T GURU MURTHY	48	Assistant Professor	Male	M.Tech	30	Yes	26-04-2022	--	Regular
196	T RATNA BINDU	41	Assistant Professor	Female	M.Tech	30	Yes	07-07-2022	--	Regular
197	NARESH RAMAVATH	32	Assistant Professor	Male	M.Tech	28	Yes	28-03-2022	--	Regular
198	SURYAPRAKASH AMGOTHU	38	Assistant Professor	Male	M.Tech	28	Yes	17-03-2022	--	Regular
199	Dr N TAMILARASAN	44	Assistant Professor	Male	Ph.D	24	Yes	19-06-2022	--	Regular
200	Dr K S SADASIVARAO	55	Assistant Professor	Male	Ph.D	28	Yes	05-02-2022	--	Regular
201	Dr S KISHORE VERMA	42	Assistant Professor	Male	Ph.D	25	Yes	19-05-2022	--	Regular
202	KONYALA MOUNIKA	37	Assistant Professor	Female	M.Tech	18	Yes	12-01-2022	--	Regular
203	HYMAVATHI PIRANGI	29	Assistant Professor	Female	M.Tech	27	Yes	03-01-2022	--	Regular
204	SNEHA PIRANGI	30	Assistant Professor	Female	M.Tech	27	Yes	03-01-2022	--	Regular
205	KETHAVATH NAGU	34	Assistant Professor	Male	M.Tech	24	Yes	04-06-2022	--	Regular
206	SHARADA MANDALOJU	31	Assistant Professor	Male	M.Tech	30	Yes	07-01-2022	--	Regular
207	K VIJAY KUMAR	39	Assistant Professor	Male	M.Tech	30	Yes	09-01-2022	--	Regular
208	K RAJITHA	33	Assistant Professor	Female	M.Tech	28	Yes	10-01-2022	--	Regular
209	ARCHANA KONGARA	39	Assistant Professor	Female	M.Tech	30	Yes	03-01-2022	--	Regular
210	ANUSHA CHINTA	42	Assistant Professor	Female	M.Tech	26	Yes	07-04-2022	--	Regular
211	DHAMALA ROOPA	36	Assistant Professor	Female	M.Tech	28	Yes	02-02-2022	--	Regular

212	G MANASA	35	Assistant Professor	Female	M.Tech	22	Yes	24-08-2022	--	Regular
213	K S ARCHANA	44	Assistant Professor	Female	M.Tech	19	Yes	15-11-2022	--	Regular
214	D KEERTHI REDDY	29	Assistant Professor	Female	M.Tech	28	Yes	09-01-2022	--	Regular
215	SRIVIDYA JILAKAPALLY	39	Assistant Professor	Female	M.Tech	28	Yes	03-02-2022	--	Regular
216	SANTHOSHI TOTA SAI	31	Assistant Professor	Female	M.Tech	26	Yes	07-04-2022	--	Regular
217	Dr P SELVA GANAPATHI	34	Assistant Professor	Male	Ph.D	19	Yes	03-11-2022	--	Regular
218	Dr S RAMU	55	Assistant Professor	Male	Ph.D	22	Yes	07-08-2022	--	Regular
219	Dr K PRABAKARAN	39	Assistant Professor	Male	Ph.D	27	Yes	11-03-2022	--	Regular
220	Dr K GOBALA KRISHNAN	36	Assistant Professor	Male	Ph.D	28	Yes	03-02-2022	--	Regular
221	Dr K P KUMARAN	37	Assistant Professor	Male	Ph.D	28	Yes	03-02-2022	--	Regular
222	CH RAVALI	28	Assistant Professor	Female	M.Sc.	21	Yes	11-07-2022	--	Regular
223	T SRINIVASULU	50	Assistant Professor	Male	M.Sc.	19	Yes	17-11-2022	--	Regular
224	Dr S P MEENA	44	Assistant Professor	Female	Ph.D	28	Yes	25-02-2022	--	Regular
225	Dr S RAMESH KUMAR	37	Assistant Professor	Male	Ph.D	30	Yes	14-03-2022	--	Regular
226	Dr T JAYA KUMAR	42	Assistant Professor	Male	Ph.D	30	Yes	21-03-2022	--	Regular
227	Dr C RAJEEV GANDHI	41	Assistant Professor	Male	Ph.D	30	Yes	21-03-2022	--	Regular
228	Dr P ANAND	39	Assistant Professor	Male	Ph.D	20	Yes	27-10-2022	--	Regular
229	Dr K SATHIYA MURTHY	37	Assistant Professor	Male	Ph.D	27	Yes	21-03-2022	--	Regular
230	T JAYA KRISHNA	42	Assistant Professor	Male	Ph.D	25	Yes	13-05-2022	--	Regular
231	A SWARNA LATHA	26	Assistant Professor	Female	MBA	24	Yes	15-06-2022	--	Regular
232	R VENKATESHWARLU	47	Assistant Professor	Male	M.Sc.	24	Yes	06-06-2022	--	Regular
233	M MADHAVI	30	Assistant Professor	Female	M.Tech	30	Yes	07-01-2022	--	Regular
234	Dr ADELINE JOHNSANA SAMVEL JAMES	40	Assistant Professor	Female	Ph.D	29	Yes	23-02-2022	--	Regular
235	SOUJANYA SATLA	31	Assistant Professor	Female	M.Tech	23	Yes	06-07-2022	--	Regular
236	E MOUNIKA REDDY	31	Assistant Professor	Female	M.Tech	29	Yes	07-02-2022	--	Regular
237	YERRAGINNELA SHRAVANI	33	Assistant Professor	Female	M.Tech	26	Yes	18-04-2022	--	Regular
238	MANCHALA LAXMI	34	Assistant Professor	Female	M.Tech	29	Yes	02-02-2022	--	Regular

239	GUDDETI MOUNIKA	30	Assistant Professor	Female	M.Tech	30	Yes	04-01-2022	--	Regular
240	DEVARASHETTI DEEPA	40	Assistant Professor	Female	M.Tech	29	Yes	05-02-2022	--	Regular
241	KONGARI TEJASRI	28	Assistant Professor	Female	M.Tech	23	Yes	16-07-2022	--	Regular
242	PATHI NAVEEN KUMAR	33	Assistant Professor	Male	M.Tech	30	Yes	04-01-2022	--	Regular
243	N MADHU BHAVANI	30	Assistant Professor	Female	M.Tech	30	Yes	04-01-2022	--	Regular
244	SHALINI BODDUPALLY	37	Assistant Professor	Female	M.Tech	25	Yes	21-03-2022	--	Regular
245	NAYAKI RAMI REDDY	32	Assistant Professor	Male	M.Tech	28	Yes	03-03-2022	--	Regular
246	BHARATHI ANANTHA	31	Assistant Professor	Female	M.Tech	26	Yes	18-05-2022	--	Regular
247	KISHORE PONNAM	36	Assistant Professor	Male	M.Tech	27	Yes	24-03-2022	--	Regular
248	SUMA DUDAKA	41	Assistant Professor	Female	M.Tech	27	Yes	22-03-2022	--	Regular
249	BANAVATH SARITHA	26	Assistant Professor	Female	M.Tech	31	Yes	06-01-2022	--	Regular
250	KALYANI VASPARI	31	Assistant Professor	Female	M.Tech	25	Yes	09-07-2022	--	Regular
251	PALABINDELA EKAMBHARAM	33	Assistant Professor	Male	M.Tech	30	Yes	06-02-2022	--	Regular
252	BACHU PRADEEP KUMAR	33	Assistant Professor	Male	M.Tech	25	Yes	23-06-2022	--	Regular
253	DEIVANAYAGAM SATHIYA MOORTHY	48	Assistant Professor	Male	M.Tech	23	Yes	12-09-2022	--	Regular
254	IRIGI LINGA SWAMY	35	Assistant Professor	Male	M.Tech	28	Yes	01-04-2022	--	Regular
255	PRIYANGA PRIYANGA	36	Assistant Professor	Female	M.Tech	28	Yes	01-04-2022	--	Regular
256	DOMALAPALLI CHITTY	35	Assistant Professor	Female	M.Tech	23	Yes	10-09-2022	--	Regular
257	S Vishawaja	31	Assistant Professor	Female	M.Tech	72	Yes	21-06-2018	--	Regular
258	G NATARAJA SHEKHAR	33	Assistant Professor	Male	M.Tech	96	Yes	01-09-2016	--	Regular
259	PARANTHAMAN LAKSHMI	43	Assistant Professor	Female	M.Tech	204	Yes	04-01-2023	--	Regular
260	NAGENDRABABU CHERKUPALLY	34	Associate Professor	Male	M.Tech	94	Yes	04-01-2023	--	Regular
261	SUDHARANI GATTU	32	Associate Professor	Female	M.Tech	85	Yes	02-06-2023	--	Regular
262	D VENKATESAN	35	Associate Professor	Male	Ph.D	98	Yes	04-10-2023	--	Regular
263	SATHIYASEELAN MANISEKAR	36	Assistant Professor	Male	M.Sc.	108	Yes	03-02-2023	--	Regular

264	KORANKI VIJAY KUMAR	29	Assistant Professor	Male	M.Tech	32	Yes	01-09-2023	--	Regular
265	BHANDARI GOUTHAMI	32	Assistant Professor	Female	M.Tech	73	Yes	04-01-2023	--	Regular
266	NEELIMA MUDRAKOLA	32	Assistant Professor	Female	M.Sc.	58	Yes	02-08-2023	--	Regular
267	MANCHALA LAXMI	34	Assistant Professor	Female	M.Tech	87	Yes	04-01-2023	--	Regular
268	KONDURI JASHWANTHY	29	Assistant Professor	Female	M.Tech	33	Yes	04-04-2023	--	Regular
269	M Raju	43	Assistant Professor	Male	M.Tech	211	Yes	04-04-2023	--	Regular
270	DAMERA SOWJANYA	37	Assistant Professor	Female	M.Tech	119	Yes	04-04-2023	--	Regular
271	C ERNEST SAMUEL	42	Assistant Professor	Male	M.Tech	161	Yes	04-01-2023	--	Regular
272	DHAVALA SRINIVASA RAO	41	Assistant Professor	Male	M.Tech	168	Yes	03-06-2023	--	Regular
273	BURULU MADHAVI	34	Assistant Professor	Female	M.Tech	95	Yes	04-01-2023	--	Regular
274	PAVANI LIKKI	41	Assistant Professor	Female	M.E.	167	Yes	04-01-2023	--	Regular
275	G MAHESHWARI	30	Assistant Professor	Female	M.Tech	51	Yes	04-03-2023	--	Regular

MoE's INNOVATION CELL (GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL

Letter of Appreciation

Dear Sir/Madam,

Please accept our sincere gratitude to all the chief functionaries and every members of the IIC Institution's Innovation Council (IIC) of Sri Indu College of Engineering and Technology for the continuous support and contribution towards building the innovation and entrepreneurship culture development in your campus and also extending support to help other IIC institutions towards growth of the IIC network during the academic year 2023-24.

Chief Functionaries of the IIC at Sri Indu College of Engineering and Technology, Hyderabad

Name	**Position**
Dr. G.Suresh	President
Dr.P.Mallesham	NISP Co-ordinator
EASARI PARUSHARAMU	Innovation Activity,Member
Dr. N.C.Sendhilkumar	IPR Activity Coordinator,Vice President
Dr. N.Sadhasivam	Internship Activity Coordinator
RAKESH SHARAN.Jonnakuti	Social Media Coordinator
Abdul Khaja Pasha	Start up Activity Coordinator,Member
Dr. Joseph Prabhakar Williams	Convener,Member
Dr. P MUKUNTHAN	ARIIA Coordinator,NIRF Coordinator

As we are progressing towards a 'quality' driven I&E ecosystem development, we strongly believe that the IIC model and its unique structure is definitely putting your HEI's thoughts, actions and aspirations in a systematic way to achieve inclusive and holistic development of the ecosystem.

Thanks & regards.

Yours Sincerely,

Dipan Kumar Sahu

Assistant Innovation Director
MoE's Innovation Cell, Govt. of India

INTELLECTUAL PROPERTY INDIA

सत्यमेव जयते

NIPAM
NATIONAL IP AWARENESS MISSION

Government of India
Ministry of Commerce and Industry
Department for Promotion of Industry and Internal Trade
Office of the Controller General of Patents, Designs and Trade Marks

CERTIFICATE OF APPRECIATION

Presented to

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY (A), SHERIGUDA, IBRAHIMPATNAM, HYDERABAD

In recognition of active participation in the ***National Intellectual Property Awareness Mission (NIPAM)*** *launched by the Government of India on the occasion of the 75th anniversary of independence under the banner "Azadi Ka Amrit Mahotsav" to create widespread awareness on Intellectual Property Rights (IPR). The exceptional contribution in successfully organizing the awareness programme on* ***August 16, 2024*** *in association with* ***Intellectual Property Office, Chennai*** *by providing your valuable time and support is highly appreciated.*

Solicit your continued support for outreach of IPR far and wide.

Date: November 13, 2024

(Prof. (Dr) Unnat P. Pandit)
CONTROLLER GENERAL OF
PATENTS, DESIGNS & TRADE MARKS