Sri Vasavi Institute of Engineering and Technology

(**Approved by AICTE, New Delhi and affiliated to JNTUK, Kakinada)**
Nandamuru, Pedana, Krishna Dt., Andhra Pradesh
www.sviet.edu.in

... Empowering Minds

Department of Electronics & Communication Engineering

Self Assessment Report

B.Tech in Electronics & Communication Engineering
Submitted to

NATIONAL BOARD OF ACCREDITATION
4th Floor, East Tower, NBCC Place
Bhisham Pitamah MArg Pragati Vihar
New Delhi- 110003, INDIA
January -2019

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PART A: Institutional Information

1. **Name and Address of the Institution:**

   Sri Vasavi Institute of Engineering and Technology

   Nandamuru, Pedana Mandal, Krishna District – 521369, Andhra Pradesh

2. **Name and Address of the Affiliating University:**

   Jawaharlal Nehru Technological University, Kakinada (JNTUK)

   Kakinada – 533003 .

3. **Year of establishment of the Institution:**2008

4. **Type of Institution:**

University:	☐
Deemed University:	☐
Government Aided:	☐
Autonomous:	☐
Affiliated:	☑

5. **Ownership Status:**

Central Government:	☐
State Government:	☐
Government Aided:	☐
Self-Financing:	☑
Trust:	☐
Society	☑
Section 25 Company	☐
Any other (Please specify)	☐

Provide Details: Sri Vasavi Educational Society, Door No. 7/264, Godugupet, Machilipatnam

6. **Other Academic Institutions of the Trust/ Society/Company etc., If any: No**

Table A.6 **Note: Add rows as needed.**

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

S.No.	Program Name	Name of the Department	Year of Start	Intake	Increase in Intake, if any	Year of Increase	AICTE Approval	Accreditation Status*
1	B.Tech	Computer Science and Engineering	2008	60	60	2010	1-4279961/2010/ EOA dated 23-08-2010	Applying first time
2	B.Tech	Electronics and Communication Engineering	2008	60	60	2009	1-4/2009-TS-II dated 12-08-09	Applying first time
3	B.Tech	Mechanical Engineering	2010	60				Applying first time
4	B.Tech	Civil Engineering	2009	60				Eligible but not applied
5	B.Tech	Electrical and Electronics Engineering	2008	60				Eligible but not applied
6	M.Tech	Computer Science and Engineering (CSE)	2012	18				Eligible but not applied
7	M.Tech	ECE (VLSI System Design)	2012	18				Eligible but not applied

Table A.7

write applicable one:

- ***Applying first time***
- ***Granted provisional accreditation for two/ three years for the period (specify period)***
- ***Granted accreditation for 5/6 years for the period (specify period)***
- ***Not accredited (specify visit dates, year)***
- ***Withdrawn (specify visit dates, year)***
- ***Not eligible for accreditation***
- ***Eligible but not applied***

8. Programs to be considered for accreditation vide this application:

S. No.	*Program Name*
1	UG-B.Tech (Computer Science &Engineering)
2	UG-B.Tech(Electronics &Communication Engineering)
3	UG-B.Tech (Mechanical Engineering)

Table A.8

9. Total number of employees in the institution:

A. Regular Employees (faculty and staff):

Items		CAY		CAYm1		CAYm2	
		Min	Max	Min	Max	Min	Max
Faculty in Engineering	M	60	64	62	70	66	72
	F	14	17	15	19	12	16
Faculty in Math's, Science & Humanities	M	20	22	18	23	18	23
	F	3	4	4	6	4	7
Non- teaching staff	M	77	81	87	89	87	91
	F	15	17	12	14	10	12

Table A.9a

Note: Minimum 75% should be Regular/Full time faculty and the remaining shall be contractual faculty as per AICTE norms and standards.

The contractual faculty (doing away with the terminology of visiting/adjunct faculty, whatsoever) who have taught for 2 consecutive semesters in the corresponding academic year on full time basis shall be considered for the purpose of calculation in the student faculty ratio

CAY – Current Academic Year

CAYm1 – Current Academic Year minus 1 = Current Assessment Year

CAYm2 – Current Academic Year minus 2 = Current Assessment Year minus 1

B. Contractual Staff Employees (Faculty and Staff): (Not covered in Table A): NIL

Items		CAY		CAYm1		CAYm2	
		Min	Max	Min	Max	Min	Max
Faculty in Engineering	M	-	-	-	-	-	-
	F	-	-	-	-	-	-
Faculty in Math's, Science & Humanities	M	-	-	-	-	-	-
	F	-	-	-	-	-	-
Non- teaching staff	M	-	-	-	-	-	-
	F	-	-	-	-	-	-

Table A.9b

10. Total number of Engineering Students:

A: UG

Item	CAY 2018-19	CAYm1 2017-18	CAYm2 2016-17
Total no. of boys	669	746	777
Total no. of girls	641	675	725
Total no. of students	1310	1421	1502

Table A.10

CRITERION 1	Vision, Mission and Program Educational Objectives	60

1. VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (60)

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

INSTITUTE VISION

To emerge as a premier engineering institution in rural India imparting values based education for socio-economic upliftment

INSTITUTE MISSION

IM1: Provide the most creative learning environment for Technical Excellence of stakeholders

IM_2: Promote industry-institute interaction for skill enhancement and to meet the industry needs

IM_3: Create an environment to the stakeholders to be good citizens with integrity and morality.

IM_4: Committed to improve technical excellence, ethical values continuously.

DEPARTMENT VISION

To become centre of excellence in Electronics and Communication Engineering to meet the challenges of industry and the society.

DEPARTMENT MISSION

DM_1: To impart high quality education to enable students to face challenges of Electronics and Communication Engineering.

DM_2: To provide all possible support to promote activities in the related areas of VLSI, Communications, Signal Processing, and Micro Processors & Micro Controllers.

DM_3: To inculcate ethical, professional values and life-long learning skills to address the societal needs.

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

PEO 1: Graduates shall accomplish Excellence in professional career and pursue higher studies with innovation.

PEO 2: Graduates shall be competent professionals by inculcating values with profound knowledge in Electronics and Communication Engineering.

PEO 3: Graduates shall have an attitude to apply technical knowledge to solve real time industrial problems and develop lifelong learning attitude.

PEO 4: Graduates shall aware of multi disciplinary knowledge in the context of teamwork.

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

a. Display of V/M/PEO

The V/M/PEO are displayed in

- College website
- Class rooms
- Staff rooms
- Corridors
- Broachers
- Manuals
- Handouts
- Course files
- Laboratories
- Magazines

b. Dissemination of V/M/PEO

Alumni
During orientation
Annual meeting reports by Principal
Drives

(Describe where(websites, curriculam, posters etc.) the Vision, Mission and PEOs are published and detail the process which ensures awareness among internal and externals take holders with effective process implementation)
(Internal stakeholders may include Management, Governing Board Members, faculty, support staff, students etc. and external stakeholders may include employers, industry, alumni, funding agencies, etc.)

S. No	Internal Stake Holders	External Stake Holders
1	Board of Governors	Parents
2	Faculty members	Employers

3	Technical staff	Alumni
4	Students	Industry

Department Vision, Mission and PEO's are published in

Particulars	Internal Stake Holders	External Stake Holders
College website (www.sviet.edu.in)	Yes	Yes
HoD Office	Yes	
Department notice board	Yes	
Department corridors	Yes	
Department library	Yes	
Department Journal	Yes	Yes
Course Files	Yes	
Research lab	Yes	
MP&MC Lab	Yes	
EDC Lab	Yes	
Communication Lab	Yes	
MWE Lab	Yes	

Department Vision, Mission and PEO's are disseminated among Stake Holders by Discussing in

Particulars	Internal Stake Holders	External Stake Holders
GB Meeting		Yes
HOD Meeting with faculty	Yes	
HOD Meeting with Staff	Yes	
HOD Meeting with Students	Yes	
HOD Meeting with Parents		Yes

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

(Articulate the process for defining the vision and mission of the department and PEOs of the program)

Formulated statements of Vision, Mission and PEOs of the undergraduate programme in Electronics and Communication Engineering Department are a result of rigorous discussions amongst the internal stakeholders and feedback of the program. The Vision emphasizes on the all-round development of the students which will help them to become a successful engineer. The Mission statement focuses on the on-going academic processes which accomplish the Vision in long term. PEO statements are the core

objectives on fulfilment of which it can be stated with assurance that department's Mission and Vision will be achieved.

Steps involved in drafting the departments' Vision and Mission:

Step 1: Institute's Vision and Mission is taken as the basis.
Step 2: DAC (Department Assessment Committee) addresses the major goals of the department, on basis of which initial draft of the Vision and Mission statements are prepared.
Step 3: The statements are circulated among the faculty members, students, alumni and employers. Necessary modifications are made by incorporating the suggestions.
Step 4: The draft is presented in GB meeting to check for consistency with institute's Vision and Mission and thereafter the finalized statements are documented.

Steps involved in drafting the Program Educational Objectives of the department:

Step 1: The Mission of the Department is taken as the basis for defining the PEOs.
Step 2: DAC addresses the changing needs of the industry and society in a set of discussions to come up with the first draft of the PEOs.
Step 3: Feedback of the stakeholders such as Students, Alumni and Employers are taken into account to make modification in the first suggested draft of the PEOs.
Step 4: The re-structured draft of the PEOs is thereafter discussed and reviewed among the faculty members in the Department Meeting.
Step 5: The PEOs are reviewed again by the DAC for consistency with the Mission of the Department and thereafter the finalized statements are documented.

1.4.1 The process involved in defining the Vision, Mission of the Department

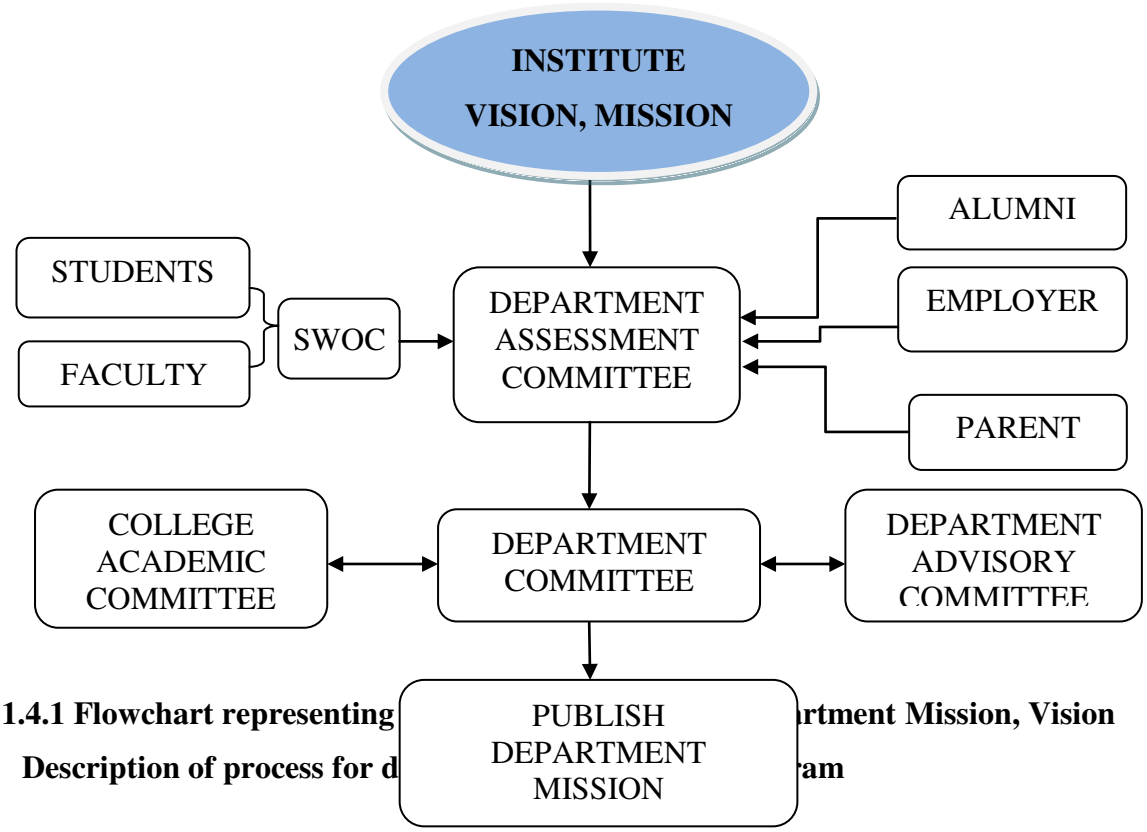
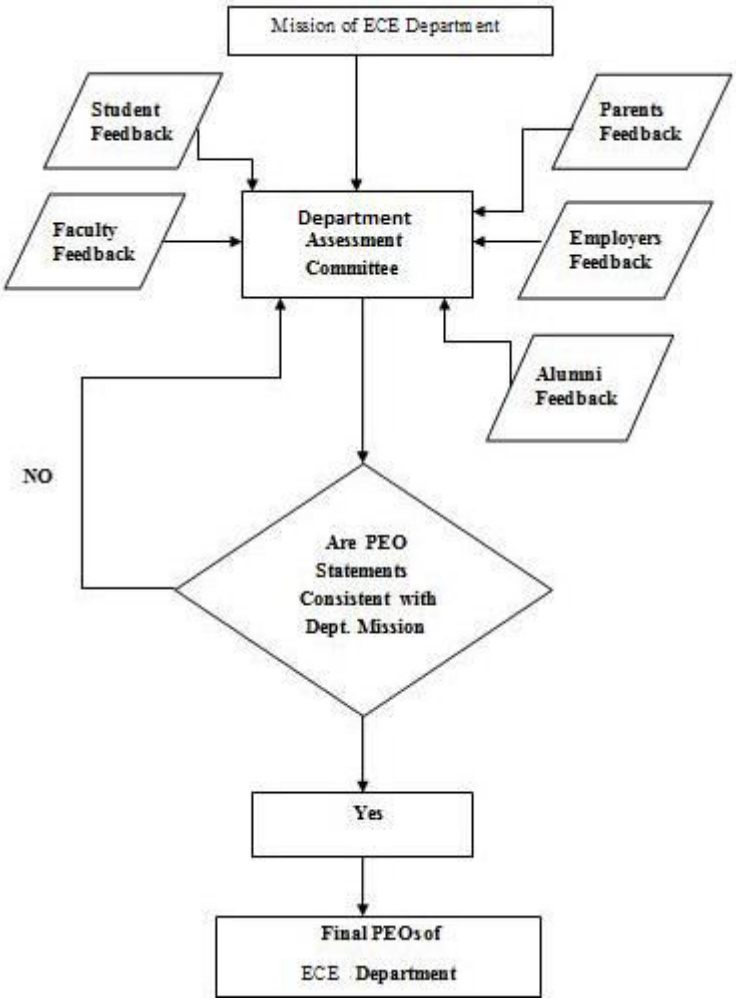


Fig C1.4.1 Flowchart representing **rtment Mission, Vision**

1.4.2 Description of process for d **am**



1.5 Establish consistency of PEOs with mission of the department (15)

1.5.1 Preparation of a matrix of PEOs and elements of Mission statement

Note : M1, M2, . . Mn are distinct elements of Mission statement.

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)If there is no correlation, put "-"

Note: In this document wherever the term 'Process' has been used its meaning is process formulation, notification and implementation.

PEO Statements	***DM_1***	***DM_2***	***DM_3***
PEO1	3	--	2
PEO2	--	2	3
PEO3	2	--	3
PEO4	--	3	2

1.5.2 Consistency/justification of co-relation parameters of the above matrix
Program Educational Objectives

PEO 1: Graduates shall accomplish Excellence in professional career and pursue higher studies with innovation.

PEO 2: Graduates shall be competent professionals by inculcating values with profound knowledge in Electronics and Communication Engineering.

PEO 3: Graduates shall have an attitude to apply technical knowledge to solve real time industrial problems and develop lifelong learning attitude.

PEO 4: Graduates shall aware of multi disciplinary knowledge in the context of teamwork.

Mission of ECE Department

DM_1: To impart high quality education to enable students to face challenges of Electronics and Communication Engineering.

DM_2: To provide all possible support to promote activities in the related areas of VLSI, Communications, Signal Processing, and Micro Processors & Micro Controllers.

DM_3: To inculcate ethical, professional values and life-long learning skills to address the societal needs.

PEO#	DM1	DM2	DM3	Justification
PEO-1 Strong domain knowledge	3	2	-	DM1: "Excellence in professional career and pursue higher studies" is aligned to "high quality education to face challenges" DM2: "Excellence in professional career and pursue higher studies" is aligned to professional values.
PEO-2 Innovative thinking	-	3	2	DM2:" Competent professionals" is aligned to "possible support to promote activities" DM3: " Competent professionals" is aligned to Professional values"
PEO-3 Inter personnel skills and ethics	2		3	DM1: " To apply technical knowledge" is aligned to "High quality education" DM3: " Competent professionals" is aligned to "possible support to promote activities"
PEO-4 Lifelong learning	2	-	3	DM1: " Multi disciplinary knowledge" is aligned to high quality education DM3: "Team work" is aligned to "life-ling learning skills"

1.a Department Mission mapping with institution Mission

DM/IM	IM_1	IM_2	IM_3	IM_4
DM_1	3	2	-	-
DM_2	2	3	-	1
DM_3	-	-	3	3

2. PEO mappings with graduate Accomplishments

GA1: Placements and higher studies.
GA2: Competence (domain Knowledge).
GA3: T Shaped Engineer.
GA4: Professional Values, Professional Knowledge and Professional Development.
GA5: Life-long learning (environment Consciousness)

PEO/GA	GA1	GA2	GA3	GA4	GA5
PEO 1	3	-	-	3	-
PEO 2	-	3		3	-
PEO 3	-	3	2	-	-
PEO 4	2	-	3	-	-

3. PEO mapping with DM

PEO\DM	DM_1	DM_2	DM_3
PEO1	3	--	2
PEO2	--	2	3
PEO3	2	2	-
PEO4	2		2

Justification:

PEO \ DM	DM1	DM2	DM3
PEO1:	"Excellence in professional career and pursue higher studies" is aligned to "high quality education to face challenges"		"Excellence in professional career and pursue higher studies" is aligned to "professional values"
PEO2:		"Competent professionals" is aligned to "possible support to promote activities"	"Competent professionals" is aligned to "Professional values"
PEO3:	"To apply technical knowledge" is aligned to "High quality education"	"Competent professionals" is aligned to "possible support to promote activities"	

PEO4:	"Multi disciplinary knowledge" is aligned to "High quality education"		"Team work" is aligned to "life-ling learning skills"

4. PEO mapping with IM

PEO/IM	IM1	IM2	IM3	IM4
PEO1	3	2	-	-
PEO2	-	3	-	2
PEO3	2	3	-	-
PEO4	-	2	-	-

CRITERION2	ProgramCurriculumandTeaching–LearningProcesses	120

ACADEMIC YEAR 2017-18

2.PROGRAMCURRICULUMANDTEACHING-LEARNINGPROCESSES(120)

2.1.ProgramCurriculum(20)

2.1.1.Statetheprocessusedtoidentifyextentofcomplianceoftheuniversitycurriculumfor attainingtheProgramOutcomesandProgramSpecificOutcomesasmentionedinAnnexureI.Al somentiontheidentifiedcurriculargaps,ifany(10)

Sri Vasavi Institute of Engineering & Technology is affiliated to JNTU Kakinada and the curriculum for the regulation framed by the university for the academic year 2017-18 is shown as below

University curriculum for B.Tech ECE:

I Year - I Semester

S.No.	Subjects	L	T	P	Credits
1-H	English – I	4	-	--	3
2-BS	Mathematics - I	4	-	--	3
3-BS	Mathematics -II (Numerical Methods and Complex Variables)	4	-	--	3
4-BS	Applied Physics	4	-	--	3
5-ES	Computer Programming	4	-	--	3
6-ES	Engineering Drawing	1	-	3	3
7-H	English - Communication Skills Lab -1	--	-	3	2
8-BS	Applied / Engineering Physics Laboratory	--	-	3	2
9-BS	Applied / Engineering Physics /Virtual Labs - Assignments	--	-	2	--
10-ES	Engineering Workshop& IT Workshop	--		3	2
	Total Credits				**24**

I Year - II Semester

S.No.	Subjects	L	T	P	Credits
1-H	English – II	4	-		3
2-BS	Mathematics -III	4	-		3
3-BS	Applied Chemistry	4	-		3
4-ES	Electrical and Mechanical Technology	4	-		3
5-H	Environmental Studies	4	-		3
6-ES	Data Structures	4	-		3
7-BS	Applied / Engineering Chemistry Laboratory	--	-	3	2
8-H	English - Communication Skills Lab -2	--	-	3	2
9-ES	Computer Programming Lab	--	-	3	2
	Total Credits				**24**

II Year - I Semester

S.No.	Subjects	L	T	P	Credits
1-PC	Electronic Devices and Circuits	4	-	--	3
2-PC	Switching Theory and Logic Design	4	-	--	3
3-PC	Signals and Systems	4	-	--	3
4-PC	Network Analysis	4	-	--	3
5-PC	Random Variables and Stochastic Process	4	-	--	3
6-H	Managerial Economics & Financial Analysis	4	-	--	3
7-PC	Electronic Devices and Circuits Lab	--	-	3	2
8-PC	Networks & Electrical Technology Lab	--	-	3	2
	Total Credits				**22**

II Year - II Semester

S.No.	Subjects	L	T	P	Credits
1-PC	Electronic Circuit Analysis	4	-	--	3
2-PC	Control Systems	4	-	--	3
3-PC	Electromagnetic Waves and Transmission Lines	4	-	--	3
4-PC	Analog Communications	4	-	--	3
5-PC	Pulse and Digital Circuits	4	-	--	3
6-H	Management Science	4	-	--	3
7-PC	Electronic Circuit Analysis Lab	--	-	3	2
8-PC	Analog Communications Lab	--	-	3	2
	Total Credits				**22**

III Year - I Semester

S.No.	Subjects	L	T	P	Credits
1-PC	Pulse and Digital Circuits	3+1	--	--	3
2-PC	Linear I C Applications	3+1	--	--	3
3-PC	Control Systems	3+1	--	--	3
4-PC	Digital System Design & Digital IC Applications	3+1	--	--	3
5-PC	Antenna and Wave Propagation	3+1	--	--	3
6-PC	Pulse and Digital Circuits Lab	--	--	3	2
7-PC	Linear I C Applications Lab	--	--	3	2
8-PC	Digital System Design & Digital IC Applications Lab	--	--	3	2
9-H	IPR & PATENTS	3			2
	Total Credits				**23**

III Year - II Semester

S.No.	Subjects	L	T	P	Credits
1-PC	Micro Processors & Micro Controllers	3+1	--	--	3
2-PC	Digital Signal Processing	3+1	--	--	3
3-PC	Digital Communications	3+1	--	--	3
4-PC	Microwave Engineering	3+1	--	--	3
5-OE	**OPEN ELECTIVE**	3+1	--	--	3
6-PC	Micro Processors & Micro Controllers Lab	-	--	3	2
7-PC	Digital Communications Lab	-	--	3	2
8-PC	Digital Signal Processing Lab	-	--	3	2
9-PC	Seminar	-	--	2	1
	Total Credits				**22**

IV Year - I Semester

S.No.	Subjects	L	T	P	Credits
1-PC	VLSI Design	3+1	--	--	3
2-PC	Computer Networks	3+1	--	--	3
3-PC	Digital Image Processing	3+1	--	--	3
4-PC	Computer Architecture & Organization	3+1	--	--	3
5-PE	Elective I 1. Electronic Switching Systems 2. Analog IC Design 3. Object Oriented Programming & O S 4. Radar Systems 5. Advanced Computer Architecture	3+1	--	--	3
6-PE	Elective II 1. Optical Communication 2. Digital IC Design 3. Speech Processing 4. Artificial Neural Network & Fuzzy Logic 5. Network Security & Cryptography	3+1	--	--	3
7-PC	V L S I Lab	--	--	3	2
8-PC	Microwave Engineering Lab	--	--	3	2
	Total Credits				**22**

IV Year - II Semester

S.No.	Subjects	L	T	P	Credits
1-PC	Cellular Mobile Communications	3+1	--	--	3
2-PC	Electronic Measurements and Instrumentation	3+1	--	--	3
3-PE	**Elective III** 1. Satellite Communication 2. Mixed signal Design 3. Embedded systems 4. RF Circuit Design 5. Cloud Computing	3+1	--	--	3
4-PE	**Elective IV** 1. Wireless Sensors and Networks 2. System on Chip 3. Low Power IC Design 4. Bio-Medical Instrumentation	3+1	--	--	3

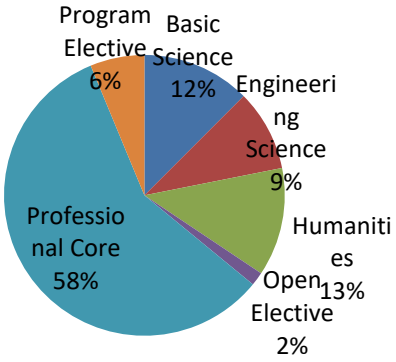
	5. EMI/EMC				
5-PC	Project & Seminar				9
	Total Credits				**21**

Total Course Credits = 48+44+45+43 = 180

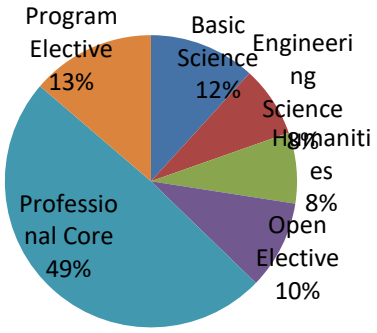
Comparison table for JNTU K Curriculum with AICTE Curriculum

		JNTU K Curriculum			**AICTE Curriculum**		
S.No.	**Course Type**	**No. of subjects**	**Credits (180)**	**Credits in %**	**No of subjects**	**AICTE Credits (160)**	**AICTE Credits in %**
1	Basic Sciences (BS)	8	19	10.5556	6	25	15.62
2	Engineering Sciences (ES)	6	13	7.22222	4	24	15
3	Humanities and socialsciences(H)	8	24	13.3333	4	12	7.5
4	Professional Core (PC)	39	109	60.5556	25	63	39.37
5	Professional Elective (PE)	4	12	6.66667	7	18	11.25
6	Open Elective (OE)	1	3	1.66667	5	18	11.25
	Total No of Subjects & Credits	64	180	100	51	160	100

JNTUK Curriculum



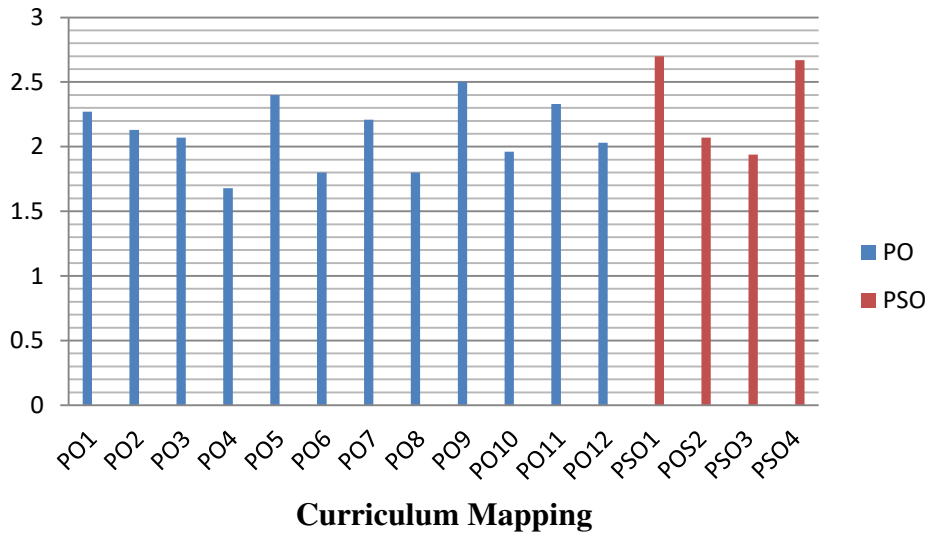
AICTE Curriculum



PO'S/PSO's of all courses:

Category Wise PO's Mapped		
Category	**PO's Mapped**	**PSO's Mapped**
Basic Sciences	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1
Humanities	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO4
Engineering Sciences	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2
Professional Core	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
Professional Elective	PO1,PO2,PO3,PO4,PO5,PO6,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
Open Elective	PO1,PO2,PO3,PO5,PO12	PSO1,PSO2,PSO3
Project & Other(OT)	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3,PSO4

Curriculum mapping	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**POS2**	**PSO3**	**PSO4**
	2.27	2.13	2.07	1.68	2.40	1.80	2.21	1.80	2.50	1.96	2.33	2.03	2.7	2.07	1.94	2.67



Additional activities conducted to strengthen the mapping:

S.NO	ACTION TAKEN	DATE	RESOURCE PERSON	POs
1	Workshop on IOT Botix	29/12/17	Robotix Techno Crafts, Vishakapatnam	PO4, PO6, PO7, PO8,PO9,PO10, PO12 PSO2,PSO3
2	Guest lecture on Mentor Graphics tool	8/07/2017	K. Pradeep Application Engineer, Apply Volt, Vijayawada	PO2, PO3, PO12 PSO2
3	Industry Visit to SHAR	21/01/18	SatishDhawan Space Centre, Sriharikota	PO4,PO6,PO7,PO9,PO10, PO12,PSO1,PSO3
4	Industry visit to Efftronics, Vijayawada	10/02/18 & 17/02/18	Efftronics Systems Pvt. Ltd., Vijayawada	PO6,PO7,PO9,PO10,PO12, PSO2
5	Invited talk on VLSI	26/02/18	K. SaiChandu VLSI Design Engineer Leadsoc Pvt.Ltd (Bangalore)	PO5,PO10,PO12,PSO2
6	Invited talk	19/03/2018	Ch.Prathyusha Assistant Engineer Ivtl Info View Pvt.Ltd. Technologies, Chennai	PO5,PO10,PO12,PSO1

Professional Events:

S.No	Name Of the Event	Date	Relevance to PO's
1	Paper Presentation	28/8/2017	PO4,PO6,PO7,PO9,PO10,PO12
2	Poster Presentation	10/9/2017	PO4,PO6,PO7,PO9,PO10,PO12
3	Project Expo	10/9/2017	PO2,PO4,PO6,PO7,PO9,PO10,PO12
4	Workshops	29/12/2017 to 30/12/2017	PO3,PO5,PO6,PO9
5	Seminars	18/12/2017	PO2,PO3,PO12
6	Quiz	10/9/2017	PO9,PO12

Prominent Days:

S.No	Name Of the Event	Date	Relevance to PO's
1	Youth day	12/01/2018	PO6,PO9,PO10
2	Teachers Day	05/09/2017	PO6,PO9,PO10
3	Engineers Day	15/09/2017	PO6,PO9,PO10
4	Annual Day	10/03/2018	PO6,PO9,PO10

Gaps identified at curriculum level for ODD Semester(2017-18):

Course	Gap	COs	POs	PSOs
C211(EDC)	Series Voltage Regulator	C211.3	PO:1,2,3	PSO:1
C212(STLD)	Observing waveforms for combinational logic circuits	C212.4	PO: 1,2,3,4	PSO:1
C213(S&S)	Introduction to signal processing using MATLAB	C213.2	PO:1,2,12	PSO:1,3
C214 (NA)	Equivalent inductance and capacitance	C214.1	PO:1,2,3	PSO:1,3
C215(RVSP)	Knowledge of correlation and convolution	C215.5	PO: 1,2,5,	PSO:1,3
C216(MEFA)	Concept of economics	C2161	PO:1,2,11	PSO:4
C311(PDC)	Current mirrors	C311.5	PO:1,2,5	PSO:1
C312(LICA)	MOS differential amplifiers analysis & Design	C312.1	PO: 1,2,12	--
C314(DICA)	Observing different Sequential logic circuits using Verilog HDL	C314.5	PO:1,2,3,4,5,11,12	PSO:1,3
C315(AWP)	Measurement of directivity of an antenna	C315.4	PO: 1,2,3,5,12	PSO:2,3
C411(VLSI)	Observed and Analysed Sequential circuits using CMOS logic of D latch, SR Latch	C411.4	PO: 1,2,3,5,12	PSO: 2
C412(CN)	Implementing Elementary Protocol-stop and wait	C412.3	PO: 1,2,5,9	PSO:1
C413(DIP)	Comparison of spatial and frequency domain based image enhancement techniques	C413.2	PO:1,2,3,4,5,6,12	PSO:1,3
C414(CAO)	Introduction about digital components	C414.1	PO: 1,2,4,5,6,12	PSO:1,2
C415(RS)	Verification of the radiation pattern of various radar antennas	C414.4	PO: 1,2,3,5	PSO:1,3
C416(OC)	Coherent Optical Fibre Communications	C416.6	PO:2,3,5,12	PSO:1,3

Gaps identified at curriculum level for Even Semester(2017-18):

Course	Gap	COs	POs	PSOs
C221(ECA)	Crystal Oscillators	C221.4	PO:1,2,3,5,12	PSO:1,2,3
C222(CS)	Analogy between Electrical systems and Mechanical systems	C222.1	PO:1,2,4	PSO:1
C223(EMTL)	Concept of vector Calculus	C223.1	PO:1,2,3,5	PSO:1,3
C224(AC)	Application of Pulse systems	C224.1	PO:1,2,5,12	PSO:1,3
C225(PDC)	Synchronization and frequency division of sweep circuits	C225.6	PO:1,2,3,12	PSO:1,3
C321(MP&MC)	Comparison to observe the differences between 8085&8086 in architecture	C321.1	PO:1,2,4,5,11,12	PSO2
C322 (DSP)	Wavelet transform	C322.1	PO:1,2,3,4	PSO1
C323(DC)	Spread spectrum technology & Frequency hopping	C323.1	PO:1,2,5	PSO:1,3
C324(MWE)	Special tubes at UHF	C324.3	PO: 1,2,3,12	PSO:1,3
C421(CMC)	Spread spectrum technology & Frequency hopping	C421.6	PO:1,3,12	PSO:1,3
C422(EMI)	Exposure of Practical knowledge about analog meters	C422.1	PO:1,2,3,5	PSO:1,3
C423(SC)	Operation and of Polar Geo Satellites launch vehicles	C423.2	PO:1,2,4,6	PSO:1
C424(WSN)	Simulation of Mesh & Other topologies using Software tools	C424.1	PO:1,2	PSO:1,2,3

Additional experiments identified based on mapping to PO/PSOs:

Laboratory name	Additional Experiments from Gaps	PO/PSOs
DSD & DICA LAB	Automatic Door Locking System	PO1,PO2,PO4,PO5,PO12,PSO1 PSO3
EDC LAB	Common Base Input and Output Characteristics	PO1,PO2,PO3,PO9,PO12,PSO1
LICA LAB	Voltage- to- Current Converter	PO1,PO2,PO3,PSO1
MWE LAB	Impedance and Frequency Measurement.	PO1,PO2, PO4,PO10,PO12,PSO1
PDC LAB	CMOS transmission gate	PO1,PO2,PO3,PO4,PSO1
VLSI LAB	Design and Implementation of 3 Input NAND Gate	PO1,PO2,PO3,PO5,PO12,PSO2,PSO3
AC LAB	Mixer circuit characteristics.(Hardware)	PO1,PO2,PO3,PO5,PO9,PO12,PSO2
DC LAB	Frequency division multiplexing and demultiplexing	PO1,PO2,PSO1,PSO3
ECA LAB	FET-CS Amplifier	PO1,PO2,PO3,PO5,PO9,PO12,PSO1
MP & MC LAB	Interfacing of Bluetooth with 8051 microcontroller.	PO1,PO3,PO4,PO10,PO12,PSO2

2.1.2.Statethedeliverydetailsofthecontentbeyondthesyllabusfortheattainmentof POsandPSOs(10)

(Provide details of the additional course/learningmaterial/content/laboratory Experiments / projectsetc.,arisingfromthegapsidentifiedin2.1.1inatabularforminthe formatgivenbelow)

Note: Pleasemention*indetail*whethertheInstitutionhasgivensuchinputsandsuggestionsto theAffiliatingUniversityregardingcurriculargapsandpossibleadditionofnew Content / add-oncoursesinthecurriculum,tobridgethegapandtobetterattainprogram outcome(s).

Delivery details of bridging the gap sessions for the academic year: 2017-18: (ODD Semester)

S.No	Course	Gap	Action taken	Date-Month-Year	Resource Person with designation	% of students	Relevance to POs, PSOs
1	C211(EDC)	Active loaded CE using PSICE	Seminar	23/9/17	Dr. S suryanarayana Professor and HOD KallamHaranadhareddy Institute of Technology, Guntur	95% (A&B)	PO3,PSO1
2	C212(STLD)	Observing Waveforms of serial adders using XilinixViVado tool	Hands-on session	23/09/17	K. Pradeep Application Engineer, Apply Volt, Vijayawada	95% (A&B)	PO3,PSO1
3	C213 (S&S)	Realization of discrete time systems using Z transforms	Seminar	16/7/17	G. RaviKanth Assistant Professor LITS, Khammam	95% (A&B)	PO:1,2,3,12 PSO:1,2,3
4	C214(NA)	SPICE simulation of RC,RL,RLC circuits	Hands-on session	07/08/17	Dr. S.A.K.Jilani. Professor, MITS, Madanapalli	88% (A&B)	POs: 1,2,3,5,12 PSO:1,3
5	C215(RVSP)	Estimation of Correlation and Power Spectral Density for various random signals	Seminar	14-08-17	Mr.Sk. Ahmed Saidulu, Assistant professor, KLU, Vijayawada.	95% (A&B)	PO:5,12
6	C311 (PDC)	Knowledge of current time base generators	Seminar	05/9/17	SK. Khazali Assistant Professor RISE, Ongole	85% (A&B)	PO:1,2,3 PSO:1,2
7	C312 (LICA)	OP-AMP circuits using PSPICE.	Seminar	04/08/17	Dr. P. Suhasini Professor V.R. Siddhartha Engineering College, Vijayawada	85% (A&B)	PO:1,2,3,12 PSO:1
8	C314 (DSD&DICA)	Observing the Boolean expression output	Seminar	1/9/17	K. Pradeep Application Engineer, Apply Volt Vijayawada	90% (A&B)	PO:1,2,3,11,12 PSO:1

		waveforms and synthesized output using CMOS logic					
9	C315 (AWP)	Basic Setup to find Radiation Intensity by Practical Antenna.	Guest Lecture	15-09-18	Mr.Md.Rahman Associate Professor RISE, Ongole	100% (A&B)	POs:1,2,3,5 ,12 PSOs:1,2
10	C411 (VLSID)	FPGA Architecture	Guest Lecture	13/10/17	Mr.D.Satish Kumar, Senior Engineer, ACHRONIX Semiconductor Corporation, Bangalore	88% (A&B)	Pos: 1,2,3,5,10, 12 PSO:1,3
11	C412 (CN)	Implementing NS2 Tool	Guest Lecture	11/9/17	Suresh Babu Assistant Professor RISE, Ongole	88% (A&B)	PO:1,2,3,1 1,12 PSO:1
12	C413 (DIP)	Applications of Morphological operations using MATLAB	Seminar	15/10/17	T.ChandraSekhar Associate Professor LITAM, Guntur	90% (A&B)	PO:1,2,3,1 1,12 PSO:1
13	C415 (RS)	MIMO RADAR	Seminar	18/9/17	Y. Pavan Kumar Assistant Professor ALIET, Vijayawada	98% (A&B)	PO:1,2,3,1 1,12 PSO:1
14	C416 (OC)	Effects of dispersions related to voice signals	Guest Lecture	10/9/17	Ch. DayakarRao Associate Professor SreeVahini Institute of Engineering & Technology, Tiruvuru	90% (A&B)	PO:1,2,3,4, 5 PSO:1,3

Delivery details of bridging the gap sessions for the academic year: 2017-18: (Even Semester)

S.No	Course	Gap	Action taken	Date-Month-Year	Resource Person with designation	% of students	Relevance to POs, PSOs
1	C221(ECA)	Active Loaded single stage amplifier	Seminar	30/12/17	Dr.K.V.Ram Prasad Professor in ECE Dept. KallamHaranadhareddy Institute of Technology, Guntur	90% (A&B)	5,12
2	C222 (CS)	Frequency Domain specifications from the plots – Constant M and N Circles – Nichol's Chart	Seminar	12/02/18	D.B.K.Reddy, Research scholar, IIT Hydrabad	80% (A&B)	PO1,2,3,1 2 PSO3

		– Use of Nichol's Chart in Control					
3	C223 (EMTL)	Maxwell Equation	Guest Lecture	6/1/18	R. Durga Prasad Assistant Professor RCE, Eluru	85% (A&B)	POs:1,2,3 PSO:1,3
4	C224(AC)	Verification of SNR and spectrum of PAM	Seminar	15/02/2017	Mr.P.VeeraSwamy, Assistant professor, DIET,Ganguru, Vijayawada	88% (A&B)	POs:1,2,3, 5,12 PSOs:1,3
5	C225(PDC)	PSPICE Simulation	Seminar	16/12/17	Dr. Ch. Santhi Rani Professor DMSSVHCE, Machilipatnam	95% (A&B)	PO:1,2,3,12 PSO:1
6	C322(DSP)	Filters to alter time domain characteristics and finite word length effects in digital filters	Seminar	11-01-18	Mr. M. Rama MohanaRao Associate Professor SreeVahini Institute of Engineering & Technology, Tiruvuru	97% (A&B)	PO1,2,3,5, 12 PSO1,3
7	C324 (MWE)	High voltage operated diodes	Seminar	18-3-18	Mr K.Ramarao Assistant professor ALIET, ijayawada	92% (A&B)	POs:1,2,3, 4 PSOs:1,3
8	C325 (BME)	Instrumentation for sensory measurements	Seminar	22-01-18	Mr.K.Kishore, Assistant professor, URCE, Telaprolu	90% (A&B)	POs:1,2,3, 4,5,6,10,12 PSOs:1,3
9	C421 (CMC)	Fourth generation mobile technology(LTE)	Seminar	1/03/18	DR.B.NANCHARAIAH PROFESSOR USHARAMA College of Engineering &Tech,Vijayawada	99% (A&B)	Pos: 1,2,3,5,6,12 PSO:1,3
10	C422(EMI)	Spectrum Analyzer	Guest Lecture	28/12/17	S. Sridhar Assistant Professor DMSSVHCE, Machilipatnam	80% (A&B)	POs:1,2,3, 4,5,12 PSOs:1,3
11	C423 (SC)	Concept of micro satellites	Guest Lecture	17/02/18	Dr. S Sri Gowri Professor, SRKIT, Vijayawada	91% (A&B)	POs:1,2,4, 6,12 PSOs:1,3

Delivery details of bridging the gap sessions for the academic year: 2016-17

S.No	Course	Gap	Action taken	Date-Month-Year	Resource Person with designation	% of students	Relevance to POs, PSOs
1	C216 (AC)	Two way mobile communication services	Guest Lecture	23/12/16	P. Sushma Associate Profesor NIT, Warangal	96% (A&B)	PO:1,2,3,5, 12 PSO:1,3
2	C311(PDC)	PSPICE Simulation	Seminar	16/8/16	Dr. Ch. Santhi Rani Professor DMSSVHCE, Machilipatnam	95% (A&B)	PO:1,2,3,1 2 PSO:1
3	C312 (LICA)	OP-AMP circuits using P-Spice	Seminar	4/8/17	Dr. P. Suhasini Professor V.R.Siddhartha Engineering College Vijayawada	90% (A&B)	PO:1,2,3,5, 12 PSO:1
4	C313(CS)	Design lag, lead, lag-lead compensators	Seminar	20/9/16	G. Venkatesh Assistant Professor ALIET,Vijayawada	90% (A&B)	PO:1,2,3,6, 7 PSO:1
4	C411(VLSID)	FPGA Architecture	Guest lecture	21/0/16	D. Satish Kumar Senior Engineer, ACHRONIX Semiconductor Corporation, Bangalore	90% (A&B)	PO:1,2,3,6, 7 PSO:1
5	C415 (RS)	Importance of tracking a target in real time and knowledge of finding target parameters in real time	Industry Visit	28/7/16	P. ViswanadhaSarma SDSC SHAR Sriharikota	72%(A&B)	PO:1,2,34, 5,6,7,11,12 PSO:1,2
6	C323 (DC)	PCM,DPCM & DM Wave Analysis using soft ware tools	Seminar	1-07-17	Mr.K.RaviBabu Associate Professor	85% (A&B)	POs:1,2,3,4 ,5,12 PSOs:1,3
7	C325 (BME)	Instrumentation for sensory measurements	Seminar	22-01-18	Mr.K.Kishore, Assistant professor, URCE, Telaprolu	90% (A&B)	POs:1,2,3,4 ,5,6,10,12 PSOs:1,3
9	C422(EMI)	Spectrum Analyzer	Guest Lecture	3/1/17	Dr. M. Kama Raju Professor GEC, Gudllavalleru	80% (A&B)	POs:1,2,3,4 ,5,12 PSOs:1,3
9	C426 (OC)	Effects of attenuation related to voice signals	Seminar	10-09-2017	Ch.Dayakarrao Associate Professor	90% (A&B)	POs:1,2,3,4 ,5,12 PSOs:1,3

The Following table gives the Guest Lectures/workshop organized in the Department to deliver the identified contents beyond the syllabus

2017-2018

S. No.	Name of the Guest Lecture/Seminar/Workshop	Date	Resource Person	% of students	Pos & PSO mapped
1	Training on Anti plagiarism software	16/12/17	Dr P V Naga Anjaneyulu Principal Mettapalli College of Engineering, Guntur	88%	PO3,PO5,PO 11 PSO:1,3,4
2	Workshop on How to file a PATENT	3/2/18	P. Vijaya Kumar Patent Agent IP IWIN IN SERVICES Kukatpally Hyderabad	88%	POs: 3,4,5,6,8,9,11, 12 PSOs: 1,4

Dept Association & IIIC & NSS EVENTS: Academic Year 2017-18

S.No	Name Of the Event	Relevance to PO's
1	Elocution	PO6,PO7,PO8,PO9,PO10,PO11,PO12
2	Debate	PO2,PO8,PO9,PO10
3	Essay Writing	PO7,PO8,PO9,PO10,PO12
4	Quiz	PO6,PO8
5	Seminar	PO5,PO8,PO9,PO10
6	Engineers day	PO6,PO9,PO10
7	Farewell day	PO6,PO9,PO10
8	Teachers Day	PO6,PO9,PO10
9	Youth Day	PO6,PO9,PO10
10	Freshers Day	PO6,PO9,PO10
11	Guest Lectures	PO2,PO3,PO12
12	Workshops	PO3,PO5PO6,PO9
13	Hackthons	PO8,PO9,PO12
14	Internships	PO5,PO8,PO9,PO10,PO11,PO12
15	Entrepreneurship	PO8,PO9,PO10,PO11,PO12
16	International yoga day	PO6,PO9,PO10
17	Distribution of Clothes and slates to poor children	PO6,PO9,PO10,PO11,PO12
18	Anti plastic rally	PO6,PO7,PO9,PO10
19	Blood donation camp	PO6,PO8,PO9,PO12

20	Vanam-manam	PO6,PO7,PO9,PO10,PO12
21	International literacy day	PO6,PO8,PO9,PO10
22	Eco ganesh idols distributed ganeshchaturthi	PO6,PO7,PO9,PO10
23	Swachhbharath	PO6,PO8,PO9,PO10
24	End polio rally	PO6,PO9,PO10,PO12
25	World AIDS day	PO6,PO8,PO9,PO12
26	Distribution of fruits to elders	PO6,PO9,PO11,PO12

Professional Events:

S.No	Name Of the Event	Relevance to PO's
1	PaperPresentation	PO4,PO6,PO7,PO9,PO10,PO12
2	PosterPresentation	PO4,PO6,PO7,PO9,PO10,PO12
3	Project Expo	PO2,PO4,PO6,PO7,PO9,PO10,PO12
4	Workshops	PO3,PO5,PO6,PO9
5	Guest Lecture	PO2,PO3,PO12
6	Seminars	PO2,PO3,PO12
7	Quiz	PO9,PO12

R&D Events:

S.No	Name of the event	Relevance to PO's
1.	Workshop on research methodology	PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO11, PO12
2.	Seminar on IPR	PO1,PO8,PO3,PO6,PO12
3.	Training on Anti plagiarism software	PO3,PO5,PO11
4.	Workshop on How to file a PATENT Patent	PO3,PO4,PO5,PO6,PO8,PO9,PO11,PO12
5	Seminaron Trademarks,Designs,GIs	PO1,PO8,PO3,PO6,PO12

Cultural Events:

S.No	Name of the event	Relevance to PO's
1	Art exhibition	PO7,PO8,PO9,PO10,PO12
2	Dance competition	PO7,PO9,PO10
3	Singing competition	PO8,PO9,PO10
4	Poster presentation	PO10
5	Skit competition	PO6,PO7,PO8,PO9,PO10,PO12
6	mimicry	PO7,PO10
7	Mono Action	PO8,PO10
8	literarycompetition	PO6,PO7,PO8,PO9,PO10,PO12

TP&CG Events:

S.No	Name of the event	Relevance to PO's
1	Training	PO8, PO9 ,PO10, PO12
2	Placement	PO8, PO9 ,PO10, PO12
3	Career Guidance	PO8, PO9 ,PO10, PO12

Add-on Courses:

S.No	Name of the Course	Relevance to PO's
1	Aptitude and Reasoning	PO1,PO2,PO3,PO6,PSO4
2	C Programming & Data Structures	PO1,PO2,PO3,PO5,PO12,PSO4
3	Verbal Communication1	PO1,PO2,PO4,PO8,PO9,PO10,PO12,PSO4
4	Verbal Communication2	PO1,PO2,PO4,PO8,PO9,PO10,PO12,PSO4
5	Softskills 1	PO1,PO8,PO10,PO12,PSO4
6	Softskills 2	PO1,PO8,PO9,PO10,PO12,PSO4
7	PYTHON Programming	PO1,PO2,PO3,PO5,PO12,PSO4

2.2.Teaching-LearningProcesses(100)

2.2.1.DescribeProcessesfollowedtoimprovequalityofTeaching&Learning(25)
(Processesmayincludeadherencetoacademiccalendarandimprovinginstruction methodsusingpedagogicalinitiativessuchasrealworldexamples,collaborativelearning, qualityoflaboratoryexperiencewithregardtoconductingexperiments,recording observations,analysisofdataetc.encouragingbrightstudents,assistingweakstudents etc.Theimplementationdetailsandimpactanalysisneedtobedocumented)

- The process followed to improve the quality of Teaching Learning in the Department for each semester is shown in Figure 2.2.1

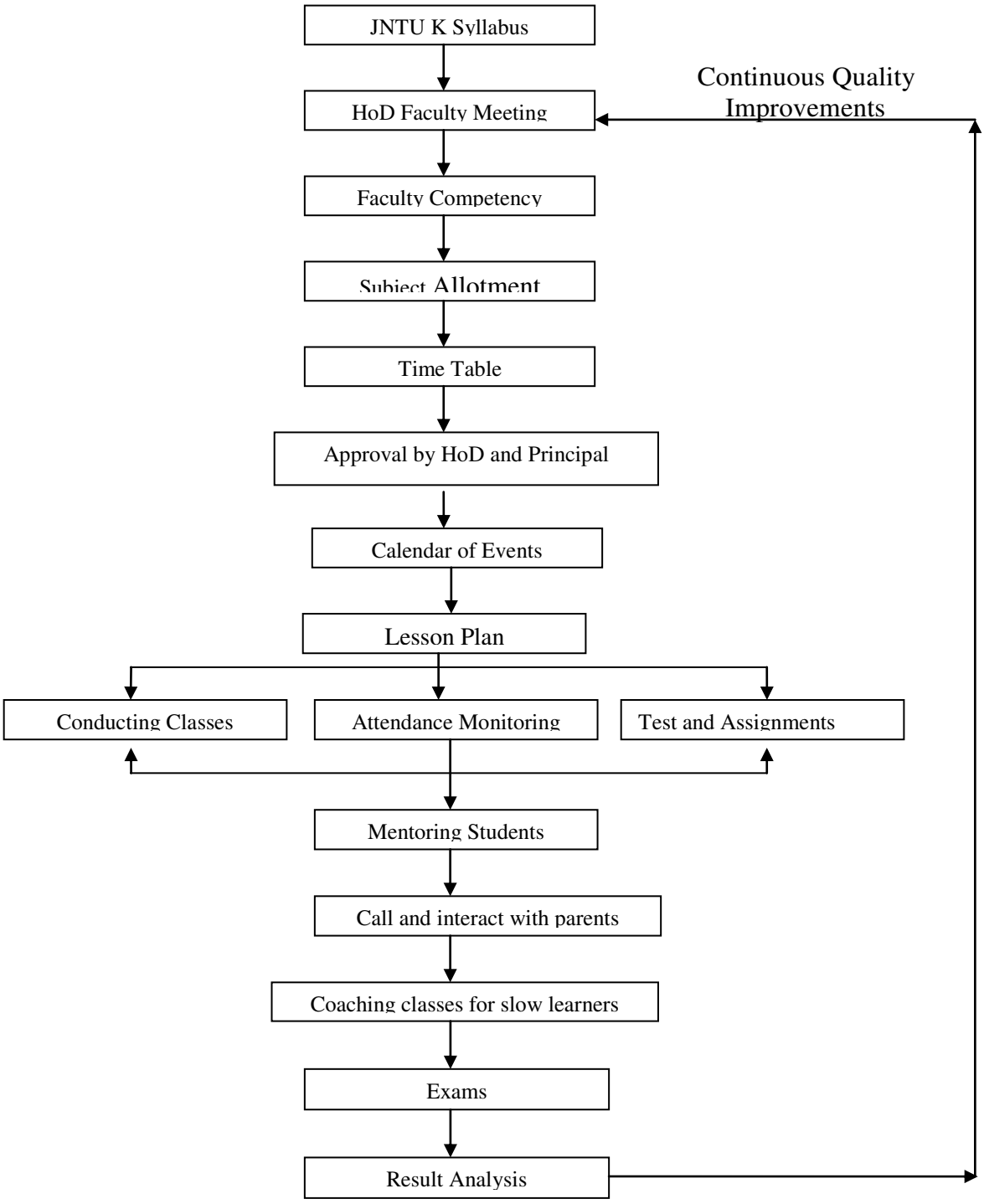
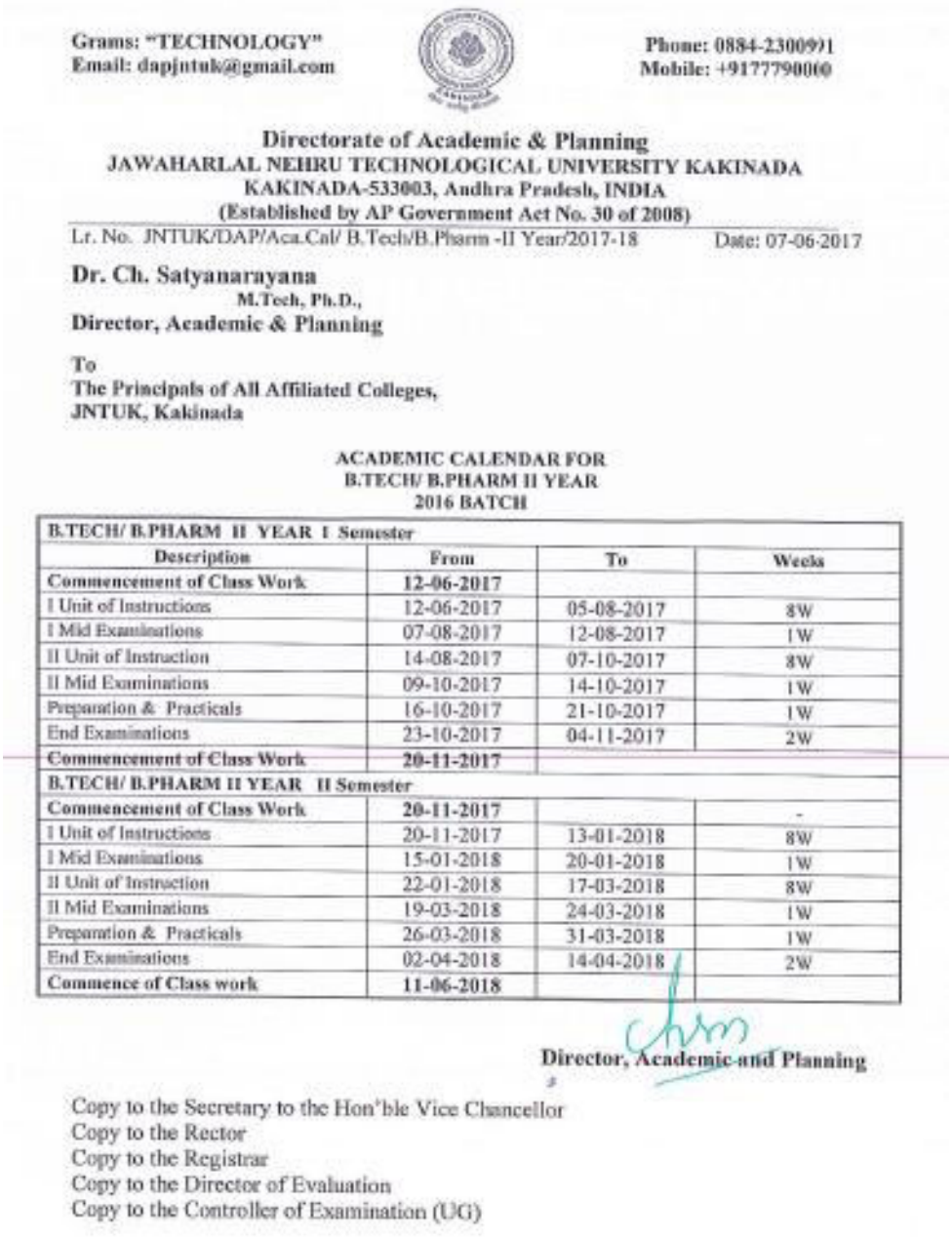


Figure 2.2.1: Teaching Learning Process

2.2.1.1Academic Calendar

Department prepares calendar of events based on the academic calendar of JNTU K and calendar of events of the college. The calendar of events of the Department includes the activities planned like guest lectures, industrial visit and assignment dates. The staff members and students adhere to the calendar of events to meet the department's planned events.According to the present scenario of teaching and learning process, modern techniques are adopted in our institution for the upliftment of the students' performance and for the achievement of good results.

The academic calendars of JNTU K anddepartment calendar are shown below



Grams: "TECHNOLOGY"
Email: dapjntuk@gmail.com

Phone: 0884-2300991
Mobile: +9177790060

Directorate of Academic & Planning
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA-533003, Andhra Pradesh, INDIA
(Established by AP Government Act No. 30 of 2008)

Lr. No. JNTUK/DAP/Aca.Cal/ B.Tech/B.Pharm -II Year/2017-18 Date: 07-06-2017

Dr. Ch. Satyanarayana
M.Tech, Ph.D.,
Director, Academic & Planning

To
The Principals of All Affiliated Colleges,
JNTUK, Kakinada

ACADEMIC CALENDAR FOR
B.TECH/ B.PHARM II YEAR
2016 BATCH

B.TECH/ B.PHARM II YEAR I Semester			
Description	**From**	**To**	**Weeks**
Commencement of Class Work	**12-06-2017**		
I Unit of Instructions	12-06-2017	05-08-2017	8W
I Mid Examinations	07-08-2017	12-08-2017	1W
II Unit of Instruction	14-08-2017	07-10-2017	8W
II Mid Examinations	09-10-2017	14-10-2017	1W
Preparation & Practicals	16-10-2017	21-10-2017	1W
End Examinations	23-10-2017	04-11-2017	2W
Commencement of Class Work	**20-11-2017**		
B.TECH/ B.PHARM II YEAR II Semester			
Commencement of Class Work	**20-11-2017**		-
I Unit of Instructions	20-11-2017	13-01-2018	8W
I Mid Examinations	15-01-2018	20-01-2018	1W
II Unit of Instruction	22-01-2018	17-03-2018	8W
II Mid Examinations	19-03-2018	24-03-2018	1W
Preparation & Practicals	26-03-2018	31-03-2018	1W
End Examinations	02-04-2018	14-04-2018	2W
Commence of Class work	**11-06-2018**		

Director, Academic and Planning

Copy to the Secretary to the Hon'ble Vice Chancellor
Copy to the Rector
Copy to the Registrar
Copy to the Director of Evaluation
Copy to the Controller of Examination (UG)

Academic Calendar of JNTU K for B.Tech I Year 2017-18

Department Calendar of ECE for the Academic year: 2017-18 I& II Semester:

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
Department of Electronics and Communication Engineering

DEPARTMENT CALENDAR
For B.Tech_ECE II, III, IV Years Academic Year: 2017-18

I Semester

S. No	Description	Schedule
1	DATE OF COMMENCEMENT OF CLASS WORK FOR II, III, IV B.Tech	12/06/2017
2	TENTA TIVE DATES FOR CONDUCTION OF WORK SHOP FOR II/IV, III/IV & IV/IV B.Tech	17/07/2017 to 18/07/2017
3	TENTATIVE DATES CONDUCTION OF INDUSTRIAL VISIT FOR III B.Tech	29/07/2017
4	COMMENCEMENT OF I-MID-TERM EXAMINATION FOR II/IV, III/IV & IV/IV B.Tech	07/08/17 to 12/08/2017
5	INDEPENDENCE DAY CELEBRATIONS	15/08/2017
6	TENTATIVE DATES CONDUCTION OF TECHNICAL EVENTS FOR II B.Tech	25/08/2017
7	TEACHERS DAY CELEBRATIONS	05/09/2017
8	TENTATIVE DATES CONDUCTION OF TECHNICAL EVENTS FOR III B.Tech	10/9/2017
9	ENGINEERS DAY CELEBRATIONS	15/09/2017
10	DUSSERA VACATION	28/09/2017 to 30/09/2017
11	COMMENCEMENT OF INTERNAL PRACTICAL EXAMINATION FOR II/IV, III/IV & IV/IV B.Tech	03/10/17 to 07/10/2017
12	LAST INSTRUCTION DAY II/IV, III/IV & IV/IV B.Tech	07/10/2017
13	COMMENCEMENT OF II-MID-TERM EXAMINATION FOR II/IV, III/IV & IV/IV B.Tech	09/10/2017 to 14/10/2017
14	PREPARATION OF MARKS & ATTENDANCE STATEMENTS FOR II/IV, III/IV & IV/IV B.Tech	09/10/2017 to 14/10/2017
15	COMMENCEMENT OF UNIVERSITY PRACTICAL EXAMINATION FOR II/IV, III/IV & IV/IV B.Tech	16/10/2017 to 21/10/2017
16	COMMENCEMENT OF UNIVERSITY THEORY EXAMINATION FOR II/IV, III/IV & IV/IV B.Tech	23/10/2017 to 04/11/2017

M. Srinivasulu
HoD

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
Department of Electronics and Communication Engineering

DEPARTMENT CALENDAR
For B.Tech_ECE II, III, IV Years Academic Year :2017-18

II Semester

S. No	Description	Schedule
1	DATE OF COMMENCEMENT OF CLASS WORK FOR II, III, IV B.Tech	20/11/2017
2	TENTA TIVE DATES FOR CONDUCTION OF SEMINAR	18/12/2017
3	TENTATIVE CONDUCTION OF WORKSHOP	29/12/2017 to 30/12/2017
4	PONGAL VACATION	12/01/2018 to 14/01/2018
5	COMMENCEMENT OF I-MID-TERM EXAMINATION FOR II/IV, III/IV & IV/IV B.Tech	15/01/2018 to 20/01/2018
6	TENTATIVE DATES CONDUCTION OF INDUSTRIAL VISIT FOR IV B.Tech	21/01/18
7	REPUBLIC DAY CELEBRATIONS	26/01/2018
8	TENTATIVE DATES CONDUCTION OF INDUSTRIAL VISIT FOR II B.Tech	10/02/2018 & 17/02/2018
9	ANNUAL DAY CELEBRATIONS	10/3/2018
10	COMMENCEMENT OF INTERNAL PRACTICAL EXAMINATION FOR II/IV, III/IV & IV/IV B.Tech	12/03/18 to 17/03/2018
11	LAST INSTRUCTION DAY II/IV, III/IV & IV/IV B.Tech	17/03/2018
12	COMMENCEMENT OF II-MID-TERM EXAMINATION FOR II/IV, III/IV & IV/IV B.Tech	19/03/2018 to 24/03/2018
13	PREPARATION OF MARKS & ATTENDANCE STATEMENTS FOR II/IV, III/IV & IV/IV B.Tech	19/03/2018 to 24/03/2018
13	COMMENCEMENT OF UNIVERSITY PRACTICAL EXAMINATION FOR II/IV, III/IV & IV/IV B.Tech	26/03/2018 to 31/03/2018
14	COMMENCEMENT OF UNIVERSITY THEORY EXAMINATION FOR II/IV, III/IV & IV/IV B.Tech	02/04/2018 to 14/04/2018
15	TENTATIVE DATES CONDUCTION OF WORKSHOP	05/05/2018
16	RE-OPENING OF THE COLLEGE AND COMMENCEMENT OF CLASSWORK FOR THE ACADEMIC YEAR 2018-19	11/06/2018
17	FACULTY DEVELOPMENT PROGRAMME	08/06/2018 to 09/06/2018

M. Srinivasulu
HoD

- Subject allotment is done well in advance for the staff to prepare lesson plans, course plan, soft and hard copies of lecture notes.

- Lesson plan for each course is designed by the course coordinators adhering to the calendar of events of the department.

2.2.1.2 Instructional Methods and Pedagogies

Teaching methods comprises the principles and methods used by teachers to enable student learning. These are determined partly on subject matter to be taught and partly by the nature of the learner.

The following methods are some of the appropriate and efficient methodologies according to the characteristic of the learner.

1. Talk & Chalk: Usage of black board, chalk and lecture
2. PPT: Power Point Presentation for the relevant topic
3. Visualization: Showing 3D objects to the students and explaining
4. Co-operative learning: A method of instruction characterized by students working together to reach a common goal
5. Enquiry based instruction: Prior intimation of the topic in the previous classes to the students for enquiry of the topic and asking the questions in the next class
6. Differentiation: Summarizing the types with similarities and differences
7. Technology: New & updated technology relevant to the course
8. Behavior management : Wide variety of skills and techniques that teachers use to keep students organized, orderly, focused, attentive, on task, and academically productive during a class
9. Profitional development: improving their professional knowledge, competence, skill, and effectiveness
10. Virtual lab: IIT virtual labs
11. Seminars: Seminar should be given by the student
12. Brain storming: Giving a topic and allowing the students to think over it for new ideas
13. Buzz group: Formation of groups with 3-4 members in each and discussion on the Topic
14. Animated lecturers: Showing Animated videos to students
15. Pictorial sessions: 2D objects charts
16. Debate sessions: Assigning a topic to the students and allow them to debate
17. Quiz: Asking Questions on the covered topic by forming the batches.
18. OHP: Over head Projections of the images
19. Role play: Students are explored realistic situations by interacting with other people in a managed way in order to develop experience and trial different strategies in a supported environment.
20. Survey based assessment
21. NPTEL Videos

The following methods are some of the appropriate and efficient methodologies according to the characteristic of the learner.

S.No	Teaching Aid / Methodology	Number of Courses
1	Talk & Chalk	31
2	PPT	31
3	Visualization	3
4	Co-operative learning	14
5	Enquiry based instruction	2
6	Differentiation	9
7	Technology	12
8	Behavior management	0
9	Profitional development	0
10	Virtual lab	0
11	Seminars	28
12	Brain storming	6
13	Buzz group	8
14	Animated lecturers	4
15	Pictorial sessions	8
16	Debate sessions	11
17	Quiz	28
18	OHP	0
19	Role play	0
20	Survey based assessment	2
21	NPTEL Videos	27

Books Referred:

Average Text Books referred per Course	2
Average Reference Books referred per Course	2
Average Additional referred per Course	1
Average Web references used per Course	3

Real World Examples:

Students are exposed to real world problems and encouraged to do real world projects. The following table gives the details of real-world projects that have been carried out by the students of the Department.

For the academic year: 2017-18

S.No	Name &Reg No of team leader	Title of the Project	PO/PSO
1.	CH. NAGA SUSHMITHA 15MQ5A0405	An Autonomous Stair-Climbing Wheel Chair	PO:1,2,3,5,6,7,8,9,10,11,12 PSO: 1,2,3
2.	KUNCHAPARTHI KEERTHI 14MQ1A0420	IOT based Smart Home Security System with Alert and Door Access Control using Smart Phone	PO:1,2,3,5,6,7,8,9,10,11,12 PSO: 1,2,3
3.	A. GNANA SUDHA 15MQ5A0401	Eye ball and Head Motion Controlled Wheel Chair Automation System for Disabled	PO:1,2,3,5,6,7,8,9,10,11,12 PSO: 1,2,3

For the academic year: 2016-17

S.No	Name &Reg No of team leader	Title of the Project	PO/PSO
1.	MUDHUNURI MANI MADHURI 13MQ1A0424	IOT Based patient health monitoring system	PO:1,2,3,5,6,7,8,9,10,11,12 PSO: 1,2,3
2.	PINISETTI ANVITHA 13MQ1A0402	Automation of dust collection to support "Swachh Bharat Abhiyaan" using IOT	PO:1,2,3,5,6,8,9,10,11,12 PSO: 1,2,3
3.	JONNALA MOUNIKA 13MQ1A0413	Solar Based E-Uniform for soldiers by using GSM & GPS	PO:1,2,3,5,6,8,9,10,11,12 PSO: 1,2,3

2.2.1.3 Methodology to identify bright students

- The bright students are identified from their participation in classroom discussion, performance in the assessment tests and participation in classroom seminars, questioning ability and University result analysis.
- The bright students are encouraged to participate in symposia, workshops and seminars to gain knowledge on the latest developments.
- The students are encouraged to take up industry based projects in the advanced topics under the guidance of the faculty members.
- They are provided with the guidance about patents, project management and prototype building.
- Bright students are encouraged to lead the student's association team which organizes various activities like paper presentation, poster presentation, lecture series etc.

- Bright students having high academic track records are encouraged by faculties to achieve university ranks and are also encouraged to take up competitive examinations like GATE, GRE etc.,

List of Bright Students for the Batch (2015-19):

S.No.	Roll.No.	Name of the Student
1	15MQ1A0401	ANGATAMANEESHARANI
2	15MQ1A0405	DASARI HEMA V PRASANNA
3	15MQ1A0407	ERRABANDI S LPRASANNA
4	15MQ1A0409	KODAVATI LAVANYA
5	15MQ1A0411	KURAPATI DEVI PRIYANKA
6	15MQ1A0416	MOTHUKURI L PRASANNA
7	15MQ1A0418	PADAMATA NEELIMA
8	15MQ1A0419	PAMARTHI L RAJESWARAMMA
9	15MQ1A0420	PARIMI HARITHA
10	15MQ1A0421	PARIMI LALITHA
11	15MQ1A0423	RAHILA BEGUM
12	15MQ1A0425	VEERANKI NAGA RAMYASWI
13	15MQ1A0426	YEDIDA KEERTHANA
14	15MQ1A0445	ADDEPALLI C R S N L SHAKUNTALA
15	15MQ1A0448	BOGGAVARAPU S S SNEHITHA
16	15MQ1A0450	CHINTALA SANDHYA KUMARI
17	15MQ1A0452	DOKKU N VIJAYA LAKSHMI
18	15MQ1A0453	DORA PRASANTHI
19	15MQ1A0454	GUDISEVA USHA RANI
20	15MQ1A0455	GUDIVADA JHANSI
21	15MQ1A0456	GUNUPURU VYSHNAVI
22	15MQ1A0458	KARUMURI D NAGAPRIYANKA
23	15MQ1A0466	MOHAMMAD SHABANA
24	15MQ1A0468	PARUCHURI M CHOWDARI
25	15MQ1A0472	PUVVADA TANUJA
26	15MQ1A0473	RAAVI SRAVYA
27	15MQ1A0474	SIVAKOTI VENU MADHAVI
28	15MQ1A0479	VENTRAPRAGADA KRISHNAVENI
29	16MQ5A0401	DINDI PRASANTHI
30	16MQ5A0403	GANGISHETTI LEELA SRI
31	16MQ5A0404	GUNDARAPU DURGA BHAVANI
32	16MQ5A0405	JAGABATTULA P USHA DEVI
33	16MQ5A0407	METLA NAGA JYOTHI
34	16MQ5A0409	BEZAWADA YEDUKONDALU
35	16MQ5A0410	BUDDANTI.D NAGA KUMAR
36	16MQ5A0418	THUMMA V SATYANARAYANA
37	16MQ5A0423	VEMULAWADA SRAVANI

2.2.1.4 Methodology to identify weak students:

- Weak students are identified from their participation in classroom discussion,performance in the assessment tests (less than 15 out of 30) and University result analysis.
- Department arranges remedial lectures for weak students in all the courses.
- Teacher informs the parents regarding improvement in the performance of their ward on regular basis.
- Attempts are made by the teachers to give personal attention to the weak students.
- Specially developed question banks and assignments are given.
- Participative and progressive weak students are given a chance to improve team work to motivate and appreciate their efforts.
- A blended motivation and responsibility from both parents and faculty will create a positive mindset and will help to overcome the inabilities and hurdles faced by the slow learners.
- A special counselling and tutorial classes are conducted by the faculty for those students who have failed in any subject

List of Weak Students for the Batch (2015-19):

A sample assessment form is shown below to show how faculty tracks the weak students and assess their performance:

S No.	Reg. No	Name of the Student	Internal-1 status	Internal -2 status	University Exam status
1	14MQ1A0407	CHAGANTIPATI SRUTHI			
2	14MQ1A0411	DAMA NAGA SWETHA			
3	14MQ1A0490	PARESE AVINASH			
4	15MQ1A0403	BRUGUMALLA L NARMADA			
5	15MQ1A0410	KOLLIPARA N V VEDAVATHI			
6	15MQ1A0412	LUKKA SANDHYA			
7	15MQ1A0413	MATTA VASAVI			
8	15MQ1A0414	MEDISETTI ASHA			
9	15MQ1A0415	MEENUGU GEETHA MADHURI			
10	15MQ1A0422	POLISETTY K SAIMAM			
11	15MQ1A0427	AKURI SAI LOKESH			
12	15MQ1A0428	ANGATI MOHAN KUMAR			
13	15MQ1A0429	BHOGADI LOHITH SAI			
14	15MQ1A0434	JONNALAGADDA SIVAKESAVA			
15	15MQ1A0436	KONATAM SATYA SAI BABU			
16	15MQ1A0438	MALLAPRAGADA V N S K CHARAN			
17	15MQ1A0440	MURALA SAI MAHESH			
18	15MQ1A0441	NANNAPANENI PHANINDRA KUMAR			
19	15MQ1A0442	SAILA MANOJ KUMAR			
20	15MQ1A0443	VERARAPU NAGA GANESH			

21	15MQ1A0447	BATTINA SUPRITHA			
22	15MQ1A0451	DOKKU GAYATHRI			
23	15MQ1A0459	KATAKAM MOUNIKA			
24	15MQ1A0460	KOTE THARANGINI			
25	15MQ1A0461	KUMBHAM JAYA PRASANNA			
26	15MQ1A0477	THIKISETTI SAMBHAVI			
27	15MQ1A0484	GUNDABATHULA S NAIDU			
28	15MQ1A0486	LAKSHMIPURAM MAHESH			
29	15MQ1A0487	METTU LEELA AMARNADH			
30	15MQ1A0488	MIR MOHAMMADALI			
31	15MQ1A0490	MUTTEVI N SHARMA			
32	15MQ1A0492	PEETHA RAGHAVENDRA			
33	16MQ5A0402	DOKKU ANURADHA			
34	16MQ5A0411	KALAPARTHI PAVAN KUMAR			
35	16MQ5A0412	KOKKILIGADDA N V P KUMAR			
36	16MQ5A0413	KONDAVEETI KONDALA RAO			
37	16MQ5A0417	MOTUPALLI.VAMSI			
38	16MQ5A0420	DEVISETTI KAVYA SRI			
39	16MQ5A0421	KUNAPA REDDY. SRAVATHI			
40	16MQ5A0422	PARISE KRISHNA VENI			
41	16MQ5A0424	CHILAKA B RAGHAVENDRA RAO			
42	16MQ5A0427	PINJALA SRIRAM			

2.2.1.5 Quality of Class Room Teaching

Classroom Teaching

- Each classroom is spacious and equipped with black board and audio visual aids to create a better ambience for effective teaching learning environment.
- Each lecture is scheduled for 50 minutes and Laboratory duration is 3 hrs.
- During the lecture, faculties take efforts to keep students engaged by reviewing and asking them questions on previous lecture and interactively deliver the lecture planned for the day.
- At the end of the lecture, students are encouraged to summarize, ask doubts from the content taught.
- Mentors are allocated for each year to monitor the class room randomly and alsotohave detailed list of students and inform to the parents about their activities.
- HoD and Principal monitors the class randomly and verify whether the syllabus is covered or not as per schedule for every 15 days.
- Assignments are given to students for their better performance and to assess them.
- Invited talks and seminars on the current trends are done regularly from the industry persons.

- Tutorial/Remedial classes are conducted for the slow learners based on their performance in external exams and after the first internals.
- Motivating and guiding students for higher studies and university ranks.
- Technical quiz is conducted for the students.
- All the faculties are requested to maintain Attendance registers, course files, Work dairies.
- Workshops are organized to help the students to understand the concepts beyond curriculum.
- One-one discussion, interaction between Professors and students increases confidence levels in students.
- Identifying bright and weak students.
- Motivate the weak students to attend tutorials and help them to solve more problems.
- Encourage the bright students to attend more workshops and technical talks.
- Industrial visits are conducted at least once a year to reduce the gap between industry and institute.

2.2.1.6 Conduct of Laboratory Experiments

Laboratories are equipped with the necessary infrastructure to facilitate the effective delivery of experiments in the laboratory. For laboratory sessions, students are required to bring the laboratory manual, control book, and record book. Students are advised to study the theory behind the experiment and conduct the experiment before the laboratory session. Students conduct experiments and record notes in the notebook. After completing the experiment, students are encouraged to discuss learning from the experience.

Each faculty performs the PO mapping analysis for the experiments offered by the university and select appropriate experiments, for the labs where the university offered a choice. Additional experiments are framed considering the mapping.

A sample mapping for MWE lab to verify the Alignment of Experiments with COs and POs is shown below:

Experiment Title	**COs**	**PO/PSO**
Reflex Klystron Characteristics.	C322.4	PO1,PO3,PO4,PO9,PO12,PSO1
Gunn Diode Characteristics.	C322. 5	PO1,PO3, PO4, PO9,PO12, PSO1
Directional Coupler Characteristics.	C322.3	PO1,PO3, PO4, PO9,PO12, PSO1
VSWR Measurement.	C322.6	PO1,PO2, PO4, PO9,PO12, PSO1
Scattering parameters of Circulator.	C322.3	PO1,PO3, PO4, PO9,PO12, PSO1
Scattering parameters of Magic Tee.	C322.3	PO1,PO3, PO4, PO9,PO12, PSO1
Waveguide parameters measurement.	C322.6	PO1,PO2, PO4, PO9,PO12, PSO1
Characterization of LED.	C416.4	PO1,PO3, PO9,PO12, PSO1
Characterization of Laser Diode	C416.4	PO1,PO3, PO9,PO12, PSO1
Measurement of Data rate for Digital Optical link.	C416.6	PO2,PO3, PO9,PO12, PSO1
Measurement of NA.	C416.1	PO1,PO2, PO9,PO12, PSO1

Measurement of losses for Analog Optical link.	C416.2	PO1,PO2, PO9,PO12, PSO1

Continuous Assessment in the Laboratory

Continuous evaluation is done by the faculty in every lab session for 10 marks based on rubrics as shown in Table below. The average marks of all session will be considered for awarding final internal assessment.

Table: Rubrics used for continuous evaluation in every lab session

Parameters	Allocated Marks	High	Medium	Low
Conduction	5	Given circuit rigged up, got output/Program executed with output.	Given circuit rigged up with partial output/Given program was partially executed in	Given circuit not rigged up/Given program was not executed in the lab session.
		5 Marks	4 Mark	0 Mark
Viva Voce	5	Student answered all theviva voce Questions	Student Answered only afew viva voce questions	Student did not answer any viva voce question
		5 Marks	3 Mark	0 Mark
Record writing	5	completed record was submitted	Record was submitted but	Record was not submitted in the lab
		4 - 5 Marks	1 - 3 Marks	0 Mark

Table: lists the rubrics for assessment in Internal Lab Examination.

Parameters	Allocated Marks	High	Medium	Low
Write up	4	Student was able to design and draw the circuit diagram with expected output/Program/algorithm written correctly.	Student was able to draw the circuit diagram but does not design/program partially known.	Student was unable to draw circuit diagram/program/ algorithm not known.
		3 - 4 Marks	1 - 2 Marks	0 Mark
Execution	4	Student was able to conduct the given experiment with output.	Student was partially able to conduct the given experiment.	Student was not able to conduct given experiment.
		3 - 4 Marks	1 - 2 Marks	0 Mark
Viva Voce	2	Student answered all the questions.	Student answered only few question	Student did not answer any question
		2 Marks	1 Mark	0 Mark

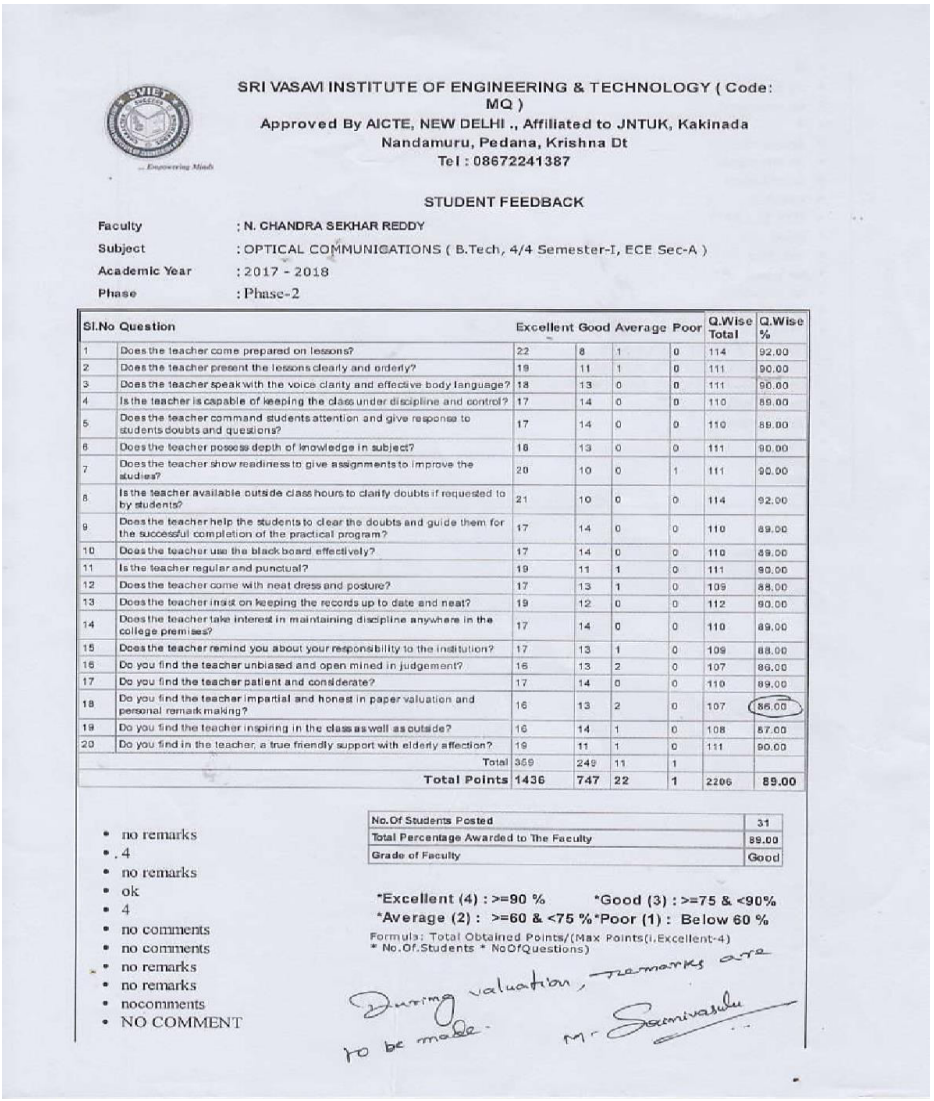
2.2.1.7 Student Feedback of Teaching Learning Process and actions taken

Faculty Feedback Performance for every course is assessed from students with various parameters as defined by the Institution. Figure below shows a sample copy of the feedback form.

Some of the parameters are:

- Clarity in explaining the subject.
- Course explained was easy to understand.
- Faculty answers to your queries.
- Coverage of topic/course is on time.
- The concepts were explained with example and others.
- Content quality is relevant and useful.

Sample Student Feedback Form:



SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY (Code: MQ)
Approved By AICTE, NEW DELHI ., Affiliated to JNTUK, Kakinada
Nandamuru, Pedana, Krishna Dt
Tel : 08672241387

STUDENT FEEDBACK

Faculty : N. CHANDRA SEKHAR REDDY
Subject : OPTICAL COMMUNICATIONS (B.Tech, 4/4 Semester-I, ECE Sec-A)
Academic Year : 2017 - 2018
Phase : Phase-2

Sl.No	Question	Excellent	Good	Average	Poor	Q.Wise Total	Q.Wise %
1	Does the teacher come prepared on lessons?	22	8	1	0	114	92.00
2	Does the teacher present the lessons clearly and orderly?	19	11	1	0	111	90.00
3	Does the teacher speak with the voice clarity and effective body language?	18	13	0	0	111	90.00
4	Is the teacher is capable of keeping the class under discipline and control?	17	14	0	0	110	89.00
5	Does the teacher command students attention and give response to students doubts and questions?	17	14	0	0	110	89.00
6	Does the teacher possess depth of knowledge in subject?	18	13	0	0	111	90.00
7	Does the teacher show readiness to give assignments to improve the studies?	20	10	0	1	111	90.00
8	Is the teacher available outside class hours to clarify doubts if requested to by students?	21	10	0	0	114	92.00
9	Does the teacher help the students to clear the doubts and guide them for the successful completion of the practical program?	17	14	0	0	110	89.00
10	Does the teacher use the black board effectively?	17	14	0	0	110	89.00
11	Is the teacher regular and punctual?	19	11	1	0	111	90.00
12	Does the teacher come with neat dress and posture?	17	13	1	0	109	88.00
13	Does the teacher insist on keeping the records up to date and neat?	19	12	0	0	112	90.00
14	Does the teacher take interest in maintaining discipline anywhere in the college premises?	17	14	0	0	110	89.00
15	Does the teacher remind you about your responsibility to the institution?	17	13	1	0	109	88.00
16	Do you find the teacher unbiased and open mined in judgement?	16	13	2	0	107	86.00
17	Do you find the teacher patient and considerate?	17	14	0	0	110	89.00
18	Do you find the teacher impartial and honest in paper valuation and personal remark making?	16	13	2	0	107	86.00
19	Do you find the teacher inspiring in the class as well as outside?	16	14	1	0	108	87.00
20	Do you find in the teacher, a true friendly support with elderly affection?	19	11	1	0	111	90.00
	Total	359	249	11	1		
	Total Points	1436	747	22	1	2206	89.00

- no remarks
- .4
- no remarks
- ok
- 4
- no comments
- no comments
- no remarks
- no remarks
- nocomments
- NO COMMENT

No.Of Students Posted	31
Total Percentage Awarded to The Faculty	89.00
Grade of Faculty	Good

*Excellent (4) : >=90 % *Good (3) : >=75 & <90%
*Average (2) : >=60 & <75 % *Poor (1) : Below 60 %

Formula: Total Obtained Points/(Max Points(i.Excellent-4) * No.Of.Students * NoOfQuestions)

During valuation, remarks are to be made.

Mr. Srinivasulu

2.2.2.QualityofinternalsemesterQuestionpapers,AssignmentsandEvaluation(20)

(Mentiontheinitiatives,implementationdetailsandanalysisoflearninglevelsrelatedto qualityofsemesterquestionpapers,assignmentsandevaluation)

Internal Assessment Test:

The institute conducts two internal assessment tests after completing 8th week and 16th week respectively. Each test covers half of the syllabus. The tests are conducted for a maximum of 30 marks. (No minimum marks criteria from the university). The duration of the test is one and half hour and question paper is set to make the student to learn time management. Program Coordinator along with test coordinator is responsible for the conduction of the test. The department has a Scrutinizing Committee, comprising of HoD and two senior faculty members to check the quality of the question paper, BT levels and COs compliance.

Process for Internal Assessment Test Question Paper Setting:

- The course co-coordinator sets the question paper for the Internal Assessment.
- The course co-coordinator ensures to frame questions based on various BT levels and is mapped to the Course Outcomes (COs) to assess the students at various BT levels.

Procedure for Conduction and Evaluation of Internal Assessment Test:

The time table for the Internal Assessment Test will be conducted as per academic calendar.The dates are announced and kept in the notice board 15 days prior to the commencement of the test.

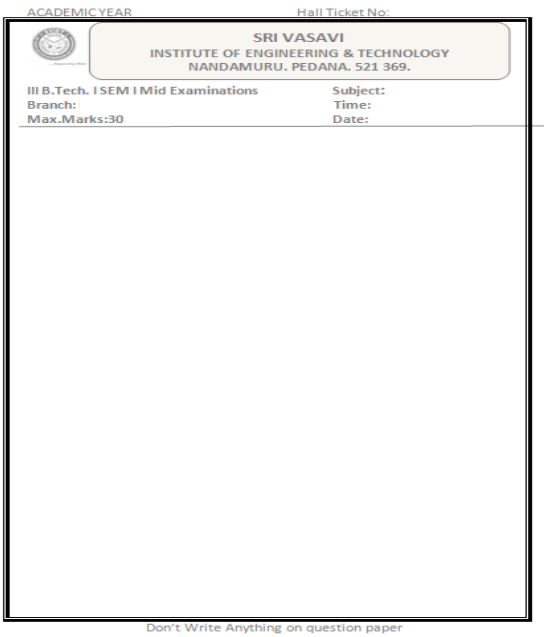
Question Papers:

For each subject, question bank is prepared. While setting the question paper all previous university exam papers are taken into consideration. According to level of toughness the questions are prepared (viz., analyzing the problems, implementation of modern tools, formulating the problems etc), which is termed as Bloom's Taxonomy.

The questions will be of three categories:

- One third of the questions is straight and can be answered by all students.
- One third of the questions need analysis and use of content covered as per syllabus.
- Remaining one third of the questionsareasked indirectly so thatcertain amount of thinking, analysis and mathematical knowledge are required to resolve.

A question paper template is shown in the following figure


ACADEMIC YEAR Hall Ticket No:

SRI VASAVI
INSTITUTE OF ENGINEERING & TECHNOLOGY
NANDAMURU. PEDANA. 521 369.

III B.Tech. I SEM I Mid Examinations Subject:
Branch: Time:
Max.Marks:30 Date:

Don't Write Anything on question paper

Assignments:

- Assignment issue and submission dates are announced by the respective faculty members. Assignment questions are prepared using Bloom's Taxonomy process.
- Surprise tests, quizzes, video links are provided.
- In order to bridge the gap in curriculum, bright students are given some assignment beyond syllabus.
- Assignments are evaluated and feedback is given to the students to improve their learning and appreciate their efforts

Evaluation:

- After every internal assessment test, all the faculty members explain the solutionfor the questions in the class which helps them to perform well in the final examination.
- For any genuine reasons, if a student was failed to attend the exam, the test will be reconducted again to him/her.
- For R-16 regulation, 80% of the marks are considered from one of the internal and 20% of the marks are considered from the other internal test and for R-13 regulation out of two internal tests one best internal test is considered. If a candidate remains absent for all the tests conducted, the Internal assessment marks are marked as "Absent" in the result.
- Assignments are used as a tool for practice and evaluation is based purely on Internal Assessment Test

Evaluation Quality:

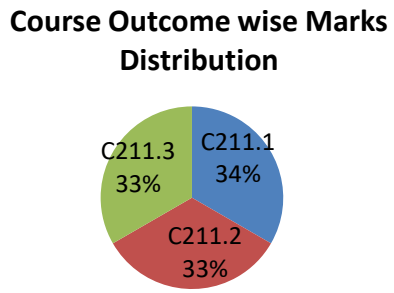
Each faculty prepares scheme of evaluation and also the key for each exam conducted to the students. The answer sheets after evaluation will be distributed to students in the class room and discuss the answers with students. If there are any grievances, same will be discussed and resolved

Sample Internal Question Paper Analysis:

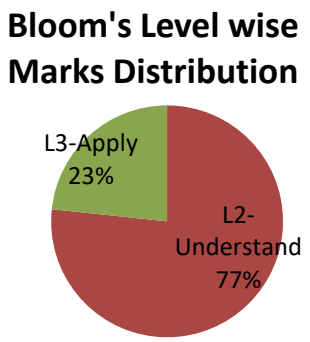
Name of the Course: Electronic Devices and Circuits **Year & Semester: II Year I Sem**
Course Code: C211 **INTERNAL: 1**

Q.No	Question	Marks	CO	TL
1.a	Describe the Hall Effect. What properties of a semiconductor are determined from a Hall Effect experiment?	5	C211.1	Understand
1.b	In an N type semiconductor the fermi level is 0.3 ev below the conduction band at 300k. If the temperature is increased to 360 k, If the temperature is increased to 360 k, determine the new position of Fermi level.	5	C211.1	Apply
2.a	Explain the operations of Tunnel diode with the help of Energy band diagrams.	8	C211.2	Understand
2.b	The reverse saturation current of Ge diode is 2 micro amps at a temperature of 25 degree centigrade. Find the reverse saturation current of the diode at a temperature of 75 degree centigrade.	2	C211.2	Apply
3.a	Explain the operation of Bridge Rectifier and derive its ripple factor.	5	C211.3	Understand
3.b	Explain the operation of Full Wave Rectifier with shunt Capacitor filter and derive its ripple factor.	5	C211.3	Understand

CO	Marks	%
C211.1	10	33.33
C211.2	10	33.33
C211.3	10	33.33



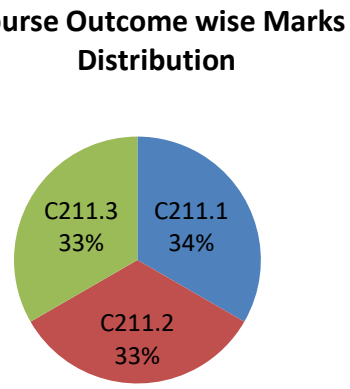
TL	Marks	%
L1-Remember		
L2-Understand	23	76.67
L3-Apply	7	23.33
L4-Analyze		
L5-Evaluate		
L6-Create		



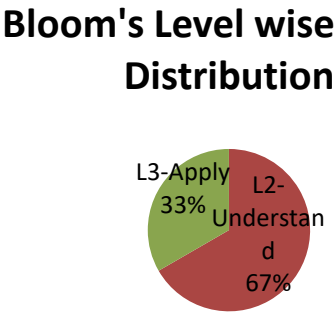
Name of the Course: Electronic Devices and Circuits **Year & Semester: II Year I Sem**
Course Code: C211 **INTERNAL: 2**

Q.No	Question	Marks	CO	TL
1.a	How BJT acts as an Amplifier	5	C211.4	Understand
1.b	Explain the construction and operation of Enhancement MOSFET.	5	C211.4	Understand
2	Define Stability Factor and derive the Stability Factor for Self Bias circuit.	10	C211.5	Apply
3	Draw the neat circuit diagram of CE amplifier in terms of h parameters. Determine Current gain, input resistance, voltage gaain and output admittance using exact analysis.	10	C211.6	Understand

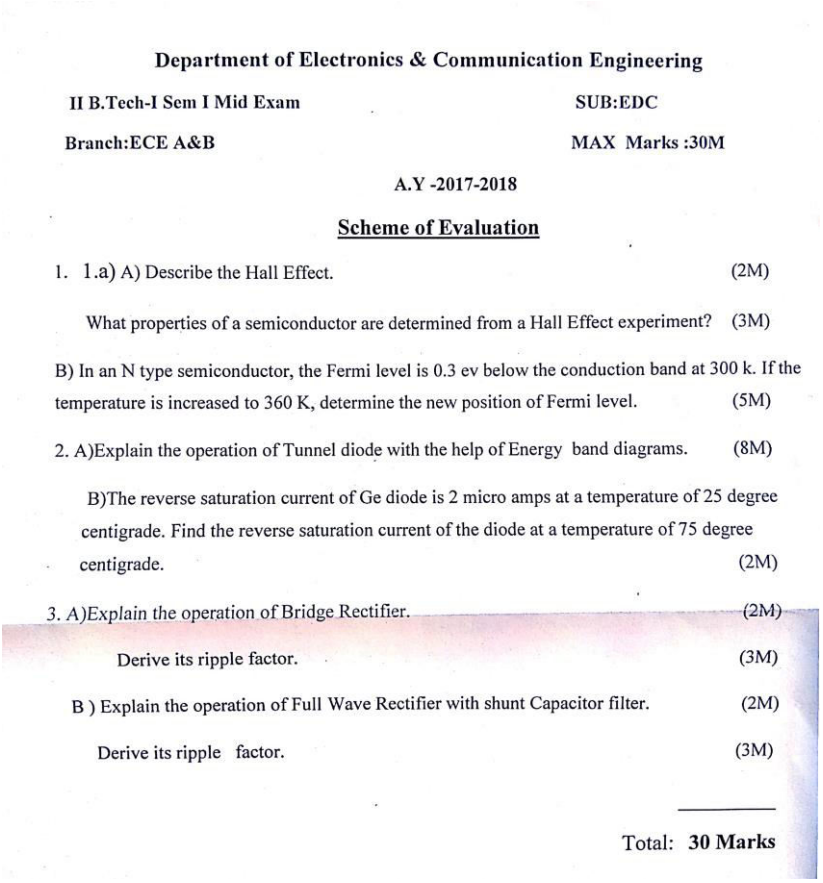
CO	Marks	%
C211.1	10	33.33
C211.2	10	33.33
C211.3	10	33.33



TL	Marks	%
L1-Remember		
L2-Understand	20	66.67
L3-Apply	10	33.33
L4-Analyze		
L5-Evaluate		
L6-Create		



A Sample Scheme of Evaluation for EDC Internal Question Paper is shown below:



Department of Electronics & Communication Engineering

II B.Tech-I Sem I Mid Exam **SUB:EDC**

Branch:ECE A&B **MAX Marks :30M**

A.Y -2017-2018

Scheme of Evaluation

1. 1.a) A) Describe the Hall Effect. (2M)

What properties of a semiconductor are determined from a Hall Effect experiment? (3M)

B) In an N type semiconductor, the Fermi level is 0.3 ev below the conduction band at 300 k. If the temperature is increased to 360 K, determine the new position of Fermi level. (5M)

2. A)Explain the operation of Tunnel diode with the help of Energy band diagrams. (8M)

B)The reverse saturation current of Ge diode is 2 micro amps at a temperature of 25 degree centigrade. Find the reverse saturation current of the diode at a temperature of 75 degree centigrade. (2M)

3. A)Explain the operation of Bridge Rectifier. (2M)

Derive its ripple factor. (3M)

B) Explain the operation of Full Wave Rectifier with shunt Capacitor filter. (2M)

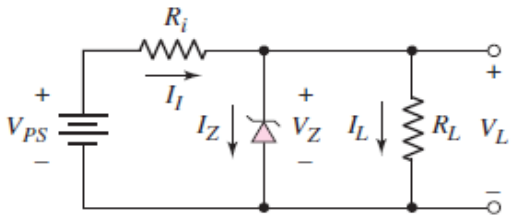
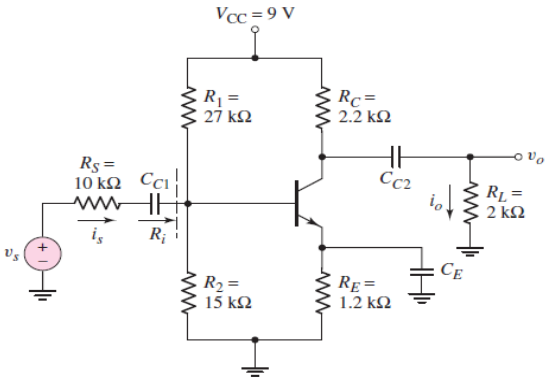
Derive its ripple factor. (3M)

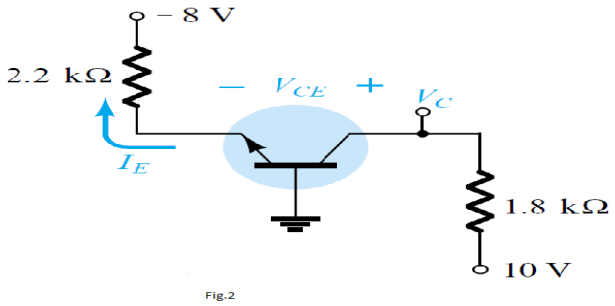
Total: **30 Marks**

Sample Assignment Question Paper Analysis:

Name of the Course: Electronic Devices and Circuits **Year & Semester: II Year I Sem Course Code: C211** **Assignment Questions**

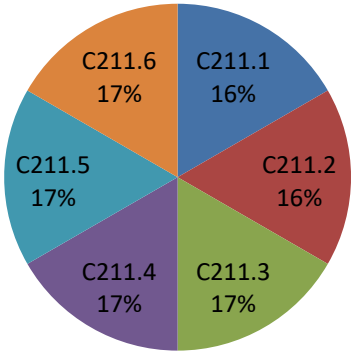
Q NO	Assessment question	Marks	Connected CO	BTL of CO
A1.1	Consider silicon at T = 300 K doped with phosphorus at a concentration of Nd= 1016 cm−3. ni= 1.5 × 1010 cm−3 . Calculate electron & hole concentrations in this semiconductor.	2M	C211.1	Apply
A1.2	Define Hall Effect and Derive Hall coefficient expression along with applications of Hall Effect.	1M		Apply
A1.3	Derive continuity equation and state its special cases.	2M		Apply
A2.1	With minority carrier profile, derive expression for diode current in PN junction diode under forward bias condition.	2M	C211.2	Apply
A2.2	A diode is doped with NA=1018/cm3 on the p-type side and ND=1015/cm3 on the n-type side. Calculate the depletion-region width wdoand built-in voltage? Assume ni= 1.5 × 1010 cm−3	2M		Apply
A2.3	Explain in detail about V-I characteristics of a Zener diode.	1M		Understand

A3.1	Design a voltage regulator using the circuit shown below. The voltage regulator is to power a car radio at VL= 9 V from an automobile battery whose voltage may vary between 11 and 13.6 V. The curr 100  	2M	C211.3	Create
A3.2	With circuit and necessary waveforms, explain the operation of Bridge Rectifier.	1M		Understand
A3.3	Derive an expression for ripple factor for FWR with capacitor filter.	2M		Apply
A4.1	With a neat sketch, explain the different current components of a transistor in forward active region.	2M	C211.4	Understand
A4.2	With the diagram of minority carrier profile, derive an expression for β in NPN transistor in forward active region.	1M		Apply
A4.3	Draw and explain the drain characteristics of N-channel enhancement type.	2M		Understand
A5.1	Determine the stability factor for a CE amplifier by using self biased circuit.	1M	C211.5	Understand
A5.2	For the circuit shown in Fig 1, determine (a) IB, IC, VCE, gm (b) Ri, Av, Ro.  Fig 1	2M		Analyze

A5.3	For the circuit shown in Fig 3a, calculate IE, VCE, VC. Assume β=100, VBE=0.7.  Fig.2	2M		Apply
A6.1	A CE amplifier is drawn by a voltage source of internal resistance Rs = 1000 Ω. The h-parameters are hie = 1 KΩ, hre = 2 x 10-4 , hfe = 50, hoe = 25 μA/V. Calculate the current gain, voltage gain and output resistance using exact analysis.	2M	C211.6	Apply
A6.2	Compare CE, CB, CC amplifiers	1M		Understand
A6.3	With aneat circuit diagram, derive an expression for voltage gain in CS amplifier.	2M		Understand

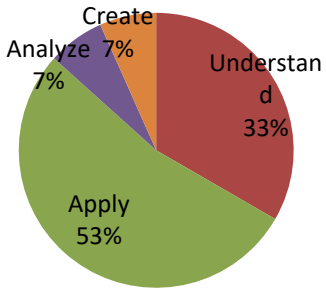
CO#	Marks	Percentage
C211.1	5	16.67
C211.2	5	16.67
C211.3	5	16.67
C211.4	5	16.67
C211.5	5	16.67
C211.6	5	16.67

Course Outcome Wise Marks distribution Analysis in %



BTL	Marks	Percentage
Remember		
Understand	10	33.33
Apply	16	53.33
Analyze	2	6.67
Evaluate		
Create	2	6.67

Blooms Level Marks distribution in %



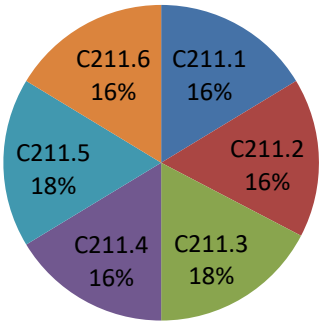
Sample End Semester Paper Analysis:
Name of the Course: Electronic Devices and Circuits **Year & Semester: II Year I**
Sem Course Code: C211 **Semester End Paper- SET 1**

	OCT/NOV-2017 University Question Paper Analysis			SET-1
Q.No	**Question**	**Marks**	**CO**	**TL**
1.a	What is intrinsic semiconductor?	2	C211.1	remember
1.b	Write the disadvantages of LED	2	C211.2	remember
1.c	Define Ripple factor and peak inverse voltage	3	C211.3	remember
1.d	Write the applications of JFET	2	C211.4	remember
1.e	What are the advantages of self-biasing circuit?	3	C211.5	remember
1.f	What is emitter follower?	2	C211.6	remember
2.a	Explain in detail about Hall effect	7	C211.1	understand
2.b	Calculate the resistivity of intrinsic germanium at 300^0K .Assume $n_i = 2x10^{13}$ per cm^3, $\mu_n = 3800$ $cm^3/V-s$ and $\mu_p = 1800$ $cm^3/V-s$	7	C211.1	apply
3.a	Explain the formation of depletion region in a PN junction	7	C211.2	understand
3.b	A P-N junction silicon diode has a reverse saturation current of 50nA at room temperature27^0K . If the new reverse saturation current is observed to be 160nA , calculate the value of new temperature.	7	C211.2	apply
4.a	Draw and explain the circuit diagram of full wave rectifier with L-section filter	7	C211.3	understand
4.b	In half-wave rectifier an ac voltage of peak value 24V is connected in series with silicon diode and load resistance of 480Ω. If the forward resistance of the diode is 20Ω, find average load current and rms value of load current.	7	C211.3	apply
5.a	Explain input and output characteristics of a transistor in CB configuration	7	C211.4	understand

5.b	A certain JFET operates in the linear region with a constant drain voltage of 1V. When the gate voltage is 2V, a drain current of 10mA flows, but when gate voltage is changed to 1V, the drain current becomes 22.8mA. Find (a) the pinch-off voltage (b)the channel resistance for zero gate voltage	7	C211.4	apply
6.a	Explain any two bias compensation techniques	7	C211.5	understand
6.b	An npn transistor if β =50 is used in CE circuit with V_{CC} = 10V , R_C = 2KΩ . The bias is obtained by connecting 100kΩ resistor from collector to base. Find the quiescent point and stability factor.	7	C211.5	apply
7.a	Draw the h-parameters equivalent circuit for a common emitter amplifier and derive the Expression for Ai ,RI, Av.	7	C211.6	apply
7.b	Compare the performance of BJT as an amplifier in CE, CB, CC configuration	7	C211.6	analyze

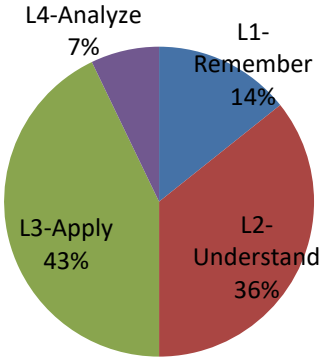
CO	Marks	%
C211.1	16	16.3265
C211.2	16	16.3265
C211.3	17	17.3469
C211.4	16	16.3265
C211.5	17	17.3469
C211.6	16	16.3265

CO wise Marks Distribution



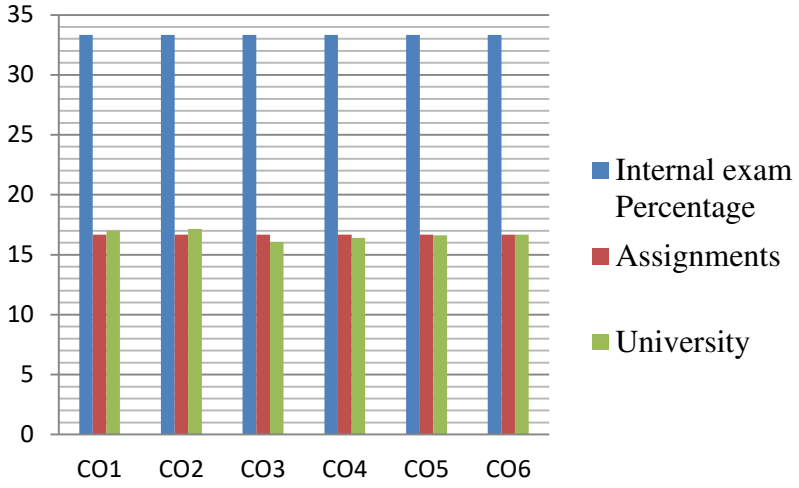
TL	Marks	%
L1-Remember	14	14.28571
L2-Understand	35	35.71429
L3-Apply	42	42.85714
L4-Analyze	7	7.142857
L5-Evaluate		
L6-Create		

TL wise Marks Distribution



Average levels of evaluation for the COs (2017-18):

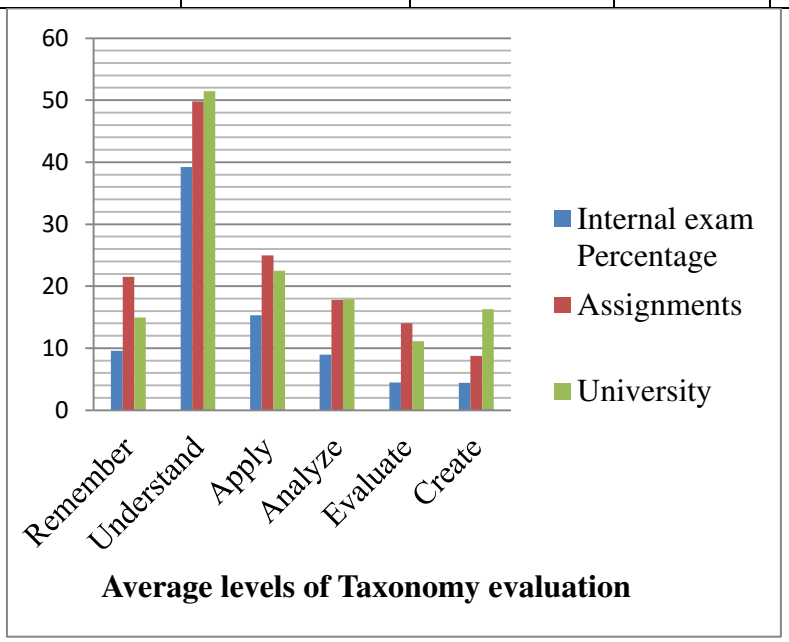
COs	CO1	CO2	CO3	CO4	CO5	CO6
Internal exam Percentage	33.33	33.33	33.33	33.33	33.33	33.33
Assignments	16.67	16.67	16.67	16.67	16.67	16.67
University	16.99	17.15	16.05	16.40	16.63	16.66



Average levels of evaluation for the COs

Average levels of Taxonomy evaluation:

COs	Remember	Understand	Apply	Analyze	Evaluate	Create
Internal exam Percentage	9.60	39.23	15.34	8.98	4.47	4.44
Assignments	21.51	49.78	24.97	17.77	14	8.75
University	14.94	51.45	22.48	17.90	11.11	16.32



Average levels of Taxonomy evaluation

2.2.3.Qualityofstudentprojects(25)

(Qualityoftheprojectismeasuredintermsofconsiderationtofactorsincluding,butnot limitedto,environment,safety,ethics,cost,type(application,product,research,review etc.)andstandards.Processesrelatedtoprojectidentification,allotment,continuous monitoring,evaluationincludingdemonstrationofworkingprototypesandenhancingthe relevanceofprojects.MentionImplementationdetailsincludingdetailsofPOsandPSOs addressedthroughtheprojectswithjustification)

Project Allocation:

- Faculty names with area of specialization will be displayed in the notice board.
- At the beginning of the academic year, project coordinator will prepare the list of faculty expertise and major specializations to be offered for the project.
- The major areas of specialization for AY 2018-19 are Signal Processing, Embedded Systems, VLSI and Communication Systems.

Following are the list of faculty identified as guides and the area of specializations in which the projects are offered by them.

S.No	Name of the Guide	Area of Specialization
1	Dr. M.SRINIVASULU	Signal Processing / Embedded Systems
2	G.S.V.N.V.BABU	Embedded Systems
3	Dr.S.KOTESWARA RAO	Communication
4	A.CHANDRA SURESH	Embedded Systems
5	K.P.R.R.RAJU	VLSI
6	K SATEESH KUMAR	Signal Processing
7	P ANNAPURNA	VLSI
8	G.SITA ANNAPURNA	Embedded Systems
9	B.PHANINDRA KUMAR	VLSI / Embedded Systems
10	N.CHANDRA SEKHARA REDDY	Embedded Systems
11	D.V.SRIDHAR	Communication / Embedded Systems
12	K.PITHAMBER	VLSI
13	K.SAI SUDHEER	VLSI / Embedded Systems
14	A.RAVI SHANKAR	Embedded Systems
15	J.JAYA LAKSHMI	Embedded Systems
16	K SWARAJYA LAKSHMI	Communication
17	K.SURENDHRA	Embedded Systems
18	K MEENA ANUSHA	Communication / Embedded Systems
19	N VENU	Embedded Systems
20	K.G.V.NAGESWARA RAO	VLSI
21	S.ARJUN RAO	Communication / Embedded Systems
22	B SUJATHA	VLSI System Design

- Student project batch will be formed based on their previous cumulative pass percentage.
- Student batch will be formed for boys and girls separately,
- Typically the number of students per batch will be five.
- Students are arranged in the descending order based on their overall pass percentage up to 3rd year 2nd semester.
- Assign the batch numbers to the students from 1 to last batch number and last batch number to 1. This process is continued for all the students.
- Students who got same batch number will be grouped as one batch

List of IV B.Tech. II Sem. ECE-A Student

S.No	Roll.No	Student Name	Total %	Batch
1	15MQ1A0421	PARIMI LALITHA	88.29	A1
2	15MQ1A0420	PARIMI HARITHA	86.72	A2
3	16MQ5A0405	J POORNIMA USHA DEVI	82.77	A3
4	15MQ1A0401	ANGATAMANEESHARANI	76.27	A4
5	15MQ1A0418	PADAMATA NEELIMA	76.06	A5
6	15MQ1A0448	B SRI SAI SNEHITHA	75.83	A6
7	15MQ1A0479	V KRISHNAVENI	74.95	A7
8	15MQ1A0468	P MEGHANA CHOWDARI	73.31	A8
9	15MQ1A0425	VEERANKI NAGA RAMYASWI	72.48	A9
10	16MQ5A0407	METLA NAGA JYOTHI	72.1	A10
11	15MQ1A0419	P LAKSHMI RAJESWARAMMA	70.25	A11
12	15MQ1A0454	GUDISEVA USHA RANI	69.77	A12
13	15MQ1A0466	MOHAMMAD SHABANA	69.56	A13
14	16MQ5A0403	GANGISHETTI LEELA SRI	69.06	A14
15	15MQ1A0409	KODAVATI LAVANYA	68.99	A15
16	15MQ1A0458	K DIVYA NAGAPRIYANKA	68.91	A16
17	15MQ1A0456	GUNUPURU VYSHNAVI	68.82	A17
18	15MQ1A0473	RAAVI SRAVYA	68.8	A18
19	15MQ1A0474	SIVAKOTI VENU MADHAVI	68.4	A19
20	16MQ5A0423	VEMULAWADA SRAVANI	67.87	A20
21	15MQ1A0450	CHINTALA SANDHYA KUMARI	67.24	A20
22	15MQ1A0426	YEDIDA KEERTHANA	66.91	A19
23	16MQ5A0401	DINDI PRASANTHI	66.52	A18
24	15MQ1A0472	PUVVADA TANUJA	65.96	A17
25	15MQ1A0452	D VIJAYA LAKSHMI	65.85	A16
26	15MQ1A0405	D VENKATA PRASANNA	65.62	A15
27	15MQ1A0453	DORA PRASANTHI	65.6	A14
28	15MQ1A0407	E SAILAKSHMI PRASANNA	64.82	A13
29	15MQ1A0416	M LAKSHMI PRASANNA	64.82	A12
30	15MQ1A0455	GUDIVADA JHANSI	64.44	A11

31	15MQ1A0411	KURAPATI DEVI PRIYANKA	63.96	A10
32	15MQ1A0445	A CHITRA RAMA SAI N L SHAKUNTALA	63.94	A9
33	16MQ5A0418	T VENKATA SATYANARAYANA	63.39	A8
34	15MQ1A0423	RAHILA BEGUM	62.93	A7
35	16MQ5A0410	B.DILIP NAGA KUMAR	62.9	A6
36	16MQ5A0409	BEZAWADA YEDUKONDALU	62.06	A5
37	15MQ1A0412	LUKKA SANDHYA	61.68	A4
38	16MQ5A0412	KOKKILIGADDA NAGA VENKATA PHANI KUMAR	61.65	A3
39	15MQ1A0413	MATTA VASAVI	61.24	A2
40	15MQ1A0427	AKURI SAI LOKESH	61.2	A1
41	15MQ1A0436	KONATAM SATYA SAI BABU	61.03	A1
42	16MQ5A0421	KUNAPA REDDY. SRAVATHI	60.9	A2
43	15MQ1A0451	DOKKU GAYATHRI	60.76	A3
44	15MQ1A0477	THIKISETTI SAMBHAVI	60.53	A4
45	16MQ5A0404	GUNDARAPU DURGA BHAVANI	60.39	A5
46	15MQ1A0447	BATTINA SUPRITHA	60.25	A6
47	16MQ5A0420	DEVISETTI KAVYA SRI	60.23	A7
48	15MQ1A0415	MEENUGU GEETHA MADHURI	59.96	A8
49	15MQ1A0403	B LAKSHMI NARMADA	59.66	A9
50	16MQ5A0422	PARISE KRISHNA VENI	58.81	A10
51	15MQ1A0459	KATAKAM MOUNIKA	58.34	A11
52	16MQ5A0402	DOKKU ANURADHA	58.16	A12
53	15MQ1A0438	M V N S KRISHNA CHARAN	57.09	A13
54	15MQ1A0484	G SANDEEP NAIDU	56.88	A14
55	15MQ1A0460	KOTE THARANGINI	56.76	A15
56	15MQ1A0443	VERARAPU NAGA GANESH	56.57	A16
57	15MQ1A0487	METTU LEELA AMARNADH	56.42	A17
58	15MQ1A0441	N PHANINDRA KUMAR	56.25	A18
59	15MQ1A0492	PEETHA RAGHAVENDRA	55.92	A19
60	16MQ5A0424	Ch B RAGHAVENDRA RAO	55.45	A20
61	15MQ1A0461	KUMBHAM JAYA PRASANNA	55.39	A20
62	15MQ1A0410	K N VENKATA VEDAVATHI	54.67	A19
63	14MQ1A0411	DAMA NAGA SWETHA	53.85	A18
64	15MQ1A0440	MURALA SAI MAHESH	53.77	A17
65	16MQ5A0411	KALAPARTHI PAVAN KUMAR	53.06	A16
66	15MQ1A0422	P KEERTHANA SAIMAM	52.74	A15
67	15MQ1A0488	MIR MOHAMMADALI	49.14	A14
68	15MQ1A0429	BHOGADI LOHITH SAI	49.01	A13
69	16MQ5A0413	KONDAVEETI KONDALA RAO	48.97	A12
70	15MQ1A0486	LAKSHMIPURAM MAHESH	48.4	A11
71	15MQ1A0434	JONNALAGADDA SIVAKESAVA	48.21	A10
72	14MQ1A0490	PARESE AVINASH	46.03	A9
73	16MQ5A0417	MOTUPALLI.VAMSI	45.81	A8
74	16MQ5A0427	PINJALA SRIRAM	45.13	A7

75	15MQ1A0414	MEDISETTI ASHA	44.13	A6
76	15MQ1A0428	ANGATI MOHAN KUMAR	43.18	A5
77	15MQ1A0442	SAILA MANOJ KUMAR	42.93	A4
78	15MQ1A0490	MUTTEVI NARAYANA SHARMA	37.22	A3
79	14MQ1A0407	CHAGANTIPATI SRUTHI	37.14	A2

List of IV B.Tech. II Sem. ECE-B Students

Sl.No	Roll.No	Student Name	Total %	Batch
1	15MQ1A0482	AMBATI PAVAN KUMAR	87.94	B1
2	15MQ1A0404	CHINTHADA KAVYA SRI	81.16	B2
3	15MQ1A0408	KARUMURI ROHINI	81.05	B3
4	15MQ1A0464	M SAI LAKSHMI SOWJANYA	80.17	B4
5	15MQ1A0406	EDUPUGANTI AKHILA	79.07	B5
6	15MQ1A0457	KANTETI BALA VYSHNAVI	76.55	B6
7	15MQ1A0476	TALARI PRATYUSHA	76.02	B7
8	15MQ1A0424	T N VENKATA SWATHI	73.87	B8
9	15MQ1A0435	KOLLALA SRINIVASA RAO	73.75	B9
10	15MQ1A0417	N V LALITHA KUMARI	73.49	B10
11	15MQ1A0446	APPIKATLA RAMYA USHA	73.49	B10
12	15MQ1A0465	MARY PRATHYUSHA KARE	73.45	B9
13	16MQ5A0428	PUPPALA AJAY	73.03	B8
14	15MQ1A0475	SUDANI DHANA LAKSHMI	72.27	B7
15	15MQ1A0449	Ch LAKSHMI THANUJA	72.15	B6
16	15MQ1A0469	PETTA MOUNIKA DEVI	71.49	B5
17	15MQ1A0478	VEMULA KIRANMYEE	71.12	B4
18	16MQ5A0429	VEMULA.SAI KUMAR	70.71	B3
19	15MQ1A0471	P M ANAGHA GUDIVADA	70.53	B2
20	15MQ1A0402	B HEMA SRI LAKSHMI	69.45	B1
21	15MQ1A0467	NALAM BALA BHARGAVI	69.07	B1
22	16MQ5A0408	BATHINA NAGA SUDHEER	68.61	B2
23	15MQ1A0439	Md. RAHAMATULLAH	68.36	B3
24	15MQ1A0462	K TEJESWANI	68.34	B4
25	15MQ1A0470	P LAKSHMI PRATHYUSHA	68.04	B5
26	15MQ1A0491	P R N V SAI SANTOSH	68.04	B6
27	15MQ1A0444	ABDUL SHAHEEN	67.31	B7
28	16MQ5A0406	JANYAVULA KATYAYINI	65.39	B8
29	16MQ5A0415	MANEPALLI NAGA VAMSI	65.16	B9
30	15MQ1A0463	K L V SUCHARITHA	64.82	B10
31	16MQ5A0419	A B N VENKATA DIVYA	64.55	B10

32	16MQ5A0414	K SRI SI RAMA KRISHNA	63.68	B9
33	16MQ5A0416	MATTA. SWAMY	62.23	B8
34	15MQ1A0489	Md. AMEERBASHA	61.52	B7
35	16MQ5A0426	PAMARTHI RAMKRISHNA	60.74	B6
36	15MQ1A0431	DORADLA HARI	55.07	B5
37	15MQ1A0493	YATAM SAI KRISHNA	54.91	B4
38	15MQ1A0430	BOPPANA RAGHUNADH	54.15	B3
39	16MQ5A0425	P VISHNU VARDHAN	51.03	B2

- Project coordinator will collect the area of interest from all the project batches.

S.No	Roll.No	Batch	Area of Interest
1	15MQ1A0421	A1	Embedded Systems
2	15MQ1A0427		
3	15MQ1A0436		
4	15MQ1A0420	A2	Embedded Systems
5	15MQ1A0413		
6	16MQ5A0421		
7	14MQ1A0407		
8	16MQ5A0405	A3	Embedded Systems
9	16MQ5A0412		
10	15MQ1A0451		
11	15MQ1A0490		
12	15MQ1A0401	A4	VLSI
13	15MQ1A0412		
14	15MQ1A0477		
15	15MQ1A0442		
16	15MQ1A0418	A5	Embedded Systems
17	16MQ5A0409		
18	16MQ5A0404		
19	15MQ1A0428		
20	15MQ1A0448	A6	Embedded Systems
21	16MQ5A0410		
22	15MQ1A0447		
23	15MQ1A0414		
24	15MQ1A0479	A7	Embedded Systems
25	15MQ1A0423		
26	16MQ5A0420		
27	16MQ5A0427		
28	15MQ1A0468	A8	VLSI
29	16MQ5A0418		
30	15MQ1A0415		
31	16MQ5A0417		
32	15MQ1A0425	A9	DIP

33	15MQ1A0445		
34	15MQ1A0403		
35	14MQ1A0490		
36	16MQ5A0407	A10	Embedded Systems
37	15MQ1A0411		
38	16MQ5A0422		
39	15MQ1A0434		
40	15MQ1A0419	A11	Embedded Systems
41	15MQ1A0455		
42	15MQ1A0459		
43	15MQ1A0486		
44	15MQ1A0454	A12	Embedded Systems
45	15MQ1A0416		
46	16MQ5A0402		
47	16MQ5A0413		
48	15MQ1A0466	A13	VLSI
49	15MQ1A0407		
50	15MQ1A0438		
51	15MQ1A0429		
52	16MQ5A0403	A14	Embedded Systems
53	15MQ1A0453		
54	15MQ1A0484		
55	15MQ1A0488		
56	15MQ1A0409	A15	Embedded Systems
57	15MQ1A0405		
58	15MQ1A0460		
59	15MQ1A0422		
60	15MQ1A0458	A16	Embedded Systems
61	15MQ1A0452		
62	15MQ1A0443		
63	16MQ5A0411		
64	15MQ1A0456	A17	VLSI
65	15MQ1A0472		
66	15MQ1A0487		
67	15MQ1A0440		
68	15MQ1A0473	A18	Embedded Systems
69	16MQ5A0401		
70	15MQ1A0441		
71	14MQ1A0411		
72	15MQ1A0474	A19	Embedded Systems
73	15MQ1A0426		
74	15MQ1A0492		
75	15MQ1A0410		

76	16MQ5A0423	A20	Embedded Systems
77	15MQ1A0450		
78	16MQ5A0424		
79	15MQ1A0461		

S.No	Roll.No	Batch	Area of Interest
1	15MQ1A0482	B1	Embedded Systems
2	15MQ1A0402		
3	15MQ1A0467		
4	15MQ1A0404	B2	VLSI
5	15MQ1A0471		
6	16MQ5A0408		
7	16MQ5A0425		
8	15MQ1A0408	B3	Communication
9	16MQ5A0429		
10	15MQ1A0439		
11	15MQ1A0430		
12	15MQ1A0464	B4	Communication
13	15MQ1A0478		
14	15MQ1A0462		
15	15MQ1A0493		
16	15MQ1A0406	B5	Embedded Systems
17	15MQ1A0469		
18	15MQ1A0470		
19	15MQ1A0431		
20	15MQ1A0457	B6	Embedded Systems
21	15MQ1A0449		
22	15MQ1A0491		
23	16MQ5A0426		
24	15MQ1A0476	B7	VLSI
25	15MQ1A0475		
26	15MQ1A0444		
27	15MQ1A0489		
28	15MQ1A0424	B8	Communication
29	16MQ5A0428		
30	16MQ5A0406		
31	16MQ5A0416		
32	15MQ1A0435	B9	VLSI
33	15MQ1A0465		
34	16MQ5A0415		
35	16MQ5A0414		
36	15MQ1A0417	B10	Embedded Systems
37	15MQ1A0446		

38	15MQ1A0463		
39	16MQ5A0419		

- Based on the faculty expertise, project coordinator will allot the batches to various guides in consultation with HOD.
- Every project batch students will approach their respective guides, discusses the topics and finalizes the project title.
- Project coordinator collects finalized project titles from various guides and displays the consolidated project list on notice board with all details.
- Faculty will give their approval to the project batch based on first cum first serve.

A sample copy of Project Batches With respective titles is shown below:

IV-II Project Batches for Section A

S.No	Roll. No	Batch	Student Name	Title	Guide name
1	15MQ1A0421	A1	PARIMI LALITHA	Real Time Smart City Garbage Collection And Air Pollution Monitoring System Using GSM And GPS	G.SITA ANNAPURNA
2	15MQ1A0427		AKURI SAI LOKESH		
3	15MQ1A0436		KONATAM SATYA SAI BABU		
4	15MQ1A0420	A2	PARIMI HARITHA	Automated Library System using Robotic Arm	N.CHANDRA SEKHAR REDDY
5	15MQ1A0413		MATTA VASAVI		
6	16MQ5A0421		KUNAPA REDDY. SRAVATHI		
7	14MQ1A0407		CHAGANTIPATI SRUTHI		
8	16MQ5A0405	A3	JAGABATTULA POORNIMA USHA DEVI	GSM Based Dangerous Press Machine Safety	A. RAVI SHANKAR
9	16MQ5A0412		KOKKILIGADDA NAGA VENKATA PHANI KUMAR		
10	15MQ1A0451		DOKKU GAYATHRI		
11	15MQ1A0490		MUTTEVI NARAYANA SHARMA		
16	15MQ1A0418	A5	PADAMATA NEELIMA	Metal Detecting Robotic Vehicle	D.V.SRIDHAR
17	16MQ5A0409		BEZAWADA YEDUKONDALU		
18	16MQ5A0404		GUNDARAPU DURGA BHAVANI		
19	15MQ1A0428		ANGATI MOHAN KUMAR		

20	15MQ1A0425	A9	VEERANKI NAGA RAMYASWI	A Robust Watermarking Scheme to JPEG Compression for Embedding a Color Watermark into Digital Images.	K. SATEESH KUMAR
21	15MQ1A0445		ADDEPALLI CHITRA RAMA SAI N L SHAKUNTALA		
22	15MQ1A0403		BRUGUMALLA LAKSHMI NARMADA		
23	14MQ1A0490		PARESE AVINASH		
24	16MQ5A0407	A10	METLA NAGA JYOTHI	Fingerprint Based e-Voting System using Aadhar Database	K.SURENDHRA
25	15MQ1A0411		KURAPATI DEVI PRIYANKA		
26	16MQ5A0422		PARISE KRISHNA VENI		
27	15MQ1A0434		JONNALAGADDA SIVAKESAVA		

IV-II Project Batches for Section B

S.No	Roll.No	Batch	Student Name	Title	Guide name
1	15MQ1A0482	B1	AMBATI PAVAN KUMAR	Waste Management System Using GSM	G.S.V.N.V. BABU
2	15MQ1A0402		BOGGAVARAPU HEMA SRI LAKSHMI		
3	15MQ1A0467		NALAM BALA BHARGAVI		
4	15MQ1A0404	B2	CHINTHADA KAVYA SRI	Designing of second order SIGMA – DELTA Modulator	K.P.R.R.RAJU
5	15MQ1A0471		PURVAJA MEHER ANAGHA GUDIVADA		
6	16MQ5A0408		BATHINA NAGA SUDHEER		
7	16MQ5A0425		PALLEM VISHNU VARDHAN		
8	15MQ1A0408	B3	KARUMURI ROHINI	Performance Approach of AODV, DSR and DSDV Protocols IEEE 802.15.4 for Vehicular Networks using NS2	Dr. S. KOTESWARA RAO
9	16MQ5A0429		VEMULA.SAI KUMAR		
10	15MQ1A0439		MOHAMMAD RAHAMATULLAH		
11	15MQ1A0430		BOPPANA RAGHUNADH		
12	15MQ1A0457	B6	KANTETI BALA VYSHNAVI	Electronic payment of user fees at the Toll Plazas	A.CHANDRA SURESH
13	15MQ1A0449		CHILAMKURTHY LAKSHMI THANUJA		
14	15MQ1A0491		PAPINENI ROHITH NAGA VENKATA SAI SANTOSH		
15	16MQ5A0426		PAMARTHI RAMKRISHNA		
16	15MQ1A0424	B8	TAMMANA NAGA VENKATA SWATHI	Performance Evaluation of PEGASIS and LEACH Hierarchical Routing Protocols in Wireless Sensor Networks	K SWARAJYA LAKSHMI
17	16MQ5A0428		PUPPALA AJAY		
18	16MQ5A0406		JANYAVULA KATYAYINI		
19	16MQ5A0416		MATTA. SWAMY		

20	15MQ1A0435	B9	KOLLALA SRINIVASA RAO	Designing of Two Stage CMOS OP-AMP in 50 nm CMOS using LTSPICE	K.P.R.R.RAJU
21	15MQ1A0465		MARY PRATHYUSHA KARE		
22	16MQ5A0415		MANEPALLI NAGA VAMSI		
23	16MQ5A0414		KOSANAM SRI SI RAMA KRISHNA		
24	15MQ1A0417	B10	NALLA VIJAYA LALITHA KUMARI	Public Addressing System	A.CHANDRA SURESH
25	15MQ1A0446		APPIKATLA RAMYA USHA		
26	15MQ1A0463		KURAPATI LAKSHMI VENKATA SUCHARITHA		
27	16MQ5A0419		ALAPATI BHARGAVI NAGA VENKATA DIVYA		

- The finalized topic abstract will be submitted to project coordinator.
- Head of the department will form the review committee with four members. They are HOD, project coordinator (one of the senior faculty members in the department), senior faculty members and guide.

The following faculty members are constituted as Project Review Committee Members for IV B.Tech. II Sem. ECE students for the Academic year 2018-19

1. Dr. M. Srinivasulu (HOD)
2. Dr. S. KoteswaraRao (Project Coordinator)
3. Prof. G.S.V.N.V.Babu (Senior Faculty Member- 1)
4. A. Chandra Suresh (Senior Faculty Member- 2)
5. Guide

Following is the list of project review dates for internal project evaluation after consultation with HOD and same will be displayed on notice board.

S.No.	No. of Project Reviews	Date of Review	Class/Section	Remarks
1	**Review 0**	22-12-2018	IV-A	Project Title Approval
		23-12-2018	IV-B	
2	**Review 1**	04-02-2019	IV-A	Project Plan, Progress of Work, Next Review Target
		05-02-2019	IV-B	
3	**Review 2**	25-02-2019	IV-A	Progress of Work, Verification of Results
		26-02-2019	IV-B	
4	**Review 3**	18-03-2019	IV-A	Project Book Rough Copy Submission with publication and display the Results (Prototype, if any)
		19-03-2019	IV-B	

Monitoring & Evaluation of Project:

- Review 0 will be conducted by the review committee members to finalize the project topic.
- The finalized student topics along with their guide name will be displayed on notice board.

Project PO Mapping Justification:

Project Title: **CONTENT BASED IMAGE RETRIEVAL**
Guide(s): A. RAVI SHANKAR
Student Name(s):

K.HEMA KUMARI	14MQ1A0470
B.POORNIMA	14MQ1A0460
A.MOUNIKA	14MQ1A0458
K. VEDA SRI	14MQ1A0471
SK. KARIMUNNISA	14MQ1A0480

Academic Year: 2017-18

Name of Course from which Principles are applied in this project	Related Course Outcome Number	Description of the application	Attained PO
Main Project	C426.1	Write an abstract and explaining the requirements, design, implementation and testing strategies	PO1
Digital Image Processing	C413.1	Study the introduction about Digital Image Processing and identify the problem definition and objectives	PO2
DSP LAB	C328.2	Prepare the software requirement (MATLAB with image Processing toolbox)	PO3, PO5
Main Project	C426.3	Identify the time and cost required to develop the project	PO11
Main Project	C426.2	Collect the related document for Matlab software & Image processing by referring various journals, books and web references.	PO12
Digital Image Processing	C413.1	Design the block diagram of Content Based Image Retrieval System.	PO3
Main Project	C426.4	Develop the project code in a collective manner by applying their knowledge and should not copy from others.	PO8
DSP LAB	C328.2	Test their projects using Black box testing techniques in Matlab software.	PO3, PO5
Main Project	C426.5	Write the summary of the project.	PO10
Main Project	C426.5	Describe the advantages and usefulness of the project in Real time applications.	PO6
Main Project	C426.6	Demonstrate the project individual and	PO9

		in a group.	

- Students will meet their guide and discuss the project progress.
- The Review committee members will assess the students and give suggestions if required.
- The Review committee members will evaluate the project based on student presentation and viva-voce (40M)
- After final review, the project coordinator will average the marks of three reviews and same will be displayed on the notice board.(40M)
- The project coordinator will display the total marks (60M) after considering guide marks for day to day performance (20M) and average marks of review committee (40M) and same will be displayed on the notice board.

Project Assessment, Project outcomes:

- The project coordinator will send a notice to submit the final project copy along with CD.
- The external evaluation schedule will be displayed on the notice board after receiving a letter from the JNTUK.
- Students will be encouraged to publish a paper in the journal or conference and the list will be displayed on the notice board.
- Project expo will be conducted and prizes will be awarded.
- Best projects are identified based on external examiner feedback, awards won and paper publication and the list will be displayed on the notice board.
- Each faculty performs the project assessments based on the Outcomes attained from the project and the academic performance. A sample assessment for project "IoT applications on secure smart shopping system" is shown below:

Assessment Parameter with weight age	**Actual attainment**	**Attainment with weightage**
Academic performance (60% Weight age)	2.70	1.62
Project Outcomes (Prizes/Prototypes/Publications/Best project) (40%)	1	0.4
Overall Attainment		**2.02**

PO/PSO attainment from the project:

BATCH	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	2.02	2.02	2.02	1.35	2.02	1.57	1.35	1.35	1.35	1.68	1.35	1.35	1.35	2.02

Best Project Evaluation scheme

- Innovations and creativity of the project
- Review of literature and related studies about the project.
- Implementation strategies.
- Listening to and answering question

The following table shows a sample of best projects:
A.Y2017-18:

S.No	Batch	Roll No	Title of the Project	Name of the Guide	PO
1	A-3	15MQ5A0405 14MQ1A0415 15MQ5A0406 14MQ1A0422 14MQ1A0403	An Autonomous Stair-Climbing Wheel Chair	A.RAVI SHANKAR	PO:1,2,3,5,6,7,8, 9,10,11,12 PSO: 1,2,3
2	A-5	14MQ1A0420 14MQ1A0437 14MQ1A0409 14MQ1A0401 14MQ1A0424	IOT based Smart Home Security System with Alert and Door Access Control using Smart Phone	K.P.R.RATNA RAJU	PO:1,2,3,5,6,7,8 ,9,10,11,12 PSO: 1,2,3
3	A-12	15MQ5A0401 14MQ1A0439 14MQ1A0433 15MQ5A0403	Eye ball and Head Motion Controlled Wheel Chair Automation System for Disabled	D.V.SRIDHAR	PO:1,2,3,5,6,7,8 ,9,10,11,12 PSO: 1,2,3

A.Y 2016-17

S.No	Batch	Roll No	Title of the Project	Name of the Guide	PO
1	A6	13MQ1A0424 13MQ1A0441 14MQ5A0401 13MQ1A0434 14MQ5A0402	IOT Based patient health monitoring system	B PHANINDRA KUMAR	PO:1,2,3,5,6,7,8,9,10,11,12 PSO: 1,2,3

2	A3	13MQ1A0402 13MQ1A0439 13MQ1A0442 13MQ1A0421 13MQ1A0431	Automation of dust collection to support "Swachh Bharat Abhiyaan" using IOT	P RAMA KOTESWARA RAO	PO:1,2,3,5,6,8,9,10,11,12 PSO: 1,2,3
3	A12	13MQ1A0413 13MQ1A0414 13MQ1A0417 13MQ1A0406	Solar Based E-Uniform for soldiers by using GSM & GPS	A RAVI SHANKAR	PO:1,2,3,5,6,8,9,10,11,12 PSO: 1,2,3

Project Expo:
Students participated in project expo:

Project Outcomes – prototypes, publications, Awards:

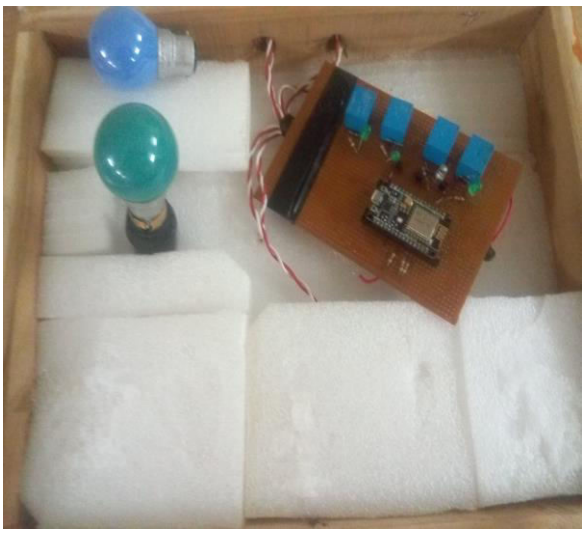
S.No	Roll.No	Name Of The Guide	Title of the Project
1	15MQ5A0415 14MQ1A0479 14MQ1A0466 14MQ1A0463 14MQ1A0459	A.Chandra Suresh	Mine Detection and Debris Clearance Robot
2	14MQ1A0453 14MQ1A0469 14MQ1A0440 14MQ1A0456 14MQ1A0413	A. Chandra Suresh	Lawn Cutter
3	14MQ1A0422 15MQ5A0406 14MQ1A0440 15MQ1A0449	A.Chandra Suresh	Agriculture Robot

4	14MQ1A0422 15MQ5A0406 14MQ1A0440 15MQ1A0449	A.Chandra Suresh	Mosquito Repeller
5	15MQ5A0418 15MQ5A0433 15MQ5A0421 15MQ5A0431 15MQ5A0430 15MQ5A0434	P.Annapurna	Home Automation Using Facebook Chat

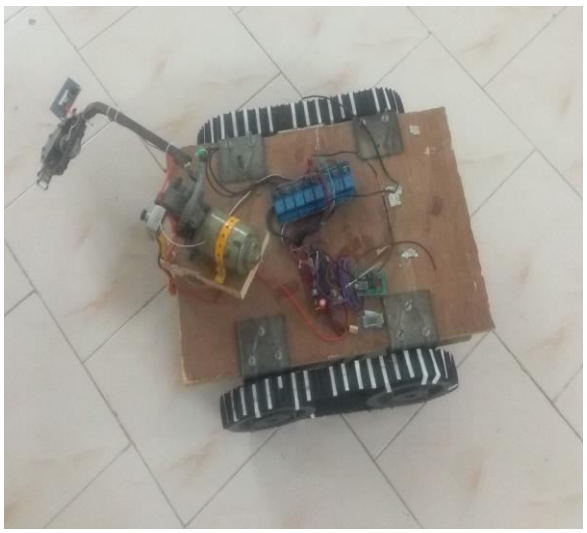
Few Proto types for the projects

Lawn Cutter

Agriculture Robot



Home Automation Using Facebook Chat



Mine Detection and Debris Clearance Robot

2.2.4.Initiativesrelatedtoindustryinteraction(15)

(Give details of the industry involvement in the program such as industry-attached laboratories, partial delivery of appropriate courses by industry experts etc. Mention the initiatives, implementation details and impact analysis)

Our institution has the Memorandum of Understanding (MOU) with the following organizations to provide the industrial awareness to the students. These organizations will also provide training Workshops, Internships, to the students.

S.No.	Name of the Organization	MOU with Institution / Department	From	To
1	Smart Bridge Educational Services Pvt Ltd., Hyderabad.	Institution	21/12/2015	19/12/2019
2	Purple Techno Solutions, Vijayawada	Institution	August 2017	December 2020

Partial delivery of appropriate courses by industry experts:

S.No	Resource person	Topic	Course Name	Date/ Duration	PO/PSO
1	K. SaiChandu Vlsi Design Engineer LeadsocPvt.Ltd (Bangalore)	VLSI	Invited talk	26/2/18	PO: 5,10,12 PSO2
2	Ch.Prathyusha Assistant Engineer Ivtl Info View Pvt.Ltd. Technologies, Chennai	Current scenario in software Industry & opportunities	Invited talk	19/03/18	PO: 5,10,12
3	SatishDhawan Space Centre, Sriharikota		Industry Visit	21/1/18	PO:4,6,7,9,10,12

2.2.5.Initiativesrelatedtoindustryinternship/summertraining(15)

(Mentiontheinitiatives,implementationdetailsandimpactanalysis)

The following table shows total how many students are taking internships in various organizations in the year 2017-18

S.No	Organization	No. of Students attended	Duration(hrs)	PO
1	Bharat Electronics Limited, Machilipatnam	25	30	PO2

2	S C R Women's Welfare Organization, Vijayawada	9	31	PO6
3	BSNL, Vijayawada	2	27	PO4,PO5
4	BSNL, ELURU	1	7	PO4,PO5
5	BHEL, Hyderabad	1	15	PO4
6	Vizag Steel Plant, Vizag	5	25	PO4

List of students attended for Internship for the year 2017-18:

S.No	Roll.No	Student Name	Organization	Dates
1	15MQ1A0416	M. LAKSHMI PRASANNA	BEL Machilipatnam	02-05-2018 to 30-05-2018
2	15MQ1A0423	RAHILA BEGUM		02-05-2018 to 30-05-2018
3	15MQ1A0434	JONNALAGADDA SIVA KESAVA		04-05-2018 to 09-06-2018
4	15MQ1A0435	KOLLALA SRINIVASA RAO		02-05-2018 to 09-06-2018
5	15MQ1A0444	ABDUL SHAHEEN		05-06-2018 to 21-06-2018
6	15MQ1A0446	APPIKATLA RAMYA USHA		05-06-2018 to 21-06-2018
7	15MQ1A0448	BOGGAVARAPU SRI SAI SNEHITHA		20-04-2018 to 19-05-2018
8	15MQ1A0449	CHILAMKURTHY LAKSHMI THANUJA		14-05-2018 to 13-06-2018
9	15MQ1A0457	KANTETI BALA VYSHNAVI		10-05-2018 to 10-06-2018
10	15MQ1A0472	PUVVADA TANUJA		19-04-2018 to 18-05-2018
11	15MQ1A0476	TALARI PRATYUSHA		19-04-2018 to 18-05-2018
12	15MQ1A0489	MOHAMMAD AMEERBASHA		10-05-2018 to 09-06-2018
13	16MQ5A0402	DOKKU ANURADHA		14-05-2018 to 13-06-2018
14	16MQ5A0406	JANYAVULA KATYAYINI		24-04-2018 to 08-05-2018
15	16MQ5A0407	METLA NAGA JYOTHI		10-05-2018 to 30-05-2018
16	16MQ5A0408	BATHINA NAGA SUDHEER		02-05-2018 to 09-06-2018
17	16MQ5A0415	MANEPALLI NAGA VAMSI		02-05-2018 to 09-06-2018
18	16MQ5A0419	A.BHARGAVI NAGA VENKATA DIVYA		19-04-2018 to 18-05-2018
19	15MQ1A0470	POKKUNURI LAKSHMI PRATHYUSHA		15-04-2018 to 10-06-2018
20	15MQ1A0475	SUDANI DHANA LAKSHMI		26-04-2018 to 10-06-2018
21	16MQ1A0404	B.N.SULOCHANA		22-04-2018 to 10-06-2018

22	16MQ1A0415	G.SHANMUKHI		22-04-2018 to 10-06-2018
23	16MQ1A0417	G.DURGA SRIVANI		22-04-2018 to 10-06-2018
24	15MQ1A0401	A.MANEESHA RANI		02-05-2018 to 30-05-2018
25	15MQ1A0411	KURAPATI DEVI PRIYANKA		10-05-2018 to 09-06-2018
26	15MQ1A0426	YEDIDA KEERTHANA	S C R Women's Welfare Organization, Vijayawada	26-04-2018 to 26-05-2018
27	15MQ1A0447	BATTINA SUPRITHA		26-04-2018 to 26-05-2018
28	15MQ1A0458	KARUMURI DIVYA NAGAPRIYANKA		26-04-2018 to 26-05-2018
29	15MQ1A0459	KATAKAM MOUNIKA		26-04-2018 to 26-05-2018
30	16MQ5A0420	DIVISETTI KAVYA SRI		26-04-2018 to 26-05-2018
31	16MQ5A0422	PARISE KRISHNAVENI		26-04-2018 to 26-05-2018
32	15MQ1A0447	BATTINA SUPRITHA		26-04-2018 to 26-05-2018
33	15MQ1A0468	PARUCHURI MEGHANA CHOWDARI		26-04-2018 to 26-05-2018
34	15MQ1A0477	THIKISETTI SAMBHAVI		26-04-2018 to 26-05-2018
35	16MQ5A0405	JAGABATTULA POORNIMA USHA DEVI	BSNL, Vijayawada	14-05-2018 to 09-06-2018
36	15MQ1A0438	M V N S KRISHNA CHARAN		14-05-2018 to 09-06-2018
37	15MQ1A0491	P R NAGA VENKATA SAI SANTOSH	BSNL, ELURU	11-06-2018 to 17-06-2018
38	15MQ1A0493	YATAM SAI KRISHNA	BHEL, Hyderabad	04-06-2018 to 18-06-2018
39	15MQ1A0473	RAAVI SRAVYA	Vizag Steel Plant, Vizag	23-04-2018 to 12-05-2018
40	15MQ1A0466	MOHAMMAD SHABANA		21-05-2018 to 09-06-2018
41	15MQ1A0456	GUNUPURU VYSHNAVI		26-04-2018 to 26-05-2018
42	15MQ1A0466	MOHAMMAD SHABANA		26-04-2018 to 26-05-2018
43	15MQ1A0473	RAAVI SRAVYA		26-04-2018 to 26-05-2018

- Faculty coordinator and the student coordinators will prepare a report after completion of the visit by considering the knowledge, experience and feedback for the improvements.

Sample Copy of Feedback forms from students and Employer during Industrial Visit:

FEEDBACK REPORT ON INDUSTRIAL VISIT

CLASS: SEMESTER : ODD/ EVEN A. Y:

Name and Address of Industry Visited:

Date: _____ Duration: _____

Beneficiary Dept : Year/Semester:

Total No. of Students: _____

Industrial Visit organized by:

Name of Industrial Visit in-charge and other Faculty who accompanied the students:

Contact Person at Industry:

Visit related to the subject:

During visit the students were taken to following Departments in the Industry

Names of Student who offered feedback (Feedback enclosed)

1.
2.
3.

Sign of Industrial Visit in- charge

Encl: Please Enclose the Letter received from the Industry
Attach if any Photograph has been taken during Visit

FEEDBACK FROM EMPLOYER/INDUSTRY

a) Name of the Organization:

b) Name of the Officer and Designation:

c) Name of the Employee :

d) Please provide your comments on the following:

1. Performance of the staff	☐ Excellent	☐ Good	☐ Average	☐ Fair
2. Technical Skills	☐ Excellent	☐ Good	☐ Average	☐ Fair
3. Attitude	☐ Excellent	☐ Good	☐ Average	☐ Fair
4. Interpersonal Skills	☐ Excellent	☐ Good	☐ Average	☐ Fair
5. Passion for Growth	☐ Excellent	☐ Good	☐ Average	☐ Fair

e) Would you like to consider our students for future employment: Yes/No.

f) What are your advices for further improvements on our candidates?

Date: Signature.

Industry Visit to SHAR and Efftronics during 2017-18:

SHAR, Sriharikota

SHAR, Sriharikota

Efftronics, Vijayawada

SHAR, Sriharikota

CRITERION 3	Course Outcomes and Program Outcomes	120

3. COURSE OUTCOMES AND PROGRAM OUTCOMES (120)

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

(Program Outcomes as mentioned in Annexure I and Program Specific Outcomes as defined by the Program)

PROGRAM OUTCOME:

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, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. **DESIGN/DEVELOPMENT OF SOLUTIONS**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. **CONDUCT INVESTIGATIONS OF COMPLEX PROBLEMS**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. **MODERN TOOL USAGE**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6. **THE ENGINEER AND SOCIETY**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. **ENVIRONMENT AND SUSTAINABILITY**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. **ETHICS**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. **INDIVIDUAL AND TEAM WORK**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. **COMMUNICATION**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, give and receive clear instructions.

11. **PROJECT MANAGEMENT AND FINANCE**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. **LIFE-LONG LEARNING**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES:

PSO1: Able to apply concepts, design, and implement complex systems related to Analog & Digital Circuits, Communications, and Signal Processing.

PSO2: Aware of contemporary knowledge and apply techniques in VLSI, and Micro Processors & Micro Controllers.

PSO3: Able to identify problems in the society and solve by designing projects.

PSO4: Able to improve personality development life skills and make them to be industry ready

3.1.1. Course Outcomes (COs) (SAR should include course outcomes of one course from each semester of study, however, should be prepared for all courses and made available as evidence, if asked) (05)

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

Course Name: Network Analysis(C214) Year of study: 2017-18		
C214.1	Analyze AC & DC RLC circuits.	Analyze
C214.2	Analyze sinusoidal steady state RLC circuits.	Analyze
C214.3	Analyze coupled and tuned circuits.	Analyze
C214.4	Analyze and Apply circuit theorems to AC & DC circuits.	Analyze
C214.5	Calculate two port network parameters of linear circuits.	Analyze
C214.6	Analyze transient and steady state analysis of first order and second order circuits.	Analyze

Course Name: Control Systems (C222) Year of study: 2017-18		
C222.1	Obtain mathematical models of electrical and mechanical systems.	Apply
C222.2	Design control systems in the time domain	Evaluate
C222.3	Interpret stability of control systems and design by using root locus technique.	Analyze
C222.4	Obtain relative stability of a system in frequency domain.	Apply
C222.5	Realize compensator circuits in control systems	Analyze
C222.6	Analyze the dynamic behavior of control systems using state space model.	Analyze
Course Name: Linear IC Applications (C312) Year of study: 2017-18		
C312.1	Identify different configurations of op-amp analyze the parameters of op-amp and observe the frequency response of operational amplifier	Analyze
C312.2	Understand non ideal characteristics of operational amplifier parameters.	Understand
C312.3	Demonstrate linear and non applications of operational amplifiers	Apply
C312.4	Select active filter, multipliers and modulators according to the required application	Apply
C312.5	Implement various applications of special function Op-Amp ICs such as 555 IC and analog multiplier, PLL.	Analyze
C312.6	Demonstrate and compare the performance of various types of ADC and DAC using Op-Amp	Apply
Course Name: Microprocessors and Microcontrollers(C321) Year of study: 2017-18		
C321.1	Describe the basics of 8086 microprocessors architectures and its Functionalities.	Understand
C321.2	Design and develop 8086 Microprocessor based systems for real time applications using low level language like ALP	Analyze

C321.3	Interface external peripherals and I/O devices and program the 8086 microprocessor	Apply
C321.4	Describe the basics of 80386 and 80486 microprocessors architectures and its Functionalities.	Understand
C321.5	Describe the basics of 8051 microcontrollers architectures and its functionalities.	Analyze
C321.6	Describe the basics of PIC microcontrollers architectures and its functionalities.	Apply
Course Name: VLSI Design(C411) Year of study: 2017-18		
C411.1	Demonstrate the Fabrication of IC and Calculate compute electrical properties of MOS Circuits.	Apply
C411.2	Design various gates, adders, Multipliers and Memories using stick diagrams, Layouts and apply design rules to get Layout of IC	Create
C411.3	Design the digital circuits by applying the basic circuit concepts such as sheet resistance, delay, area of capacitance.	Create
C411.4	Design the Subsystems with CMOS Technology for various static CMOS Combinational and Sequential logic circuits at the transistor level including mask layout	Create
C411.5	Design the digital circuits by using the techniques of ASIC and FPGA design flow.	Create
C411.6	Demonstrate VHDL synthesis, simulation, design captures tools, design verification tools and build a Boolean function using FPGA IC	Create
Course Name: Wireless Sensors and Networks(C424) Year of study: 2017-18		
C424.1	Examine the importance of Wireless Sensor Networks and the Architecture details	Apply
C424.2	Apply & Integrate the Sensor nodes by using various networking technologies and topologies.	Apply
C424.3	Apply and Evaluate the different MAC Protocols for Wireless Sensor Networks.	Evaluate
C424.4	Analyze &Evaluate different Routing Protocols for Wireless Sensor Networks	Evaluate
C424.5	Analyze &Evaluate the different Transport and Security Protocols for Wireless Sensor Networks	Evaluate

C424.6	Examine and recommend the different Security concepts, network platforms and tools in different applications for Wireless Sensor Networks	Evaluate

Table – 3.1.1

C214 is the second course in second year and '.1' to '.6' are the outcomes of this course.

3.1.2. CO-PO matrices of courses selected in 3.1.1 (six matrices to be mentioned; one per semester from 3rd to 8th semester) (05)

Course Name: Network Analysis (C214) Year of study: 2017-18																
CO/ PO	**PO 1**	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**	**PSO4**
C214.1	3	2	-	-	-	-	-	-	-	-	-	-	3	-	-	-
C214.2	3	2	-	-	-	-	-	-	-	-	-	-	3	-	-	-
C214.3	2	3	-	-	-	-	-	-	-	-	-	-	3	-	-	-
C214.4	3	2	2	-	-	-	-	-	-	-	-	-	3	-	-	-
C214.5	2	3	-	-	-	-	-	-	-	-	-	-	3	-	-	-
C214.6	2	3	-	-	-	-	-	-	-	-	-	-	3	-	-	-
C214	2.5	2.5	2	-	-	-	-	-	-	-	-	-	3	-	-	-
C214	2.33												3			

Table 3.1.2

Course Name: Control Systems (C222) Year of study: 2017-18																
CO/ PO	**PO 1**	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**	**PSO4**
C222.1	2	3	-	-	-	-	-	-	-	-	-	-	3	-	-	-
C222.2	3	2	2	-	-	-	-	-	-	-	-	-	3	-	-	-
C222.3	2	3	2	-	-	-	-	-	-	-	-	-	3	-	-	-
C222.4	2	3	2	-	-	-	-	-	-	-	-	-	3	-	-	-
C222.5	2	-	3	-	-	-	-	-	-	-	-	-	3	-	-	-
C222.6	2	2	3	-	-	-	-	-	-	-	-	2	3	-	-	-
C22	2.1	2.6	2.4	-	-	-	-	-	-	-	-	2	3	-	-	-

4	6															
C224	2.29												3			

Course Name: Linear IC Applications (C312) **Year of study: 2017-18**																
CO/ PO	**PO 1**	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**	**PSO4**
C312.1	3	2	-	-	-	-	-	-	-	-	-	2	3	-	-	-
C312.2	3	2	-	-	-	-	-	-	-	-	-	-	3	-	-	-
C312.3	3	3	2	-	-	-	-	-	-	-	-	-	3	-	-	-
C312.4	3	2	-	-	-	-	-	-	-	-	-	-	3	-	-	-
C312.5	3	3	2	-	-	-	-	-	-	-	-	2	3	-	-	-
C312.6	3	2	2	-	-	-	-	-	-	-	-	2	3	-	-	-
C312	3	2.33	2	-	-	-	-	-	-	-	-	2	3	-	-	-
C312	2.33												3			

Course Name: Microprocessors and Microcontrollers(C321) **Year of study: 2017-18**																
CO/ PO	**PO 1**	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**	**PSO4**
C321.1	2	2	-	-	3	-	-	-	-	-	2	2	--	-	--	-
C321.2	2	3	-	-	2	-	-	-	-	-	2	2	3	2	--	-
C321.3	2	-	3	2	2	-	-	-	-	-	-	2	3	3	2	-
C321.4	2	2	-	-	3	-	-	-	-	-	2	2	---	--	--	-
C321.5	2	2	-	-	2	-	-	-	-	-	2	3	2	3	3	-
C321.6	2	2	3	2	-	-	-	-	-	-	-	2	3	2	2	-
C321	2	2.2	3	2	2.4	-	-	-	-	-	2	2.16	2.75	2.5	2.33	-
C32	2.25												2.53			

1		

Course Name: VLSI Design(C411)												Year of study: 2017-18			
CO/ PO	**PO 1**	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**	**PSO4**
C411.1	2	2	2	-	-	-	-	-	-	-	-	2	2	2	1	-
C411.2	2	-	2	-	2	-	-	-	-	-	-	-	3	3	2	-
C411.3	2	3	2	-	-	-	-	-	-	-	-	2	2	3	1	-
C411.4	2	-		-	3	-	-	-	-	-	-	2	3	2	2	-
C411.5	3	2	-	-		-	-	-	-	-	-	-	3	3	2	-
C411.6	2	-	-	-	2	-	-	-	-	-	-	2	2	3	3	-
C411	2.16	2.33	2	-	2.33	-	-	-	-	-	-	2	2.5	2.67	1.83	-
C411	2.164												2.33			

Course Name: Wireless Sensors and Networks(C424)												Year of study: 2017-18			
CO/ PO	**PO 1**	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**	**PSO4**
C424.1	2	2	-	-	-	-	-	-	-	-	-	-	1	3	1	-
C424.2	2	2	-	-	-	-	-	-	-	-	-	-	2	3	3	-
C424.3	2	2	2	-	3	-	-	-	-	-	-	2	2	3	3	-
C424.4	2	2	2	-	3	-	-	-	-	-	-	2	2	3	3	-
C424.5	2	-	2	-	3	-	-	-	-	-	-	2	2	3	3	-
C424.6	2	2	3	-	3	-	-	-	-	-	-	2	2	3	3	-
C424	2	2	2.25	-	3	-	-	-	-	-	-	2	1.83	3	2.67	-
C424	2.25												2.5			

Note:

1. Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

It there is no correlation, put "-"

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

Course	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3	PSO 4
C111	1.16	-	2	-	-	2	2	2	2	3	-	2	-	-	-	-
C112	3	2	-	-	2	-	-	-	-	-	-	2	-	-	-	-
C113	3	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-
C114	2.66	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
C115	2.16	2	2	-	2	-	-	-	-	-	-	1.5	-	-	-	-
C116	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C117	-	-	-	-	-	-	2	2	2	2	-	2	-	-	-	-
C118	2	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-
C119	2.6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11A	2	-	1.83	-	-	-	-	-	1.67	-	-	1.67	-	-	-	-
	1.66	2.33	2.83	-	-	-	-	-	-	-	-	-	-	-	-	-
C121	1.25	1	2	-	2	2	2	1	2	2.5	-	2	-	-	-	-
C122	3	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-
C123	1	2	2	-	-	2	2.5	-	-	-	-	-	-	-	-	-
C124	3	2	1.5	2	-	-	-	-	-	-	-	-	-	-	-	-
C125	1	-	1	-	-	2	2.5	-	2	-	-	-	-	-	-	-
C126	2	2	3	3	-	-	-	-	-	2	3	2	-	-	-	-
C127	2	2	-	-	-	3	3	-	-	-	-	-	-	-	-	-
C128	1	1	1	-	2	1	2	2	-	2	-	2	-	-	-	-
C129	3	3	3	-	2	-	-	-	-	-	-	-	-	-	-	-
C211	2.66	2.4	2	-	2	-	-	-	-	-	-	2	3	-	-	-
C212	2.33	3	2.33	-	3	-	-	-	-	-	-	-	3	1	-	-
C213	2	2	1	-	-	-	-	-	-	-	-	-	3	-	2	-
C214	2.5	2.5	2	-	2	-	-	-	-	-	-	-	3	-	-	-
C215	2	3	-	-	2	-	-	-	-	-	-	2	3	-	2.5	-
C216	2	1	-	-	2	-	-	-	-	-	-	3	-	-	-	3
C217	1.67	-	3	-	-	-	-	-	-	-	-	2	3	-	2	-

C218	3	-	2	2.33	-	-	-	-	2.2	1	-	-	-	-	-	-
C221	2	3	2	-	2.66	-	-	-	-	-	-	2	3	-	-	-
C222	2.17	2	2.4	-	2	-	-	-	-	-	-	2	3	-	-	-
C223	2	3	2	-		-	-	-	-	-	-	2	3	-	2	-
C224	3	2	1	-	1	-	-	-	-	-	-	2	2.83	-	1.67	-
C225	2	2.16	3	-	3	-	-	-	-	-	-	2	3	3	2	-
C226	2	1	-	-	-	-	-	2	-	-	3	-	-	-	-	3.00
C227	2	2	2	-	3	-	-	-	3	-	-	2	3	-	2	-
C228	3	2	-	-	1	-	-	-	-	-	-	2	2.83	-	1.67	-
C311	2	2	1.75	-	2	-	-	-	-	-	-	2	3	-	2.17	-
C312	3	2.33	2	-	3	-	-	-	-	-	-	2	3	-	-	-
C313	3	1.6	1	-	3	2	2	-	-	-	-	2.3	-	2	-	-
C314	3	2.75	2	1	2.5	-	-	-	-	-	2	1.5	2	2	2	-
C315	2.66	2.6	3		2	-	-	-	-	-	-	2	2	-	-	2
C316	2.33	2.5	2.5	2	-	-	-	-	-	-	-	-	3	2	-	-
C317	2	2	2	-	3	-	-	-	3	-	-	2	3	-	1	-
C318	2.33	2	-	2	3	-	-	-	-	-	-	2.25	2	-	2	-
C319	2	1	-	-	2	-	-	3	-	-	-	-	-	-	-	3
C321	2	2.2	3	2	2.5	-	-	-	-	-	2	2.16	2.75	2.5	2.33	-
C322	2.17	2	2	2	2.5	-	-	-	-	-	-	2	2	-	2	-
C323	2.5	2	2	-	2.5	-	-	-	-	-	-	2	3	1.6	1	-
C324	2	2	2	2	-	-	-	-	-	-	-	2	2.83	-	1.83	-
C325	2.33	2.33	2.5	2.5	2.33	2.33	-	-	-	2	-	-	1.17	1	1.25	-
C326	1.83	-	2.17	-	2.17	-	-	-	-	-	-	2	1	3	3	-
C327	2	2	2	-	-	-	-	-	3	-	-	2	2	-	-	-
C328	2.33	2	-	2	3	-	-	-	-	-	-	2.25	2	-	2	-
C411	2.16	2.33	2	-	2.33	-	-	-	-	-	-	2.4	2.5	2.67	1.83	-
C412	2.66	1.8	-	-	3	-	-	-	-	-	-	3	3	-	2.17	-
C413	3	2.16	1.16	1	3	2	-	-	-	-	-	2	2	-	1.5	-
C414	2.17	2.2	2	2	2.5	2	-	-	-	-	-	2.67	1.5	2.83	-	-
C415	2.5	1.75	2	2	2	-	-	-	-	-	1	-	3	-	2.17	-
C416	2.6	2.2	2	2.5	2	-	-	-	-	-	-	1	-	-	-	-

C417	2.33	2	2.33	-	2.5	-	-	-	-	-	-	2.33	2	3	2	-
C418	2	2	2	2	-	-	-	-	-	2	-	2	-	-	-	-
C421	2	2	2.8	-	-	-	-	-	-	-	-	-	3	-	2.4	-
C422	3	2	2	2.33	-	-	-	-	-	-	-	2	3	-	2	-
C423	2.66	2.66	-	0.5	2.16	-	-	-	-	-	-	1.16	3	-	2	-
C424	2	2	2.25	-	3	-	-	-	-	-	-	2	3	-	2	
C425	2.60	2.46	2.51	2.04	2.85	2.07	2.08	1.99	2.37	2.38	2.2	2.18	1.93	2.72	2.59	2.00
Curriculum mapping	2.26	2.04	2.08	1.96	2.31	2.04	2.23	2.00	2.32	2.10	2.20	2.03	2.28	2.06	2.06	1.96
Count of Courses	62	59	47	19	44	11	9	7	10	9	6	44	39	13	29	5

Note:

1. Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

It there is no correlation, put "-"
It may be noted that the contents of Table 3.1.2 must be consistent with information available in Table 3.1.3 for all courses.

3.2. Attainment of Course Outcomes (50)

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

(Examples of data collection processes may include, but are not limited to, specific exam/tutorial questions, assignments, laboratory tests, project evaluation, student portfolios (A portfolio is a collection of artifacts that demonstrate skills, personal characteristics and accomplishments created by the student during study period), internally developed assessment exams, project presentations, oral exams etc.)

Each program follows the assessment manual consisting of direct and indirect attainment methods for assessing Theory courses, laboratories and projects.

Internally developed excel spread sheets are used for direct assessment. Feedback forms based on COs were framed for each class and the feedback was taken from students.

Theory Courses

Direct Attainment:

Tool used	Frequency of data collection	Responsible person	Assessment criterion	Rubric for Attainment Level	Weightage

Internal examinations	Twice per Semester	Examinations cell	Students scored > class average mark	1: <=50% students 2: 51-69% students 3: >=70% students	58.4%
Assignments	Once per semester	Course Coordinator	Students scored > class average mark	1: <=50% students 2: 51-69% students 3: >=70% students	11.6%
University Examinations	Once per semester	Examinations cell	Students scored > class average mark	1: <=50% students 2: 51-69% students 3: >=70% students	30%
				Total	100%

Indirect Attainment

Tool used	**Frequency of data collection**	**Responsible person**	**Assessment criterion**	**Rubric for Attainment Level**	**Weightage**
CO Feedback	End of semester	Assessment committee coordinator	Average of entire class for each CO	Class Average on the scale of 1-3	100%

*Overall course attainment = 0.8*Direct attainment+0.2*Indirect attainment*

Laboratories:

Direct method

Tool used	**Frequency of data collection**	**Responsible person**	**Assessment criterion**	**Rubric for Attainment Level**	**Weightage**
Internal Examination	Once in Semester	Lab Coordinator	Students scored > class average mark	1: <75% students 2: 75-90% students 3: >=90 students	13.3%
Day-to-day evaluation	During each lab session	Lab Coordinator	Students scored > class	1: <75% students 2: 75-90%	20%

			average mark	students 3: >=90 students	
University Examinations	Once in Semester	University appointed Examiner	Students scored > class average mark	1: <75% students 2: 75-90% students 3: >=90 students	66.7%

Indirect Method:

Tool used	Frequency of data collection	Responsible person	Assessment criterion	Rubric for Attainment Level	Weightage
Lab Feedback	End of semester	Assessment committee coordinator	Average of entire class for each CO	Class Average on the scale of 1-3	100%

*Overall course attainment = 0.8*Direct attainment+0.2*Indirect attainment*

Project Work:

Tool used	Frequency of data collection	Responsible person	Assessment criterion	Rubric for Attainment Level	Weightage
Internal Reviews	Three reviews per Semester	Project Review Committee	Students scored > class average mark	1: <80% students 2: 80-90% students 3: >=90 students	3*6.67=12%
Day-to-day evaluation	During project execution (Thrice in week)	Project Guide	Batch marks	1: <80% students 2: 80-90% students 3: >=90 students	6%
External Viva	Once in Semester	University appointed Examiner	Students scored > class average mark	1: <80% students 2: 80-90% students 3: >=90 students	42%

Project Outcomes	End of Semester	Project coordinator	Count	1: <=1 2: 2 3: >2	40%

Add on Courses - :

Tool used	Frequency of data collection	Responsible person	Assessment criterion	Rubric for Attainment Level	Weightage
T&PCG	I Semester & II Semester	T&P Coordinator	Students scored > class average mark	1: <51% students 2: 51-69% students 3: >=70% students	25%
SOFTSKILLS 1	I Semester	T&P Coordinator	Students scored > class average mark	1: <51% students 2: 51-69% students 3: >=70% students	25%
SOFTSKILLS 2	II Semester	T&P Coordinator	Students scored > class average mark	1: <51% students 2: 51-69% students 3: >=70% students	25%
Aptitude & Reasoning	Once in Semester	T&P Coordinator	Students scored > class average mark	1: <51% students 2: 51-69% students 3: >=70% students	25%

Internal Tests:
Implementation of Internal Assessment Test:

After the commencement of the semester the course coordinator conducts two internal tests as, per schedule given by JNTUK University The program coordinator will inform to the course coordinator to set the question papers as per university norms.

Two internal exams are conducted every semester for every course, namely Test1, Test2 and (T1, T2)

Exam Name	Units Covered	Cos Attainment Extracted
T1	1,2&3	CO1,CO2&CO3
T2	4,5&6	CO4,CO5&CO6

Laboratory:
Example:
Table 3.2.1Rubrics used for continuous evaluation in every lab session ..:

Parameters	Allotted Marks	Low	Medium	High
Record	5	Record was not submitted in the lab session	Record was submitted but incomplete	Complete Record was submitted
		0 Mark	12 Marks	35 Marks
Execution	3	Given experiment was not done/ executed in the lab session	Given experiment was done but necessary Output not shown in the lab session	Given experiment was done and also necessary Output was shown in the lab session
		0Mark	1Mark	3Marks
Viva-Voce	2	Student did not answer any viva voce question	Student answered only a few viva-voce questions	Student answered all the viva-voce questions
		0Mark	1Mark	2Marks

Example:
Table 3.2.2 Rubrics used for continuous Evaluation of lab internals ..:

Parameters	Allotted Marks	Low	Medium	High
Procedure write up	5	Student was not able to write procedure	Student was able to write the procedure but not able to show output	Student was able to write the procedure and also able to show output
		0 Mark	12 Marks	35 Marks
Execution	5	Student was not able conduct the experiment	Student was able to conduct the experiment but unable to get the output	Student was able to conduct the experiment and also able to get the output
		0Mark	12Marks	35Marks
Viva-Voce	5	Student did not answer any viva-voce question	Student answered only a few viva-voce questions	Student answered all the viva-voce questions
		0Mark	12Marks	35Marks

Seminar Work Evaluation:

Seminar coordinators follow rubrics which are set by the Department, coordinator or evaluation of seminar work and report prepared by the Students in VIII semester .Seminar coordinator conducts one seminar per student. It was evaluated by the seminar coordinator and marks were submitted to the university.

Project Work Evaluation:

During project work, the evaluation process was divided into number of phases to assess the Continuous progress (Minimum three phases). The project guides and project coordinator follows rubrics, which is set by the department for evaluation and then submit to the head of

department. Each internal guide saw the statement of project, literature of work and implementation details.

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

Program shall have set Course Outcome attainment levels for all courses. (The attainment levels shall be set considering average performance levels in the university examination or any higher value set as target for the assessment years. Attainment level is to be measured in terms of student performance in internal assessments with respect to the Course Outcomes of a course in addition to the performance in the University examination)

Measuring Course Outcomes attained through University Examinations

Target may be stated in terms of percentage of students getting more than the university average marks or more as selected by the Program in the final examination. For cases where the university does not provide useful indicators like average or median marks etc., the program may choose an attainment level on its own with justification.

Example related to attainment levels Vs. targets: (The examples indicated are for reference only. Program may appropriately define levels)

Attainment Level 1: ***<=50%*** *students scoring more than University average percentage marks or set attainment level in the final examination.*

Attainment Level 2: ***51% to 69%*** *students scoring more than University average percentage marks or set attainment level in the final examination.*

Attainment Level 3: ***70%*** *students scoring more than University average percentage marks or set attainment level in the final examination.*

- *Attainment is measured in terms of actual percentage of students getting set percentage of marks.*
- *If targets are achieved then all the course outcomes are attained for that year. Program is expected to set higher targets for the following years as a part of continuous improvement.*
- *If targets are not achieved the program should put in place an action plan to attain the target in subsequent years.*

Measuring CO attainment through Internal Assessments: (The examples indicated are for reference only. Program may appropriately define levels)

Target may be stated in terms of percentage of students getting more than class average marks or set by the program in each of the associated COs in the assessment

instruments (midterm tests, assignments, mini projects, reports and presentations etc. as mapped with the COs)

Example

Mid-term test 1 addresses C202.1 and C202.2. Out of the maximum 20 marks for this test 12 marks are associated with C202.1 and 8 marks are associated with C202.2.

Examples related to attainment levels Vs. targets:
Attainment Level 1: ***60%*** *students scoring more than 60% marks out of the relevant maximum marks.*
Attainment Level 2: ***70%*** *students scoring more than 60% marks out of the relevant maximum marks.*

Attainment Level 3: ***80%*** *students scoring more than 60% marks out of the relevant maximum marks.*

- *Attainment is measured in terms of actual percentage of students getting set percentage of marks.*

- *If targets are achieved then the C202.1 and C202.2 are attained for that year. Program is expected to set higher targets for the following years as a part of continuous improvement.*

- *If targets are not achieved the program should put in place an action plan to attain the target in subsequent years.*

Similar targets and achievement are to be stated for the other midterm tests/internal assessment instruments

Course Outcome Attainment:
For example:
Attainment through University Examination: Substantial i.e. 3
Attainment through Internal Assessment: Moderate i.e. 2
Assuming 80% weightage to University examination and 20% weightage to Internal assessment, the attainment calculations will be (80% of University level) + (20% of Internal level) i.e. 80% of 3 + 20% of 2 = 2.4 + 0.4 = 2.8

Note: Weightage of 80% to University exams is only an example. Programs may decide weightages appropriately for University exams and internal assessment with due justification.

Course Attainments
Section – A Theory Courses

COURSE NAME	COURSE CODE	CO1	CO2	CO3	CO4	CO5	CO6	Overall Course	Set Target	Attained (Y/N)
EDC	C211	2.05	2.05	2.05	1.88	2.17	2.17	2.06	1.99	N
STLD	C212	1.65	1.65	1.65	1.77	1.65	1.65	1.67	2.4	N
S&S	C213	2	2.07	2	2.13	2.3	2.1	2.10	1.49	N
NA	C214	1.9	1.9	1.9	2.4	2.2	2.2	2.08	2.0	Y
RVSP	C215	2.3	2.48	2.3	2.3	2.3	2.13	2.30	2.3	Y
MEFA	C216	2.23	2.47	2.23	1.77	2	2	2.12	1.62	Y
ECA	C221	2.3	2.3	2.3	2.3	2.48	2.48	2.36	2.1	Y
CS	C222	2.5	2.5	2.2	2.5	2	2.2	2.32	2.0	Y
EMWTL	C223	1.7	1.7	1.7	2.05	1.9	1.9	1.83	2.02	N
AC	C224	2	2	2	2.18	2.35	2.35	2.15	1.83	Y
PDC	C225	2.18	2	2.18	2	2	2	2.06	2.16	N
MS	C226	1.77	2	1.77	2	2	1.77	1.89	1.8	Y
PDC	C311	1.88	1.7	1.7	1.23	1.35	1.18	1.51	1.76	N
LICA	C312	2.7	2.52	2.7	1.65	2	2	2.26	2.16	Y
CS	C313	1.88	1.83	1.65	2.47	2.23	2.35	2.07	1.91	Y
DSD&DICA	C314	1.72	1.58	2	2.46	2.7	2.46	2.15	1.89	Y
AWP	C315	1.35	1.35	1.35	1.53	1.47	1.70	1.46	2.58	N
IPR	C319	2.18	2.18	2	1.53	2	1.53	1.9	1.8	Y
MP&MC	C321	2.35	2.44	2.35	1.83	2	2	2.16	2.01	Y
DSP	C322	2	1.65	1.65	1.65	1.65	1.83	1.74	1.9	N
DC	C323	1.98	1.7	1.7	2.05	1.93	1.88	1.87	1.98	N
MWE	C324	2.53	2.18	2	2.35	2	2.35	2.24	1.8	Y
BME	C325	2.23	2.08	2.08	1.93	2	2	2.05	2.06	N
VLSID	C411	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.01	Y
CN	C412	2.14	1.81	1.65	2.3	2.3	1.98	2.03	2.00	Y
DIP	C413	1.7	1.7	1.7	1.88	1.7	1.88	1.76	1.91	N
CAO	C414	2	2	1.58	2.18	2	1.83	1.93	1.98	N
RS	C415	1.7	1.53	1.53	2.23	1.88	2.05	1.82	1.62	Y
OC	C416	2.18	2.18	2.35	2.35	2.18	2.35	2.27	1.8	Y

CMC	C421	2	2.2	2	2	2.4	2	2.10	2.02	Y
EMI	C422	2.28	2.35	2.35	2.53	2.35	2.35	2.37	2.03	Y
SC	C423	1.83	1.83	1.83	1.65	1.65	1.65	1.74	1.65	Y
WSN	C424	2.23	2.18	2.35	2	2	1.83	2.10	2.02	Y

Course Attainments

Section - B

COURSE NAME	**COURSE CODE**	CO1	CO2	CO3	CO4	CO5	CO6	Overall Course	Set Target	Attained (Y/N)
EDC	C211	2.05	2.23	2.23	2.23	2.17	2.17	2.18	1.99	N
STLD	C212	1.53	1.48	1.48	2	1.65	1.83	1.66	2.4	N
S&S	C213	1.5	1.6	1.5	1.75	1.8	1.6	1.63	1.49	Y
NA	C214	2.2	2	2.2	2.5	2.5	2.5	2.32	2.0	Y
RVSP	C215	1.77	2	1.83	2.23	2.23	2.18	2.04	2.3	N
MEFA	C216	2.47	2.47	2.47	2	2.23	2.23	2.31	1.8	Y
ECA	C221	2.65	2.3	2.3	2.48	2.48	2.48	2.45	2.1	Y
CS	C222	2.65	2.83	2.53	2.72	2.65	3	2.73	2.0	Y
EMWTL	C223	2.2	2	2	2	2.2	2.2	2.10	2.02	Y
AC	C224	2.47	2.12	2.3	2.3	2.65	2.3	2.36	1.83	Y
PDC	C225	2.18	2	2	2.23	2.18	2	2.10	2.16	N
MS	C226	2	2	2.23	2	1.77	1.77	1.96	1.8	Y
PDC	C311	2.05	1.87	1.7	1.7	1.52	1.52	1.73	1.76	N
LICA	C312	2.14	2.7	2.53	1.3	1.48	1.65	1.97	2.16	N
CS	C313	2.18	2.00	2.18	2.47	2.23	1.83	2.15	1.91	Y
DSD&DICA	C314	2.17	1.82	1.82	2.23	2.23	2.23	2.08	1.89	Y
AWP	C315	1.35	1.70	1.70	1.70	1.98	1.52	1.66	2.58	N
IPR	C319	2.23	2.23	2.23	2	2.23	2.46	2.23	1.8	Y
MP&MC	C321	1.70	1.35	1.53	1.7	1.7	2.23	1.70	2.01	N
DSP	C322	1.83	1.83	1.65	1.65	2	2	1.83	1.9	N
DC	C323	2.14	1.83	2	2.35	2.47	2.18	2.16	1.98	Y
MWE	C324	2.35	2.17	2	2.35	2.17	2.17	2.20	1.8	Y
BME	C325	2.23	2.23	2.15	2.23	2.08	2.15	2.18	2.06	Y
VLSID	C411	2	2	2.18	2.35	2.18	2	2.12	2.01	Y
CN	C412	2.53	2.35	2.53	2	2.7	2.53	2.44	2.00	Y

DIP	C413	1.3	1.3	1.48	1.83	1.83	2	1.62	1.91	N
CAO	C414	2.18	2	2	2	2.18	2	2.06	1.98	N
RS	C415	1.35	1.53	1.53	1.7	1.7	1.88	1.62	1.62	Y
OC	C416	2.17	2.35	2.35	1.65	1.47	1.82	1.97	1.8	Y
CMC	C421	2	2.4	2	2.25	2	2	2.11	2.02	Y
EMI	C422	2.28	2.53	2.35	2.18	2.18	2.18	2.28	2.03	Y
SC	C423	2	1.65	2	2	2	2	1.94	1.65	Y
WSN	C424	2.05	2.23	2.23	2.23	2.17	2.17	2.18	2.02	Y

% OF STUDENTS attained Course Outcomes

Section – A Theory Courses:

COURSE NAME	COURSE CODE	CO1	CO2	CO3	CO4	CO5	CO6	Overall Course	University
EDC	C211	61	55	51	53	59	50	54.83	48
STLD	C212	36	37	37	47	31	33	36.83	65
S&S	C213	60	55	59	67	73	68	63.67	63.66
NA	C214	59	58	53	70	68	58	61.00	42
RVSP	C215	41	54	50	62	62	47	52.67	41
MEFA	C216	63	87	65	45	53	62	62.50	69
ECA	C221	55	51	47	55	63	54	54.17	78
CS	C222	81	89	60	81	49	59	69.83	66
EMWTL	C223	47	38	59	48	43	64.5	49.92	41
AC	C224	65	64	57	64.9	67.08	71.57	64.93	64
PDC	C225	56	41	60	52	68	62	56.50	54
MS	C226	35	52	40	67	53	47	49.00	59
PDC	C311	63.5	62	62.3	36	55.5	49	54.72	48
LICA	C312	75	77.5	87	55.5	74.5	75	74.08	57
CS	C313	58.5	66.5	67.5	83	75	90	73.42	52
DSD&DICA	C314	46	39	46	56	76	57	53.33	53
AWP	C315	56	61	63	53	56	54	57.17	49
IPR	C319	58	63	45	42	70	37	52.5	52
MP&MC	C321	74.1	70.55	73.19	54.5	66.4	69.81	68.09	68.09
DSP	C322	59	44	37	34	39	54	44.50	64
DC	C323	75.6	55.5	65	65.5	69	64.5	65.85	48

MWE	C324	77	65	61	66	53	67	64.83	58
BME	C325	89	66	61.5	56	69	65	67.75	52
VLSID	C411	61	60	62	52	56	62	58.83	52
CN	C412	81	63	46	73.7	78.9	60.8	67.23	47
DIP	C413	42	34	41	52	45	49	43.83	64
CAO	C414	60	66	49	60	49	46	55.00	52
RS	C415	60	54	51	75	60	64	60.67	48
OC	C416	70	67.5	83	69.5	59.5	62	68.58	52
CMC	C421	61	66	62	81	61	78	68.17	57
EMI	C422	68	61	66	75	70	65	67.50	57
SC	C423	39	34	42	32	41	41	38.17	63
WSN	C424	66	59	64	56	64	51	60.00	63

% OF STUDENTS attained Course Outcomes

Section – B Theory Courses:

COURSE NAME	**COURSE CODE**	CO1	CO2	CO3	CO4	CO5	CO6	Overall Course	University
EDC	C211	55	75	73	65	51	63	63.67	45
STLD	C212	42	40	34	57	45	39	42.83	59
S&S	C213	61	39	57	78	79	68	63.67	63.6
NA	C214	55	43	66	50	64	63	56.83	50
RVSP	C215	37	61	56	55	67	56	55.33	59
MEFA	C216	65	65	57	46	54	57	57.33	69
ECA	C221	70	46	53	60	61	60	58.33	71
CS	C222	72	87	64	66	60	71	70.00	70
EMWTL	C223	74.5	50.5	56.5	58	54	62	59.25	55
AC	C224	72	51	67	50	75	57	62.00	73
PDC	C225	59	42	47	52	67	55	53.67	55
MS	C226	43	46	53	58	36	50	47.67	69
PDC	C311	69	60	60	62	48	40	56.50	44
LICA	C312	65	82.5	70.5	46.5	57.5	64.5	64.42	52
CS	C313	70.5	69	60.5	70	58	68.5	66.08	57
DSD&DICA	C314	52	44	44	51	68	68	54.50	56
AWP	C315	46	55	60	63	79	55	59.67	48
IPR	C319	51	42	63	43	63	70	55.33	57

MP&MC	C321	60	43	52	52	49	80	56.00	49
DSP	C322	52	44	36	38	42	52	44.00	53
DC	C323	71.6	49.5	60	72	74	57	64.02	54
MWE	C324	72	61	56	56	55	53	58.83	52
BME	C325	90	77.5	68	64	48	40	64.58	55
VLSID	C411	67	59	62	66	62	53	61.50	60
CN	C412	89	76	77	47	72	71	72.00	55
DIP	C413	38	46	51	38	46	51	45.00	62
CAO	C414	62	50	54	58	59	56	56.50	55
RS	C415	59	58	60	66	54	69	61.00	50
OC	C416	70	73	76.5	58	44	63.5	64.17	55
CMC	C421	64	69	68	54	59	42	59.33	50
EMI	C422	58	54	54	66	69	65	61.00	52
SC	C423	57	36	64	53	45	52	51.17	63
WSN	C424	67	67	56	62	62	57	61.83	52

Direct Method:

Lab Courses: Section - A

COURSE NAME	**COURSE CODE**	CO1	CO2	CO3	CO4	CO5	CO6	Overall Course	Set Target	Attained (Y/N)
EDC Lab	C217	2.65	2.89	2.65	2.8	2.65	2.65	2.72	1.99	Yes
N&ET Lab	C218	2.07	2.07	2.07	2.07	2.07		2.07	1.71	Yes
ECA Lab	C227	2.13	2.44	2.2	2.2	2.3	2.3	2.26	2.09	Yes
AC Lab	C228	2.65	2.65	2.72	2.8	2.48	2.7	2.67	1.8	Yes
PDC Lab	C316	2.75	2.79	2.75	2.73	2.62	2.75	2.73	2.02	Yes
LICA Lab	C317	2.65	2.65	2.7	2.46	2.03	2.4	2.49	2.07	Yes
DSD&DICA Lab	C318	1.66	1.6	1.78	1.6	1.65	1.66	1.66	2.16	No
MP&MC Lab	C326		2.78	2.79		2.8		2.79	1.84	Yes
DC Lab	C327	2	2.16	2.14	2.21	2	2.21	2.12	2.83	Yes
DSP Lab	C328	1.72	1.79	1.79	1.8	1.75	1.95	1.8	1.98	No
VLSI Lab	C417	2.83	2.83	2.83	2.95	2.83	2.83	2.85	2.07	Yes
MWE Lab	C418	2.97	2.96	2.96	2.93	2.9	2.83	2.92	1.8	Yes

Lab Courses: Section - B

COURSE NAME	COURSE CODE	CO1	CO2	CO3	CO4	CO5	CO6	Overall Course	Set Target	Attained (Y/N)
EDC Lab	C217	2.65	2.89	2.65	2.8	2.65	2.65	2.72	1.99	Yes
N&ET Lab	C218	3	3	3	3	3	3	3	2.17	Yes
ECA Lab	C227	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.10	Yes
AC Lab	C228	2.44	2.48	2.65	2.7	2.65	2.7	2.6	1.8	Yes
PDC Lab	C316	2.75	2.78	2.8	2.88	2.75	2.75	2.79	2.02	Yes
LICA Lab	C317	3	2.83	2.8	2.62	2.51	2.6	2.73	2.07	Yes
DSD&DICA Lab	C318	1.85	1.78	2.3	1.83	1.78	1.89	1.9	2.16	No
MP&MC Lab	C326		3	3		3		3	1.84	Yes
DC Lab	C327	2.82	2.94	2.93	2.93	2.82	2.93	2.9	1.83	Yes
DSP Lab	C328	2.06	2.21	2.21	2.2	1.88	2.25	2.14	1.98	Yes
VLSI Lab	C417	2.65	2.65	2.65	2.73	2.83	2.83	2.72	2.07	Yes
MWE Lab	C418	2.97	2.96	2.96	2.93	2.9	2.83	2.93	1.8	Yes

% Students attained Course Outcomes

Section – A LAB Courses:

COURSE NAME	COURSE CODE	CO1	CO2	CO3	CO4	CO5	CO6	Overall Course	University
EDC Lab	C217	92.73	94.94	94.55	94.55	94.5	94.55	94.30	100
N&ET Lab	C218	75.15	75.15	75.15	75.15	75.15		75.15	100
ECA Lab	C227	83.3	82.9	85.7	84.4	83.3	82.7	83.72	100
AC Lab	C228	90.67	92.86	91.87	92.86	85.71	89.58	90.59	98.15
PDC Lab	C316	92	92	90	89	89	89	90.17	98
LICA Lab	C317	83.28	85.7	86.99	80.97	74.86	86.87	83.11	100

DSD&DICA Lab	C318	65.85	60.9	71.78	70.69	64.35	67.77	66.89	100
MP&MC Lab	C326		90.3	89.8		89.8		89.97	100
DC Lab	C327	85.11	87.93	85.37	88.17	83.44	83.44	85.58	85.13
DSP Lab	C328	71.89	77.78	76.94	76.3	75.5	80.37	76.46	81.67
VLSI Lab	C417	96.83	97.35	96.83	96.24	98.41	98.41	97.35	98.39
MWE Lab	C418	98.62	98.41	98.41	96.82	96.37	94.44	97.18	100

% Students attained Course Outcomes

Section – B LAB Courses:

COURSE NAME	**COURSE CODE**	CO1	CO2	CO3	CO4	CO5	CO6	Overall Course	University
EDC Lab	C217	94.55	94.62	94.64	94.64	94.55	94.64	94.61	94.55
N&ET Lab	C218	94	95	95	93	96		94.60	94
ECA Lab	C227	96.73	93.74	94.55	93.77	93.94	93.94	94.45	96.73
AC Lab	C228	85.66	89.09	90.71	91.82	89.7	92.12	89.85	85.66
PDC Lab	C316	94	93	93	95	95	93	93.83	94
LICA Lab	C317	89.5	91.2	85.95	84.2	80.2	75.4	84.41	89.5
DSD&DICA Lab	C318	69.59	62.07	81.03	77.01	65.43	73	71.36	69.59
MP&MC Lab	C326		99.36	99.25		99.2		99.27	
DC Lab	C327	91.11	92.88	91.11	94.66	91.11	94.6	92.58	91.11
DSP Lab	C328	84.76	89.53	87.44	87.06	74.27	90.28	85.56	84.76

VLSI Lab	C417	92.47	93.55	92.47	91.58	97.31	97.31	94.12	92.47
MWE Lab	C418	95.89	95.84	95.84	95.65	95.16	94.35	95.46	95.89

Direct Method: Section - A

COURSE NAME	COURSE CODE	CO1	CO2	CO3	CO4	CO5	CO6	Overall Course	Set Target	Attained (Y/N)
Project Work	C425	2.34	2.35	2.40	2.54	2.41	2.57	2.44	2.08	Yes

Direct Method: Section - B

COURSE NAME	COURSE CODE	CO1	CO2	CO3	CO4	CO5	CO6	Overall Course	Set Target	Attained (Y/N)
Project Work	C425	2.15	2.15	2.20	2.31	2.20	2.34	2.22	2.08	Yes

Indirect assessment:
Section – A

COURSE NAME	COURSE CODE	CO1	CO2	CO3	CO4	CO5	CO6	Overall Course
EDC	C211	1.89	1.85	1.91	2.15	2.11	2.06	1.99
STLD	C212	1.94	1.91	2.23	2.04	2.23	2.19	2.09
S&S	C213	1.91	2.13	2.11	1.91	2.04	1.96	2.01
NA	C214	2.08	1.98	2.13	2.08	2.17	1.98	2.07
RVSP	C215	2.02	1.91	1.96	1.81	1.87	2.09	1.94
MEFA	C216	2.21	2.02	1.91	2.21	1.92	1.91	2.03
EDC Lab	C217	2.01	1.97	2.04	2.03	2.06	2.03	2.02
N&ET Lab	C218	1.81	2.13	1.92	2.06	2.13	1.96	2.00
ECA	C221	2.08	2.11	2.00	1.94	2.02	2.00	2.03
CS	C222	2.11	1.92	2.08	2.04	2.02	2.00	2.03
EMWTL	C223	1.92	1.96	2.15	1.94	2.08	2.04	2.02
AC	C224	1.79	1.94	1.98	2.09	2.06	2.02	1.98
PDC	C225	2.04	2.21	2.00	2.15	2.09	2.11	2.10
MS	C226	1.96	2.05	2.02	2.04	2.07	2.02	2.03
ECA Lab	C227	1.96	1.98	1.79	2.15	2.04	2.25	2.03
AC Lab	C228	1.89	2.08	1.94	2.11	1.94	1.91	1.98
PDC	C311	1.94	2.00	1.94	1.87	2.08	1.85	1.95
LICA	C312	2.06	1.94	2.04	2.00	1.77	2.09	1.98
CS	C313	2.00	2.08	1.96	2.00	1.94	2.08	2.01

DSD&DICA	C314	2.09	1.92	1.96	1.94	1.96	1.85	1.96
AWP	C315	1.99	2.00	1.94	2.01	1.96	2.00	1.98
PDC Lab	C316	2.17	1.94	1.87	1.92	2.09	1.83	1.97
LICA Lab	C317	2.13	2.02	1.92	1.85	1.92	2.09	1.99
DSD&DICA Lab	C318	1.94	2.02	1.87	2.02	2.06	2.04	1.99
IPR	C319	2.8	1.72	1.82	2.06	2.06	2.09	2.09
MP&MC	C321	2.09	2.02	2.08	1.96	2.26	2.02	2.07
DSP	C322	1.83	1.96	2.09	1.92	2.00	1.68	1.92
DC	C323	1.87	2.04	2.08	1.94	2.00	2.09	2.00
MWE	C324	2.01	2.00	1.98	1.94	2.06	1.96	1.99
BME	C325	1.94	1.87	2.04	1.96	1.87	1.94	1.94
MP&MC Lab	C326	2.00	2.15	1.72	2.19	2.08	1.92	2.01
DC Lab	C327	1.74	2.08	2.02	2.04	1.75	2.02	1.94
DSP Lab	C328	1.98	1.92	2.13	1.98	2.09	2.17	2.05
VLSID	C411	1.98	1.92	2.08	2.04	2.13	1.83	2.00
CN	C412	2.17	1.98	2.13	1.79	1.96	1.96	2.00
DIP	C413	1.97	1.99	2.02	2.00	1.98	1.97	1.99
CAO	C414	2.04	2.09	2.13	2.02	2.13	2.06	2.08
RS	C415	2.02	2.08	1.85	2.08	2.09	1.98	2.02
OC	C416	2.02	1.79	2.04	1.74	1.96	2.08	1.94
VLSI Lab	C417	1.96	1.94	1.96	2.06	2.02	1.92	1.98
MW&OC Lab	C418	1.91	1.98	1.92	1.89	1.87	1.91	1.91
CMC	C421	2.04	2.08	1.89	2.02	2.02	1.98	2.00
EMI	C422	2.00	1.99	1.97	1.97	2.02	1.99	1.99
SC	C423	2.00	2.02	2.02	1.96	1.91	2.04	1.99
WSN	C424	1.99	2.13	1.94	2.09	1.83	1.87	1.98
Project Work	C425	1.97	1.91	2.23	2.11	2.13	1.96	2.05

Section – B

COURSE NAME	COURSE CODE	CO1	CO2	CO3	CO4	CO5	CO6	Overall Course
EDC	C211	2.19	1.98	2.17	1.94	1.96	2.09	2.06
STLD	C212	1.94	2.06	1.91	2.15	2.02	2.15	2.04
S&S	C213	1.81	1.92	1.96	1.87	1.89	2.00	1.91
NA	C214	2.06	1.96	1.91	1.81	2.00	2.08	1.97
RVSP	C215	2.02	1.92	2.00	1.94	1.91	2.09	1.98
MEFA	C216	2.13	2.13	2.06	1.89	2.00	2.23	2.07
EDC Lab	C217	1.96	1.91	1.92	2.00	2.13	1.98	1.98
N&ET Lab	C218	2.21	1.96	2.00	2.11	1.92	2.02	2.04
ECA	C221	1.98	2.06	2.09	1.87	2.04	2.28	2.05

CS	C222	2.19	1.83	1.92	1.98	1.74	2.09	1.96
EMWTL	C223	2.11	1.92	2.08	2.02	1.81	2.04	2.00
AC	C224	2.19	2.15	1.96	1.96	2.15	1.83	2.04
PDC	C225	2.06	2.06	1.98	2.02	2.06	2.02	2.03
MS	C226	2.04	1.94	2.08	2.11	2.11	2.09	2.06
ECA Lab	C227	1.91	2.04	1.94	1.92	2.11	1.96	1.98
AC Lab	C228	2.25	2.06	2.11	2.04	1.87	2.28	2.10
PDC	C311	2.13	1.98	1.91	2.04	1.83	1.87	1.96
LICA	C312	2.09	1.94	2.11	2.21	2.00	1.92	2.05
CS	C313	1.96	1.98	1.85	1.81	1.98	1.96	1.92
DSD&DICA	C314	2.06	2.06	1.92	1.94	1.92	2.00	1.98
AWP	C315	1.98	1.85	1.98	1.91	2.25	2.02	2.00
PDC Lab	C316	1.83	1.96	2.13	2.02	1.91	1.91	1.96
LICA Lab	C317	2.13	2.02	1.92	1.94	2.00	1.98	2.00
DSD&DICA Lab	C318	1.98	2.08	2.09	2.00	2.00	2.11	2.04
IPR	C319	2.26	1.92	1.96	2.06	2.06	2.09	2.05
MP&MC	C321	2.06	2.04	2.08	2.15	2.17	2.00	2.08
DSP	C322	1.98	2.00	1.96	2.13	1.92	1.96	1.99
DC	C323	1.91	2.19	2.02	1.94	2.28	2.13	2.08
MWE	C324	1.77	2.15	1.96	1.92	2.15	1.81	1.96
BME	C325	1.85	1.98	2.00	2.00	2.09	1.85	1.96
MP&MC Lab	C326	2.04	2.09	1.98	2.25	2.00	1.72	2.01
DC Lab	C327	2.28	2.09	1.91	2.15	2.06	1.96	2.08
DSP Lab	C328	2.00	2.00	2.06	2.15	1.96	2.04	2.03
VLSID	C411	1.94	2.17	2.13	2.00	2.15	1.89	2.05
CN	C412	2.00	1.98	2.00	1.96	2.08	1.96	2.00
DIP	C413	1.92	2.11	1.85	2.06	2.06	2.02	2.00
CAO	C414	2.09	2.00	2.09	1.75	1.85	1.94	1.96
RS	C415	2.09	1.81	1.81	1.92	1.91	2.02	1.93
OC	C416	1.89	1.94	2.08	2.04	1.87	2.11	1.99
VLSI Lab	C417	2.09	2.04	2.09	2.08	2.11	1.96	2.06
MW&OC Lab	C418	2.09	2.15	1.94	2.21	2.19	1.87	2.08
CMC	C421	1.96	1.98	1.98	2.13	2.13	2.06	2.04
EMI	C422	1.77	2.04	2.15	2.04	1.98	2.02	2.00
SC	C423	2.00	1.87	2.02	1.91	1.96	1.96	1.95
WSN	C424	2.00	2.00	2.06	1.98	1.81	2.11	1.99
Project Work	C425	2.00	2.06	2.09	1.94	2.00	1.98	2.01

Overall Attainment

Section – A

Course Name	COURSE Code	Direct	Indirect	Overall Course
EDC	C211	2.06	1.99	2.03
STLD	C212	1.67	2.09	1.88
S&S	C213	2.10	2.01	2.06
NA	C214	2.08	2.07	2.08
RVSP	C215	2.30	1.94	2.12
MEFA	C216	2.12	2.03	2.08
EDC Lab	C217	2.72	2.02	2.37
N&ET Lab	C218	2.07	2.00	2.04
ECA	C221	2.36	2.03	2.20
CS	C222	2.32	2.03	2.18
EMWTL	C223	1.83	2.02	1.93
AC	C224	2.15	1.98	2.07
PDC	C225	2.06	2.10	2.08
MS	C226	1.89	2.03	1.96
ECA Lab	C227	2.26	2.03	2.15
AC Lab	C228	2.67	1.98	2.33
PDC	C311	1.51	1.95	1.73
LICA	C312	2.26	1.98	2.12
CS	C313	2.07	2.01	2.04
DSD&DICA	C314	2.15	1.96	2.06
AWP	C315	1.46	1.98	1.72
PDC Lab	C316	2.73	1.97	2.35
LICA Lab	C317	2.49	1.99	2.24
DSD&DICA Lab	C318	1.66	1.99	1.83
IPR	C319	1.9	2.00	1.95
MP&MC	C321	2.16	2.07	2.12
DSP	C322	1.74	1.92	1.83
DC	C323	1.87	2.00	1.94
MWE	C324	2.24	1.99	2.12
BME	C325	2.05	1.94	2.00
MP&MC Lab	C326	2.79	2.01	2.40
DC Lab	C327	2.12	1.94	2.03
DSP Lab	C328	1.8	2.05	1.93
VLSID	C411	2.18	2.00	2.09

CN	C412	2.03	1.99	2.01
DIP	C413	1.76	2.08	1.92
CAO	C414	1.93	2.02	1.98
RS	C415	1.82	1.94	1.88
OC	C416	2.27	1.98	2.13
VLSI Lab	C417	2.85	1.91	2.38
MW&OC Lab	C418	2.92	2.00	2.46
CMC	C421	2.10	1.99	2.05
EMI	C422	2.37	1.99	2.18
SC	C423	1.74	1.98	1.86
WSN	C424	2.10	2.05	2.08
Project Work	C425	2.44	1.99	2.22

Section – B

Course Name	COURSE Code	Direct	Indirect	Overall Course
EDC	C211	2.18	2.06	2.12
STLD	C212	1.66	2.04	1.85
S&S	C213	1.63	1.91	1.77
NA	C214	2.32	1.97	2.15
RVSP	C215	2.04	1.98	2.01
MEFA	C216	2.31	2.07	2.19
EDC Lab	C217	2.72	1.98	2.35
N&ET Lab	C218	3	2.04	2.52
ECA	C221	2.45	2.05	2.25
CS	C222	2.73	1.96	2.35
EMWTL	C223	2.10	2.00	2.05
AC	C224	2.36	2.04	2.20
PDC	C225	2.10	2.03	2.07
MS	C226	1.96	2.06	2.01
ECA Lab	C227	2.76	1.98	2.37
AC Lab	C228	2.6	2.10	2.35
PDC	C311	1.73	1.96	1.85
LICA	C312	1.97	2.05	2.01
CS	C313	2.15	1.92	2.04
DSD&DICA	C314	2.08	1.98	2.03
AWP	C315	1.66	2.00	1.83
PDC Lab	C316	2.79	1.96	2.38
LICA Lab	C317	2.73	2.00	2.37
DSD&DICA Lab	C318	1.9	2.04	1.97

IPR	C319	2.23	2.05	2.14
MP&MC	C321	1.70	2.08	1.89
DSP	C322	1.83	1.99	1.91
DC	C323	2.16	2.08	2.12
MWE	C324	2.20	1.96	2.08
BME	C325	2.18	1.96	2.07
MP&MC Lab	C326	3	2.01	2.51
DC Lab	C327	2.9	2.08	2.49
DSP Lab	C328	2.14	2.03	2.09
VLSID	C411	2.12	2.00	2.06
CN	C412	2.44	2.00	2.22
DIP	C413	1.62	1.96	1.79
CAO	C414	2.06	1.93	2.00
RS	C415	1.62	1.99	1.81
OC	C416	1.97	2.06	2.02
VLSI Lab	C417	2.72	2.08	2.40
MW&OC Lab	C418	2.93	2.04	2.49
CMC	C421	2.11	2.00	2.06
EMI	C422	2.28	1.95	2.12
SC	C423	1.94	1.99	1.97
WSN	C424	2.18	2.01	2.10
Project Work	C425	2.22	2.06	2.14

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

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

(Describe the assessment tools and processes used to gather the data upon which the evaluation of each of the Program Outcomes and Program Specific Outcomes is based indicating the frequency with which these processes are carried out. Describe the assessment processes that demonstrate the degree to which the Program Outcomes and Program Specific Outcomes are attained and document the attainment levels)

PO attainments are calculated based the following tools:

Tool used	Frequency of data collection	Responsible person	Assessment criterion	Rubric for Attainment Level
Tool used	**Frequency of data collection**	**Responsible person**	**Assessment criterion**	**Rubric for Attainment Level**
Course work	Once per semester	Course coordinator	Individual PO Avg*CO	1: <40% students 2: 40-60% students

			Attainment/PO AVG	3: >60% students
Lab work	Once per semester	Lab Coordinator	Individual PO Avg*CO Attainment/PO AVG	1: <40% students 2: 40-60% students 3: >60% students
Project work	Once per semester	Examinations cell	Students scored > class average mark	1: <40% students 2: 40-60% students 3: >60% students
CO Feedback	Once per semester	HOD	Students scored > class average mark	1: Poor 2: Satisfactory 3: Very Good
Exit student Feedback	Once per year	HOD	Average of entire feedback	1: Poor 2: Satisfactory 3: Very Good
Employer feedback	Once per year	TPCG Coordinator	Average of entire feedback	1: Poo1: Poor 2: Satisfactory 3: Very Good
Add-on Courses (Co-Curricular)	Once per year	T&P Coordinator	Number of Courses	1Add on Course : Poor(1) 2 Add on courses: Satisfactory(2) 3or more : Very Good(3)
Alumni Feedback	Once per year	Alumni coordinator	Average of entire feedback	1: Poor 2: Satisfactory 3: Very Good
Guest Lecturers (Co-Curricular)	Once per year	Dept. Association Coordinator	Number of Lectures	1-2 Lectures-Poor(1) 3-4 Lectures-Satisfactory(2) >=5 Lectures-Very Good(3)
Projects Exhibition (Co-Curricular)	Once per year	Dept. Association Coordinator	Number of Expos	Nil: Poor(1) Every Year: Satisfactory(2) Every Semester: Very Good(3)
Paper Presentations (Co-Curricular)	Once per year	Dept. Association Coordinator	Number of Publications	Nil: Poor(1) Every Year: Satisfactory(2) Every Semester: Very Good(3)
Programs on Ethics (Co-Curricular)	Once per year	Arts & Cultural Coordinator	Number of Events	Nil: Poor(1) 1 or 2: Satisfactory(2) >=3: Very Good(3)
Ethical Practices – Like Honesty	Once per year	Arts & Cultural	Number of	Nil: Poor(1)

Shops, Yoga, etc., (Extra-Curricular)		Coordinator	Practices	1 or 2: Satisfactory(2) >=3: Very Good(3)
NSS Activities (Extra-Curricular)	Once per year	NSS Committee Coordinator	Number of Activities	<25% Students Participate: Poor(1) 26-50% Students Participate: Satisfactory(2) >50% Students Participate: Very Good(3)
Program on Environment/ Sustainability Organized (Co-Curricular)	Once per year	NSS Committee Coordinator	Number of Events	Nil: Poor(1) 1 or 2 events: Satisfactory(2) >=3 events : Very Good(3)
Programs on Health or Course on Human Anatomy	Once per year	NSS Committee Coordinator	Number of Events	Nil: Poor(1) 1 or 2: Satisfactory(2) 3or more: Very Good(3)
Programs on Safety Engineering	Once per year	NSS Committee Coordinator	Number of Events	Nil: Poor(1) 1 or 2: Satisfactory(2) 3or more: Very Good(3)
Project Management & Finance Guest Lecturers (Co-Curricular)	Once per year	R&D&E	Number of Lectures	Nil: Poor(1) 1 or 2: Satisfactory(2) >=3: Very Good(3)
Library, Internet Hours (Co-Curricular)	Once per year	Library & IC Committee Coordinator	Number of Hours	Nil: Poor(1) Lib/Internet: Satisfactory(2) Both: Very Good(3)
Students' Seminar & English Communication Hours (Co-Curricular)	Once per year	Professional Societies Coordinator	Number of Hours	Nil: Poor(1) Either : Satisfactory(2) Both:: Very Good(3)
Entrepreneurships – Lecturers (Co-Curricular)	Once per year	EDC Coordinator	Number of Lectures	Nil -Poor(1) 1-2 Lectures-Satisfactory(2) >=3 Lectures-Very Good(3)
Programs on Business Laws	Once per year	EDC Coordinator	Number of Events	Nil: Poor(1) 1 or 2:

				Satisfactory(2) 3or more: Very Good(3)
Programs on Intellectual Property Rights	Once per year	R&D Committee Coordinator	Number of Events	Nil: Poor(1) 1 or 2: Satisfactory(2) 3or more: Very Good(3)

Weightage

Tool used	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3
Course work	40	40	40	40	40	30	20	20	10	20	20	20	40	40	40
Lab work	10	10	10	10	10	10	10	20	20	20	20	20	10	10	10
Project work	10	10	10	10	10	10	10	10	20	20	20	20	10	10	10
CO Feedback	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Exit student Feedback	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Alumni Feedback	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Employer feedback	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Add-on Courses (Co-Curricular)	5	5	5	5	5							5			5
Guest Lecturers(Co-Curricular)	5	5	5	5	5							5			
Projects Exhibition (Co-Curricular)	5	5	5	5	5	10			10			5	10		
Paper Presentations (Co-Curricular)	5	5	5	5	5					10					
NSS Activities (Extra-Curricular)						10	10		10						
Program on Environment/ Sustainability Organized (Co-Curricular)							5								
Programs on Health or Course on Human Anatomy							10	5							
Programs on Safety Engineering							10	5							
Programs on Intellectual Property Rights								5							
Project Management & Finance Guest									5		5		5	5	10

Lecturers (Co-Curricular)															
Library, Internet Hours (Co-Curricular)												5		5	
Entrepreneurships – Lecturers (Co-Curricular)											5				
Programs on Business Laws											5				
Students' Seminar & English Communication Hours (Co-Curricular)										10			5	5	
Programs on Ethics (Co-Curricular)						5	5	5						5	5
Ethical Practices – Like Honesty Shops, Yoga, etc., (Extra-Curricular)						5		5							
Students' Participation in Cultural Events, Sports events and annual Activities								5	5	5					

Weightage

Indirect Attainment

Tool used	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PS01**	**PSO2**	**PSO3**
CO Feedback	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Employer feedback	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Alumni Feedback	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Exit student Feedback	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Overall PO attainment

Tool used	**Weightage**
Direct	(80%)
Indirect	(20%)
Overall	5

3.3.2. Provide results of evaluation of each PO & PSO (40)

Program shall set Program Outcome attainment levels for all POs & PSOs.
(The attainment levels by direct (student performance) and indirect (surveys) are to be presented through Program level Course – PO & PSO matrix as indicated).

PO Attainment:

Section - A

CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3	PSO 4
C211	2.48	2.24	1.86	-	1.86	-	-	-	-	-	-	1.86	3	-	-	-
C212	1.46	1.88	1.46	-	1.88	-	-	-	-	-	-	-	3	1	-	-
C213	2.8	1.87	1.87	-	-	-	-	-	-	-	-	1.87	3	-	2	-
C214	2.3	2.3	1.9	-	1.9	-	-	-	-	-	-	-	3	-	-	-
C215	2.04	2.3	-	-	2.04	-	-	-	-	-	-	2.04	3	-	2.5	-
C216	2.35	1.37	-	-	2.35	-	-	-	-	-	2.12	-	-	-	-	3
C217	2.04		2.67									2.45	3	-	2	-
C218	2.96		1.97	2.29					2.1	0.98			-	-	-	-
C221	2.25	2.36	2.25	-	2.9	-	-	-	-	-	-	2.25	3	-	-	-
C222	2.40	2.2	2.3	-	2.3	-	-	-	-	-	-	2.3	3	-	-	-
C223	1.80	2.25	1.8	-	-	-	-	-	-	-	-	1.8	3	-	2	-
C224	2.15	2.29	-	-	1.19	2.38	-	-	-	-	-	2.38	2.83	-	1.67	-
C225	1.71	1.85	2.57	-	2.57	-	-	-	-	-	-	1.71	3	3	2	-
C226	1.88	0.94						1.88			2.82		-	-	-	3.00
C227	2.06	2.4	2.1		2.1				2.1			2.2	3	-	2	-

C228	3	2.67			1.35							2.67	2.83	-	1.67	-
C311	1.54	1.54	1.35	-	1.54	-	-	-	-	-	-	1.54	3	-	2.17	-
C312	2.8	2.19	1.88	-	2.82	-	-	-	-	-	-	1.88	3	-	-	-
C313	2.80	1.5	0.94	-	2.8	1.8	1.8	-	-	-	-	2.16	-	2	-	-
C314	3	2.81	2.04	1.02	2.55	-	-	-	-	-	2.04	1.53	2	2	2	-
C315	1.75	1.6	1.33	-	1.33	-	-	-	-	-	-	1.33	2	-	-	2
C316	2.73	2.92	2.925	2.34									3	2	-	-
C317	2.13	2.13	2.13		3.2				3.2			2.13	3	-	1	-
C318	1.78	1.52		1.52	2.28							2.09	2	-	2	-
C319	1.9	0.95	-	-	1.9	-	-	2.85					-	-	-	3
C321	2.00	2.2	3	2	2.5	-	-	-	-	-	2	2.17	2.75	2.5	2.33	-
C322	1.79	1.65	1.65	1.65	2.06	-	-	-	-	-	-	1.65	2	-	2	-
C323	2.12	1.7	1.7	-	2.12	-	-	-	-	-	-	1.70	3	1.6	1	-
C324	2.33	2.33	2.33	2.33	-	-	-	-	-	-	-	2.33	2.83	-	1.83	-
C325	2.08	2.08	2.23	2.23	2.08	2.08	-	-	-	1.79	-	1.79	1.17	1	1.25	-
C326	2.5		2.96		2.96							2.73	1	3	3	-
C327	1.92	1.92	1.92						2.09			1.92	2	-	-	-
C328	1.97	1.82	1.82	1.82	2.73						1.82	1.82	2	-	2	-
C411	2.1	2.26	1.94	-	2.26	-	-	-	-	-	-	2.1	2.5	2.67	1.83	-
C412	2.06	1.39	-	-	2.33	-	-	-	-	-	-	2.06	3	-	2.17	-
C413	1.76	2.06	1.1	0.3	1.76	1.91	-	-	-	-	-	1.76	2	-	1.5	-
C414	1.9	1.93	1.75	1.75	2.19	1.75	-	-	-	-	-	1.9	1.5	2.83	-	-
C415	2.43	1.7	1.94	1.94	1.94	-	-	-	-	-	0.97	2.43	3	-	2.17	-
C416	2.9	2.4	2.2	2.8	2.2	-	-	-	-	-	-	2.9	-	-	-	-
C417	2.88	2.48	2.88		3							2.88	2	3	2	-
C418	2.92	2.92	2.92	2.92						2.92		2.92	-	-	-	-
C421	1.86	1.86	2.61	-	-	-	-	-	-	-	-	2.01	3	-	2.4	-
C422	2.3	2.0	2.09	2.4	-	-	-	-	-	-	-	2.0	3	-	2	-

	7	9		4								9				
C423	2.52	2.52	-	0.5	-	2.05	-	-	-	-	-	1.1	3	-	2	-
C424	1.87	1.87	2.1	-	2.8	-	-	-	-	-	-	1.87	3	-	2	
C425	2.69	2.62	2.69	2.03	2.92	2.25	2.18	2.14	2.51	2.62	2.31	2.31	1.93	2.72	2.59	2.00
Direct Attainment	2.24	2.04	2.09	1.88	2.26	2.03	1.99	2.29	2.40	2.08	2.01	2.07	2.60	2.26	1.97	2.60

Section - B

CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3	PSO4
C211	2.62	2.36	1.97	-	1.97	-	-	-	-	-	-	1.97	3	-	-	-
C212	1.45	1.87	1.45	-	1.87	-	-	-	-	-	-	-	3	1	-	-
C213	1.96	1.96	0.98	-	-	-	-	-	-	-	-	1.96	3	-	2	-
C214	2.55	2.55	2.04	-	2.04	-	-	-	-	-	-	-	3	-	-	-
C215	1.8	2.7	-	-	1.8	-	-	-	-	-	-	1.8	3	-	2.5	-
C216	2.31	1.15	-	-	2.31	-	-	-	-	-	3	-	-	-	-	3
C217	2.04		2.67									2.45	3	-	2	-
C218	3	-	2.84	3	-	-	-	-	3	1.42	-	-	-	-	-	-
C221	2.33	2.45	2.33	-	2.17	-	-	-	-	-	-	2.33	3	-	-	-
C222	2.80	2.6	2.9	-	2.6	-	-	-	-	-	-	2.6	3	-	-	-
C223	1.87	2.8	1.86	-	-	-	-	-	-	-	-	1.87	3	-	2	-
C224	3.00	2.5	-	-	1.15	2.31	-	-	-	-	-	2.31	2.83	-	1.67	-
C225	1.75	1.89	2.63	-	2.63	-	-	-	-	-	-	1.75	3	3	2	-
C226	1.96	0.98						1.96			2.94		-	-	-	3.00
C227	2.55	2.6	2.6		2.6				2.6			2.6	3	-	2	-
C228	3	2.6			1.3							2.6	2.83	-	1.67	2
C311	1.77	1.77	1.55	-	1.55	-	-	-	-	-	-	1.55	3	-	2.17	-
C312	2.40	1.91	1.64	-	2.4	-	-	-	-	-	-	1.64	3	-	-	-
C313	3	1.6	1	-	3	2	2	-	-	-	-	2.3	-	2	-	-
C314	2.96	2.71	1.97	0.99	2.47	-	-	-	-	-	1.98	1.48	2	2	2	-
C315	2.02	1.98	2.22	-	1.52	-	-	-	-	-	-	1.52	2	-	-	2
C316	2.7	2.9	2.9	2.3									3	2	-	-

	8	7	7	8												
C317	2.34	2.34	2.34		3.00				3.52			2.34	3	-	1	-
C318	2.03	1.74		1.74	2.61							2.4	2	-	2	-
C319	2.23	1.11	-	-	2.23	-	-	3					-	-	-	3
C321	1.53	1.53	2.3	1.53	1.92	-	-	-	-	-	1.53	1.53	2.75	2.5	2.33	-
C322	1.88	1.73	1.73	1.73	2.17	-	-	-	-	-	-	1.73	2	-	2	-
C323	2.45	1.96	1.96	-	2.45	-	-	-	-	-	-	1.96	3	1.6	1	-
C324	2.2	2.2	2.2	2.2	-	-	-	-	-	-	-	2.2	2.83	-	1.83	-
C325	2.21	1.21	2.37	2.37	2.21	2.21	-	-	-	1.9	-	1.90	1.17	1	1.25	-
C326	2.69		2.98		2.98							2.94	1	3	3	-
C327	2.64	2.64	2.64						2.86			2.64	2	-	-	-
C328	2.12	1.95	1.95	1.95	2.93						1.95	1.95	2	-	2	-
C411	1.94	2.2	1.89	-	2.2	-	-	-	-	-	-	2.27	2.5	2.67	1.83	-
C412	2.9	1.95	-	-	1.95	-	-	-	-	-	-	1.95	3	-	2.17	-
C413	1.62	1.9	1.02	0.88	1.62	1.76	-	-	-	-	-	1.76	2	-	1.5	-
C414	2.03	2.06	1.87	1.87	2.34	1.87	-	-	-	-	-	2.4	1.5	2.83	-	-
C415	2.15	1.5	1.72	1.72	1.72	-	-	-	-	-	0.86	-	3	-	2.17	-
C416	2.5	2.11	1.92	2.4	1.92	-	-	-	-	-	-	0.96	-	-	-	-
C417	2.75	2.36	2.75		2.95							2.75	2	3	2	-
C418	2.92	2.92	2.92	2.92						2.92		2.92	-	-	-	-
C421	1.87	1.87	2.63	-	-	-	-	-	-	-	-	2.03	3	-	2.4	-
C422	2.28	2.01	2.01	2.35	-	-	-	-	-	-	-	2.01	3	-	2	-
C423	2.81	2.81	-	0.53	-	2.28	-	-	-	-	-	1.22	3	-	2	-
C424	1.92	1.92	2.16	-	2.88	-	-	-	-	-	-	1.92	3	-	2	
C425	2.54	2.34	2.38	2.08	2.83	1.93	2.01	1.87	2.28	2.18	2.13	2.10	1.93	2.72	2.59	2.00
Direct Attainment	2.31	2.10	2.14	1.92	2.24	2.05	2.01	2.28	2.85	2.11	2.06	2.07	2.60	2.26	1.97	2.50

Indirect Attainment-2017-18

Event\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	Overall Course
Employer Feedback	2.20	2.25	2.17	2.17	2.05	2.05	2.10	2.20	2.23	2.23	2.30	2.33	2.19
T&PCG	-	-	-	-	-	-	-	2	3	2	-	2	2.25
Almuni Feedback	2.77	2.73	2.69	2.50	2.58	2.42	2.39	2.43	2.48	2.44	2.50	2.50	2.53
Department Association Activities cell (Paper Presentation, Project Expo,	2	2	2	2	2	-	-	2.2	2.9	3	2	1.5	2.18
NSS cell (Nss Activities, Programs on Environment, Programs on Health, Programs on Safety)	-	-	-	-	-	3	3	1.25	3	1.25	2	1	2.07
Industry Institute Interaction cell	-	2	3	-	3	2	2	2.3	2.6	3	2.5	2.2	2.46
Library And Information Centre Cell	-	-	-	-	3	2	-	-	-	-	-	2	2.33
Professional Societies (Student Seminar, English Comm. Skills)	-	2	3	3	2.6	2	2	-	3	3	-	2.71	2.59
R&D&E (IPR, Projects)	2	-	2	3	2.3	2	2	2.6	2	2	3	2	2.26
Arts and Cultural committee	-	-	-	-	-	2	2	2	1.4	1.85	-	2	1.88
Sports & Games	-	-	-	-	-	-	-	2	3	2	-	-	2.33
Indirect Attainment	2.32	2.20	2.57	2.67	2.50	2.16	2.19	2.11	2.56	2.28	2.38	2.02	2.33

Tool	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
Direct Attainment (A)	2.24	2.04	2.09	1.88	2.26	2.03	1.99	2.29	2.40	2.08	2.01	2.07	2.60	2.26	1.97	2.60
Direct Attainment (B)	2.31	2.10	2.14	1.92	2.24	2.05	2.01	2.28	2.85	2.11	2.06	2.07	2.60	2.26	1.97	2.50
Indirect attainment	2.32	2.20	2.57	2.67	2.50	2.16	2.19	2.11	2.56	2.28	2.38	2.02	2.6	2.26	1.97	2.67
Overall Attainment	2.29	2.11	2.25	2.13	2.33	2.05	1.99	2.18	2.56	2.11	2.11	2.05	2.60	2.26	1.97	2.61

Note: *Similar table is to be prepared for PSOs*

C101, C102 are indicative courses in the first year. Similarly, C409 is final year course.

First numeric digit indicates year of study and remaining two digits indicate course nos. in the respective year of study.

- Direct attainment level of a PO & PSO is determined by taking average across all courses addressing that PO and/or PSO. Fractional numbers may be used for example 1.55.

- Indirect attainment level of PO & PSO is determined based on the student exit surveys, employer surveys, co-curricular activities, extracurricular activities etc.

Example:

1. It is assumed that a particular PO has been mapped to four courses C201, C302, C303 and C401

2. The attainment level for each of the four courses will be as per the examples shown in 3.2.2

3. PO attainment level will be based on attainment levels of direct assessment and indirect assessment

4. For affiliated, non-autonomous colleges, it is assumed that while deciding on overall attainment level 80% weightage may be given to direct assessment and 20% weightage to indirect assessment through surveys from students(largely), employers (to some extent). Program may have different weightages with appropriate justification.

5. Assuming following actual attainment levels:

Direct Assessment

C201 –High (3)

C302 – Medium (2)

C303 – Low (1)

C401 – High (3)

Attainment level will be summation of levels divided by no. of courses
3+2+1+3/4=

9/4=2.25

Indirect Assessment

Surveys, Analysis, customized to an average value as per levels 1, 2 & 3.

Assumed level - 2

6. PO Attainment level will be 80% of direct assessment + 20% of indirect assessment i.e.

1.8 + 0.4 = 2.2.

Note: Similarly for PSOs

Overall PO/PSO Attainment

CRITERION 4	Students' Performance	150

4. STUDENTS' PERFORMANCE (150)

Item(Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2018-19	2017-18	2016-17	2015-16	2014-15	2013-14	2012-13
Sanctioned intake of the program (*N*)	120	120	120	120	120	120	120
Total number of students admitted in first year *minus* number of students migrated to other programs/institutions plus no. of students migrated to this program (*N*1)	80	105	97	93	95	106	108
Number of students admitted in 2nd year in the same batch via lateral entry (*N*2)	0	24	17	29	36	28	28
Separate division students, if applicable (*N3*)	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Total number of students admitted in the Program (*N*1 + *N*2 + N3)	80	129	114	122	131	134	136

Table B.4a

Year of entry	*N*1 + *N*2 + N3 (As defined above)	Number of students who have successfully graduated without backlogs in any semester/year of study (Without Backlog means no compartment or failures in any semester/year of study)			
		I Year	II Year	III Year	IV Year
2018-19	80+0+0				
2017-18	105+24+0	27			
2016-17	97+17+0	26	18		
2015-16	93+29+0	34	34	25	
2014-15	95+36+0	48	41	34	33
2013-14	106+28+0	60	62	48	38
2012-13	108+28+0	77	78	72	62

Table B.4b

Year of entry	*N*1 + *N*2 + N3 (As defined above)	Number of students who have successfully graduated (Students with backlog in stipulated period of study)			
		I Year	II Year	III Year	IV Year
2018-19	80+0+0				
2017-18	105+24+0	103			
2016-17	97+17+0	95	104		
2015-16	93+29+0	92	117	115	
2014-15	95+36+0	94	126	125	94
2013-14	106+28+0	103	129	127	104
2012-13	108+28+0	106	132	131	108

Table B.4c

4.1.Enrolment Ratio (20) Enrolment Ratio= N1/N=282/360=**78.33%**

Item (Students enrolled at the First Year Level on average basis during the previous three academic years starting from current academic year)	**Marks**
>=90% students enrolled	20
>=80% students enrolled	18
>=70% students enrolled	16
>=60% students enrolled	14
>=50% students enrolled	12
Otherwise	0

Table B.4.1

`Academic Year	**N**	**N1**	**N1/N**
2018-19	120	80	0.666
2017-18	120	105	0.875
2016-17	120	97	0.808
Average Assessment			**0.783**

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

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

SI= (Number of students who have graduated from the program without backlog)/ (Number of students admitted in the first year of that batch and actually admitted in 2nd year via lateral entry and separate division, if applicable)

Average SI = Mean of Success Index (SI) for past three batches Success rate without backlogs in any year of study = 25 × Average SI=**8.23**

Item	2014-18	2013-17	2012-16
Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry and separate division, if applicable	131	134	136
Number of students who have graduated without backlogs in the stipulated period	33	38	62
Success Index (SI)	0.25	0.283	0.455
Average SI	0.329		

Table B.4.2.1

4.2.2. Success rate with backlog in stipulated period of study (15)

SI= (Number of students who graduated from the program in the stipulated period of course duration)/ (Number of students admitted in the first year of that batch and actual admitted in 2nd year via lateral entry and separate division, if applicable)

Average SI = mean of Success Index (SI) for past three batches

Success rate = 15 × Average SI=**11.43**

Item	2014-18	2013-17	2012-16
Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry and separate division, if applicable	131	134	136
Number of students who have graduated with backlog in the stipulated period	94	104	108
Success Index (SI)	0.717	0.776	0.794
Average Success Index	0.762		

Table B.4.2.2

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

4.3. Academic Performance in Third Year (15)

*Academic Performance = 1.5 * Average API (Academic Performance Index)*=**9.81**

***API** = ((Mean of 3rd Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Third Year/10)) x (number of successful students/number of students appeared in the examination)*

Successful students are those who are permitted to proceed to the final year.

Academic Performance	2017-18	2016-17	2015-16
Mean of CGPA or Mean Percentage of all successful students (X)	6.56	6.45	6.63
Total no. of successful students (Y)	115	125	127
Total no. of students appeared in the examination (Z)	115	125	127
API = x* (Y/Z)	6.56	6.45	6.63
Average API = (AP1 + AP2 + AP3)/3	6.54		

Table B.4.3

4.4. Academic Performance in Second Year (15)

*Academic Performance Level = 1.5 * Average API (Academic Performance Index)*=**9.30**

***API** = ((Mean of 2nd Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Second Year/10)) x (number of successful students/number of students appeared in the examination)*

Successful students are those who are permitted to proceed to the Third year.

Academic Performance	2017-18	2016-17	2015-16
Mean of CGPA or Mean Percentage of all successful students (X)	6.73	6.03	6.22
Total no. of successful students (Y)	104	117	126
Total no. of students appeared in the examination (Z)	108	119	126
API = X* (Y/Z)	6.48	5.92	6.22
Average API = (AP1 + AP2 + AP3)/3	6.20		

Table B.4.4

4.5. Placement, Higher Studies and Entrepreneurship (40)

Assessment Points = 40 × average placement=**40*0.420=16.8**

Item	2017-18	2016-17	2015-16
Total No. of Final Year Students (N)	125	127	132
No. of students placed in companies or Government Sector (x)	58	47	38
No. of students admitted to higher studies with valid qualifying scores (GATE or equivalent State or National Level Tests, GRE, GMAT etc.) (y)	4	5	6
No. of students turned entrepreneur in engineering/technology (z)	0	3	0
x + y + z =	62	55	44
Placement Index : (x + y + z)/N	0.496	0.433	0.333
Average placement	0.420		

Table B.4.5

4.5a. Provide the placement data in the below mentioned format with the name of the Program and the assessment year:

Program Name: EC & Assessment Year 2017-18-Placements:

S.No	Name of the student	Roll No	Name of the Employer	Appointment no. reference with date
1	BOGADHI RAJITHA	14MQ1A0405	Karvy Millenium	10/10/2018
2	CHILLIMUNTHA DIVYA	14MQ1A0409	Bharath Electronics	11/07/2018
3	DUSANAPUDI GAYATRI	14MQ1A0413	ALIENS	09/07/2018
4	GOKAVARAPU NAGA YASASWINI	14MQ1A0414	TECHONA ENTERPRISES	Techona/ofr 4-5-2018
5	KAGITHA RAMYA	14MQ1A0415	Vee Technologies	16/07/2018
6	KOPPARAVADAKKADIL NEETHU	14MQ1A0418	HYOSEONG ELECTRIC CO., LTD	04/06/2018
7	KORE MALLESWARI	14MQ1A0419	SYKAS	20/08/2018
8	K.V.L.SUBHASHINI	14MQ1A0421	ALIENS	09/07/2018
9	MADIREDDI HARIKA NAGAMANI	14MQ1A0422	Tollplus Pvt Ltd	28/03/2018
10	MADIREDDY DEVISREE	14MQ1A0423	FOXCONN (Rising Stars Mobile India (P) Ltd.)	2/7/2018
11	MURALA KRISHNA KUMARI	14MQ1A0428	TECHONA ENTERPRISES	Techona/ofr 4-5-2018
12	PADAMATA SAI PRANAVI	14MQ1A0431	Techsosys	13/08/2018
13	PAGADALA SAI PRAVYA	14MQ1A0432	FOXCONN (Rising Stars Mobile India (P) Ltd.)	2/7/2018
14	PAPINENI RATNA JYOTHI	14MQ1A0433	Stealth Technocrats	09/07/2018
15	POLAGANI TEJA SREE	14MQ1A0436	Techsosys	13/08/2018
16	SAMMETA SANTHI PRIYA	14MQ1A0437	Cyient	13/08/2018
17	SEERAM JABILI	14MQ1A0438	Foxconn (RSMIPL)	Ref : RSMIPL/AP/HR/GET/2018/3030: 2/7/2018
18	THOTA THANUJA	14MQ1A0439	Vee Technologies	16/07/2018
19	UMMADISETTY SUPRIYA	14MQ1A0440	FOXCONN (Rising Stars Mobile India (P) Ltd.)	2/7/2018
20	VARRE HARIKA	14MQ1A0442	Infosys Limited	Ref no: HRD/3T/18-19/12432547 Date : 02-07-2018
21	VIKRUTHI LAVANYA	14MQ1A0443	IFTLC	06/08/2018
22	YERRAMSETTI KUSUMA	14MQ1A0446	foxconn (RSMIPL)	Ref : RSMIPL/AP/HR/GET/2018/3074 ;2/7/2018

23	AYANOLY SRAVAN	14MQ1A0447	Snovasys software solutions India	13/3/2018
24	M.PAVAN KALYAN	14MQ1A0452	Qualcomm India Pvt LTD	05/11/2018
25	RAJA LALITHA SAI	14MQ1A0453	Cognizant	17/09/2018
26	TADEPALLI VENKATA SAI SANDEEP	14MQ1A0456	FOXCONN (Rising Stars Mobile India (P) Ltd.)	2/7/2018
27	ALAPATI NAVYA SRI	14MQ1A0457	foxconn (RSMIPL)	2/7/2018
28	AYESHA PARVEEN	14MQ1A0459	Cognizant	17/09/2018
29	CHALAMALASETTI BHARATHI	14MQ1A0463	Surya Tech Solutions	Techona/ofr Date: 05-04-2018
30	GANAPABATHULA SRILATHA	14MQ1A0465	Fininfocom Pvt.Ltd	09/07/2018
31	GORIPARTI BHAVYASRI	14MQ1A0466	HYOSEONG ELECTRIC CO., LTD	04/06/2018
32	GUNDU V N V HARSHITHA	14MQ1A0467	Cognizant	17/09/2018
33	KANTETI SRI PAVANI	14MQ1A0469	TECHONA ENTERPRISES	Ref : Techona/ofr Date: 05-04-2018
34	KOSANAM VEDA SRI	14MQ1A0471	Wipro	20/08/2018
35	MURALA SIVA NAGA PARVATHI	14MQ1A0474	Trigeo technologies	23/07/2018
36	PADAMATA HEMALATHA	14MQ1A0476	FOXCONN (Rising Stars Mobile India (P) Ltd.)	2/7/2018
37	PATTAPU ANUSHA	14MQ1A0479	Infosys	Ref no: HRD/3T/18-19/12372198 Date :29-06-2018
38	UDDAGIRI BINDU SREE	14MQ1A0484	Elegant Beverages Pvt Lyd	22/10/2018
39	VANKA MANISHA	14MQ1A0485	Bharath Electronics	11/07/2018
40	PEDDIREDDY MAHESH	14MQ1A0491	Exiger Pvt Technology	04/06/2018
41	AKURATHI GNANA SUDHA	15MQ5A0401	Cyient	13/08/2018
42	CHANDIKA NAGA SUSHMITHA	15MQ5A0405	foxconn (RSMIPL)	2/7/2018
43	G BINDU SAI SURYA SRI	15MQ5A0406	foxconn (RSMIPL)	2/7/2018
44	MUNAGALA SRIVALLI	15MQ5A0410	Ee Science &Technological Sevices	25/06/2018
45	SIDDINENI LAKSHMI LAHARI	15MQ5A0412	Bharath Electronics	11/07/2018
46	VINNAKOTA MADHAVI	15MQ5A0415	Exiger Pvt Technology	04/06/2018
47	ANDE ASHOK KUMAR	15MQ5A0417	Ee Science &Technological Sevices	25/06/2018
48	CHITIKALA N PRASANNA KUMAR	15MQ5A0419	foxconn (RSMIPL)	2/7/2018
49	EDE ANIL KUMAR	15MQ5A0420	foxconn (RSMIPL)	2/7/2018

50	GANDRAPU DINESH	15MQ5A0421	EMSB	23/07/2018
51	KAGITAS VINAY KUMAR	15MQ5A0424	NIEHOFF	27/08/2018
52	MACHARLA ANESH	15MQ5A0425	foxconn (RSMIPL)	2/7/2018
53	MORLA JYOHTI N V BRAHMAM	15MQ5A0426	Strategic outsourcing services	17/09/2018
54	MURARI KALYAN	15MQ5A0428	Indian Security Force	10/09/2018
55	MUDDINENI PRASANNA KUMAR	15MQ5A0430	foxconn (RSMIPL)	2/7/2018
56	MENDU RAJESH	15MQ5A0431	EMSB	23/07/2018
57	NAGIDI H N SUNDARA RAO	15MQ5A0433	Surya tech solutions	Ref: STS/OFR 12/7/2020
58	SIDDINENI LAKSHMI PRASANTH	15MQ5A0435	foxconn (RSMIPL)	Ref : RSMIPL/AP/HR/GET/2018/3072 2/7/2018

Program Name: EC & Assessment Year: 2017-18 - Higher Studies

S.No	Student Name	Student ID / No.	University for Higher Studies	Course of study	Admitted Through
1	VANUKURI REVATHI	14MQ1A0441	JNTUK	M.Tech	PGECET
2	AREPU MOUNIKA	14MQ1A0458	KRISHNA UNIVERSITY	MBA	ICET
3	BATRAJU POORINIMA	14MQ1A0460	KRISHNA UNIVERSITY	MBA	ICET
4	KANDULA SOWJANYA	14MQ1A0468	JNTUK	M.Tech	PGECET

Program Name : EC & Assessment Year:2016-17- Placements

S.No	Name of the student	Roll No	Name of the Employer	Appointment no. reference with date
1	P.ANVITHA	13MQ1A0402	SYKAS	19/06/2017
2	B PUSHPANJALI	13MQ1A0404	S V Tech Solutions	26-6-2018
3	CHENNAKESAVULU NAGAVENKATA SAI ANITHA	13MQ1A0406	RMSI	22-1-2018
4	CHINTHALAKRINDA HARITHA	13MQ1A0407	Cyient	5-10-2018
5	GURRAM LIKHITHA	13MQ1A0410	AURUM Info Solutions	Ref : AU/CH/2016-17 /002 Date : 01-10-2016
6	JAGABATTULA TEJOVATHI	13MQ1A0411	Cyient	13-7-2018

7	MURARI PRATHYUSHA	14MQ5A0419	Effectronics	Ref : EFF/HRD/ L7 - LB / OFF-RD/7 6 5/5/2017
8	LUKKA SAI KUMARI	13MQ1A0420	Cyient	28-8-2018
9	M R SAI PRASANNA	13MQ1A0421	SPRING ROOTS	26-6-2018
10	P SOWJANYA	13MQ1A0430	Mobius Knowledge Services	JUNE 2017
11	R.YUGESWARI	13MQ1A0431	CADSYS	12.11.2018
12	THALLAPRAGADA DIVYA VALLI PRASANNA	13MQ1A0434	Indigo	24/07/2017
13	TUMU BHARATHI	13MQ1A0439	MANNA Foods private limited.	6-4-2018
14	VALLABHA PRAVALLIKA	13MQ1A0441	Cognizant	25/09/2017
15	YENDURI ASRITHA	13MQ1A0444	Cyient	13-7-2018
16	GAJULA NAGA VENKATA GITHENDRA BABU	13MQ1A0448	Genx solutions	21/01/2018
17	KOTA BHUVANA SAI CHANDU	13MQ1A0451	SYNOPSYS	10-10-2018
18	LINGAM VEERA RAGHAVAIAH	13MQ1A0452	Rivigo services private limited	13-3-2018
19	VINNAKOTA KRISHNA PRASAD	13MQ1A0454	Contrail Netwoks	29-9-2018
20	ANNARAPU MOUNIKA	13MQ1A0455	S V Tech Solutions	26-6-2018
21	ELLURI DIVYA SRI	13MQ1A0462	Remedy publications Pvt Ltd	Emp id 1066
22	ELURI SRAVANI	13MQ1A0463	RMSI	22-1-2018
23	J SRAVYA CHRISTENA	13MQ1A0466	REETHIS	26-6-2018
24	KATTA MANISHA	13MQ1A0468	S V Tech Solutions	26-6-2018
25	KROVI GAYATHRI	13MQ1A0470	S V Tech Solutions	26-6-2018
26	KUNASANI MEENAKSHI	13MQ1A0471	Accenture	Emp id 11537714
27	MD MASTANBEE	13MQ1A0473	S V Tech Solutions	26-6-2018
28	MAROJU SAINISHITHA	13MQ1A0474	AURUM INFO SOLUTIONS	1-10-2017
29	MATURI NAGA SRUTHI	13MQ1A0475	Cognizant	Emp id 717803
30	MEDICHARLA SATYA SHAMBHAVI	13MQ1A0476	Accenture	18-5-2018
31	M.ANUSHA	13MQ1A0477	SIPL	EMP ID SIPL 433

32	NARIKIMILLI SAI SAHITHI	13MQ1A0479	Wipro	EMP ID 17011541
33	PAMARTHI KALYANI	13MQ1A0480	Wexos Informatica	EMP ID WH2144
34	PARISE SAI LAKSHMI PRANAVI	13MQ1A0483	Creative SynergY group	EMP NO 11202
35	RAJULAPATI SRAVYA	13MQ1A0487	Wexos Informatica	EMP ID WH2145
36	RANGA MOUNIKA	13MQ1A0488	REETHIS	26-6-2018
37	SWAMY LAVANYA	13MQ1A0491	S V Tech Solutions	26-6-2018
38	YENDURI AKHILA DEVI	13MQ1A0497	Accenture	EMP ID 11544658
39	RANGA SAI VISHNU	13MQ1A04A5	Phimetrics technologies Pvt.Ltd.	EMP CODE 906
40	SRIVATSAVA SARVA	13MQ1A04A6	Cigniti	EMP ID E004763
41	KARUPARTI KANAKA MAHA LAKSHMI	14MQ5A0416	Cadsys(india)Ltd.	12-11-2018
42	MADIVADA SRIANKA	14MQ5A0418	Mobius Knowledge Services	JUNE 2017
43	THOTA SIREESHA	14MQ5A0421	Stratagic Outsourcing Services Pvt Ltd	ECIL-2388
44	YERRA BHANU NAGA MOUNIKA	14MQ5A0422	Accenture Solutions Pvt Ltd	EMP ID 11522418
45	ZAREENA	14MQ5A0423	S V Tech Solutions	26-6-2018
46	MAGANTI SUNIL BABU	14MQ5A0424	Accenture	8-3-2018
47	NANDAM SARAT KUMAR	14MQ5A0426	Info Services	IS 9034

Program Name : EC & Assessment Year :2016-17- Higher Studies

S.No	Student Name	Student ID / No.	University for Higher Studies	Course of study	Admitted Through
1	N.VASAVI RANI	13MQ1A0427	GDMM COLLEGEOF ENGINEERING AND TECHNOLOGY	M.Tech	PGECET
2	J.PRIYANKA	13MQ1A0465	Mysore University	MBA	MANAGMENT
3	L.MANASA	13MQ1A0472	GEC	M.Tech	PGECET
4	M.G.S.S.V.R.HANU KIRAN	13MQ1A04A3	Hindu College	MBA	MANAGMENT
5	J.PRAKASH	13MQ1A04A4	IIEBM	MBA	MAT SCORE 72

Program Name : EC & Assessment Year : 2016-17-Students Entrepreneurs

S.No	Roll No	Name of the student	Designation	Company
1	13MQ1A0419	KUNASANI GAYATHRI	Entrepreneur	GLAZE Trading India Pvt. ltd
2	13MQ1A0469	KOTARI VANI VENKATA SAI MAMATHA	Entrepreneur	GLAZE Trading India Pvt. ltd
3	13MQ1A0478	NAMBURU NAGA GOWTHAMI	Entrepreneur	GLAZE Trading India Pvt. ltd

Program Name : EC & Assessment Year : 2015-16-Placements

S.No	Name of the student	Roll No	Name of the Employer	Appointment no. reference with date
1	BOKINALA RAMYA MERCY	12MQ1A0402	Infro Softtech	EMP ID:ISIS10271
2	CH KIRAN JYOTHI	12MQ1A0404	TCS	Ref: TCSL/DT20163352672/ Hyderabad Date: 23/03/2016
3	DASARI SANDHYA	12MQ1A0405	Capgemini	ID:095659_IN
4	GARLAPATI DEVIKA RANI	12MQ1A0410	WIPRO	03/01/2017
5	KOLLA DIVYA SRI	12MQ1A0415	VRNDA Software Technologies Pvt Ltd	EMP ID:1064
6	KOLLI SUKANYA	12MQ1A0416	TCS	Ref: TCSL/DT20163357566/ Hyderabad Date: 23/03/2016
7	L N S MOUNIKAEESWARI	12MQ1A0417	Rimini Street	Sl No:259
8	MOHAMMED RAHIMUNNISA	12MQ1A0419	DXCORR hardware technologies Pvt Ltd	1/31/2016
9	SONTI MOULIKA	12MQ1A0427	Thomson Reuters	
10	THOTA LAKSHMI PRASANNA	12MQ1A0429	Infosys	Ref :HRD/3t/16-17/11050151 03-06-2016
11	VEERLANKA KOUMUDI	12MQ1A0432	HR Square Staff Solutions Pvt Ltd	30/07/2018
12	JALLURI JYOTHI SWAROOP	12MQ1A0441	SVIET	
13	KAPPALA ANIL	12MQ1A0445	AGASTHYA app labs pvt. Ltd.	Id No:AA034

14	K NAGA BHANU PRAKASH	12MQ1A0448	Credencys solutions private limited	4/12/2016
15	K ANIL KUMAR	12MQ1A0449	Way2Online Interactive India PVT.LTD	ID:2962
16	MUNGI TULASI VIJAY DURGA	12MQ1A0450	ANI Technologies pvt. Ltd.	ID:3355 3355
17	V N SATYA TEJO KIRAN	12MQ1A0453	LINKWELL	13/08/2018
18	ADIVI SOWMYA TEJA	12MQ1A0455	Accenture	17/04/2017
19	ARIPI UDAYA LAKSHMI	12MQ1A0459	A.A.N.M.&V.V.R.S .R Polytechnic	
20	ATMURI PRIYANKA	12MQ1A0460	Cognizant	ID:696371
21	CH NAGA RAJESWARI	12MQ1A0463	AVISO	5/31/2016
22	CHINTA JYOTHI	12MQ1A0465	SVECW	
23	CHITTA PRATHYUSHA	12MQ1A0466	Lvtl infoview Tech	Ref : 2016/03/1281 12-04-2016
24	DONTHUCHOLA SESHA VENKATA CHANDRIKA	12MQ1A0467	YVR Consultancy Services Private Limited	ID:YVR00041
25	GODAVARTHI SRI PRATHUSHA	12MQ1A0468	Qualcomm India Pvt LTD	13/08/2017
26	KATTA SREELATHA	12MQ1A0474	Infosys	Ref :HRD/3t/16-17/11049743 03-06-2016
27	K R L PRASANNA	12MQ1A0475	Hyundai Motor Group	EMP ID:6010770
28	M.DURGA BHAVANI	12MQ1A0477	Featherlite	13/06/2016
29	MATURU BABY SAHITHI	12MQ1A0479	Dxcorr hardware technologies Pvt Ltd	1/31/2016
30	PURITIPATI SINDHU	12MQ1A0481	Citicorp Services India Private Limited	26/12/2016
31	SONTI NAGA SRUTHI	12MQ1A0483	IBM	29/09/2018
32	VADDI MADHURYA	12MQ1A0488	Pipal tree Enterprise	EMP CODE:22
33	AYANOLY SARATH	12MQ1A0490	GEP	G28941 TECHNOLOGY
34	BONDA LEELA SAI NAGA PRAVEEN	12MQ1A0491	Govt.of AP Commissionerate of Industries	EMP ID:96584
35	PAMARTHI ANKA NAGA RAJU	12MQ1A0499	Tech Mahindra	ID:592260
36	PARASA SRIKANTH	12MQ1A04A3	M+W High Tech Projects India Pvt Ltd	17/05/2018 EMP ID:2794
37	PASUMARTHY BHARGAVA TEJA	12MQ1A04A4	Rockwell Collins	26/12/2016
38	P A LAKSHMI PRIYA	13MQ5A0401	Lavis Engineering	1-11-2017

			India Pvt.Ltd	
39	SAMATAM PAVANI	13MQ5A0405	Accelfrontline Ltd	1/8/2016
40	SYKAM NAGAMALLESWARI	13MQ5A0406	QUESS	07/01/2018
41	VARTHA PANDU RANGA RAO	13MQ5A0413	PurpleTalk	4/12/2016
42	VUTUKURI ANEELA	13MQ5A0422	Cyient Ltd	21/08/2018

Program Name : EC & Assessment Year 2015-16 -Higher Studies

S.No	Student Name	Student ID / No.	University for Higher Studies	Course of study	Admitted Through
1	G V DURGA SINDHOORA	12MQ1A0409	GITAMS, HYD	M.Tech	PGECET
2	N N S HIMA BINDU	12MQ1A0420	GITAMS, VIZAG	M.Tech	PGECET
3	S RAJESWARI	12MQ1A0484	CRRCE, ELURU	M.Tech	PGECET
4	A N V DURGA SURENDRA	12MQ1A0489	DEAKIN UNIVERSITY, AUSTRALIA	MS	IELTS
5	JANNAVULA TARUN	12MQ1A0492	KLU	MBA	ICET
6	PAMARTHI RAVITEJA	12MQ1A04A2	AMRITHAUNIVERSITY, BENGLORE	M.Tech	PGECET

Table B.4.5a

4.6. Professional Activities (20)

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

Technical Events:

Academic Year 2018-19:

Sl. No.	Name of the Guest Lecture/Seminar/Workshop	Date	Resource Person
1	A three day training program on "Circuit Design & Analysis Using SPICE"	10/05/2018 to 12/05/2018	Ee Science & Technological Services, Pune
2	A one day Workshop on “Embedded System Design”	24/05/2018	Ee Science & Technological Services, Pune
3	A two-day Workshop on “PCB Design and Fabrication”	17/08/2018 to 18/08/2018	Mr. A. SUDHEER KUMAR CCS Solutions Pvt. Ltd., Hyderabad
4	Interactive session by Alumni	31/08/2018	G. Bhargav Sai CTS ,Software Engineer

5	Interactive session by Alumni	28/09/2018	B. Siva Teja C T S Software Engineer

Academic Year 2017-18:

Sl. No.	Name of the Guest Lecture/Seminar/Workshop	Date	Resource Person
1	A Paper Presentation on "OLED"	July, 2017	Ashok Kumar
2	A Paper Presentation on "LiFi"	July, 2017	Syed Sardar
3	Poster Presentation on "Tracking Board for unsafe act"	October, 2017	Ch. Kavya Sri
4	Poster Presentation on "DAK Net"	February, 2018	V. Jaya Sri
5	Project Expo	August, 2018	Prof. P Nageswararao,ECE Dept,MPES,Guntur
6	Project Expo	January, 2018	Prof.P Naganjeneyulu ECE Dept,SMCE Guntur.
7	A two day workshop on "IoT Botix"	29/12/2017 to 30/12/2017	Robotix Techno Crafts, Visakkapatnam
8	A two-day Workshop on "PCB Design and Fabrication"	17/07/2017 to 18/07/2017	Mr. A. SUDHEER KUMAR CCS Solutions Pvt. Ltd., Hyderabad
9	A Guest lecture on "Awareness Programme on ISRO"	March, 2017	Yalla Siva Prasad, Rtd. Scientist in Vikram Sara Bhai Space Center, Thiruvananthapuram
10	A Seminar on "e-Textiles"	December, 2017	K. Bala Vyshnavi
11	A Seminar on "Plant – e"	December, 2017	Pavan Kumar
12	Technical Quiz for III B.Tech ECE Students	September, 2017	K. Srinivasa Rao
13	Technical Quiz for II B.Tech ECE Students	August, 2017	Ch.L. Tanuja

Academic Year 2016-17:

Sl. No.	Name of the Guest Lecture/Seminar/Workshop	Date	Resource Person
1	A Guest Lecture on "Recent Trends in Nanotechnology"	20/09/2016	Dr.Subhash Thota, PDF, Assoc. Prof. in Physics, IIT Gowhathi
2	A Seminar on "Coin Based Mobile Charger Using Solar Panel and RFID"	29/10/2016	RAJA LALITHA SAI
3	A Seminar on "Paper Battery"	13/11/2016	POLAGANI TEJA SREE
4	A Workshop On "PCB Designing & Circuit Simulation Using Proteus"	23/12/2016 to 24/12/2016	Mr. A. SUDHEER KUMAR CCS Solutions Pvt. Ltd., Hyderabad
5	Technical Quiz for III B.Tech ECE Students	09/01/2017	K.Manisha
6	Technical Quiz for II B.Tech ECE Students	20/02/2017	SIDDIREDDY NAGA RAJU
7	A Poster Presentation on "Robotix"	25/07/2016	III B.Tech ECE & IV B.Tech ECE Students
8	Project Expo	August, 2016	III & IV B.Tech Students
9	Project Expo	September, 2016	III & IV B.Tech Students

Academic Year 2015-16:

Sl. No.	Name of the Guest Lecture/Seminar/Workshop	Date	Resource Person
1	A Guest Lecture on "Alien Vision"	07.01.2016	Mr. P.Phani Kumar, Manager (Development & Engineering), BEL, Machilipatnam
2	A Guest Lecture on "Exploring the EM Spectrum with Imaging Technology"	16.10.2015	SK. Khaja Rahiman, Deputy Manager (Development & Engineering), BEL, Machilipatnam
3	A work shop on "Fundamentals of Speech Processing and Its Applications using Matlab Toolbox"	19.12.2015	Y. Vishnu Srinivasa Murthy, Research Scholar, Department of CSE, NIT-Surathkal
4	A workshop on "Advanced Telecom Technologies"	04.02.2016 to 06.02.2016	BSNL, Vijayawada

5	An invited talk	05.03.2016	Mr. A. Leela Naga Mourya, Software Engineeer, Capgemini, Hyderabad
6	An invited talk	26.03.2016	Mr. S.S.K.Naga Raju, Software Engineeer, TCS, Hyderabad
7	A Seminar on “Prosthetic Devices”	28.02.2016	MADIVADA SRIANKA
8	A Seminar on “Non-Invasive Instruments ”	13.03.2016	K BHUVANA SAI CHANDU
9	A Poster Presentation on “Advanced Signal Processing”	11.07.2015	IV B.Tech ECE Students
10	Project Expo	August, 2015	Prof .V.S.R.Kumari,SMCE,Guntur
11	Project Expo	September, 2015	Prof M.V.Sudhakar,LBRCE

Technical Events:

A Workshop on PCB Design by G.Sudheer, CCS Pvt.Ltd., Hyderabad.

A Workshop on PCB Design by G.Sudheer, CCS Pvt.Ltd., Hyderabad.

	
Electrothon 2018 conducted by APITA organized by KLUniversity, Vijayawada.	A Work shop on iot conducted by Robotix Techno Crafts, Visakkapatnam

Technical Events:

	
A Workshop on PSPICE conducted by Dr.D.Durga Prasad EeSTS, Pune.	Invited talks by A.Anvitha

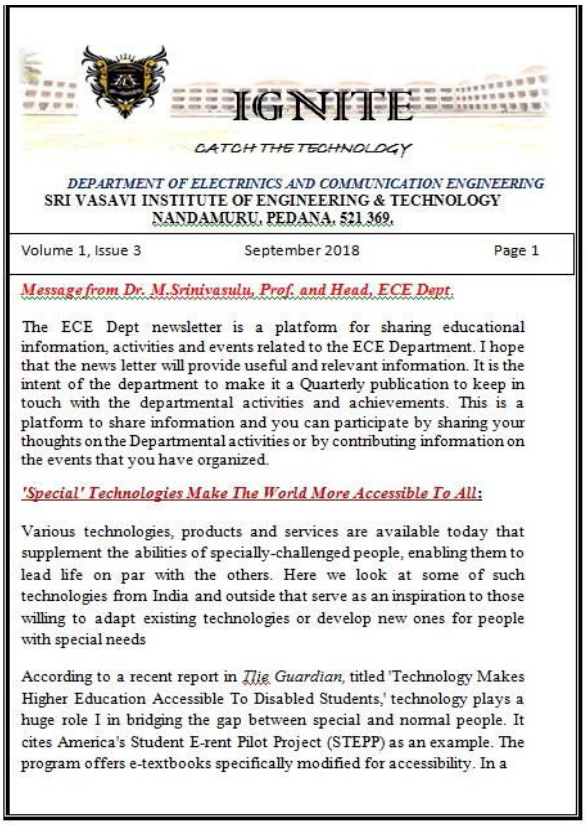
A Seminar on Awareness programme on ISRO by Sri. Y. Siva Prasad, Rtd. Scientist

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

A.Y	Name of the publication	Frequency	No of faculty and students involved/editorial board	Availability of the material
2018-19	Departmental Newsletter IGNITE	Quarterly	**Faculty** 1.Prof.M.srinivasulu 2.prof.S.koteswararao 3.Prof.G.S.V.N.V.Babu **Student** 1..K.Alekhya 2.K.Dhaneswari	Soft copy
2017-18	Departmental Newsletter IGNITE	Quarterly	**Faculty** 1.Prof.M.srinivasulu 2.prof.M.V.Bhavani Sankar 3.Prof.G.S.V.N.V.Babu **Student** 1.Ch. Lakshmi Thanuja 2. G. Dinesh	Soft copy
2016-17	Departmental Newsletter IGNITE	Quarterly	**Faculty** 1.Prof.M.srinivasulu 2. prof.M.V.Bhavani Sankar 3.Prof.G.S.V.N.V.Babu **Student** 1.D.Gayathri 2.Y.Keerthana	Soft copy

Dec-2018	College News Letter **VIBES**	Yearly	**Editor in chief:** **Dr. A.B. Srinivasarao,** M.E., M.I.S.T.E., Ph.D, Principal **Editor**: D. Adhitya, Assoc.Prof. & HOD (CSS) **Members:** Dr. M. Srinivasa Rao, Prof. & HOD (CSE) Dr. D. Raja Ramesh, Prof. & HOD (MECH) Dr. M. Srinivasulu, Prof. & HOD (ECE) V. Srinivas, Prof. & HOD (CE) B. Jyothilal Nayak Associate Prof.& HOD (EEE) P. Meher Kumar, Faculty In charge Admin	Hard Copy

Department News Letter:



IGNITE

CATCH THE TECHNOLOGY

DEPARTMENT OF ELECTRINICS AND COMMUNICATION ENGINEERING
SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
NANDAMURU, PEDANA, 521 369.

Volume 1, Issue 3 September 2018 Page 1

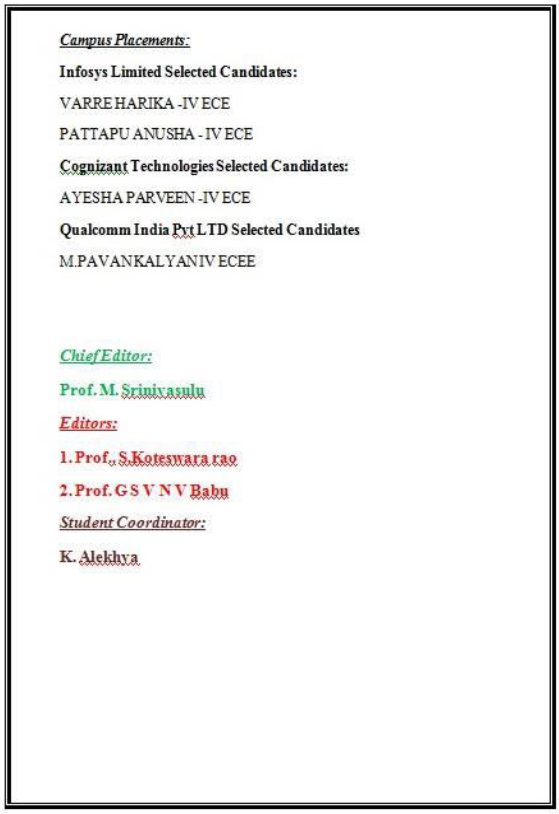
Message from Dr. M.Srinivasulu, Prof. and Head, ECE Dept.

The ECE Dept newsletter is a platform for sharing educational information, activities and events related to the ECE Department. I hope that the news letter will provide useful and relevant information. It is the intent of the department to make it a Quarterly publication to keep in touch with the departmental activities and achievements. This is a platform to share information and you can participate by sharing your thoughts on the Departmental activities or by contributing information on the events that you have organized.

'Special' Technologies Make The World More Accessible To All:

Various technologies, products and services are available today that supplement the abilities of specially-challenged people, enabling them to lead life on par with the others. Here we look at some of such technologies from India and outside that serve as an inspiration to those willing to adapt existing technologies or develop new ones for people with special needs

According to a recent report in *The Guardian*, titled 'Technology Makes Higher Education Accessible To Disabled Students,' technology plays a huge role I in bridging the gap between special and normal people. It cites America's Student E-rent Pilot Project (STEPP) as an example. The program offers e-textbooks specifically modified for accessibility. In a



Campus Placements:

Infosys Limited Selected Candidates:

VARRE HARIKA -IV ECE

PATTAPU ANUSHA - IV ECE

Cognizant Technologies Selected Candidates:

AYESHA PARVEEN -IV ECE

Qualcomm India Pvt LTD Selected Candidates

M.PAVANKALYANIV ECEE

Chief Editor:

Prof. M. Srinivasulu

Editors:

1. Prof. S.Koteswara rao

2. Prof. G S V N V Babu

Student Coordinator:

K. Alekhya

College News Letter:

VIBES

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada), (An ISO 9001:2008 Certified Institute)

NANDAMURU, Krishna Dist – 521 369. Ph : 08672 - 241387, www.sviet.edu.in

Volume : 4 | December - 2013 | Issue : 4

Chief Patron: G. Ramachandra Rao, Chairman

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Editor-in-Chief: Prof. K Ramesh M.E., Ph.D., Principal

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Chairman's Message

"Real Happiness Lies in Making Others Happy"

The VIBES has been continously updating various activities that have been taking place in the college. It is the team work of the Editorial board which is commendable.

It took nearly 25 years to fulfil my long cherished vision of establishing an engineering college in the service of the rural India. Providing quality education is a real challenge .Our main aim is to make SVIET one of the best among the engineering colleges by providing quality education. Mere degrees can not fetch one honor. But through a disciplined mindset and systematic approach one can get laurels from the society.

"Small aim is a crime" says Dr A.P.J. Abdul Kalam. Swamy Vivekananda says, "Arise, awake and stop not till the goal is reached." This, in short, is our philosophy "Aiming Higher, Dreaming Bigger, and Working Smarter" to achieve our goals.

Wishing everyone all the very best in all their endeavors.

With Blessings

Gudiwada Ramachandra Rao, Chairman

Secretary's Message

Spreading knowledge along with information about the achievements changes our outlook of the society. We have been bringing updated newsletter every year. The team has been doing remarkable job.

The answer for all our problems and the answer for all the problems of the world comes in a single word, Education! - education in the right sense and in the real sense. It broadens our hearts, enlightens our minds and brightens our lives. It is a progressive discovery of our own ignorance.

To smoothen the journey of the world,all the technical institutions have to strive hard to generate stalwarts. That is in the hands of the teaching community. With creative and innovative methods they have to widen the intellectual horizons of the students. Then only we can handover a better world to the next generation. The same spirit has driven us into the field of education. Iam so proud to say that every member in our SVIET family puts relentless efforts to materialize the motto of our institution : "Empowering minds to enrich the world.

I wish all those who read this the very best in their pursuits.

Tadepalli Meher Baba, Secretary

Chief Editor's Desk

Cordiality & belongingness among the individuals are some of the key words of success. Success comes from proper circulation of information from one to another. It also helps in igniting creativity, power to dream and vigor and thirst to realize the dreamt dreams.

This news letter VIBES surely achieves the coordination and responsibility towards each other. It is a snapshot of the various activities and advancements taking place at Sri Vasavi Institute of Engineering and Technology.

Proper communication plays a vital role in the development and prosperity of any institution. This newsletter will act as an appetizer which will serve to reinforce bonding, allow increased awareness, improved interaction and integration among all those associated with SVIET directly or indirectly. Human endeavors and human life is beset by so many problems - some real, some others presumed to be real- that we usually fail to appreciate the good deeds of many people and activities that happen around us as we are engaged in irrelevant talks and assumptions. It could all change if we just pause to think of what is our contribution to the society. The progress of the society mainly depends on many people who are working behind the scenes round the clock planning things to the minutest detail and leaving no stone unturned to make the vision into a reality. This news letter will be a medium to provide proper acknowledgement and respect all of these efforts and its results.

The college Newsletter will circulate all the activities done by the college. It also helps in building up teamwork which is very much needed today in the world of competition. It provides a platform for exposing the merits and academic achievements of the faculty and students. This enhances the documentation culture of the institute. This would definitely create an impact on the minds of readers, by way of providing larger visibility and dimension to the campus. It is expected that wide support for this mission will be provided through the reader's valuable suggestions and comments. This is only a small step towards a long and comprehensive journey towards achieving excellence in providing engineering education to the rural youth. Hope the reading of VIBES will be highly nostalgic. Happy Reading!

THE SAGA HAS STARTED ONCE AGAIN.... (PLACEMENTS - 2013-14)

Technosoft CORPORATION: T.KAVYASRI; AB PRASANA KUMAR

RGM: G. PHANI LAKSHMI; S. HIMA BINDU; V.KALYANI

CH. DEEPIKA; M.M.N. KUMAR; B.M. SIVA TEJA; A.ANAND KUMAR; J.AMARNATH; K .GANESH BABU; K. PRAMOD

Petrofac: C.V. MADHUKAR; S. GOVINDA RAJU; M. RAJANI; S.RAMU; K.N.V.K. HANUMA

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

(The Department shall provide a table indicating those publications, which received awards in the events/conferences organized by other institutes.)

Academic Year 2018-19:

Technical events attended by Students & prize won (if any) PRIZES WON

Sl. No.	Name of the Participant	Name of the Event	Date & Venue	Prize won (if any)
1	K.Alekya	Paper (E-Textiles)	01-12-2018 Bharath Institute of Engineering & technology, Hyd.	1st Prize
2	V.Jayasri			
3	V.Prasanthi	Project EXPO	04-01-2019 SRKR Bhimavaram.	1st Prize
4	B.Maheswari			
5	K.Dhaneswari	Poster (Brain Controlled Home Automation System)	Vikas College of Engineering & Technology	1st Prize
6	K.Dhaneswari	Paper (Gold Recovery from e-waste)	Vikas College of Engineering & Technology	2nd Prize

7	K.Alekhya	Poster I Prize (IoT Based Smart Vehicle System)	L.B.R. College of Engineering, Mylavaram	1st Prize
8	V.Jayasri			
9	P.Rishika	Poster	04.01.2019 Usha Rama College of Engineering and Technology	1st Prize
10	V Srujanasri	Paper	04.01.2019 Usha Rama College of Engineering and Technology	1st Prize
11	K Daneswari			
12	Tammana Naga Venkata Swathi	NPTEL, Digital Circuits	IIT, Kharghpur	Elite
13	Vannemreddy Jayasri	NPTEL, Digital Circuits	IIT, Kharghpur	Elite
14	Kollala Srinivasa Rao	NPTEL, Digital Circuits	IIT, Kharghpur	Elite
15	T Nagapoojitha	NPTEL, Digital Circuits	IIT, Kharghpur	Elite
16	Sindhupriya .Pachipulusu	NPTEL, Digital Circuits	IIT, Kharghpur	Elite
17	Mamidi Tejaswi	NPTEL, Digital Circuits	IIT, Kharghpur	Elite
18	Kondaveti Janani	NPTEL, Digital Circuits	IIT, Kharghpur	Elite
19	Borra Maheswari	NPTEL, Digital Circuits	IIT, Kharghpur	Elite

Academic Year 2017-18:

Technical events attended by Students & prize won (if any)

Sl. No.	Name of the Participant	Name of the Event	Date & Venue	Prize won (if any)
1	M. HarikaNagamani	"Electrothon"	March, 2018 Andhra Pradesh Information Technology Academy (APITA), Vijayawada	1st prize
2	U. Supriya			
3	G. BinduSai Surya Sri			
4	Ch. Lakshmi Thanuja			
5	B. Divya	Project Expo in "YUVAKERATALU – 2018"	January, 2018 Machilipatnam	participation
6	Hanusha			
7	Ch.Divya			
8	V.Lavanya			

Academic Year 2016-17:

Technical events attended by Students & prize won (if any)

Sl. No.	Name of the Participant	Name of the Event	Date & Venue	Prize won (if any)
1	A.Bharghavi	Paper Presentation	Sunflower engg college AUG 2016	participation
2	V.Naga rani			

3	M.Sai sahithi M.Anusha	Poster Presentation	Usha Rama College DEC2016	participation
4	M. Reethu naga sai prasanna	Ball following boat	Dec 2016	participation

Academic Year 2015-16:

Technical Events: (paper presentations, technical quiz, poster presentation etc.)

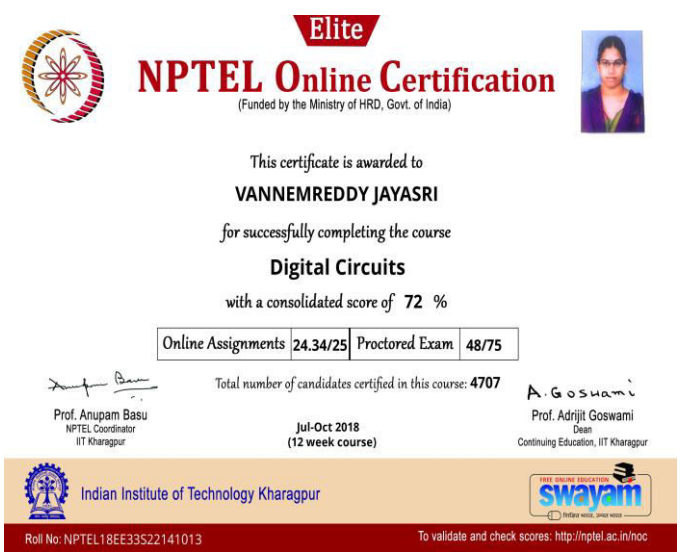
Sl. No.	Name of the Participant	Name of the Event	Date & Venue	Prize won (if any)
1.	Zareena	Poster Presentation	Vishnu Co-education College 28th , February 2016	FIRST
2	L.Sai Kumari	Poster Presentation	Shri Vishnu Engg. College for Women(Autonomous) Bhimavaram 8th,9th January 2016	SECOND
3	B.Pushpanjali			
4	M.Sai Nishitha	Poster Presentation	Usha Rama College 19th, February 2016	SECOND
5	J.Priyanka			
6	K.Manisha	Poster Presentation	GEG College 12th, February 2016	SECOND
7	N.Sai Sahithi			
8	K.L.Kavya	Paper Presentation	SUNFLOWER COLEEGE OF ENGG 25th, February 2016	SECOND

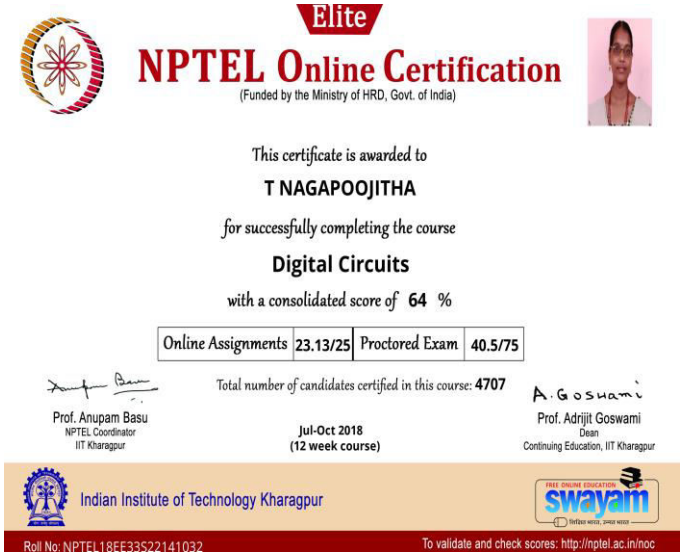
Academic Year 2018-19

Sl. No.	Name of the Participant	Name of the Event (Fest Name)	Date& Venue	Prize won (if any)
1	Mahesh Lakshmipuram	Three day National Level Workshop on "ROBOVERSITY	19th July, 2018 to 21st July, 2018 Usha Rama College Of Engineering And Technology, Vijayawada	-
2	P Meghana			
3	K Priyanka			
4	G Vyshnavi			
5	Md. Shabana			
6	S Madhavi			
7	D Prasanthi			
8	M L Amarnadh			
9	K.Dhaneswari	Poster	December, 2018 Dhanekula Vijayawada	-
10	M Tejaswi	Poster	L.B.R. College of Engineering, Mylavaram	-
11	P Asha			
12	N Tejaswi	Quiz	L.B.R. College of Engineering, Mylavaram	-
13	K Leela Kali Nagamani			
14	Matta Anusha	PPT	L.B.R. College of Engineering, Mylavaram	-
15	V Prasanthi			
16	S Bindu Anupama Madhavi	PPT	L.B.R. College of Engineering, Mylavaram	-
17	MATTA INDULATHA			
18	VALLABHU PRASANTHI	Project	L.B.R. College of Engineering, Mylavaram	-
19	PICHUKA			

	SUMALATHA			
20	SHABNAM SULTANA BEGUM	Interview (Cruiz)	L.B.R. College of Engineering, Mylavaram	-
21	P NAGA VENKATA LAKSHMI			
22	MATTA CHANDANA	Interview (Cruiz)	L.B.R. College of Engineering, Mylavaram	-
23	CH REVATHI PRASANNA LAKSHMI	PPT	L.B.R. College of Engineering, Mylavaram	-
24	G N RANI PRASANNA LAKSHMI			
25	K MALATHI SAI VARCHASWI	PPT	L.B.R. College of Engineering, Mylavaram	-
26	BANDI VANAJA SAI SRI ANJANI			

Student Participation





NPTEL Course on digital circuits conducted by IIT Khargpur

CRITERION 5	Faculty Information and Contributions	200

5. Faculty Information and Contributions (200):

2018-2019 Faculty list.

S.NO	Name of the Faculty Member	Qualification			Association with the Institution	Designation	Date on which designation as professor/Associate Professor	Date of Joining the Institution	Department	Specialization	Academic Research			Currently Associated(Y/N) Date of Leaving (In Case Currently Associated is ('No')	Nature of Association (Regular /Contract)
		Degree (Highest Degree)	University	Year of attending higher qualification							Research Paper Publications	Ph.D. Guidance	Faculty receiving Ph.D. during assessment Years		
1.	Dr. M.Srinivasulu	Ph.D	JNTUH	2016	Yes	Professor &HOD	9/5/2016	9/5/2016	ECE	Bio Medical Signal Processing	-	-	-	Yes	Regular
2.	Dr. Koteswararao Seelam	Ph.D	JNTUK	2017	Yes	Professor	27/8/2018	27/8/2018	ECE	Wireless Sensor Networks	1	-	-	Yes	Regular
3.	G.S.V.N.V.Babu	M.Tech.	JNTUK	2007	Yes	Professor	3/6/2013	2/6/2008	ECE	Instrumentation & Control Systems	-	-	-	Yes	Regular
4.	A.Chandra Suresh	M.Tech	JNTUK	2010	Yes	Associate Professor	3/6/2013	3/6/2013	ECE	Embedded Systems	-	-	-	Yes	Regular
5.	K.P.R.R.Raju	M.Tech., (Ph.D.)	SVNIT,NIT SURAT	2010	Yes	Associate Professor	3/3/2017	3/3/2017	ECE	Communication Systems	-	-	-	Yes	Regular
6.	P Annapurna	M.Tech	JNTUK	2014	Yes	Assistant Professor	-	10/6/2010	ECE	VLSI	-	-	-	Yes	Regular
7.	G.Sita Annapurna	M.Tech	JNTUK	2011	Yes	Assistant Professor	-	17/5/2011	ECE	Embedded Systems	-	-	-	Yes	Regular
8.	B.Phanindra Kumar	M.Tech	JNTUK	2014	Yes	Assistant Professor	-	17/5/2011	ECE	VLSI	-	-	-	Yes	Regular
9.	N.Chandra Sekhara Reddy	M.Tech	JNTUH	2012	Yes	Assistant Professor	-	1/6/2013	ECE	Embedded Systems	-	-	-	Yes	Regular
10.	D.V.Sridhar	M.Tech	JNTUK	2011	Yes	Assistant Professor	-	7/6/2013	ECE	DECS	-	-	-	Yes	Regular

11.	K.Sai Sudheer	M.Tech	JNTUK	2012	Yes	Assistant Professor	-	24/04/2015	ECE	VLSI	-	-	-	Yes	Regular
12.	K.Pithamber	M.Tech	JNTUH	2012	Yes	Assistant Professor	-	11/4/2015	ECE	VLSI	-	-	-	Yes	Regular
13.	A.Ravi Shankar	M.Tech	JNTUH	2012	Yes	Assistant Professor	-	4/6/2015	ECE	VLSI&SD	1	-	-	Yes	Regular
14.	J.Jaya Lakshmi	M.Tech	JNTUK	2015	Yes	Assistant Professor	-	10/8/2015	ECE	Embedded Systems	-	-	-	Yes	Regular
15.	K Swarajya Lakshmi	M.Tech	JNTUK	2012	Yes	Assistant Professor	-	29/09/2016	ECE	DECS	-	-	-	Yes	Regular
16.	K.Surendra	M.Tech	JNTUK	2016	Yes	Assistant Professor	-	1/5/2017	ECE	DECS	-	-	-	Yes	Regular
17.	S.Arjun Rao	M.Tech	JNTUK	2016	Yes	Assistant Professor	-	1/6/2017	ECE	DECS	-	-	-	Yes	Regular
18.	K Meena Anusha	M.Tech	JNTUK	2017	Yes	Assistant Professor	-	25/06/2016	ECE	DECS	-	-	-	Yes	Regular
19.	K Sateesh Kumar	M.Tech., (Ph.D.)	JNTUK	2014	Yes	Assistant Professor	-	4/6/2018	ECE	Communication Engineering and Signal Processing	-	-	-	Yes	Regular
20.	N Venu	M.Tech	JNTUK	2015	Yes	Assistant Professor	-	1/6/2018	ECE	VLSI SD	-	-	-	Yes	Regular
21.	B.Sujatha	M.Tech., (Ph.D.)	JNTUK	2012	Yes	Assistant Professor	-	13/6/2016	ECE	VLSI SD	-	-	-	Yes	Regular
22.	K G V Nageswara Rao	M.Tech	JNTUK	2015	Yes	Assistant Professor	-	20/5/2017	ECE	VLSI	-	-	-	Yes	Regular

2017-2018 Faculty list

S.NO	Name of the Faculty Member	Qualification			Association with the Institution	Designation	Date on which designation as professor/Associate Professor	Date of Joining the Institution	Department	Specialization	Academic Research			Currently Associated(Y/N) Date of Leaving (In Case Currently Associated is ('No')	Nature of Association (Regular /Contract)
		Degree (Highest Degree)	University	Year of attending higher qualification							Research Paper Publications	Ph.D. Guidance	Faculty receiving Ph.D. during assessment Years		
1.	Dr. M.Srinivasulu	Ph.D	JNTUH	2016	Yes	Professor &HOD	9/5/2016	9/5/2016	ECE	Bio Medical Signal Processing	3	-	-	Yes	Regular
2.	M V Bhavani Shankar	M.Tech	JNTUK	2002	Yes	Professor	11/6/2015	11/6/2015	ECE	ICS	-	-	-	No 4/6/2018	Regular
3.	G.S.V.N.V.Babu	M.Tech.	JNTUK	2007	Yes	Professor	3/6/2013	2/6/2008	ECE	Instrumentation & Control Systems	-	-	-	Yes	Regular
4.	Dr.P Rama Koteswara Rao	Ph.D	AU,VIZAG	2017	Yes	Professor	27/7/2017	22/04/2016	ECE	Instrument Technology	-	-	-	No 1/5/2018	Regular
5.	A.Chandra Suresh	M.Tech	JNTUK	2010	Yes	Associate Professor	3/6/2013	3/6/2013	ECE	Embedded Systems	1	-	-	Yes	Regular
6.	K.P.R.R.Raju	M.Tech., (Ph.D.)	SVNIT,NIT,SURAT	2010	Yes	Associate Professor	3/3/2017	3/3/2017	ECE	Communication Systems	1	-	-	Yes	Regular
7.	P Annapurna	M.Tech	JNTUK	2014	Yes	Assistant Professor	-	10/6/2010	ECE	VLSI	-	-	-	Yes	Regular
8.	G.Sita Annapurna	M.Tech	JNTUK	2011	Yes	Assistant Professor	-	17/5/2011	ECE	Embedded Systems	-	-	-	Yes	Regular
9.	B.Phanindra Kumar	M.Tech	JNTUK	2014	Yes	Assistant Professor	-	17/5/2011	ECE	VLSI	-	-	-	Yes	Regular
10.	N.Chandra Sekhara Reddy	M.Tech	JNTUH	2012	Yes	Assistant Professor	-	1/6/2013	ECE	Embedded Systems	-	-	-	Yes	Regular
11.	D.V.Sridhar	M.Tech	JNTUK	2011	Yes	Assistant Professor	-	7/6/2013	ECE	DECS	1	-	-	Yes	Regular
12.	K.Sai Sudheer	M.Tech	JNTUK	2012	Yes	Assistant Professor	-	24/04/2015	ECE	VLSI	-	-	-	Yes	Regular
13.	K.Pithamber	M.Tech	JNTUH	2012	Yes	Assistant Professor	-	11/4/2015	ECE	VLSI	1	-	-	Yes	Regular

14.	A.Ravi Shankar	M.Tech	JNTUH	2012	Yes	Assistant Professor	-	4/6/2015	ECE	VLSI&SD	2	-	-	Yes	Regular
15.	J.Jaya Lakshmi	M.Tech	JNTUK	2015	Yes	Assistant Professor	-	10/8/2015	ECE	Embedded Systems	-	-	-	Yes	Regular
16.	K Swarajya Lakshmi	M.Tech	JNTUK	2012	Yes	Assistant Professor	-	29/09/2016	ECE	DECS	-	-	-	Yes	Regular
17.	K.Surendra	M.Tech	JNTUK	2016	Yes	Assistant Professor	-	1/5/2017	ECE	DECS	1	-	-	Yes	Regular
18.	S.Arjun Rao	M.Tech	JNTUK	2016	Yes	Assistant Professor	-	1/6/2017	ECE	DECS	-	-	-	Yes	Regular
19.	K Meena Anusha	M.Tech	JNTUK	2017	Yes	Assistant Professor	-	25/06/2016	ECE	DECS	-	-	-	Yes	Regular
20.	B.Sujatha	M.Tech., (Ph.D.)	JNTUK	2012	Yes	Assistant Professor	-	13/6/2016	ECE	VLSI SD	-	-	-	Yes	Regular
21.	K G V Nageswara Rao	M.Tech	JNTUK	2015	Yes	Assistant Professor	-	20/5/2017	ECE	VLSI	-	-	-	Yes	Regular
22.	K Sowmya Sri	M.Tech	JNTUK	2015	Yes	Assistant Professor	-	5/5/2017	ECE	VLSI	-	-	-	No 5/5/2018	Regular

2016-2017 Faculty Lists

S. No.	Name of the Faculty Member	Qualification			Association with the Institution	Designation	Date on which designation as professor/Associate Professor	Date of Joining the Institution	Department	Specialization	Academic Research			Currently Associated(Y/N) Date of Leaving (In Case Currently Associated is ('No')	Nature of Association (Regular /Contract)
		Degree (Highest Degree)	University	Year of attending higher qualification							Research Paper Publications	Ph.D. Guidance	Faculty receiving Ph.D. during assessment Years		
1.	M.Srinivasulu	M.Tech	SVU,Tirupathi	2003	Yes	Professor & HOD	9/5/2016	9/5/2016	ECE	Communication Systems	-	-	Yes	Yes	Regular
2.	M V Bhavani Shankar	M.Tech	JNTUK	2002	Yes	Professor	11/6/2015	11/6/2015	ECE	ICS	-	-	-	Yes	Regular
3.	G.S.V.N.V.Babu	M.Tech.	JNTUK	2007	Yes	Professor	3/6/2013	2/6/2008	ECE	Instrumentation & Control Systems	-	-	-	Yes	Regular
4.	P Rama Koteswara Rao	M.Tech	JNTUK	2006	Yes	Associate Professor	22/4/2016	22/04/2016	ECE	Digital Systems and Computer Electronics	-	-	-	Yes	Regular
5.	A.Chandra Suresh	M.Tech	JNTUK	2010	Yes	Associate Professor	3/6/2013	3/6/2013	ECE	Embedded Systems	-	-	-	Yes	Regular
6.	K.Pithamber	M.Tech	JNTUH	2012	Yes	Assistant Professor	-	11/4/2015	ECE	VLSI	-	-	-	Yes	Regular
7.	J.Jaya Lakshmi	M.Tech	JNTUK	2015	Yes	Assistant Professor	-	10/8/2015	ECE	Embedded Systems	-	-	-	Yes	Regular
8.	A.Ravi Shankar	M.Tech	JNTUH	2012	Yes	Assistant Professor	-	4/6/2015	ECE	VLSI&SD	-	-	-	Yes	Regular
9.	K.Sai Sudheer	M.Tech	JNTUK	2012	Yes	Assistant Professor	-	24/04/2015	ECE	VLSI	-	-	-	Yes	Regular
10.	G.Sita Annapurna	M.Tech	JNTUK	2011	Yes	Assistant Professor	-	17/5/2011	ECE	Embedded Systems	1	-	-	Yes	Regular
11.	N.Chandra Sekhara Reddy	M.Tech	JNTUH	2012	Yes	Assistant Professor	-	1/6/2013	ECE	Embedded Systems	-	-	-	Yes	Regular
12.	D.V.Sridhar	M.Tech	JNTUK	2011	Yes	Assistant Professor	-	7/6/2013	ECE	DECS	-	-	-	Yes	Regular
13.	P Annapurna	M.Tech	JNTUK	2014	Yes	Assistant Professor	-	10/6/2010	ECE	VLSI	-	-	-	Yes	Regular

14.	K Raja Sekhar	M.Tech	JNTUK	2013	Yes	Assistant Professor	-	17/05/2011	ECE	Embedded Systems	-	-	-	No 12/5/2017	Regular
15.	B.Phanindra Kumar	M.Tech	JNTUK	2014	Yes	Assistant Professor	-	17/5/2011	ECE	VLSI	-	-	-	Yes	Regular
16.	Ch Janardhan	M.Tech	JNTUK	2013	Yes	Assistant Professor	-	01/06/2016	ECE	VLSI	-	-	-	No 01/05/2017	Regular
17.	B.Sujatha	M.Tech., (Ph.D.)	JNTUK	2012	Yes	Assistant Professor	-	13/6/2016	ECE	VLSI SD	-	-	-	Yes	Regular

5.1 Student- Faculty Ratio (SFR) (20)

(To be calculated at Department Level)

No. of UG Programs in the Department (n): 01

No. of PG Programs in the Department (m): 01

No. of Students in UG 2nd Year= u1

No. of Students in UG 3rd Year= u2

No. of Students in UG 4th Year= u3

No. of Students in PG 1st Year = **p1**

No. of Students in PG 2nd Year = **p2**

No. of Students = Sanctioned Intake +Actual Admitted lateral entry students

(The above data to be provided considering all the UG and PG programs of the department)

S = Number of Students in the Department = UG1+UG2+..+UGn+PG1+…PGm

F = Total Number of Faculty Members in the Department (excluding first year faculty)

Student Teacher Ratio (STR) = S / F

Year	**2018-19**	**2017-18**	**2016-17**
u1.1(II Yr)	144	137	144
u1.2(III Yr)	137	144	144
u1.3(IV Yr)	144	144	144
UG1	425	425	432
PG1	18	18	18
PG2	18	18	18
Total No. of Students in the Department **(S)**	36	36	36
Overall Total	461	461	468
No. of Faculty in the Department(F)	22	22	17
Student Faculty Ratio (SFR)	20.95	20.95	27.53
Average SFR	23.14		

Note: Minimum 75% should be Regular/ full time faculty and the remaining shall be Contractual Faculty/Adjunct Faculty/Resource persons from industry as per AICTE norms and standards.

The contractual faculty will be considered for assessment only if a faculty is drawing a salary as prescribed by the concerned State Government for the contractual faculty in the respective cadre and who have taught over consecutive 4 semesters. Marks to be given proportionally from a maximum of 25to a minimum of 10 for average SFR between 15:1 to 25:1, and zero for average SFR higher than 25:1.

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

	Total number of regular faculty in the department	Total number of contractual faculty in the department
2018-19	22	-
2017-18	22	-
2016-17	17	-

5.2 Faculty Cadre Proportion (25)

The reference Faculty cadre proportion is 1(F1):2(F2):6(F3)

F1: Number of Professors required = 1/9 x Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per 5.1

F2: Number of Associate Professors required=2/9xNumber of Faculty required to comply with 20:1Student-Faculty ratio based on no. of students (N) asper5.1

F3: Number of Assistant Professors required =6/9xNumber of Faculty required to comply with 20:1Student-Faculty ratio based on no. of students (N) as per 5.1

Year	**Professors**		**Associate Professors**		**Assistant Professors**	
	Required F1	Available	Required F2	Available	Required F3	Available
2018-2019	2.55	3	5.1	2	15.3	17
2017-2018	2.55	4	5.1	2	15.3	16
2016-2017	2.66	3	5.3	2	16	12
Average Numbers	RF1=2.58	AF1 = 3.33	RF2=5.16	AF2= 2	RF3=15.5	AF3= 15

Cadre Ratio Marks = [(AF1/RF1)+((AF2/RF2)*0.6)+((AF3/RF3)*0.4)]*125

= (3.33/2.58) + (2*0.6/5.16) + (15*0.4/15.5) = (1.29 + 0.23+ 0.38)
=1.9*12.5=23.75

- If AF1=AF2=0 then zero marks
- Maximum marks to be limited if it exceeds 25.

Example: Student No. = 180; Required number of Faculty: 12; RF1=1, RF2=2, and RF3=9

Case 1: AF1/RF1=1; AF2/RF2=1; AF3/RF3=1; Cadre proportion marks=(1.34+0.25+1.29)*12.5=36

Case 2: AF1/RF1=1; AF2/RF2=3/2; AF3/RF3=8/9; Cadre proportion marks=(+0.9+0.3)*12.5

=limited to 25

Case 3: AF1/RF1=0; AF2/RF2=1/2; AF3/RF3=11/9; Cadre proportion marks= (0+0.3+0.49)*12.5 = 9.87

5.3 Faculty Qualifications (25)

FQ=2.5x[(10X+4Y)/F)]where x is no.of regular faculty with Ph.D., Y is no. of regular faculty with M.Tech., F is no. of regular faculty required to comply 20:1 Faculty student ratio (no. of faculty and no. of students required are to be calculated as per 5.1)

Year	X	Y	F	FQ=2.5*[(10X+4Y)/F]
2018-2019	2	20	23	10.86
2017-2018	2	20	23	10.86
2016-2017	0	17	23	7.39
Average Assessment				9.7

5.4 Faculty Retention (25):

No. of regular faculty members 2016-17 =17 2017-18 =22 2018-19 =22

Item Retention of Faculty members joined before June 2015	Max Marks	2018-19	2017-18	2016-17
>=90% of required Faculty members retained during the period of assessment keeping 2014-15 as base year	25			
>=75% of required Faculty members retained during the period of assessment keeping 2014-15 as base year	20			
>=60% of required Faculty members retained during the period of assessment keeping 2014-15 as base year	15			
>=60% of required Faculty members retained during the period of assessment keeping 2014-15 as base year	10			

<50% of required Faculty members retained during the period of assessment keeping 2014-15 as base year	0	(7/22=31%)	(7/22=31%)	(8/17=47%)

Assessment=0

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

Innovations by the Faculty in teaching and learning shall be summarized as per the following description. Contributions to teaching and learning are activities that contribute to the improvement of student learning. These activities may include innovations not limited to, use of ICT, instruction delivery, instructional methods, assessment, evaluation and inclusive class rooms that lead to effective, efficient and engaging instruction.

Any contributions to teaching and learning should satisfy the following criteria:

The work must be made available on Institute website

The work must be available for peer review and critique

The work must be reproducible and developed further by other scholars

The department/institution may set up appropriate processes for making the contributions available to the public, getting them reviewed and for rewarding. These may typically include statement of clear goals, adequate preparation, use of appropriate methods, significance of results, effective presentation and reflective critique.

Name of the Faculty	Contributions to teaching and learning are activities that contribute to the improvement of student learning.		
Dr. M.SRINIVASULU	Animation	PPT	NPTEL Video
G.S.V.N.V.BABU	PPT	Talk & Chalk	NPTEL Video
Dr. S.KOTESWARA RAO	Animation	Video	Debate
A.CHANDRA SURESH	PPT	Animation	Board & Chalk
K.P.R.R.RAJU	PPT	Video	Seminar
P ANNAPURNA	Seminar	PPT	NPTEL Video
G.SITA ANNAPURNA	Talk & Chalk	PPT	NPTEL Video
B.PHANINDRA KUMAR	Buzz	Quiz	Debate
N.CHANDRA SEKHARA REDDY	Differentiation	Brain Storming	PPT
D.V.SRIDHAR	Seminar	Co-operative learning	NPTEL Video
K.SAI SUDHEER	Board & Chalk	Video	PPT
K.PITHAMBER	PPT	Discussion	Quiz

A.RAVI SHANKAR	Talk & Chalk	Visualization	Technology
J.JAYA LAKSHMI	Quiz	Seminar	PPT
K SWARAJYA LAKSHMI	Talk & Chalk	Differentiation	Technology
K.SURENDRA	PPT	Animation	Chalk & Board
S.ARJUN RAO	Buzz	Brain Storming	Pictorial
MEENA ANUSHA	Survey based assessment	Co-operative learning	Technology
N.VENU	PPT	Video	Animation
K.SATEESH KUMAR	PPT	Video	Quiz
K.G.V.NAGESWARA RAO	Buzz	Brain Storming	Pictorial
B.SUJATHA	Seminar	Technology	PPT

Innovations by the faculty in Teaching and Learning:

Use of modern teaching aids like LCD projectors, and Internet enabled computer systems are usually employed in classrooms and other student learning environments.

- Expert video subject lectures delivered by the various eminent resource persons are available in the digital library and it facilitates the faculty and students to utilize E-Tutorials of NPTEL, access E-Journals, Video Conference room, etc.
- Faculty members use digital library, MATLAB, Mentor Graphics and other Open Source tools to understand the course content.
- Developing Ways to enable our students to think across disciplinary boundaries and / or to make connections between what they learn inside as well as outside the classroom through various workshops and expert lectures.
- The faculty members are encouraged to participate in short term courses, webinar, faculty development programs and workshops on advanced topics to keep pace with the advanced level of knowledge and skills.
- The faculties have been participating/presenting papers in national/international conferences and publish their articles in national/international journals to enrich their knowledge.
- The Fast learners are chosen as team captains, and are asked to choose members for their teams from the slow learners group in the class. The team members are advised to have interactive approach for their studies. The performance of each team is assessed after the internal tests, and the top scoring teams are awarded with prizes.

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

A Faculty scores maximum five points for Participation in 2 to 5 days Faculty development program: 3 Points Participation>5 days Faculty development program: 5 points.

Name of the faculty	Max. 5 per Faculty		
	2018-19	2017-18	2016-17
Dr. M.SRINIVASULU	-	5	-
Dr. S.KOTESWARA RAO	5	3	-
G.S.V.N.V.BABU	-	-	-
A.CHANDRA SURESH	5	3	-
K.P.R.R.RAJU	5	5	-
P ANNAPURNA	5	-	-
G.SITA ANNAPURNA	5	3	-
B.PHANINDRA KUMAR	-	3	-
N.CHANDRA SEKHARA REDDY	5	3	-
D.V.SRIDHAR	5	3	-
K.SAI SUDHEER	5	5	-
K.PITHAMBER	5	3	-
A.RAVI SHANKAR	5	3	-
J.JAYA LAKSHMI	5	3	-
K SWARAJYA LAKSHMI	5	3	-
K.SURENDRA	5	3	-
S.ARJUN RAO	5	3	-
MEENA ANUSHA	5	3	-
N.VENU	5	3	-
K.SATEESH KUMAR	-	3	-
K.G.V.NAGESWARA RAO	5	3	
B.SUJATHA	5	-	-
Sum	80	61	-
RF= No. of Faculty required to comply with 20:1 student-faculty ratio as per 5.1	23	23	23
Assessment = 3x(Sum / 0.5RF) (Marks limited to 15)	22.61	15.91	-
Average Assessment over three years (Marks limited to 15)= 12.89			

Name of the faculty	Max. 5 per Faculty		
	2018-19	2017-18	2016-17
Dr. M.SRINIVASULU	-	5	-
Dr. S.KOTESWARA RAO	5	5	5
G.S.V.N.V.BABU	-	-	-
A.CHANDRA SURESH	5	5	5
K.P.R.R.RAJU	5	5	5
P ANNAPURNA	5	-	5
G.SITA ANNAPURNA	5	5	-
B.PHANINDRA KUMAR	-	5	5
N.CHANDRA SEKHARA	5	5	-

REDDY			
D.V.SRIDHAR	5	5	5
K.SAI SUDHEER	5	5	-
K.PITHAMBER	5	5	-
A.RAVI SHANKAR	5	5	5
J.JAYA LAKSHMI	5	5	-
K SWARAJYA LAKSHMI	5	5	5
K.SURENDRA	5	5	5
S.ARJUN RAO	5	5	5
MEENA ANUSHA	5	5	5
N.VENU	5	5	-
K.SATEESH KUMAR	-	5	-
K.G.V.NAGESWARA RAO	5	5	-
B.SUJATHA	5	-	-
Sum	80	75	5
RF= No. of Faculty required to comply with 20:1 student-faculty ratio as per 5.1	23	23	23
Assessment = 3x(Sum / 0.5RF) (Marks limited to 15)	22.61	19.56	1.28
Average Assessment over three years (Marks limited to 15)= 14.48			

Faculty Development Programmes attended during 2018-2019

Name of the Faculty	Program Name	Duration	Dates
Dr. Koteswararao Seelam	**NPTEL Faculty Development Program**	8 Weeks	Aug-Oct, 2018
G.S.V.N.V.Babu		8 Weeks	Aug-Oct, 2018
A.Chandra Suresh		8 Weeks	Aug-Oct, 2018
K.P.R.R.Raju		12 Weeks	Jul-Oct, 2018
P Annapurna		12 Weeks	Jul-Oct, 2018
G.Sita Annapurna		12 Weeks	Jul-Oct, 2018
N.Chandra Sekhara Reddy		12 Weeks	Jul-Oct, 2018
D.V.Sridhar		12 Weeks	Jul-Oct, 2018
K.Sai Sudheer		12 Weeks	Jul-Oct, 2018
K.Pithamber		12 Weeks	Jul-Oct, 2018
A.Ravi Shankar		12 Weeks	Jul-Oct, 2018
J.Jaya Lakshmi		12 Weeks	Jul-Oct, 2018
K Swarajya Lakshmi		12 Weeks	Jul-Oct, 2018
K.Surendra		12 Weeks	Jul-Oct, 2018
S.Arjun Rao		12 Weeks	Jul-Oct, 2018
K Meena Anusha		12 Weeks	Jul-Oct, 2018
N Venu		8 Weeks	Aug-Oct, 2018

K G V Nageswara Rao		12 Weeks	Jul-Oct, 2018

2017-2018 (Internal)

Name of the faculty	Name of the training	Duration	Dates
G.S.V.N.V.Babu	FDP on Internet of Things(IOT)	3 days	7th June- 9th June, 2018
A.Chandra Suresh			
K.P.R.R.Raju			
P Annapurna			
G.Sita Annapurna			
N.Chandra Sekhara Reddy			
D.V.Sridhar			
K.Sai Sudheer			
K.Pithamber			
A.Ravi Shankar			
J.Jaya Lakshmi			
K Swarajya Lakshmi			
K.Surendra			
S.Arjun Rao			
K Meena Anusha			
N Venu			
K G V Nageswara Rao			
B.Phanindra Kumar			

2017-2018 (External FDP programs attended)

Name of the Faculty	Name of the FDP	Duration	Venue
Dr. M. Srinivasulu	CMOS ANALOG IC DESIGN	13th- 18th Nov, 2017 (6 Days)	VRSEC, Vijayawada
K.P.R.R.Raju			
K.Sai Sudheer			

5.7 Research and Development (30)

5.7.1 Academic Research (10)

- Academic research includes research paper publications, Ph.D. guidance and faculty receiving Ph.D. during the assessment period.
- No. of Quality Publications in referred/SCI Journals, citations, books/book Chapters etc. (6)
- Ph. D guided / Ph. D awarded during the assessment period while working in the Institute (4)
  All relevant details shall be mentioned.

Name of the Faculty	Max. 5 per Faculty		
	2018-19	2017-18	2016-17
Dr. M.Srinivasulu	-	6	-
Dr. Koteswararao Seelam	6	6	6
G.S.V.N.V.Babu	-	-	-
A.Chandra Suresh	-	-	-
K.P.R.R.Raju	-	6	-
P Annapurna	6	6	-
G.Sita Annapurna	-	-	6
B.Phanindra Kumar	-	-	-
N.Chandra Sekhara Reddy	-	-	-
D.V.Sridhar	-	6	-
K.Sai Sudheer	-	-	-
K.Pithamber	-	6	-
A.Ravi Shankar	-	6	-
J.Jaya Lakshmi	-	-	-
K Swarajya Lakshmi	-	-	-
K.Surendra	-	6	-
S.Arjun Rao	-	-	-
K Meena Anusha	-	-	-
K Sateesh Kumar	6	-	-
N Venu	-	-	-
B.Sujatha	-	-	-
K G V Nageswara Rao	-	-	-
Sum	**18**	**48**	**12**

Faculty Publications during Assessment years :2018-19

S.No.	Name of the Faculty	Title of the paper	Name of the Journal/ Conference	Volume ,issue no& page no	ISSN Number and year of publication
1.	P. Annapurna	Design of conditional boosting flip-flop for ultra low power applications	IJMETMR	Vol. 5, issue, 8, Aug, 2018	2348-4845
2	K. Sateesh Kumar	De noising of Locally Received NOAA images for Remote Sensing Applications	IJFRSCE	Volume 4 Issue 12, Dec, 2018	2454-4248

3	K. Sateesh Kumar	Retinal Disease Detection And Classification Using Improved LBP Technique	SUSCOM-19 (Accepted for publication)	To be conducted during 27-28 Feb, 2019	-
4	Dr . Koteswarara o Seelam	A Novel Contention based protocol for Wireless Sensor network	ICICCT-2019	Jan, 2019	-

Faculty Publications during Assessment years: 2017-18:

S.No.	Name of the Faculty	Title of the paper	Name of the Journal/ Conference	Volume ,Issue no& page no	ISSN Number and year of publication
1.	KPRR RAJU	A Novel Method For Salient Image Enhancement	SPACES-2018	Jan, 2018	-
2.	A. Ravi Shankar	Biometric Licensing System for Driving To Avoid Unauthorized Driving	IJTSRD	Volume-1, Issue-6 (Sept.-Oct.-2017)	2456-6470
3.	A. Ravi Shankar	Prototype of Total Artificial Heart System	IJTRD	Volume-5, Issue-1,Feb., 2018	2394-9333
4.	A. Ravi Shankar	Design and implementation of embedded based optimal elevator control system	TRJ	Vol. 2, issue 5, Sep. 2016	2454-4930
5.	A. Chandra Suresh	Enhancing the isolation between Elements of UWB-MIMO Antennas	IOSR	Volume-12, Issue 5,(Sept.-Oct. 2017)	2278-8735
6.	D.V.Sridhar	Enhancing the isolation between Elements of UWB-MIMO Antennas	IOSR	Volume-12, Issue 5,(Sept.-Oct. 2017)	2278-8735
7.	Dr. M.Srinivasulu	Non-Parametric Compactness Evaluation for Colour Image Segmentation	AIJREAS	Vol. 2, Issue 10, Oct-2017	2455-6300
8.	Dr. M. Srinivasulu	ECG de-noising by using wavelet filter for heartbeat noise signals	AIJREAS	Vol. 2, Issue 10, Oct-2017	2455-6300
9.	Dr. M. Srinivasulu	Spatial and Temporal correlations for resolution	IJET	Vol. 3, issue 6, Nov-2017	2395-1303

		scanty MIMO-OFDM channel Estimation			
10.	K.Surendra	An Innovative Feature point Matching for Dynamic I.F.D	IJR	Volume-4, Issue-13,Oct., 2017	2348-6848
11.	K. Pithamber	ECG de-noising by using wavelet filter for heartbeat noise signals	AIJREAS	Vol. 2, Issue 10, Oct-2017	2455-6300
12.	Dr . Koteswararao Seelam	Performance Analysis of LEACH,COTS and MST algorithms in cluster formation with cluster head selection in wireless sensor networks	IJCSN	Volume 4, Issue 4, August 2015	2277-5420
13.	Dr . Koteswararao Seelam	Performance Evaluation of PEGASIS & LEACH Hierarchical Routing Protocols in Wireless Sensor Networks	ICIDSEM-18	2018	-
14.	Dr.Koteswararao Seelam	Performance Evaluation Of Optimized Hierarchical Routing Protocol for Wireless Sensor Network	ICIDSEM-18	2018	-
15.	Dr . Koteswararao Seelam	Evaluation of Channel Access Control (CAC) Protocols for Wireless Sensor Networks	INDIACom-2018	2018	-

Faculty Publications during Assessment years: 2016-17

S.No.	Name of the Faculty	Title of the paper	Name of the Journal/ Conference	Volume ,issue no& page no	ISSN Number and year of publication
1.	G. S. Annapurna	Framework design for tracking of objects by using wireless communication in an organization without human interaction	IJES& AT	Vol. 7, Issue 1	-
2.	Dr .S.Koteswararao	Implementation and Verification of low Latency and Low Power MAC Protocol for Wireless Sensor Networks,	IJMER	Vol. 6 Issue: 10 October 2016	2249–6645
3.	Dr.S .Koteswararao	Evaluation of Reactive Routing Protocols for	JEIT	Volume 6, Issue 4,	2277-3754

		Wireless Sensor Networks,		October 2016	
4.	Dr S.Koteswararao	Optimized Super Resolution Reconstruction Framework for Cardiac MRI Images Perception	IJCAT	VOL3 ISSUE10	2348-6090

Ph. D Completed faculty details (last 3 years):

S.No	Name of the faculty	Status of Ph.D		No. of Ph.D Guided
		Completed	In progress	
Academic Year 2017-18 : **2**				
1.	M. Srinivasulu	Completed	-	-
2.	P. Rama Koteswara Rao	Completed	-	-

Academic Year: 2017-2018

Faculty Name	Guide Name	University / Institute of registration	Date of Completion	Topic	Area of Research
P.Rama Koteswara Rao	Prof.Y.SRINIVASA RAO	Andhra University, Visakhapatanam	11/07/17	A Novel Approach for pitch and pitch strength based robust speaker recognition using various dimensionality reduction techniques and SVM algorithms	Signal Processing
M.Srinivasulu	Prof. K.CHENNA KESHAVA REDDY	Jntuh,Hyderabad	04/12/16	Automated Analysis of Multi channel ECG Signals	Signal Processing

Ph.D pursuing faculty details:

Faculty Name	Guide Name	University / Institute of registration	Year of Registration	Topic	Area of Research
K. Sateesh Kumar	Prof. G. Srinivasulu,	SVU, Tirupati	2015	Wavelet based Satellite Image Denoising for Remote Sensing Applications	Image Processing
K. P R R Raju	Prof. T Venkateswarlu,	SVU, Tirupati	2016	Sigma Delta ADC	VLSI

5.7.2 Sponsored Research (5)

Funded Research: **NIL**

(Provide a list with Project Title, Funding Agency, Amount and Duration)

Funding amount (Cumulative during the assessment years)

Amount > 20 Lacs – 5 Marks

Amount>=16 Lacs and <20 lacs – 4 Marks

Amount>=12 Lacs and <16 lacs – 3 Marks

Amount>=8 Lacs and <12 lacs – 2 Marks

Amount>=4 Lacs and <8 lacs – 1 Marks

Amount < 4 lacs – 0 Mark

Academic Year: 2017-18 : NIL

Academic Year: 2016-17 : NIL

Academic Year: 2015-16 : NIL

5.7.3 Development Activities (10)

Provide details

- Product Development:
- Research laboratories:
- Instructional materials:
- Working models/charts/monograms etc.:

Products Development:

Academic Year	Name of the faculty	Project Title	Development Activities	Amount (Rs)	Durations (Months)
2017-18	A Chandra Suresh	Mine Detection and debris Clearance UGV Robot	Working Model	15,000	6
2017-18	P Annapurna	Home Automation System using Face book Chat	Working Model	20,000	6
2017-18	A Chandra Suresh	Agriculture Robot	Working Model	12,000	5

Research Laboratories:

The Institute encourages student and Faculty members to involve in Research activities and also create the zeal among the students, faculty members for procuring latest equipment.Conceptual teaching along with Research and Development makes the Institute unique and provides an opportunity to produce competent and employable engineers with a broader outlook. SVIET has been exposing the students to the current technological and industrial trends.

Research activities in different fields are guided by the experts from Academic, Industry, and Research Institutions. Talks by such experts are also being arranged by respective Departments. The output from these developments is that, the in-house student projects are guided by the faculty, researchers and experts from industry. The faculty members are also trained in the current technological and research trends. Department of ECE has R&D Laboratory in the room number 008 and having 67.4Sq.m area with sophisticated facilities like Computers and Internet.

Facilities of the Cell :

1. Dedicated R&D AND CONSULTANCY ROOM (Ground Floor) with Air conditioning facility

2. Installed Core Software's like Mentor Graphics, Xilinxs, TMS320C6713 DSK KITS

3. Having a good Number of chairs and enough space to discuss / conduct the committee meetings

4. Fire extinguisher

Some of the Project models are displayed at R&D Lab :

Project Models :

Self Concealing Multipurpose UGV :

The main objective of this project is to establish a multi-purpose, multi-purpose defense system for the transportation of heavy loads in the army. This robot can be created using a low cost 8051 controller. This project uses Bluetooth and DTMF connections with the 8051-based microcomputer. We design robot engines with a heavy duty swab. Robot directions can be controlled by Android Mobile with the app. We can design this application according to our requirement. The robot can move accordingly the conditions are given by the application. This condition is received by Android using DTMF / Bluetooth. If the status created by the application is Forward, the robot will only move forward. While moving the robot, the video is captured continuously and sent to the main station (PC).According to these images we can change the direction of the robot. Not only sends video information it also digs for self consealiving. The advantage of this robot is to constantly capture information fields and send them to fields and load heavy loads.

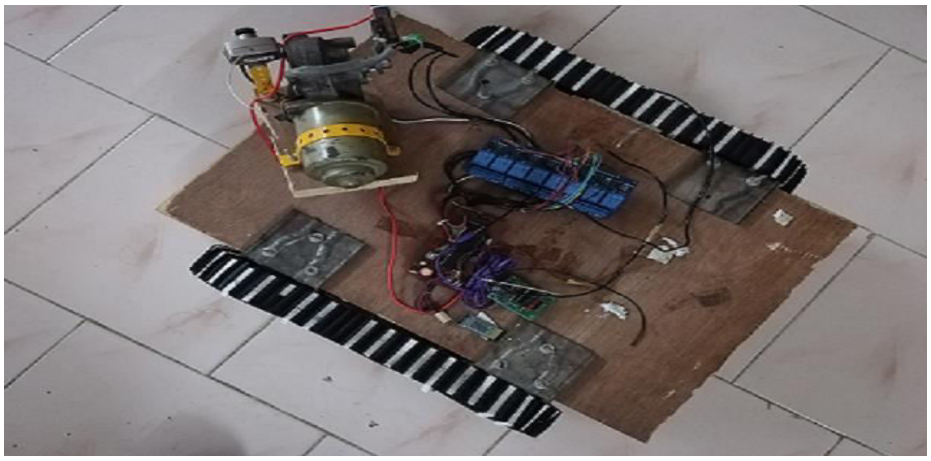


Fig .Self Concealing Multipurpose UGV

Home Automation System Using Face Book Chat :

The home environment has seen a rapid introduction to networked digital technology. This technology offers new and exciting opportunities. To increase the connection to devices at home for the purpose of home automation, and with the rapid expansion of the Internet, there is an additional possibility of remote control and control of these devices that support the network. However, the adoption of home automation systems was slow. This project identifies the reasons for this slow adopter assessment of Node MCU capabilities to address these problems by designing and implementing a flexible home automation architecture. Control of the device is a process carried out in the daily life of mankind. There are usually a number of home-related devices and effective monitoring of these systems is a daunting task. Mobile technology, which advances rapidly and reduces costs, enables the integration of mobile technology into home automation systems. The

system consists of the ESP 8266-12E Wi-Fi module, which each of my two categories needs to send SMS messages in a predefined format to control. Electrical appliances for home. Wi-Fi module used for wireless data transmission To control devices in your home or apartment, relays are connected to controlled electrical devices.

Agriculture Robot :

. The idea of applying robotics technology in agriculture is very new. In agriculture, opportunities for improved robot productivity are enormous - and robots are shown on farms in various forms and in increasing numbers. We can expect robots to perform agricultural operations independently such as dam, seed seeding, clay closing and water spraying, and cutting. Allow farmers to reduce environmental impact, increase accuracy, efficiency and manage individual plants in new ways. Robotics applications are deployed every day to cover other domains, providing the opportunity to replace human operators with effective return on investment solutions. This is the main sector in our India. Farmers in agriculture need different tools for cutting grass, digging soil, sowing, settling the soil, spraying fertilizers or water. To perform these operations takes a lot of time and requires high work. To overcome this we use a multipurpose agriculture robot. As one of the development trends on the automation and intelligence of agricultural machinery in the 21st century, all kinds of agricultural robots have been researched and developed for the implementation of a number of agricultural production in many countries. This robot can perform basic functions such as cutting, drilling, sowing, leveling and fertilizer workshops. It can perform various operations using this single robot. By giving commands via Bluetooth it will work. Here, Bluetooth is used as an RF connection between the robot and the controller. The robot's directions can be changed by giving commands through Bluetooth according to the degree that the Arduino's control unit has changed direction as well as its operations.

Fig. Agriculture Robot

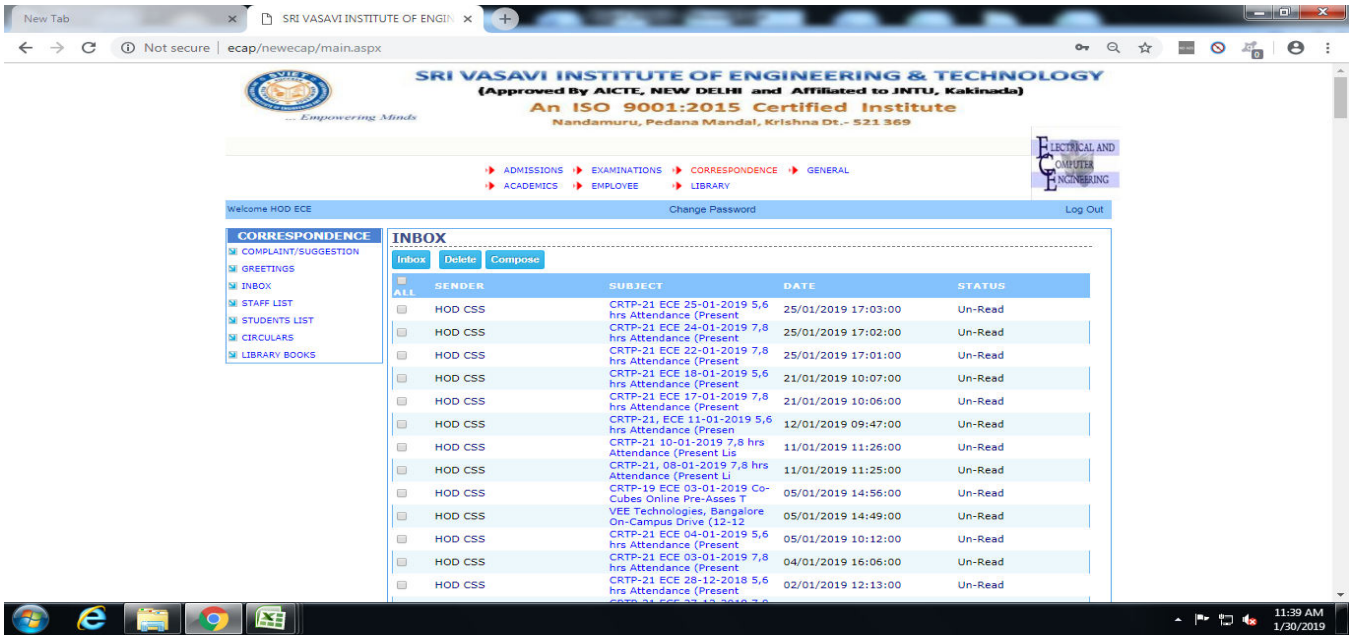
Instruction materials:

- SVIET Library is a resource centre for teaching, learning & research.
- Library has spread over enough seating capacity, state of art digital library, ELearning
- Centre, Video Conference Room, Online class room with recording facility,

- Students Discussion rooms, Faculty discussion room, and Books & Stationery shop are Available in the Ground Floor and Stack Area, Reference Section, Circulation Counter, OPAC
- Search, Journals/Magazines and Newspaper Section are made available in Lower Level of the library building.
- Library holds a hybrid collection of printed as well as electronic resources which include books, journals, databases, audio-visuals, CDs/DVDs, e-books, e-journals, reports, course materials; previous years' question papers, Bound Volumes, Project Reports, case studies, conference proceedings, training manuals, etc.
- As the e-journals access is IP based, the stakeholders can take benefit of this facility from anywhere in the campus at anytime.
- Currently the library holds over 21,161 books, 40 print journals, provides access to Electronic Resources, newspapers and business magazines, and multimedia resources.
- The class notes and resource material is also kept into database. The students can login and student can access these materials.
- Digital Library comprises of 30 computers with Internet facility.
- Free Book Bank facility for SC/ST students and book bank facility for open students at the Nominal cost is also provided to fulfill their academic needs.
- Reprography and printing facility is available in the college premises.
- Books are arranged subject wise and department wise and personal attention is given for fulfilling their library related needs.
- Open access facility is available. Library Staff motivate the students for open access to aware them about the latest arrivals.
- Separate Reference, Periodical, Circulation, Digital Library section and reading room facility is available in the Library.
- In addition to the central Library, each department has its own Departmental Library to facilitate easy access to the faculty, students and research scholars.

ECAP :

Engineering College Automation Package software, which aims at immediate availability of student academic subject related information and availability of data in required formats that ease the work of staff and management. Here Student can view and download the resources (E-books, Question banks) uploaded by the faculty. (http://ecap/newecap/main.aspx)


SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
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Nandamuru, Pedana Mandal, Krishna Dt.- 521 369
ADMISSIONS EXAMINATIONS CORRESPONDENCE GENERAL
ACADEMICS EMPLOYEE LIBRARY
Welcome HOD ECE
Change Password
Log Out
CORRESPONDENCE
COMPLAINT/SUGGESTION
GREETINGS
INBOX
STAFF LIST
STUDENTS LIST
CIRCULARS
LIBRARY BOOKS
INBOX
Inbox Delete Compose
ALL SENDER SUBJECT DATE STATUS
HOD CSS CRTP-21 ECE 25-01-2019 5,6 hrs Attendance (Present 25/01/2019 17:03:00 Un-Read
HOD CSS CRTP-21 ECE 24-01-2019 7,8 hrs Attendance (Present 25/01/2019 17:02:00 Un-Read
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HOD CSS CRTP-21 10-01-2019 7,8 hrs Attendance (Present Lis 11/01/2019 11:26:00 Un-Read
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HOD CSS VEE Technologies, Bangalore On-Campus Drive (12-12 05/01/2019 14:49:00 Un-Read
HOD CSS CRTP-21 ECE 04-01-2019 5,6 hrs Attendance (Present 05/01/2019 10:12:00 Un-Read
HOD CSS CRTP-21 ECE 03-01-2019 7,8 hrs Attendance (Present 04/01/2019 16:06:00 Un-Read
HOD CSS CRTP-21 ECE 28-12-2018 5,6 hrs Attendance (Present 02/01/2019 12:13:00 Un-Read
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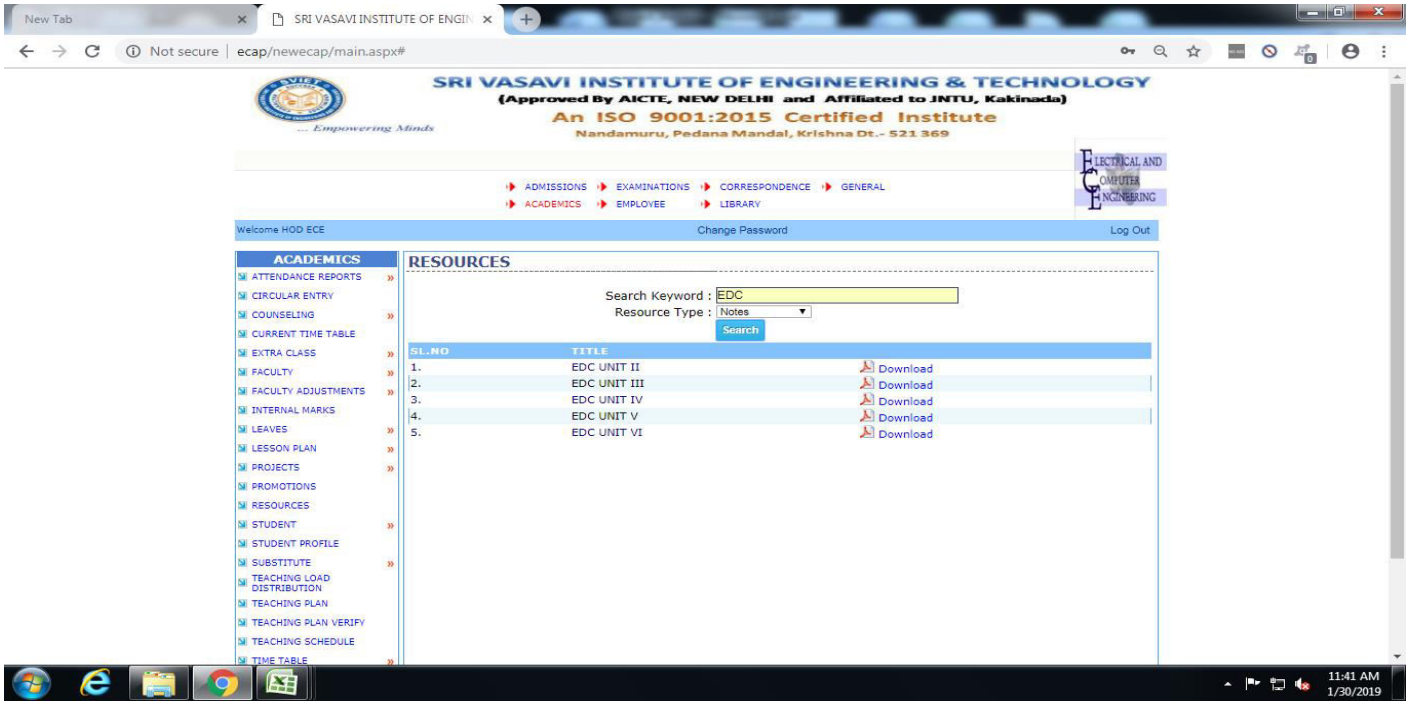
1/30/2019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Change Password
Log Out
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ATTENDANCE REPORTS
CIRCULAR ENTRY
COUNSELING
CURRENT TIME TABLE
EXTRA CLASS
FACULTY
FACULTY ADJUSTMENTS
INTERNAL MARKS
LEAVES
LESSON PLAN
PROJECTS
PROMOTIONS
RESOURCES
STUDENT
STUDENT PROFILE
SUBSTITUTE
TEACHING LOAD DISTRIBUTION
TEACHING PLAN
TEACHING PLAN VERIFY
TEACHING SCHEDULE
TIME TABLE
RESOURCES
Search Keyword : EDC
Resource Type : Notes
Search
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1. EDC UNIT II Download
2. EDC UNIT III Download
3. EDC UNIT IV Download
4. EDC UNIT V Download
5. EDC UNIT VI Download
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1/30/2019

Subjects handled by the faculty

Name of the Faculty	Name of the subject	Year-Sem	URL for material uploaded
Dr. M. Srinivasulu	Electronic Devices and Circuits, Pulse and Digital Circuits,Electronic Circuit Analysis	II- I,II-II,II -II	http://ecap/newecap/main.aspx\edc.pdf http://ecap/newecap/main.aspx\pdc.pdf http://ecap/newecap/main.aspx\eca.pdf
Dr. S. Koteswara Rao	Wireless communication Networks&Systems, Optical Communications, Cellular,Mobile Communications	IV- II,IV – I,IV- II	http://ecap/newecap/main.aspx\wsn.pdf http://ecap/newecap/main.aspx\oc.pdf http://ecap/newecap/main.aspx\cmc.pdf
Prof. G.S.V.N.V.Babu	Analog Communications, Digital Communications CellularMobile Communications	II- II,III-I,IV-II	http://ecap/newecap/main.aspx\ac.pdf http://ecap/newecap/main.aspx\dc.pdf http://ecap/newecap/main.aspx\cmc.pdf
Mr. A.Chandra Suresh	Micro Processor and Micro Controllers Analog IC Design System on Chip AntennaWave Propagation	III-II, IV-I,IV-II,III-I	http://ecap/newecap/main.aspx\mpmc.pdf http://ecap/newecap/main.aspx\aic.pdf http://ecap/newecap/main.aspx\soc.pdf http://ecap/newecap/main.aspx\awp.pdf
Mr. K.P.R.R.Raju	Control Systems Linear IC Applications ElectronicCircuit Analysis	II-II,III-I,II-II	http://ecap/newecap/main.aspx\cs.pdf http://ecap/newecap/main.aspx\lica.pdf http://ecap/newecap/main.aspx\eca.pdf
Mr. P Annapurna	Radar systems, Microwave Engineering Electromagnetic and Transmission Lines	IV-I,III-II,II-II	http://ecap/newecap/main.aspx\rs.pdf http://ecap/newecap/main.aspx\mwe.pdf http://ecap/newecap/main.aspx\emtl.pdf
Miss. G.Sita Annapurna	VLSI,Optical Communications Switching Theory and Logic Design	IV-I,IV-I,II-I	http://ecap/newecap/main.aspx\vlsi.pdf http://ecap/newecap/main.aspx\oc.pdf http://ecap/newecap/main.aspx\stld.pdf
Mr .B.Phanindra Kumar	Satellite Communications Radar Systems Micro Processor and Micro controllers	IV-II,IV-I,III-II	http://ecap/newecap/main.aspx\sc.pdf http://ecap/newecap/main.aspx\rs.pdf http://ecap/newecap/main.aspx\mpmc.pdf

Mr. N.Chandra Sekhara Reddy	Digital Communications,Optical Communications VLSI	III-I,IV-I,III-II	http://ecap/newecap/main.aspx\dc.pdf http://ecap/newecap/main.aspx\oc.pdf http://ecap/newecap/main.aspx\vlsi.pdf
Mr. D.V.Sridhar	Micro Processor and Micro Controllers Biomedical Engineering Computer Organization	III-II,IV-I,IV-I	http://ecap/newecap/main.aspx\mpmc.pdf ,http://ecap/newecap/main.aspx\bme.pdf http://ecap/newecap/main.aspx\cao.pdf
Mr. K.Sai Sudheer	Digital Signal Processing Signals and Systems Digital IC Applications	III-II II-I III-I	http://ecap/newecap/main.aspx\dsp.pdf http://ecap/newecap/main.aspx\ss.pdf http://ecap/newecap/main.aspx\dica.pdf
Mr. K.Pithamber	Signals and Systems Electromagnetic and Transmission Lines	II-I II-II	http://ecap/newecap/main.aspx\ss.pdf http://ecap/newecap/main.aspx\emtl.pdf
Mr. A.Ravi Shankar	Control Systems Random Variables and Stochastic Process Micro Processor and Micro Controllers	II-II II-I III-II	http://ecap/newecap/main.aspx\cs.pdf http://ecap/newecap/main.aspx\rvsp.pdf http://ecap/newecap/main.aspx\mpmc.pdf
Mrs. J.Jaya Lakshmi	Switching Theory and Logic Design,Electronic Measuring Instruments	III-II IV-II	http://ecap/newecap/main.aspx\stld.pdf http://ecap/newecap/main.aspx\emi.pdf
Mrs. K Swarajya Lakshmi	Analog Communications Digital Signal Processing VLSI	II-II III-II III-II	http://ecap/newecap/main.aspx\ac.pdf http://ecap/newecap/main.aspx\dsp.pdf http://ecap/newecap/main.aspx\vlsi.pdf
Mr. K.Surendra	Digital Communications Electronic Measuring Instruments Micro Processor and Micro Controllers	III-I IV-II III-II	http://ecap/newecap/main.aspx\dc.pdf http://ecap/newecap/main.aspx\emi.pdf http://ecap/newecap/main.aspx\mpmc.pdf
Mr. S.Arjun Rao	Micro Processor and Micro Controllers Computer Organization	III-II III-I	http://ecap/newecap/main.aspx\mpmc.pdf http://ecap/newecap/main.aspx\cao.pdf
Mr. K Meena Anusha	Pulse and Digital Circuits Micro Processor and	II-II	http://ecap/newecap/main.aspx\pdc.pdf

	Micro Controller Digital IC Applications	III-II III-II	http://ecap/newecap/main.aspx\mpmc.pdf http://ecap/newecap/main.aspx\dica.pdf
Mr. K Sateesh Kumar	Digital Image Processing Satellite Communications Analog Communications	IV-I IV-II II-II	http://ecap/newecap/main.aspx\dip.pdf http://ecap/newecap/main.aspx\sc.pdf http://ecap/newecap/main.aspx\ac.pdf
Mr. N Venu	Signals and Systems Digital signal Processing Switching theory and Logic Design	II-I III-II II-I	http://ecap/newecap/main.aspx\ss.pdf http://ecap/newecap/main.aspx\dsp.pdf http://ecap/newecap/main.aspx\stld.pdf
Mr. B.Sujatha	Pulse and Digital Circuit Electronic Devices and Circuit Digital Communications	II-II II-I III-I	http://ecap/newecap/main.aspx\pdc.pdf http://ecap/newecap/main.aspx\edc.pdf http://ecap/newecap/main.aspx\dc.pdf
Mr.K G V Nageswara Rao	Micro Processor And Micro Controllers Biomedical Engineering Digital Signal Processing	III-II IV-II III-II	http://ecap/newecap/main.aspx\mpmc.pdf http://ecap/newecap/main.aspx\bme.pdf http://ecap/newecap/main.aspx\dsp.pdf

Labs handled by the faculty

Mr. A.Chandra Suresh	Micro Processor and Micro Controllers Lab	III-II	http://ecap/newecap/main.aspx\mpmclab.pdf
Mr. K.P.R.R.Raju	VLSI Lab	III-II	http://ecap/newecap/main.aspx\vlsilab.pdf
Mrs. P Annapurna	DSP Lab	III-II	http://ecap/newecap/main.aspx\dsplab.pdf
Miss. G.Sita Annapurna	VLSI Lab	III-II	http://ecap/newecap/main.aspx\vlsilab.pdf
Mr. B.Phanindra Kumar	Analog Communications Lab Micro Wave engineering Lab	II-II IV-II	http://ecap/newecap/main.aspx\aclab.pdf http://ecap/newecap/main.aspx\mwelab.pdf
Mr. N.Chandra Sekhara Reddy	Micro Wave engineering Lab	IV-I	http://ecap/newecap/main.aspx\mwelab.pdf

	VLSI Lab	III-II	http://ecap/newecap/main.aspx\vlsilab.pdf
Mr. D.V.Sridhar	Micro Processor and Micro Controllers Lab	III-II	http://ecap/newecap/main.aspx\mpmclab.pdf
Mr. K.Sai Sudheer	Digital Signal Processing Lab VLSI Lab	III-II III-II	http://ecap/newecap/main.aspx\dsplab.pdf http://ecap/newecap/main.aspx\vlsilab.pdf
Mr. K.Pithamber	ECA Lab EDC lab	II-II II-I	http://ecap/newecap/main.aspx\ecalab.pdf http://ecap/newecap/main.aspx\edclab.pdf
Mr. A.Ravi Shankar	ECA Lab VLSI Lab	II-I III-II	http://ecap/newecap/main.aspx\ecalab.pdf http://ecap/newecap/main.aspx\vlsilab.pdf
Mrs. J.Jaya Lakshmi	Digital communications Lab	III-II	http://ecap/newecap/main.aspx\dclab.pdf
Mrs. K Swarajya Lakshmi	Analog Communications Lab	II-II	http://ecap/newecap/main.aspx\aclab.pdf
Mr.K.Surendra	ECA Lab Micro Processor and Micro Controllers Lab	II-II III-II	http://ecap/newecap/main.aspx\ecalab.pdf http://ecap/newecap/main.aspx\mpmclab.pdf
Mr. S.Arjun Rao	ECA Lab Micro Processor and Micro Controllers Lab	II-II III-II	http://ecap/newecap/main.aspx\ecalab.pdf http://ecap/newecap/main.aspx\mpmclab.pdf
Mrs. K Meena Anusha	Pulse and Digital Circuits Lab Micro Processor and Micro Controller Lab	III-I III-II	http://ecap/newecap/main.aspx\pdclab.pdf http://ecap/newecap/main.aspx\mpmclab.pdf
Mr.K Sateesh Kumar	Analog Communications Lab Pulse and Digital Circuits Lab	II-II III-I	http://ecap/newecap/main.aspx\aclab.pdf http://ecap/newecap/main.aspx\pdclab.pdf
Mr .N Venu	ECA Lab EDC Lab	II-II II-I	http://ecap/newecap/main.aspx\ecalab.pdf http://ecap/newecap/main.aspx\edclab.pdf

Mrs. B.Sujatha	Electronic Devices and Circuit Lab Digital Communications Lab	II-I III-II	http://ecap/newecap/main.aspx\edclab.pdf http://ecap/newecap/main.aspx\dclab.pdf
Mr. K G V Nageswara Rao	Micro Processor And Micro Controllers Lab Digital Signal Processing Lab	III-II III-II	http://ecap/newecap/main.aspx\mpmclab.pdf http://ecap/newecap/main.aspx\dsplab.pdf

5.7.4 Consultancy (from Industry) (5) : NIL

(Provide a list with Project Title, Funding agency, Amount and Duration)

Funding amount (Cumulative during the assessment years)

Amount > 10 Lacs – 5 Marks

Amount>=8 Lacs and <10 lacs– 4 Marks

Amount>=6 Lacs and <8 lacs– 3 Marks

Amount>=4 Lacs and <6 lacs– 2 Marks

Amount>=2 Lacs and <4 lacs– 1 Marks

Amount < 2 lacs – 0 Mark

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

Faculty members of Higher Educational Institutions today have to perform a variety of tasks pertaining to diverse roles. In addition to instruction, Faculty members need to innovate and conduct research for their self-renewal, keep abreast with changes in technology, and develop expertise for effective implementation of curricula. They are also expected to provide services to the industry and community for understanding and contributing to the solution of real life problems in industry. Another role relates to the shouldering of administrative responsibilities and cooperation with other Faculty, Heads-of-Departments and the Head of Institute. An effective performance appraisal system for Faculty is vital for optimizing the contribution of individual Faculty to institutional performance. The assessment is based on:

- A well-defined system for faculty appraisal for all the assessment years (10)
- Its implementation and effectiveness (20)

- The College/Department encourages a positive method in assisting faculty members to measure the strengths and weaknesses for the determination of maximizing performance and expanding professional growth.

- The performance appraisals are an inherent part of the process by which management can accomplish these objectives.

- The performance appraisals provide College management with information useful in merit salary determinations and at the same time, it offers opportunity for positive evaluation and discussion of employee weaknesses and strengths.

- The College/Department encourages faculty members, who are doing R&D projects and consultancy.

- The College/Department encourages faculty members, who are attending in the internal/national conference.

- The College/Department encourages faculty members, who are filing patent/copyrights by paying money toward expenditure of it.

- The College/Department encourages faculty members, who are member of professional societies such as ISTE, CSI etc. by paying membership amount.

- The Institution Management strives hard to promote professional development of faculty by encouraging them to attend general orientation courses, refresher Courses, training programs and workshops organized by the reputed Institutions/universities.

- Organizing national /international seminars/guest lecturers/ workshops/ conferences on crucial issues.

- Granting leave for attending state/national seminars/workshops/FDPs etc.

- Encouraging faculty to apply for research grants.

- The college/ department take feedback of the faculties from the students which are

used as evaluation in faculty appraisal.

- The minimum feedback for a faculty member from the students is 3.5 for 5 scale rating system. Any faculty who are scoring less than the institution standard, necessary corrective actions are followed.

- Necessary advice by the Head of the department about handling and monitoring the class to the faculty.

- Deputing faculty to the Faculty Development Program (FDP).

- Counseling the faculty through counselors about building confidence in handling the subjects.

- College/ management also rewards the best faculty on the following factors

    - Student's feedback.

    - The faculty's self-appraisal report.

    - HOD's evaluation.

    - The marks given by faculty appraisal committee, headed by principal.

    - The increments and promotions also add some effect to these scores.

    - If the faculty achieves 90% - 100%, an appreciation from the management will be awarded along with a monitory benefit of increment.

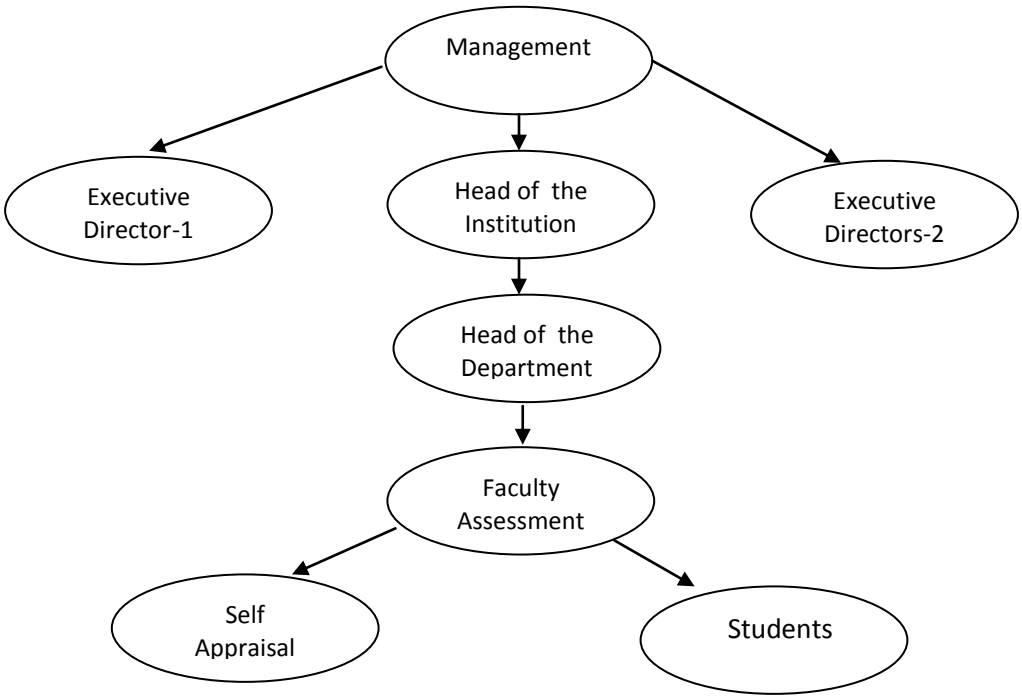

Fig 5.8.Faculty Assessments Process

5.8.1 A well-defined system for faculty appraisal for all the assessment years (10)

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Nandamuru, Pedana Mandal, Krishna Dist – 521369.

FACULTY SELF ASSESSMENT FOR THE ACADEMIC YEAR 2017-18

1. General Information:

(a) Name in full (in block letters) :

(b) Department :

2. Academic Qualifications:

Qualification	Year of passing	Institution
UG :		
PG :		
Ph.D :		

(a) Additional Qualifications / Fellowships/Memberships/certificate courses :

(b) Area of specialization, if any :

(c) Date of Joining :

(d) Present designation and date of Appointment to that designation :

3. Experience :

(a) Industrial experience if any :

(b) Teaching experience total :

Name of the college	From (Date/Month/Year)	To (Date/Month/Year)	Experience in years
SVIET			
Other Colleges			

4. Subjects Average Pass Percentage:

S. No	Subject Name	Year-Sem-Branch-Sec	No.of students appeared (A)	Passed (B)	Pass Percentage (B/A*100)	Average %	Self Assessment Marks
1							
2							
3							
4							
5						>= 90 - 20 >= 80&<90 -15 >=70&<80 -10 >=60&<70 - 5 <60 - 0	
6							
7							
8							

5. Average Academic Classes (Theory only) :

S. No	Subject Name	Year-Sem-Branch-Sec	No.of periods as per lesson plan (A)	No.of periods conducted (B)	Percentage of classes taken in allotted subjects (B/A*100)	Average %	Self Assessment Marks
1							
2							
3							
4							
5						>=100 - 20 >=95&<100 - 10 >=90&<95 - 5 < 90 - 0	
6							
7							
8							

6. Proctoring Students Average pass percentage:

S. No	No.of students allotted for proctoring	Year-Sem-Branch-Sec	No.of students eligible for end exams (A)	No.of students passed (B)	Pass percentage (B/A)*100	Average %	Self Assessment Marks
1							
2						>=70 - 10 >=65&<70 - 8 >=60&<65 - 6 >=55&<60 - 5 <55 - 0	
3							
4							

7. Proctoring Students Average Attendance percentage:

S. No	No.of students allotted for proctoring (A)	Year-Sem-Branch-Sec	Total Attendance (Add final attendance of all proctoring students (B)	Attendance Percentage (B/A)	Average %	Self Assessment Marks
1						
2					>=90 - 10	

3					>=85&<90 - 8 >=80&<85 - 6 >=75&80 - 5 <75 - 0
4					

8. Proctoring Students Average Value additions:

S. No	No.of students allotted for proctoring	Year-Sem-Branch-Sec	No.of students participated in Paper presentations/Posters presentations/Technical exhibitions etc outside the campus (A)	No.of students won prizes (B)	percentage (B/A)*100	Average %	Self Assessment Marks
1							
2						>=95& <100 - 20 >=90&<95 - 15 >=85&<90 - 10 >=80 &<85 – 5 >=75 &<80 – 2 < 75 - 0	
3							
4							

9. Student feedback: (Theory subjects only)

S. No	Year-Sem-Branch-Sec	Subject Name	No.of students	Percentage	Average %	Self Assessment Marks
1						
2						
3						
4						
5					>=90 &<100 - 20 >=85&<90 - 15 >=80&<85 - 10 >=75&80 - 5 <75 - 0	
6						
7						
8						

10. Research Publications and Academic Contributions [50M]

a) Incentives/Award/Reward (2M)
b) Member of external bodies (2M)
c) ISTE-Professional memberships (2M)
d) CSI/IETE/IE/IEEE or any other (2M)
e) FDP organized (2M)
f) Faculty Development programs attended/resource person(6 days every year) (2M)
g) Conferences/seminars/workshop organized (2M)
h) Conferences/seminars/workshop attended (4M)
i) Invited Lectures(Expert/conference/etc) (2M)
j) Responsibility in Committees (2M)
k) List of Projects guided; Cover/certificate Page (2M)
l) List of In-house R&D projects; documentation (2M)
m) List of Funded R&D projects; documentation (2M)
n) List of Consultancy activities; documentation (2M)
o) List of Instructional materials like course files, lab manuals; cover page (2M)
p) List of working models/Products developed/Incubation (2M)

q) Research Publications(paper/Poster/book/book chapters/citations/etc) (6M)
r) Ph.D enrolled (4M)
s) Ph.D awarded (2M)
t) Ph.D guided (4M)

11. Staff Appraisal – Points Earned:

Subjects Average Pass % (20M)	Average Academic Classes % (20M)	Proctoring Students Average pass % (10M)	Proctoring Students Average Value additions % (20M)	Proctoring Students Average Attendance % (10M)	Students feedback % (20M)	Research Publications and Academic Contributions (50M)		Total out of (150M)

12. Additional responsibilities in the Department / College:

S. No	Responsibility	Assigned by	Duration
1			
2			
3			
4			

Date: **Signature of Faculty**

marks of the HOD:

Signature

Remarks of the Principal:

Signature

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

Adjunct faculty also includes Industry experts. Provide details of participation and contributions in teaching and learning and /or research by visiting/adjunct/Emeritus faculty etc. for all the assessment years:

- Provision of inviting/having visiting/adjunct/emeritus faculty (1)
- Minimum 50 hours per year interaction with adjunct faculty from industry/retired professors etc.

(Minimum 50 hours interaction in a year will result in 3 marks for that year; 3 marks x 3 years = 9 marks)

Adjunct faculty also includes Industry Experts. Provide details of participation and contribution in teaching and learning and / or research by visiting / adjunct / Emeritus faculty etc. for all the assessment years:

Provision of inviting/ having visiting/ adjunct/ emeritus faculty (1)

Minimum 50 hours per year interaction with adjunct faculty from industry/ retired professors etc. (minimum 50 hours per year interaction in a year will result in 3 marks for that year; 3 marks * 3 years = 9 marks).

2018-19:

Sr. No	Name of the Resource Person	Organization of the Resource Person	Hours	Course	Year
1	T. Rama Das	Additional Divisional Engineer (Telecom Sector), APJENCO, New Palvancha	18	Digital Communications	III
2	P. Ananda Rao	Broadcast Engineer, Doordharshan, Hyderabad	16	Communications and Signal Processing	III,IV
3	Lavanya Pacha	Cognizant , Senior Software Engineer	20	Matlab Softwares	

2017-18:

Sr. No.	Name of the Resource Person	Organization of the Resource Person	Hours	Course	Year
1	Prof. Chenna Kesava Reddy	Professor (Retd.), JNTUH, Hyderabad	20	Communications and Signal Processing	III
2	P. Ananda Rao	Broadcast Engineer,Doordharshan, Hyderabad	16	Communications and Signal Processing	III,IV
3	P.Ramya Sree	Deloitte, Hyderabad	20	MentorGraphics Tool	

2016-17:

Sr. No.	Name of the Resource Person	Organization of the Resource Person	Hours	Course	Year
1	Mr . Subba Rao SDE	BSNL, Benz Circle Division, Vijayawada	28 hrs	Communications	IV
2	K. Rathna Kumar	BSNL, Vijayawada	26 hrs	Digital Communications	III Year

CRITERION 6	Facilities and Technical Support	80

6.1. FACILITIES AND TECHNICAL SUPPORT (80)

6.2. Adequate and well equipped laboratories, and technical manpower (30)

S. No.	Name of the Laboratory	No. of students per setup (Batch Size)	Name of the Important equipment	Weekly utilization status (all the courses for which the lab is utilized)	Technical Manpower support		
					Name of the Technical staff	Designation	Qualification
1	Microwave Engineering Lab	3	1.Cathode Ray Oscilloscope (0-30) MHz 2.Fiber Optic Analog Link 3.Fiber Optic Digital Link 4.Fiber Optic Laser Link Kit 5.Klystron Microwave Bench	33.3%	U.Saketh	Lab Technician	DECE
2	Communication Lab	3	1. 1 GHz Spectrum Analyser 2.70 Hz DSO 3.Cathode Ray Oscilloscope (0-30) MHz 4.RF Signal Generator 5.DPCM Kit 6.Companding Kit	50%	A.Vijaya Durga	Lab Technician	B.Tech
3	Electronic Devices & Circuits lab	3	1.CRO (0-30)M Hz 2.5KVA servo stabilizer 3.Analog and Digital IC Tester	54.1%	P. Meera Prasad	Lab Technician	DECE

4	Microprocessor & Microcontrollers/ Simulation lab	1	1. Systems : 36 2. Configuration : Windows 7 Professional 3. Processor : Intel pentimum Dual Core(CPU),G640/processor 2.8GHz 4. Installed memory (RAM): 2GB DDR3 5. System type : 64-bit Operating System 6. 8086 Microprocessor Trainer Kit (LCD version) 7. 8051 Microcontroller trainer kit ESA-51E 8. UPS system : 10KVA 9. Nexys 4DDR FPGA Boards 10. Bays 3 Development Kit 11. Zybo Board 12. ARM Evalution board LPC214X series 13. PIC Evalution trainer Kit 16F877 14. DSP Starter Kit(TMS320C6713) 15. MATLAB 8.5 a. Simulink 8.5 b. Signal Processing Toolbox 7.0 c. Communication System Toolbox 6.0 d. Image Processing Toolbox 9.2 e. Control system Toolbox 9.9 16. Multisim software 14.1	75%	T.Nalini Priya	Lab Technician	MCA

5	Project Lab	4	1. Zenith Primium PCs Intel pentimum Dual Core(CPU), G640/processor 2.8GHz,3MB/4GB DDR3/320GB SATA-II/10//100/1000LAN/USM (5) 2. NS2 3. Xilinx 4. Mentor Graphics 5. GNU Octave 6. DSP Kits TMS320C6713 7. ARM Debugger 8. Fire bird V Robot 9. ATMEGA2560 Debugger 10. MATLAB 8.5 a. Simulink 8.5 b. Signal Processing Toolbox 7.0 c. Communication System Toolbox 6.0 d. Image Processing Toolbox 9.2. e. Control system Toolbox 9.9 11. LCD Projector		P. Meera Prasad	Lab Technician	DECE

Table B.6.1

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

S.No	Facility Name	Details	Reason(s) for creating facility	Utilization	Areas in which students are expected to have enhanced learning	Relevance to POs/PSOs
1	Horn antenna	10/15/20dB gain	To perform impedance measurement &Impedance matching in Microwave Engineering	Third and Final year students	Micro wave Engineering, Antennas Wave Propagation.	PO1, PO3,PO4, PO12,PSO1,
2	ASK kit	1. Built in fixed power supplies of +12v,-12v, +5v, -5v. 2. 8038 IC is used as carrier generator and 7490 IC is used as data generator. 3. 4051 IC, 324 IC are used in modulator circuit.	To transmit Digital Morse code from one point to another point	Third year students	Digital Communications	PO1,PO2, PO3,PO5, PO12,PSO1,
3	Digital Phase Detector	1. 74HC86 IC is used in Phase detector. 2. Supply voltage range—4.75V to 5.25V 3. Output current range -- -0.4 to 80mA 4. 741 IC is used in amplifier.	To study and measure the phase difference	Second year students	Analog Communications	PO1,PO2,PO3,PO5,PO9,PO12,PSO1,PSO3

4	Synchronous Detector	1. Built-in RF Generator of 100KHz to 500KHz. 2. Built-in AF Generator of 1Hz to 1KHz. 3. MC 1496 IC is used in balance modulator,Synchronous detector.	To demonstrate Amplitude Demodulation Process	Second year students	Analog Communications	PO1,PO2,PO3,PO5,PO9,PO12,PSO1,PSO3
5	DSB/SSB System modulation & Demodulation	1. Built-in RF Generator of 100KHz to 500KHz Phase shift 90^0 is available. 2. RF Generator and 0^0 phase shift. 3. 1495 IC is used in balance modulator and SSB demodulator.	To study SSB modulation and Demodulation	Second year students	Analog Communications	PO1,PO2,PO3,PO5,PO9,PO12,PSO1,PSO3
6	Analog and Digital IC Tester	1.16x2 baclit Alphanumeric LCD 2. Digital ICs 14,16,20,24,28 & 40 pin DIP analog/linear ICs 6,8,14,16 & 20pin DIP	To Test various and Digital ICs	All students	Analog IC Applications, Digital IC applications	PO1,PO2,PO3,PO12,PSO1

7	ARM Microcontroller Training Kit LPC 214X Series	1.Microcontroller: LPC2148 with 512K on chip memory 2. Crystal for LPC2148: 12MHz 3. Crystal for RTC: 32.768KHz	1. To create awareness to ARM Microcontroller Programming 2. To write the Assembly language/Embedded C Programs	Third and Final year students	Microcontrollers, Projects on Embedded systems	PO1,PO5,PO9,PO10,PO12,PSO2,PSO3
8	PIC Microcontroller Trainer Kit PIC 16F877	1. PIC16F877A MCU clocked at 4 MHz 2. On platform programmer	1. To create awareness to ARM Microcontroller Programming 2. To write the Assembly language/Embedded C Programs	Third and Final year students	Microcontrollers, Projects on Embedded systems	PO1,PO5,PO9,PO10,PO12,PSO2,PSO3
9	ARM DEBUGGER	1. It supports 6 hardware break points 2.SPI/Quad SPI/Parallel External flash programming	1. To create awareness to ARM Microcontroller Programming 2. To write the Assembly language/Embedded C Programs	Third and Final year students	Microcontrollers, Projects on Embedded systems	PO1,PO5,PO9,PO10,PO12,PSO2,PSO3
10	Fire bird V Robot	1.Atmel ATMEGA2560 as Master microcontroller 2.Atmel ATMEGA8 as Slave microcontroller	1. Ideal for doing research in the areas of robotics, embedded systems, artificial intelligence and sensor networks	Third and Final year students	Covers wide range of subjects like Microcontrollers, Embedded Systems, Mechatronics, Sensor Networks, Image processing.	PO1,PO5,PO9,PO10,PO12,PSO2,PSO3

		3.2 x 16 Characters LCD 4.Indicator LEDs 5.Buzzer	etc.			
11	ATMEGA2560 Debugger	**Communication** 1.Wireless ZigBee Communication (2.4GHZ) 2.USB Communication 3.Wired RS232 (serial) communication 4.Simplex infrared communication (From infrared remote to robot) **Dimensions** Diameter: 16cm Height: 10cm Weight: 1300gms	1. Hands-on learning platform 2. To write the Assembly language/Embedded C Programs	Third and Final year students	Covers wide range of subjects like Microcontrollers, Embedded Systems, Mechatronics, Sensor Networks, Image processing.	PO1,PO5,PO9,PO10,PO12,PSO2,PSO3
12	Radiation Pattern of an Antenna	Radiation pattern measurement	To study and generate the various radiation patterns of an antenna	Third and Final year students	Antennas and Wave propagation and Microwave Engineering	PO1,PO2,PO3,PSO1,PSO3

Table B.6.2

6.3 Laboratories: Maintenance and overall ambiance (10)

Maintenance:

1. Regular inspection of equipment is carried out at the end of each day by the technical staff of the laboratory.
2. Preventive maintenance is performed to reduce the possibility of collapse.
3. The fault record is maintained in laboratories.
4. According to the requirements minor repairs are made by the technical staff of the laboratory.
5. Major reforms are outsourced.

Ambiance:

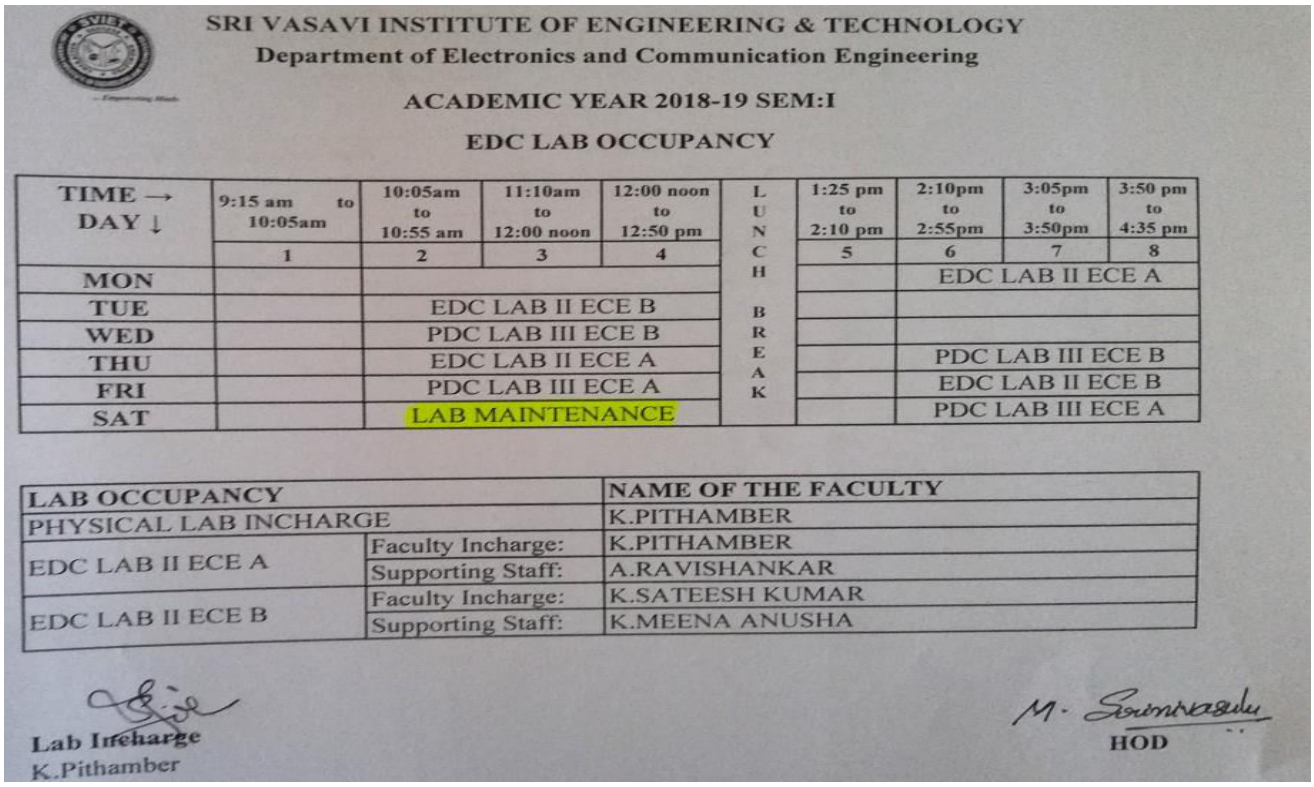
1. Department has Full furnished State of Art laboratories with well equipped equipments which shall cater to all UG and PG courses as per curriculum requirements.
2. Conditions of chairs/benches are in good condition. Chair with desk are provided for individual students in Labs.
3. Department has experienced faculty to educate them in all the fields of engineering.
4. All the labs are conducted and evaluated every week. As per the university curriculum..
5. Labs are equipped with sufficient hardware and licensed software to run program specific curriculum and off program curriculum.
6. Laboratory manual are distributed to students.
7. A sufficient number of windows are available for ventilation and natural light and each laboratory has one exit.
8. The lighting system is very effective, along with natural light in every corner of the rooms.
9. Exclusively, a project lab was provided to the students to carry out their small and large works.
10. Each laboratory is equipped with white / black color

Overall Laboratory ambience:

Microwave Engineering Lab	Communication Lab
	

Electronic Devices & Circuits Lab	Microprocessor & Microcontrollers / Simulation Lab
	

Lab occupancy with maintenance slot:



SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
Department of Electronics and Communication Engineering

ACADEMIC YEAR 2018-19 SEM:I

EDC LAB OCCUPANCY

TIME → DAY ↓	9:15 am to 10:05am	10:05am to 10:55 am	11:10am to 12:00 noon	12:00 noon to 12:50 pm	LUNCH BREAK	1:25 pm to 2:10 pm	2:10pm to 2:55pm	3:05pm to 3:50pm	3:50 pm to 4:35 pm
	1	2	3	4		5	6	7	8
MON							EDC LAB II ECE A		
TUE		EDC LAB II ECE B							
WED		PDC LAB III ECE B							
THU		EDC LAB II ECE A					PDC LAB III ECE B		
FRI		PDC LAB III ECE A					EDC LAB II ECE B		
SAT		LAB MAINTENANCE					PDC LAB III ECE A		

LAB OCCUPANCY		NAME OF THE FACULTY
PHYSICAL LAB INCHARGE		K.PITHAMBER
EDC LAB II ECE A	Faculty Incharge:	K.PITHAMBER
	Supporting Staff:	A.RAVISHANKAR
EDC LAB II ECE B	Faculty Incharge:	K.SATEESH KUMAR
	Supporting Staff:	K.MEENA ANUSHA

Lab Incharge
K.Pithamber

HOD

Lab Details:

S.No	Name of the lab	Area in Sq.m
1	Microwave Engineering	94.2
2	Communication	96.619
3	Electronic Devices & Circuits	96.619
4	Microprocessor & Microcontrollers/Simulation	94.2
5	Project Lab	67.4

6.4 Project laboratory (Mention facilities & Utilization) (5)

1. The department is equipped with a 67.4 square meter laboratory.
2. The student project forms are displayed in the project laboratory.
3. Good air conditioning facility & having a good number of chairs and enough space to discuss / make meetings

Utilization:

Students: Final year students analyze requirement, design software, implement, run, test

Faculty: Faculty members implement their research works in this lab.

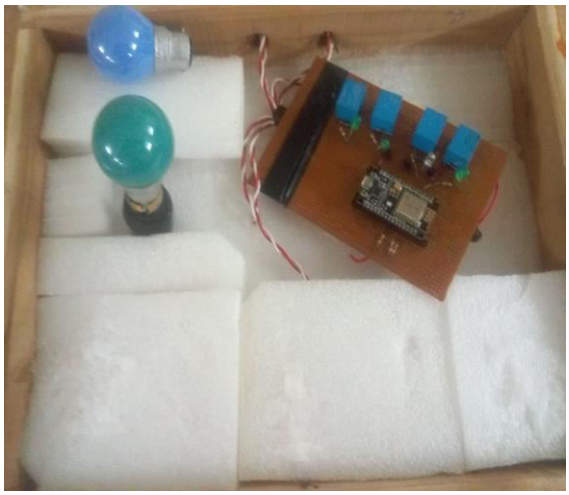
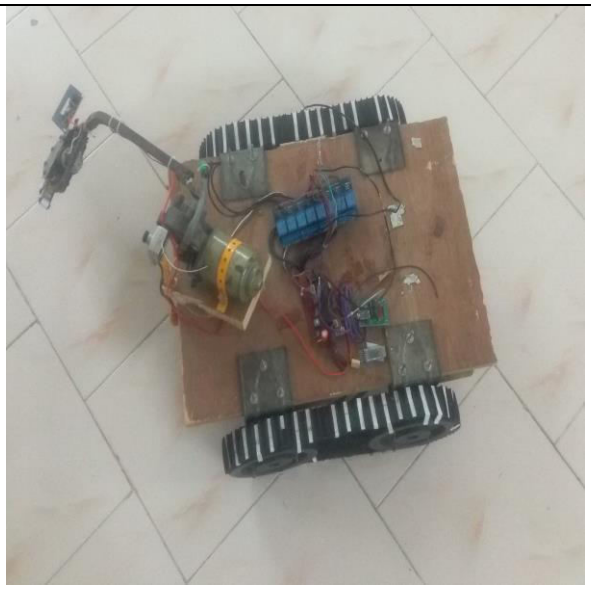
Students: Final year students analyze requirements, design programs, implement, run, test

Faculty Members: Faculty members carry out their research work in this laboratory.

List of Major Project done in this lab:

Sl.No	Roll.No	Name Of The Guide	Title of the Project
1	15MQ5A0415	A. Chandra Suresh	Mine Detection and Debris Clearance Robot
	14MQ1A0479		
	14MQ1A0466		
	14MQ1A0463		
	14MQ1A0459		
2	14MQ1A0453	A. Chandra Suresh	Self Concealing Multipurpose UGV
	14MQ1A0469		
	14MQ1A0440		
	14MQ1A0456		
	14MQ1A0413		
3	14MQ1A0422	A. Chandra Suresh	Agriculture Robot
	15MQ5A0406		
	14MQ1A0440		
	15MQ1A0449		
4	14MQ1A0422	A. Chandra Suresh	Mosquito Repeller
	15MQ5A0406		
	14MQ1A0440		
	15MQ1A0449		
5	15MQ5A0418	P.Annapurna	Home Automation Using Facebook Chat
	15MQ5A0433		
	15MQ5A0421		
	15MQ5A0431		
	15MQ5A0430		
	15MQ5A0434		

Photos:

	
Self Concealing Multipurpose UGV	Agriculture Robot
	
Home Automation Using Facebook Chat	Mine Detection and Debris Clearance Robot

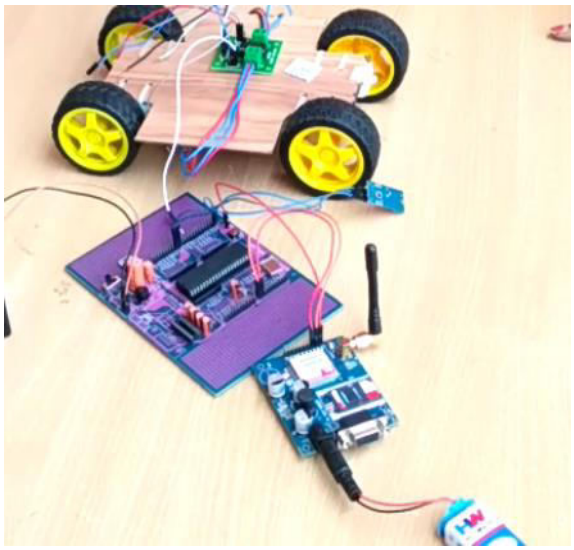
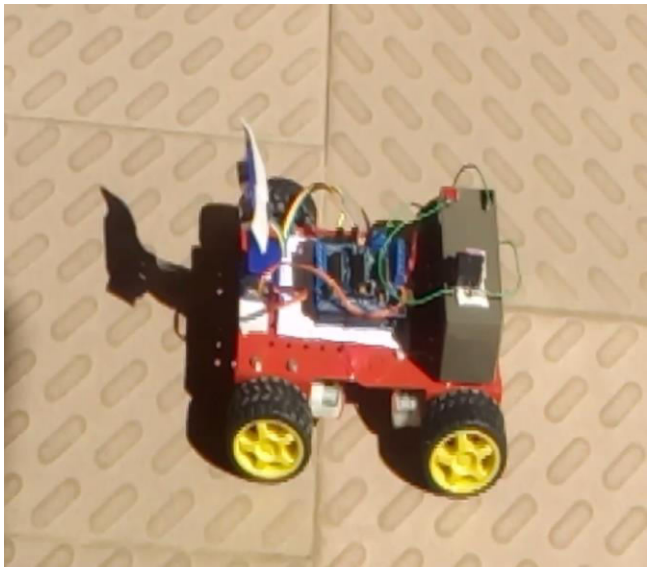
List of mini Project done in this lab:

Batch	Guide Name	Roll.No	Title of the Project
1	A. Chandra Suresh	16MQ1A0422 16MQ1A0481 16MQ1A0479 16MQ1A0402	Lawn Cutter
2	A. Chandra Suresh	15MQ1A0408 16MQ5A0408 16MQ5A0418	Line following robot
3	D.V.Sridhar	16MQ1A0424 16MQ1A0428 16MQ1A0407 16MQ1A0471	Gesture Controlled Robot
4	A. Chandra Suresh	17MQ5A0407 17MQ5A0404 17MQ5A0401 17MQ5A0403 16MQ1A0477	Obstacle Avoiding Robot

Photos:

Lawn cutter

Line following Robot

	
Gesture Controlled Robot	Obstacle Avoiding Robot

6.5. Safety measures in laboratories (10)

S. No.	Name of the Laboratory	Safety measures
1	Microwave Engineering Lab	1) First aid box and fire extinguishers are kept in each laboratory. 2) Additional drawer status ready to pass transitions. 3) Specific safety rules such as Do's and Don'ts are displayed and guided to all students. 4) Electrical wiring is protected by MCB, and fuses 5) Proper grounding 6) Students are supposed to wear Lab Apron. 7) The trained technical support team monitors the laboratories at all times. 8) Damaged equipment is identified and serviced as soon as possible. 9) Periodic calibration of laboratory equipment is regularly performed 10) The laboratories are kept clean and organized 11) The use of mobile phones is prohibited. 12) Fully loaded PC systems programmed with the required software are readily available for student use.
2	Communication Lab	
3	Electronic Devices & Circuits lab	
4	Microprocessor & Microcontrollers/Simulation lab	

5	Project Lab	1) First aid box and fire extinguishers are kept in each laboratory. 2) Specific safety rules such as Do's and Don'ts are presented and guided to all students. 3) The electrical wiring is protected by MCB, and the valves 4) Proper grounding 5) The trained technical support team monitors the laboratories at all times. 6) Defective equipment is identified and serviced as soon as possible. 7) Regular calibration of laboratory equipment is regularly performed 8) The laboratories are kept clean and organized 9) The use of mobile phones is prohibited. 10) Fully loaded PC software systems are easily available for student use.

Table B.6.3

CRITERION 7	CONTINUOUS IMPROVEMENT	50

7.1Actionstakenbasedontheresultsofevaluationofeachofthe POs&PSOs(20)

Identifytheareasofweaknessesintheprogrambased on the analysisofevaluationofPOs&PSOsAttainmentlevels.

MeasuresidentifiedandimplementedtoimprovePOs&PSOsattainmentlevelsfortheassessmentyears.

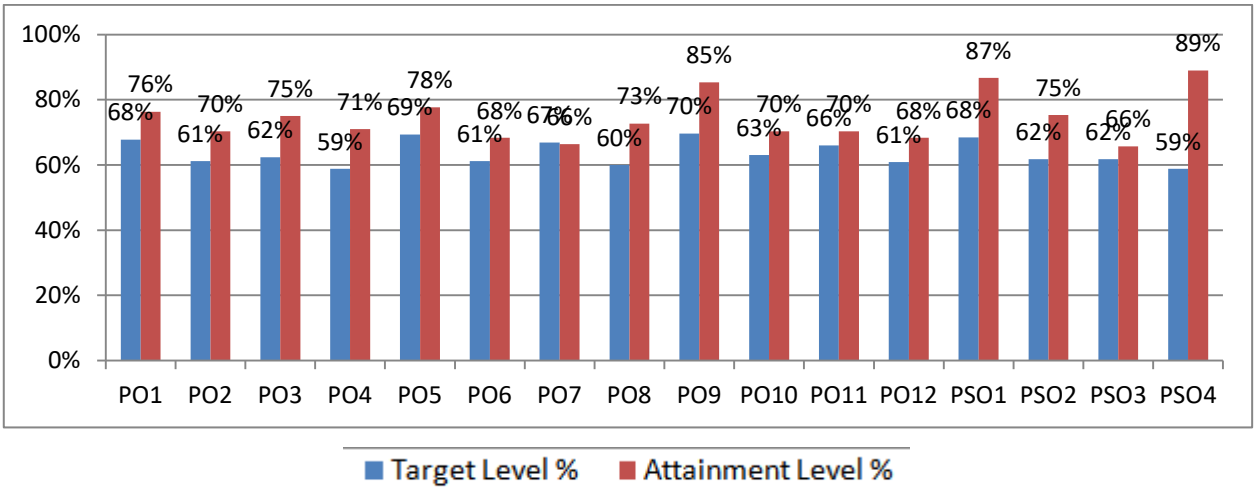
POs&PSOsAttainmentLevelsandActionsforimprovement–CAY-2017-18

POs	Target level	Attainment level	Observations
PO1:StatementasmentionedinAnnexureI			
PO1	3.1.3 PO Avg *0.9 2.28*.9 (68%)	3.3.2-Overall attainment 2.28 (76%)	Low attainment observed in C324,C327,C414,C418 **Observations :** 1. Attainment level still it is 71% we need toimprove 2. Solving dynamic problem found to be difficult 3. Solving problem found to be difficult
Action1: 1. Additional classes to be conducted for courses 2. Practical approach of teaching programming to be adopted 3. More problems will be given for practice			
PO2:StatementasmentionedinAnnexureI			
PO2	2.06*0.9(62%)	70%	Low attainment observed in C329,C424,C213,C215,C315 **Observations :** 1. Attainment level still it is 72% we need toimprove 2. Solving dynamic problem found to be difficult 3.Solving problem found to be difficult
Action1: 1. Additional classes to be conducted for courses 2. Practical approach of teaching programming to beadapted 3. More problems will be given forpractice			
PO3:StatementasmentionedinAnnexureI			
PO3	2.06*0.9(62%)	74%	Low attainment observed in C215,C314,317 **Observations :** 1. Attainment level still it is 77% we need toimprove 2. Solving dynamic problem found to be difficult 3. Solving problem found to be difficult
Action1: 1. Additional classes to be conducted for courses 2: Practical approach of teaching programming to be adopted 3. More problems will be given forpractice			
PO4:StatementasmentionedinAnnexureI			
	59%	68%	Low attainment observed in C214,C218,C425

PO4			**Observations :** 1. Attainment level still it is 67% we need toimprove 2. Solving dynamic problem found to be difficult 3. Solving problem found to be difficult
Action1: Additional classes to be conducted for courses 2: Practical approach of teaching programming to be adopted 3. More problems will be given forpractice			
PO5:StatementasmentionedinAnnexureI			
PO5	71%	77%	Low attainment observed in C315,C212,C218,C228,C324 **Observations :** 1. Attainment level still it is 76% we need toimprove 2. Solving dynamic problem found to be difficult 3. Solving problem found to be difficult
Action1: Additional classes to be conducted for courses 2: Practical approach of teaching programming to be adopted 3. More problems will be given forpractice			
PO6:StatementasmentionedinAnnexureI			
PO6	61%	65%	Low attainment observed in C312,C411 **Observations :** 1. Attainment level still it is 70% we need toimprove 2. Solving dynamic problem found to be difficult 3. Solving problem found to be difficult
Action1: Additional classes to be conducted for courses 2: Practical approach of teaching programming to be adopted 3. More problems will be given forpractice			
PO7:StatementasmentionedinAnnexureI			
PO7	66%	59%	Low attainment observed inC314,C422 **Observations :** 1. Attainment level still it is 51% we need toimprove 2. Solving dynamic problem found to be difficult 3. Solving problem found to be difficult
Action1: Additional classes to be conducted for courses 2: Practical approach of teaching programming to be adopted 3. More problems will be given forpractice			
PO8:StatementasmentionedinAnnexureI			
PO8	62%	67%	Low attainment observed in C324 **Observations :** 1. Attainment level still it is 62% we need toimprove 2. Solving dynamic problem found to be difficult 3. Solving problem found to be difficult
Action1: Additional classes to be conducted for courses			

2: Practical approach of teaching programming to be adopted 3. More problems will be given forpractice			
PO9:StatementasmentionedinAnnexureI			
PO9	70%	81%	Low attainment observed in C222,C414,C423 **Observations :** 1. Attainment level still it is 72% we need toimprove 2. Solving dynamic problem found to be difficult 3. Solving problem found to be difficult
Action1: Additional classes to be conducted for courses 2: Practical approach of teaching programming to be adopted 3. More problems will be given forpractice			
PO10:StatementasmentionedinAnnexureI			
PO10	57%	65%	Low attainment observed in C324 **Observations :** 1. Attainment level still it is 70% we need toimprove 2. Solving dynamic problem found to be difficult 3.Solving problem found to be difficult
Action1: Additional classes to be conducted for courses 2: Practical approach of teaching programming to be adopted 3. More problems will be given forpractice			
PO11:StatementasmentionedinAnnexureI			
PO11	66%	67%	Low attainment observed in C314,C321,C415 **Observations :** **Observations :** 1. Attainment level still it is 58% we need toimprove 2. Solving dynamic problem found to be difficult 3.Solving problem found to be difficult
Action1: Additional classes to be conducted for courses 2: Practical approach of teaching programming to be adopted 3. More problems will be given forpractice			
PO12:StatementasmentionedinAnnexureI			
PO12	61%	68%	Low attainment observed in C314,C416,C423 **Observations :** **Observations :** 1. Attainment level still it is 66% we need toimprove 2. Solving dynamic problem found to be difficult 3. Solving problem found to be difficult
Action1: Additional classes to be conducted for courses 2: Practical approach of teaching programming to beadopted 3. More problems will be given forpractice			

SimilarinformationistobeprovidedforPSOs			
PSO1:StatementasmentionedinAnnexureI			
PSO1	68%	87%	Low attainment observed in C314,C322 **Observations :** 1. Attainment level is 86.67%, still we need toimprove 2. Solving dynamic problems in the field of signal processing and communication is difficult
Action1: Additional classes to be conducted for courses 2: Practical approach of teaching programming to beadapted 3. More problems will be given forpractice			
PSO2:StatementasmentionedinAnnexureI			
PSO2	62%	75%	Low attainment observed in C411,C321 **Observations :** 1. Attainment level is 75.33%, still we need toimprove 2. Understanding of contemporary knowledge is difficult.
Action1: Additional classes to be conducted for courses 2: Practical approach of teaching programming to be adopted 3. More problems will be given forpractice			
PSO3:StatementasmentionedinAnnexureI			
PSO3	62%	66%	Low attainment observed in C314,C321, C322, C411,, C324 **Observations :** 1. Attainment level is 65.67%still, we need toimprove. 2. Difficult to identify dynamic real time problems.
Action1: Additional classes to be conducted for courses 2: Practical approach of teaching programming to be adopted 3. More problems will be given forpractice			
PSO4:StatementasmentionedinAnnexureI			
PSO4	59%	89%	Low attainment observed in C216,C226, C329 **Observations :** 1. Attainment level is 89% still, we need toimprove 2. Solving of management problems found to be difficult



PO/PSO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
Target Level %	68%	61%	62%	59%	69%	61%	67%	60%	70%	63%	66%	61%	68%	62%	62%	59%
Attainment Level %	76%	70%	75%	71%	78%	68%	66%	73%	85%	70%	70%	68%	87%	75%	66%	89%

7.2. Academic Audit and actions taken thereof during the period of Assessment (10)
(Academic Audit system/process and its implementation in relation to Continuous Improvement)

The academic audit aims to monitor and improve the quality of technical education through appropriate guidance for both faculty and students to ensure qualified engineers / researchers from the Sri Vasavi Institute of Engineering and Technology.

Composition of the Committee

• Senior college senior as coordinator

• Second person from each department as members

Committee Members

S.No	Name	Designation & Department	Position
1	SVC.Gupta	Professor, CSE	Coordinator
2	Ch.GiriPhani Kumar	Assistant Professor, CE	Member
3	P.Srikanth	Assistant Professor, EEE	Member
4	V.VijayaBhaskar	Associate Professor, ME	Member
5	GSVNV.Babu	Professor, ECE	Member
6	Sri M.SrinivasaRao	Associate Professor, CSE	Member
7	DrP.SeshuBabu	Associate Professor, S&H	Member

OBJECTIVES OF ACADEMIC AUDITING:

1. To ensure academic accountability.
2. Determine the quality of each component of the posts and ensure the quality of technical education throughout the system.
3. To protect the functions of technical education.
4. Determine the effectiveness of the teaching and learning process and develop a methodology to confirm maximum production of faculty as well as students.

S.No	Audit Parameter	Frequency	Documents to be verified	Expected Outcome
1	Course File	Three times per Semester	Phase-I, Phase-II, Phase-III	Phase-I - Gaps to be identified Phase II – Remedial and Make up classes for Weak Students Phase III – Analysation of Question paper Qualities
2	Syllabus Monitoring	Monthly Once	As per Instruction Plan in Course File	Up to date
3	Faculty Development Programmes	Yearly Once	Participation Certificates	Every Faculty should Participate
4	Faculty Development Programmes conducted	Yearly Once	As per the year planner	To be Conducted
5	Guest lectures & work shops	Yearly once	As per the year planner	To be Conducted

DOCUMENTS TO BE PRODUCED FOR AUDITING

In the institution all programs maintain the details of various academic activities in the form of documents given below. These documents shall be made available to the auditor as and when required.

1. Class Time Table & Faculty Time Table
2. Students Roll List
3. Students Batch List (for practical courses, projects)
4. Course File for all the theory courses including lab courses
5. Log register used in Laboratory
6. Consolidated Attendance statement of students
7. Consolidated statement of marks of internal tests
8. Project (Mini project/Design project/Final semester project) progress review reports
9. Register of internal evaluation marks
10. Result Analysis

A course file is to be maintained by each staff of the department for each course handled by him/her.

Course File First Check List

S.No.	Item	Description	Remarks
1	Course syllabus	Preferably the University provided document (without college name/header)	
2	Course Outcomes (CO)	6 outcomes covering entire syllabus, easily explainable by the faculty (with unique numbering for each CO)(with TL - Taxonomy Level)	
3	Lesson plan	Topic wise, with references, teaching aid/methodology matching with Time Table; Also, reflect tutorials, topic beyond syllabus in planning	
4	Topics beyond syllabus (TBS)	List of topics taught other than university specified syllabus (Topic, mapped CO, justification/Curriculum Analysis)	
5	Web references	List of web links for the course (preferably .ac.xx, .edu, .org, .gov, ocw.)	
		Topic wise web links for entire syllabus	
6	Self-learning resources	ICT based material, Online certifications, MOOCs etc.	
7	Lecture notes	Module wise, hand written and easily traceable – topic wise (aligned to Lesson plan)	
8	Power point presentations / Videos	Presentations list (topic and file name)	
		CD should be present in the box file itself.	
9	Result Analysis to identify Weak and advanced learners	List of Weak and advanced learners based on	
		1). BEFORE THE SEMESTER START: A).Students performance up to previous semester; B). Their Performance of pre-requisite course	
		2). AFTER 3 weeks of instruction observation	
		3). Based on Internal Examination marks.	

Course File Second Check List

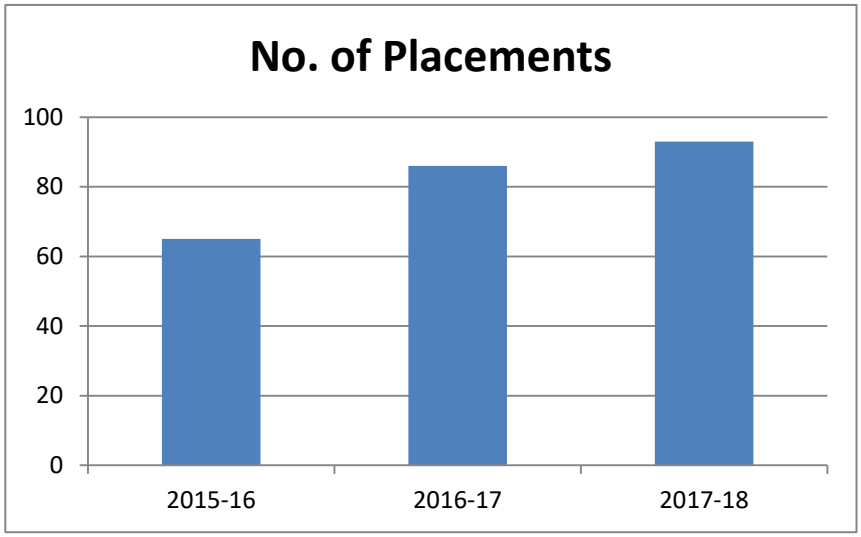
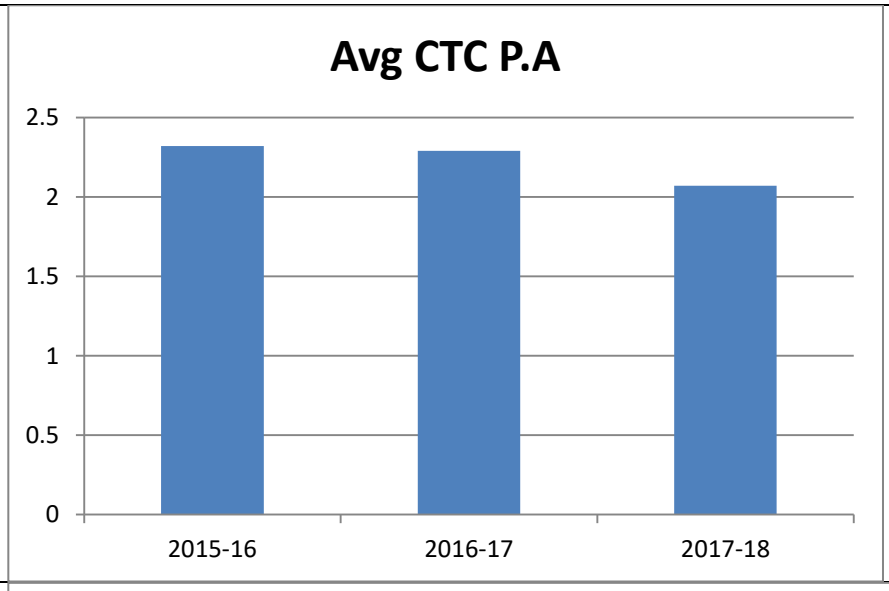
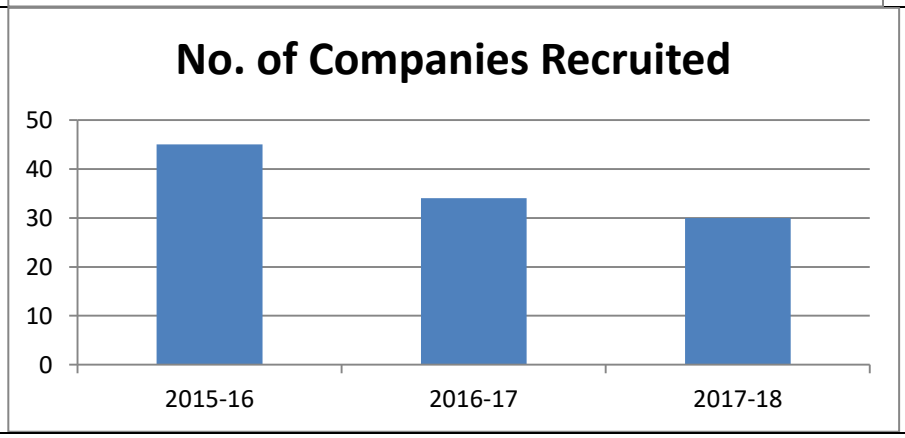
S.No.	Item	Description	Remarks
1	University Question papers	3 years papers taken from exam branch (marked with CO, TL for each question)	
2	Internal Question papers with Key	3 years papers taken from exam branch (marked with CO, TL for each question); Answers written by faculty	
3	Assignment Question papers	Assignment question papers taken from exam branch (marked with CO, TL for each question);	
4	Tutorial evidence	List of tutorial topics as per time table	
		Notes / material for tutorials	
5	Result Analysis to identify Weak and advanced learners	List of Weak and advanced learners based on	
		1). BEFORE THE SEMESTER START: A).Students performance up to previous semester; B). Their Performance of pre-requisite course	
		2). AFTER 3 weeks of instruction observation	
		3). Based on Internal Examination marks.	

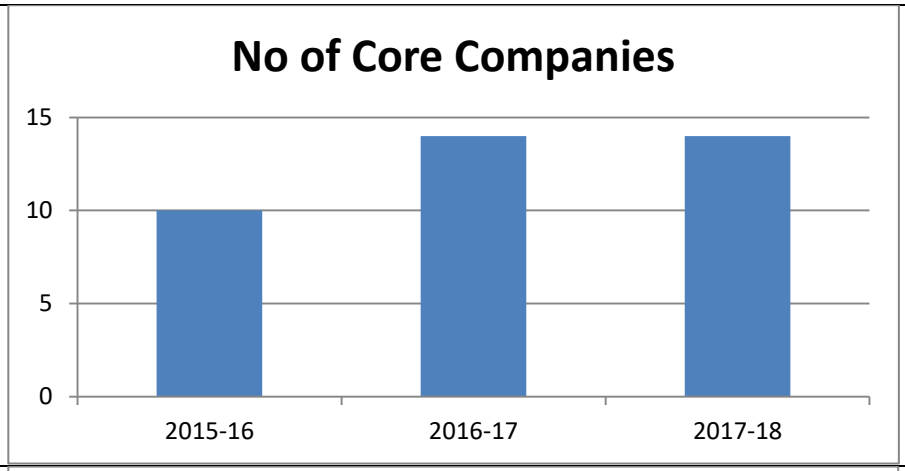
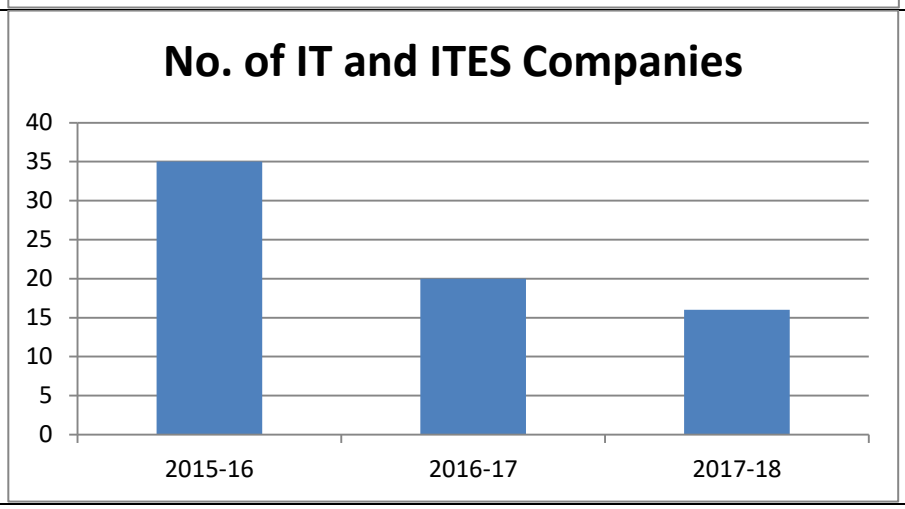
Course File Third Check List

S.No.	Item	Description	Remarks
1	Result Analysis to identify Weak and advanced learners	List of Weak and advanced learners based on	
		1). BEFORE THE SEMESTER START: A).Students performance up to previous semester; B). Their Performance of pre-requisite course	
		2). AFTER 3 weeks of instruction observation	
		3). Based on Internal Examination marks.	
2	Result Analysis at the end of the course	University examination result of the previous year and the present year	
3	Course Assessment	1). Internal exams marks list with attainment level calculation	
		2). University exam marks with attainment level calculation	
		3). Feedback on faculty from students – Analysis page	
		4). Course outcome feedback, Analysis	
		5). PO attainment page	
		6). Improvements identified based on the assessment	
4	Guest talks, field visits, Trainings, Certifications etc.	Details, if any	
5	Attendance register	Attendance for all students (as per Time Table)	
		Periodic monitoring of HoD / Principal	
		Teacher log update (As per Lesson Plan, having evidence for TBS)	
		Internal marks, Assignment marks updated	
6	Course file (Digital form)	Page mentioning the availability of the entire course file availability to students (web site link or common location detail)	
		All Self-Learning materials list with the location details	
7	IQAC Verification	Evidence that Cource file verified and certified with IQAC observations	

7.3.1 Placement data analysis for three assessment years

A. Y	No. of Companies Recruited	Avg CTC P.A	No. of Placements	No of Core Companies	No. of IT and ITES Companies
2015-16	45	2.32	65	10	35
2016-17	34	2.29	86	14	20
2017-18	30	2.07	93	14	16

SNO.	Representation	Trend Description
1.		Batch-wise increase in the No. of placements due to comparative potential input
2.		Due to a nation-wide average decrease in the CTC
3		Preference to only qualitative companies instead of more ordinary ones

4		A comparative increase in the core companies due to preferential rise in electronics.
5		A comparative secondary preference due to more choice of electronics.

7.3.2 Higher Studies Details:

Table 7.3.4: Higher Studies Enrolment Details

S no.	Academic Year	No. of Students joined in Higher Education	No. of students admitted through GATE, PGECET etc…	No. of Students opted for Higher studies Abroad
1	2015-16	06	06	0
2	2016-17	05	04	1
3	2017-18	04	04	0

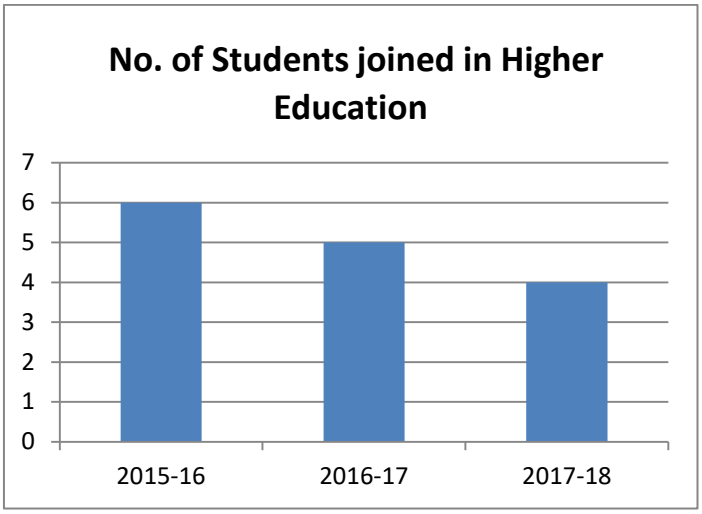


Figure 7.3.2: Higher Studies data analysis for 3 years

7.3.3 Entrepreneur details :

Table 7.3.5: Entrepreneur details

S no.	Academic Year	No. of Students Registered & Started
1	2016-17	3

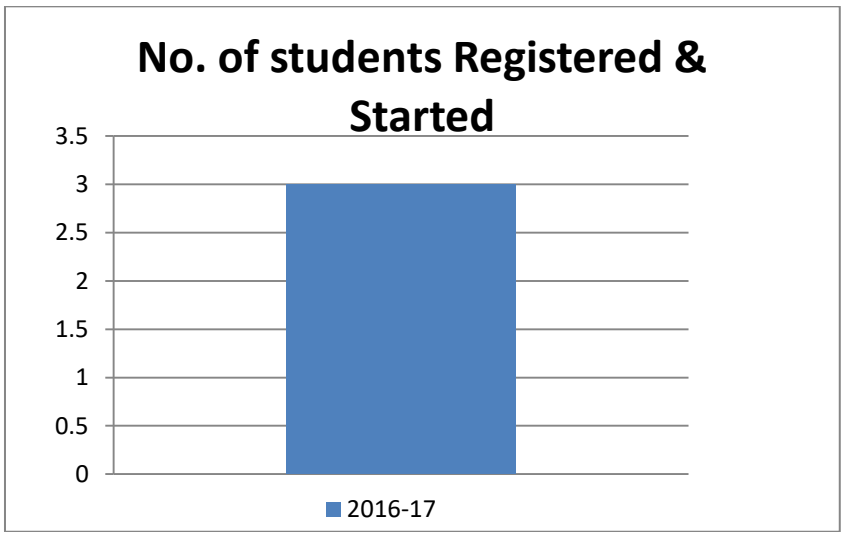
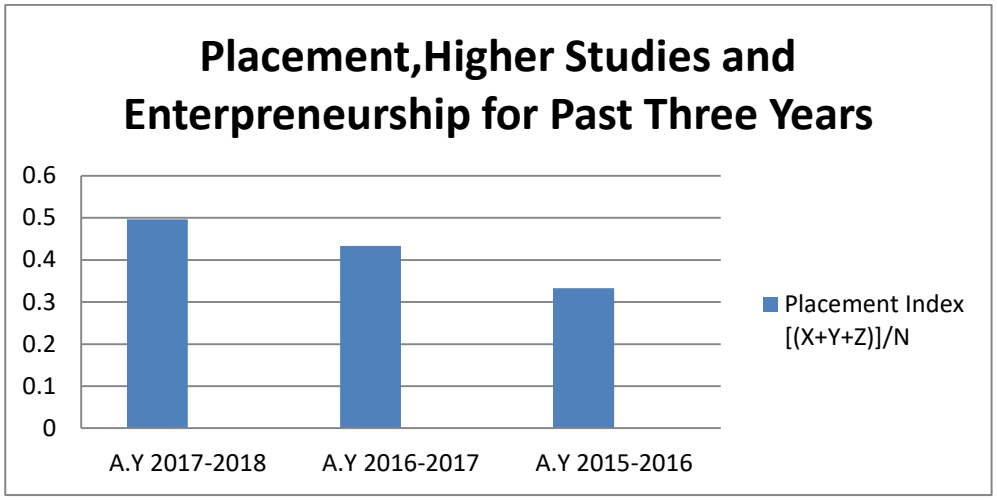


Figure 7.3.3: Entrepreneur data analysis for 3 years



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

Assessment is based on improvement in terms of ranks/score in qualifying state level/national entrances tests, percentage marks in Physics, Chemistry and Mathematics in 12th Standard and percentage marks of the lateral entry students.

S. No	Item		2018-19	2017-18	2016-17
1	National Level Entrance Examination (Name of the Entrance Examination)	No. of Students admitted	-	-	-
		Opening Rank	-	-	-
		Closing Rank	-	-	-
2	EAMCET (State Level Entrance Examination)	No. of Students admitted	56	79	80
		Opening Rank	20915	7674	19790
		Closing Rank	127292	138323	136757
3	E-CET (Entrance Examination for Lateral Entry)	No. of Students admitted	21	14	27
		Opening Rank	364	502	634
		Closing Rank	4587	4603	5902
4	Average CBSE/Any other Board Result of admitted students (Physics, Chemistry &Maths)		470	510	482

CRITERION 8	First Year Academics	50

8. FIRST YEAR ACADEMICS (50)

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

Data for first year courses to calculate the FYSFR:

Year	Number of students (approved students strength)	Number of faculty members (considering fractional load)	FYSFR	*Assessment = (5 ×20)/ FYSFR (Limited to Max. 5)
2018-19	420	21	20	5
2017-18	420	22	19.09	5
2016-17	420	22	19.09	5
Average	420	21.6	19.39	5

Table B.8.1

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

Assessment of qualification = $(5x + 3y)/RF$, x= Number of Regular Faculty with Ph.D, y = Number of Regular Faculty with Post-graduate qualification RF= Number of faculty members required as per SFR of 20:1, Faculty definition as defined in 5.1

Year	x	y	RF	Assessment of faculty qualification (5x + 3y)/RF
2018-19	04	17	21	3.38
2017-18	03	19	21	3.42
2016-17	04	18	21	3.52
Average assessment				3.44

Table B.8.2

8.3. First Year Academic Performance (10)

Academic Performance = ((Mean of 1st Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks in First Year of all successful students/10)) x *(number of successful students/number of students appeared in the examination)*

Successful students are those who are permitted to proceed to the second year.

Academic Performance	2017-18	2016-17	2015-16
Mean of CGPA or Mean Percentage of all successful students (X)	7.34	7.35	6.44
Total no. of successful students (Y)	103	95	92
Total no. of students appeared in the examination (Z)	103	95	192
API = X* (Y/Z)	7.34	7.35	6.44
Average API = (AP1 + AP2 + AP3)/3	7.04		

8.4 Attainment of Course Outcomes of First year courses (10)
Note: Number of Outcomes for a Course is expected to be around 6.

C114:Applied Physics I-I		**Year of study: 2017-18**
CO	CO Statement	Blooms Taxonomy level
C114.1	Explain the phenomenon of interference and its applications.	Understand
C114.2	Discuss the phenomenon of diffraction and its applications.	Understand
C114.3	Describe the polarization and LASER, types of lasers and their applications.	Understand
C114.4	Apply the concepts of vector calculus in electromagnetic fields and Maxwell's equations.	Apply
C114.5	Apply Quantum mechanics to study the behavior of a particle and understand the electrical conductivities of metals by basing on free electron theory.	Apply
C114.6	Understand the concept of band theory of solids, semiconductors and their applications.	Understand

C122:Mathematics – III I-II		Year of study: 2017-18
CO	CO Statement	Blooms Taxonomy level
C122.1	Demonstrate knowledge of matrix calculation as an elegant and powerful mathematical language in connection with rank of a matrix using Echelon and normal forms. Also finding electrical current in electrical circuits.	Understand
C122.2	Apply the concept of Eigen values in real-world problems of mechanical systems where Eigen values are natural frequency and mode shape.	Apply
C122.3	Determine the area and volume of a given curve using double and triple integral.	Understand
C122.4	Solving Dirichlet's integrals using beta gamma functions.	Apply
C122.5	Analyze scalar, vector fields and scalar potential function and compute the gradient, divergence and curl.	Analyze
C122.6	Use Vector integral theorems to facilitate vector integration.	Apply

Table – 8.1.1

8.1.2. CO-PO matrices of courses selected in 8.1.1 (six matrices to be mentioned; one per semester for 1st year)

C114:Applied Physics I-I									Year of study: 2017-18		
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C114 .1	3	1	-	-	-	-	-	-	-	-	-	-
C114 .2	3	1	-	-	1	-	-	-	-	-	-	-
C114 .3	3	1	-	-	1	-	-	-	-	-	-	-
C114 .4	3	1	-	-	-	-	-	-	-	-	-	-
C114 .5	2	1	-	-	-	-	-	-	-	-	-	-
C114 .6	2	1	-	-	-	-	-	-	-	-	-	-
C114	2.66	1	-	-	1	-	-	-	-	-	-	-

C122:Mathematics - III I-II									Year of study: 2017-18		
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C122.1	3	2	-	-	2	-	-	-	-	-	-	-
C122.2	3	2	-	-	-	-	-	-	-	-	-	-
C122.3	3	2	-	-	-	-	-	-	-	-	-	-
C122.4	3	2	-	-	-	-	-	-	-	-	-	-
C122.5	3	2	-	-	-	-	-	-	-	-	-	-
C122.6	3	2	-	-	-	-	-	-	-	-	-	-
C122	3	2	-	-	2	-	-	-	-	-	-	-

Table 8.1.2

Note:1.Enter correlation levels 1, 2 or 3 as defined below:
1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)
It there is no correlation, put "-"

2. Similar table for PSOs

8.1.3 Program level Course-PO matrix of all courses in first year courses :

Course	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12	AVG
C111 (ENG-I)A	1.16	-	2	-	-	2	2	2	2	3	-	2	2.02
C111 (ENG-I)B	1.16	-	2	-	-	2	2	2	2	3	-	2	2.02
C112 (M-I)A	3	2	-	-	2	-	-	-	-	-	-	2	2.25
C112 (M-I)B	3	2	-	-	2	-	-	-	-	-	-	2	2.25
C113 (M-II)A	3	2	-	-	2	-	-	-	-	-	-	-	2.33
C113 (M-II)B	3	2	-	-	2	-	-	-	-	-	-	-	2.33
C114 (AP)A	2.66	1	-	-	1	-	-	-	-	-	-	-	1.55
C114 (AP)B	2.66	1	-	-	1	-	-	-	-	-	-	-	1.55
C115 (CP)A	2.16	2	2	-	2	-	-	-	-	-	-	1.5	1.93
C115 (CP)B	2.16	2	2	-	2	-	-	-	-	-	-	1.5	1.93
C116 (ED)A	2	2	-	-	-	-	-	-	-	-	-	-	2.00
C116 (ED)B	3	3	-	-	-	-	-	-	-	1.5	-	1	2.17
C117 (ECS-I)A	-	-	-	-	-	-	2	2	2	2	-	2	2.00
C117 (ECS-I)B	-	-	-	-	-	-	2	2	2	2	-	2	2.00
C118 (APL)A	2	1	-	-	2	-	-	-	-	-	-	-	1.67
C118 (APL)B	2	1	-	-	2	-	-	-	-	-	-	-	1.67
C119 (APVL)A	2.6	1	-	-	-	-	-	-	-	-	-	-	1.80
C119 (APVL)B	2.6	1	-	-	-	-	-	-	-	-	-	-	1.80
C11A (EW&ITWS)A	2	-	1.83	-	-	-	-	-	1.67	-	-	1.67	1.79
	1.66	2.33	2.83	-	-	-	-	-	-	-	-	-	2.27
C11A	2	-	1.8	-	-	-	-	-	1.6	-	-	1.67	1.79

(EW&ITWS)B	1.66	2.33	3 2.83	-	-	-	-	-	7 -	-	-	-	2.27
C121 (ENG-II)A	1.25	1	2	-	2	2	2	1	2	2.5	-	2	1.77
C121 (ENG-II)B	1.25	1	2	-	2	2	2	1	2	2.5	-	2	1.77
C122 (M-III)A	3	2	-	-	2	-	-	-	-	-	-	-	2.33
C122 (M-III)B	3	2	-	-	2	-	-	-	-	-	-	-	2.33
C123 (AC)A	1	2	2	-	-	2	2.5	-	-	-	-	-	1.90
C123 (AC)B	1	2	2	-	-	2	2.5	-	-	-	-	-	1.90
C124 (EMT)A	3	2	1.5	2	-	-	-	-	-	-	-	-	2.12
C124 (EMT)B	3	2	1.5	2	-	-	-	-	-	-	-	-	2.12
C125 (ES)A	1	-	1	-	-	2	2.5	-	2	-	-	-	1.7
C125 (ES)B	1	-	1	-	-	2	2.5	-	2	-	-	-	1.7
C126 (DS)A	2	2	3	3	-	-	-	-	-	2	3	2	2.42
C126 (DS)B	2	2	3	3	-	-	-	-	-	2	3	2	2.42
C127 (ACL)A	2	2	-	-	-	3	3	-	-	-	-	-	2.5
C127 (ACL)B	2	2	-	-	-	3	3	-	-	-	-	-	2.5
C128 (ECL-II)A	1	1	1	-	2	1	2	2	-	2	-	2	1.56
C128 (ECL-II)B	1	1	1	-	2	1	2	2	-	2	-	2	1.56
C129 (CPL)A	3	3	3	-	2	-	-	-	-	-	-	-	2.75
C129 (CPL)B	3	3	3	-	2	-	-	-	-	-	-	-	2.75
AVG	2.08	1.77	2.01	2.50	1.89	2.00	2.29	1.75	1.93	2.30	3.00	1.90	2.03
NO. OF COURSES	18	16	10	2	6	6	7	4	5	3	1	7	

Table 8.1.3

Note:1.Enter correlation levels 1, 2 or 3 as defined below:
1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)
It there is no correlation, put "-"
It may be noted that the contents of Table 3.1.2 must be consistent with information available in Table 3.1.3 for all courses.

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

(Examples of data collection processes may include, but are not limited to, specific exam questions, laboratory tests, internally developed assessment exams, oral exams, assignments presentations, tutorial sheets etc)

Each program follows the assessment manual consisting of direct and indirect attainment methods for assessing Theory courses, laboratories and projects. Internally developed excel spread sheets are used for direct assessment. Feedback forms based on COs were framed for each class and the feedback was taken from students.

Theory Courses:

Direct Attainment

Tool used	Frequency of data collection	Responsible person	Assessment criterion	Rubric for Attainment Level	Weightage
Internal examinations	Twice per Semester	Examinations cell	Students scored > class average mark	1: <50% students 2: 50-70% students 3: >=70% students	58.4%
Assignments	Once per semester	Course Coordinator	Students scored > class average mark	1: <50% students 2: 50-70% students 3: >=70% students	11.6%
University Examinations	Once per semester	Examinations cell	Students scored > class average mark	1: <50% students 2: 50-70% students 3: >=70% students	30%
				Total	100%

Indirect Attainment

Tool used	Frequency of data collection	Responsible person	Assessment criterion	Rubric for Attainment Level	Weightage
CO Feedback	End of semester	Assessment committee coordinator	Average of entire class for each CO	Class Average on the scale of 1-3	100%

*Overall course attainment = 0.8*Direct attainment+0.2*Indirect attainment*

Laboratories:

Direct method

Tool used	Frequency of data collection	Responsible person	Assessment criterion	Rubric for Attainment Level	Weightage
Internal Examination	Once in Semester	Lab Coordinator	Students scored > class average mark	1: <80% students 2: 80-90% students 3: >=90 students	13.3%
Day-to-day evaluation	During each lab session	Lab Coordinator	Students scored > class average mark	1: <80% students 2: 80-90% students 3: >=90 students	20%
University Examinations	Once in Semester	University appointed Examiner	Students scored > class average mark	1: <80% students 2: 80-90% students 3: >=90 students	66.7%

Indirect Method:

Tool used	Frequency of data collection	Responsible person	Assessment criterion	Rubric for Attainment Level	Weightage
Lab Feedback	End of semester	Assessment committee coordinator	Average of entire class for each CO	Class Average on the scale of 1-3	100%

*Overall course attainment = 0.8*Direct attainment+0.2*Indirect attainment*

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

Program shall have set attainment levels for all first year courses
(The attainment levels shall be set considering average performance levels in the university examination or any higher value set as target for the assessment years Attainment level is to be measured in terms of student performance in internal assessments with respect to the COs of a subject plus the performance in the University examination)

Measuring Course Outcomes attained through University Examinations
Target may be stated in terms of percentage of students getting more than the university average marks or more as selected by the Program in the final examination For cases where the university does not provide useful indicators like average or median marks etc, the program may choose an attainment level on its own with justification

Refer 322 for further details
AY:2017-18
DIRECT ATTAINMENT THEORY

Course	CO1	CO2	CO3	CO4	CO5	CO6	OVERALL	TARGET	Y/N
C111 (ENG-I)A	2.30	2.65	2.13	2.48	2.65	2.53	2.46	1.81	Y
C111 (ENG-I)B	2.83	2.48	2.13	2.48	2.13	2.30	2.39	1.81	Y
C112 (M-I) A	1.88	1.47	1.70	1.70	1.88	1.70	1.72	2.03	N
C112 (M-I) B	1.35	1.70	1.53	1.70	1.88	1.88	1.67	2.03	N
C113 (M-II)A	1.88	1.70	1.70	1.53	1.53	1.53	1.64	2.10	N
C113 (M-II)B	2.05	1.88	1.53	2.05	1.88	1.88	1.88	2.10	N
C114 (AP)A	2.18	2.35	2.18	2.47	2.47	2.00	2.27	1.39	Y
C114 (AP)B	2.33	2.16	1.84	2.33	2.16	2.00	2.14	1.39	Y
C115 (CP)A	1.18	1.18	1.53	1.70	1.70	1.84	1.52	1.74	N
C115 (CP)B	1.65	1.83	1.65	1.83	2.18	2.00	1.85	1.74	Y
C116 (ED)A	2.23	1.53	1.65	1.65	2.00	2.00	1.84	1.8	Y
C116 (ED)B	2.33	2.00	1.35	2.00	2.65	1.35	1.95	1.95	Y
C121 (ENG-II)A	2.65	2.48	2.16	2.83	2.83	2.30	2.54	1.59	Y
C121 (ENG-II)B	2.83	2.30	2.44	2.30	2.30	2.13	2.38	1.59	Y

C122 (M-III)A	2.65	2.13	2.30	2.13	2.30	1.95	2.24	2.10	Y
C122 (M-III)B	2.05	1.88	1.70	1.88	2.05	1.53	1.85	2.10	Y
C123 (AC)A	1.53	1.70	1.88	1.70	1.53	1.70	1.67	1.71	N
C123 (AC)B	1.70	1.88	1.70	1.88	1.70	1.70	1.76	1.71	Y
C124 (EMT)A	2.00	2.00	1.77	2.18	2.00	1.83	1.96	1.90	Y
C124 (EMT)B	2.35	2.17	2.33	1.82	2.17	1.82	2.09	1.90	Y
C125 (ES)A	1.95	2.07	2.07	2.48	2.48	2.30	2.22	1.53	Y
C125 (ES)B	2.00	2.00	2.00	2.35	1.65	1.65	1.94	1.53	Y
C126 (DS)A	2.05	2.05	1.70	1.93	1.88	1.88	1.91	2.17	N
C126 (DS)B	2.23	2.23	1.93	1.93	2.05	1.88	2.04	2.17	N

DIRECT ATTAINMENT LABS

Course	CO1	CO2	CO3	CO4	CO5	CO6	OVERALL	TARGET	Y/N
C117 (ECL-I) A	1.83	1.6	1.83	2.06	2.06	2.06	1.88	1.8	Y
C117 (ECL-I) B	2.07	2.07	2.07	1.83	1.83	2.07	1.99	1.8	Y
C118 (APL)A	2.3	2.24	2.21	2.18	2.18	2.22	2.21	1.5	Y
C118 (APL)B	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	Y
C119 (APVL)A	3	3	3	3	3	3	3	1.6	Y
C119 (APVL)B	3	3	3	3	3	3	3	1.6	Y
C11A (EWS/IT WS)A	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	Y
	2.5	2.5	2.0	2.0	2.0	2.2	2.2	2.0	Y
C11A (EWS/IT WS)B	2	2	2	2	2	2	2	1.6	Y
	2.7	2.65	2.78	2.55	2.7	2.6	2.67	2.0	Y
C127 (ACL)A	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.25	Y
C127 (ACL)B	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.25	N
C128 (ECL-II)A	1.46	2.00	1.5	2.0	1.5	1.3	1.63	1.4	Y

C128 (ECL-II)B	2.07	2.07	2.07	2.07	2.07	2.07	2.07	1.4	Y
C129 (CPL)A	2.65	2.65	2.72	2.6	2.2	2.3	2.56	2.47	Y
C129 (CPL)B	2.3	2.3	2.3	2.44	2.2	2.0	2.03	2.47	N

INDIRECT ATTAINMENT THEORY

Course	CO1	CO2	CO3	CO4	CO5	CO6	OVERALL
C111 (ENG-I)A	2.15	2.07	2.24	2.09	2.00	1.84	2.06
C111 (ENG-I)B	2.04	2.14	2.00	1.92	1.86	1.98	1.98
C112 (M-I) A	2.18	1.84	2.00	2.00	1.98	1.98	2.00
C112 (M-I) B	1.72	2.22	1.86	1.98	2.02	1.98	1.96
C113 (M-II)A	1.89	2.05	1.91	2.00	2.20	2.02	2.01
C113 (M-II)B	2.04	2.10	1.74	1.96	2.04	1.88	1.96
C114 (AP)A	2.13	1.96	1.91	1.84	2.05	1.96	1.98
C114 (AP)B	1.96	1.92	1.88	2.12	1.92	2.14	1.99
C115 (CP)A	2.04	2.02	2.27	2.05	1.91	2.00	2.05
C115 (CP)B	1.82	2.04	2.04	2.18	1.80	1.98	1.98
C116 (ED)A	1.96	1.98	2.11	2.15	1.84	2.13	2.03
C116 (ED)B	2.06	2.04	2.04	2.12	1.94	1.92	2.02
C121 (ENG-II)A	2.16	1.84	1.98	2.09	2.05	1.89	2.00
C121 (ENG-II)B	1.90	1.98	1.98	2.06	2.16	2.30	2.06
C122 (M-III)A	2.11	2.13	2.04	2.07	2.05	2.16	2.09
C122 (M-III)B	2.16	2.02	2.00	1.94	1.94	2.08	2.02
C123 (AC)A	1.98	1.95	1.89	2.16	2.02	1.85	1.98
C123 (AC)B	1.84	1.96	2.16	1.96	2.10	2.02	2.01
C124 (EMT)A	2.05	2.05	2.07	2.07	1.85	2.18	2.05
C124 (EMT)B	2.10	1.98	1.88	2.08	2.08	2.06	2.03

C125 (ES)A	1.87	2.04	2.13	1.87	1.96	2.04	1.98
C125 (ES)B	1.98	2.04	2.02	2.00	1.96	1.98	2.00
C126 (DS)A	1.85	2.04	1.87	2.22	2.04	2.00	2.00
C126 (DS)B	1.98	2.02	1.70	2.24	1.96	2.04	1.99

INDIRECT ATTAINMENT LABS

Course	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**	**OVERALL**
C117 (ECL-I)A	1.89	2.24	2.31	2.04	2.05	2.04	2.09
C117 (ECL-I)B	2.12	2.10	2.04	1.82	1.92	2.04	2.01
C118 (APL) A	2.05	2.09	2.13	1.95	1.95	1.87	2.01
C118 (APL) B	2.06	1.80	2.16	1.96	2.08	2.00	2.01
C119 (APVL)A	2.04	1.80	2.00	2.15	1.95	2.13	2.01
C119 (APVL)B	1.80	2.00	1.78	1.98	1.98	2.02	1.93
C11A (EWS/IT WS)A	2.09	2.20	2.00	1.85	2.00	1.95	2.02
C11A (EWS/IT WS)B	1.66	1.96	1.98	2.04	1.94	1.88	1.91
C127 (ACL)A	2.13	2.07	1.93	2.02	1.84	2.13	2.02
C127 (ACL)B	2.06	2.08	2.08	2.04	1.98	1.92	2.03
C128 (ECL-II)A	2.20	1.98	2.04	2.00	2.04	1.87	2.02
C128 (ECL-II)B	1.88	1.86	2.02	1.86	1.98	1.86	1.91
C129 (CPL)A	2.11	1.96	2.00	1.95	2.00	2.04	2.01
C129 (CPL)B	2.12	2.08	2.14	2.10	1.92	2.06	2.07

% OF STUDENTS ATTAINED

Course	CO1	CO2	CO3	CO4	CO5	CO6	UNIV
C111 (ENG-I)A	63.63	73.63	53.63	73.63	73.63	74.54	80
C111 (ENG-I)B	78.57	67.70	39.53	63.26	44.96	68	100
C112 (M-I) A	68.93	51	62.43	55.29	55.20	52.08	40
C112 (M-I) B	43.75	51	40.27	57.70	60.66	55.82	30
C113 (M-II)A	80.97	64	60.62	54.48	47.78	49.45	38
C113 (M-II)B	70.62	63	40.60	65.07	55.60	59.99	42
C114 (AP)A	59.7	76.1	67.4	96.1	35.1	57.9	52
C114 (AP)B	64.52	68.59	40.58	76.01	70.83	59.45	55
C115 (CP)A	43	44	53.5	50	52.5	57.6	50
C115 (CP)B	34.5	49	34	41.5	59	53.67	63
C116 (ED)A	67	38	29	47	67	55	56
C116 (ED)B	75	52	46	50	48	48	30
C117 (ECL-I) A	69.09	63.03	65.45	64.24	66.67	62.42	96.36
C117 (ECL-I) B	78.67	76	76.67	74	72.67	82	100
C118 (APL)A	64.3	64.66	63.66	63	63	64	56.36
C118 (APL)B	68	68	68	68	68	68	96
C119 (APVL)A	100	100	100	100	100	100	100
C119 (APVL)B	100	100	100	100	100	100	100
C11A (EWS/ITWS)A	33.03	41.21	41.21	46.92	50.91	50.30	98.18
	85	80	83	70	85	78	100
C11A (EWS/ITWS)B	54.67	56.00	56.00	62.67	63	60.67	100
	88	81	89	74	88	81	100
C121 (ENG-II)A	87.6	70.6	53.4	76.7	78.9	45.6	95
C121 (E NG-II)B	76.75	52.55	60.48	57.88	62.24	41	86

C122 (M-III)A	89.81	47.46	63	52.74	61.48	31.22	74
C122 (M-III)B	75	58.33	50	55.56	73.61	43.91	46
C123 (AC)A	56.5	63.9	70	66.7	47.5	48	29
C123 (AC)B	60.4	60.3	58	70.3	64.1	66.5	44
C124 (EMT)A	76	63	43	65	58	49	70
C124 (EMT)B	82	69.5	75	55.5	60	45	60
C125 (ES)A	55	62.3	62.7	61.9	52.1	54.7	75
C125 (ES)B	46	59	50	81.9	43.9	40.3	58
C126 (DS)A	92	98	59	77	70	70	44
C126 (DS)B	97	88	93	83	79.5	82	51
C127 (ACL)A	86	86	86	86	86	86	92.73
C127 (ACL)B	81	81	81	81	81	81	96
C128 (ECL-II)A	87.07	85.71	78.23	76.19	60.54	44.22	100
C128 (ECL-II)B	53.33	63.33	79.33	53.33	60.67	72.67	100
C129 (CPL)A	88.18	88.18	92.72	89.09	82.85	85.9	100
C129 (CPL)B	78.06	78.06	85.51	79.88	72.3	74.87	100

Over all attainment:

COURSE Code	Direct	Indirect	Overall Course
C111 (ENG-I)A	2.46	2.06	2.38
C111 (ENG-I)B	2.39	1.98	2.308
C112 (M-I)A	1.72	2.00	1.776
C112 (M-I)B	1.67	1.96	1.728
C113 (M-II)A	1.64	2.01	1.714
C113 (M-II)B	1.88	1.96	1.896

C114 (AP)A	2.27	1.98	2.212
C114 (AP)B	2.14	1.99	2.11
C115 (CP)A	1.52	2.05	1.626
C115 (CP)B	1.85	1.98	1.876
C116 (ED)A	1.84	2.03	1.878
C116 (ED)B	1.95	2.02	1.964
C117 (ECL-I)A	1.88	2.09	1.922
C117 (ECL-I)B	1.99	2.01	1.994
C118 (APL)A	2.21	2.01	1.81
C118 (APL)B	1.6	2.01	1.682
C119 (APVL)A	3	2.01	2.802
C119 (APVL)B	3	1.93	2.786
C11A (EWS/ITWS)A	1.6	2.02	1.684
	2.2	2.02	2.164
C11A (EWS/ITWS)B	2	1.91	1.982
	2.67	1.91	2.518
C121 (ENG-II)A	2.54	2.00	2.432
C121 (ENG-II)B	2.38	2.06	2.316
C122 (M-III)A	2.24	2.09	2.21
C122 (M-III)B	1.85	2.02	1.884
C123 (AC)A	1.67	1.98	1.732
C123 (AC)B	1.76	2.01	1.81
C124 (EMT)A	1.96	2.05	1.978
C124 (EMT)B	2.09	2.03	2.078
C125 (ES)A	2.22	1.98	2.172
C125 (ES)B	1.94	2.00	1.952

C126 (DS)A	1.91	2.00	1.928
C126 (DS)B	2.04	1.99	2.03
C127 (ACL)A	2.8	2.02	2.644
C127 (ACL)B	2.85	2.03	2.3246
C128 (ECL-II)A	1.63	2.02	1.708
C128 (ECL-II)B	2.07	1.91	2.038
C129 (CPL)A	2.56	2.01	2.45
C129 (CPL)B	2.03	2.07	2.038

8.5 Attainments of Program Outcomes from First Year Courses (20)
8.5.1 Indicate results of evaluation of each relevant PO and /or PSO, if applicable (15)

The relevant Program outcomes that are to be addressed at first year need to be identified by the institution.Program Outcome attainment levels shall be set for all relevant POs and / or PSOs *through first year courses (Describe the assessment processes that demonstrate the degree to which the Program Outcomes are attained through first year courses and document the attainment levels Also include information on assessment processes used to gather the data upon which the evaluation of each Program Outcome is based indicating the frequency with which these processes are carried out)*

PO Attainment: Mention first year details from table 3.1.3

PO Attainment:

Course	PO1	PO2	PO3	PO4	PO5	PO 6	PO7	PO8	PO9	PO1 0	PO1 1	PO12
C111 (ENG-I)A	1.47	-	2.53	-	-	2.53	2.53	2.53	2.53	3.65	-	2.53
C111 (ENG-I)B	1.42	-	2.46	-	-	2.46	2.46	2.46	2.46	3.65	-	2.46
C112 (M-I)A	2.37	1.58	-	-	1.58	-	-	-	-	-	-	1.58
C112 (M-I)B	2.30	1.54	-	-	1.54	-	-	-	-	-	-	1.54
C113 (M-II)A	2.29	1.52	-	-	1.52	-	-	-	-	-	-	-
C113 (M-II)B	2.53	1.69	-	-	1.69	-	-	-	-	-	-	-
C114 (AP)A	2.65	1.77	-	-		-	-	-	-	-	-	-
C114 (AP)B	2.53	1.69	-	-	-	-	-	-	-	-	-	-

C115 (CP)A	1.70	1.57	1.57	-	1.57	-	-	-	-	-	-	1.18
C115 (CP)B	2.07	1.91	1.91	-	1.91	-	-	-	-	-	-	1.43
C116 (ED)A	1.84	1.84	-	-	-	-	-	-	-	-	-	-
C116 (ED)B	2.69	2.69	-	-	-	-	-	-	-	1.34	-	0.89
C117 (ECS-I)A	-	-	-	-	-	-	1.92	1.92	1.92	1.92	-	1.92
C117 (ECS-I)B	-	-	-	-	-	-	1.99	1.99	1.99	1.99	-	1.99
C118 (APL)A	2.17	1.08	-	-	2.17	-	-	-	-	-	-	-
C118 (APL)B	2.01	1.01	-	-	2.01	-	-	-	-	-	-	-
C119 (APVL)A	2.34	1.56	-	-	-	-	-	-	-	-	-	-
C119 (APVL)B	2.32	1.55	-	-	-	-	-	-	-	-	-	-
C11A	1.88	-	1.72	-	-	-	-	-	1.57	-	-	1.57
(EW&ITWS)A	1.58	2.22	2.70	-	-	-	-	-	-	-	-	-
C11A	2.21	-	2.03	-	-	-	-	-	1.85	-	-	1.85
(EW&ITWS)B	1.84	2.58	2.85	-	-	-	-	-	-	-	-	-
C121 (ENG-II)A	1.79	1.43	2.86	-	2.86	2.86	2.68	1.43	2.86	3.58	-	2.86
C121 (ENG-II)B	1.70	1.36	2.72	-	2.72	2.72	2.68	1.34	2.72	3.36	-	2.72
C122 (M-III)A	2.65	1.77	-	-	1.92	-	-	-	-	-	-	-
C122 (M-III)B	2.26	1.51	-	-	1.58	-	-	-	-	-	-	-
C123 (AC)A	0.91	1.82	1.82	-	-	1.82	2.28	-	-	-	-	-
C123 (AC)B	0.95	1.91	1.91	-	-	1.91	2.38	-	-	-	-	-
C124 (EMT)A	2.80	1.87	1.40	1.87	-	-	-	-	-	-	-	-
C124 (EMT)B	2.94	1.96	1.47	1.96	-	-	-	-	-	-	-	-
C125 (ES)A	1.28	-	1.28	-	-	2.56	3.19	-	2.56	-	-	-
C125 (ES)B	1.15	-	1.15	-	-	2.30	2.87	-	2.30	-	-	-
C126 (DS)A	1.59	1.59	2.39	2.39	-	-	-	-	-	1.59	2.39	1.59
C126 (DS)B	1.68	1.68	2.52	2.52	-	-	-	-	-	1.68	2.52	1.68
C127 (ACL)A	2.12	2.12	-	-	-	3.17	3.17	-	-	-	-	-
C127 (ACL)B	1.86	1.86	-	-	-	2.79	2.79	-	-	-	-	-
C128 (ECL-II)A	1.09	1.09	1.09	-	2.19	1.09	2.19	2.19	-	2.19	-	2.19
C128	1.31	1.31	1.31	-	2.61	1.31	2.61	2.61	-	2.61	-	2.61

(ECL-II)B												
C129 (CPL)A	2.67	2.67	2.67	-	1.78	-	-	-	-	-	-	-
C129 (CPL)B	2.22	2.22	2.22	-	1.48	-	-	-	-	-	-	-
attainment	1.98	1.75	2.03	2.19	1.95	2.29	2.55	2.06	2.28	2.51	2.46	1.92

8.5.2 Actions taken based on the results of evaluation of relevant POs (5)
(The attainment levels by direct (student performance) are to be presented through Program level Course-PO matrix as indicated)

PO Attainment Levels and Actions for improvement- 2017-18 –Mention for relevant POs

POs	TargetLevel	AttainmentLevel	Observations
PO1:Statement as mentioned in Annexure I			
PO1	2.08	1.98	Attainment is low in the few basic science courses due to gaps in fundamental knowledge which are applicable in the curriculum
Action 1: Problem solving classes which targets the basic knowledge in science and engineering **Action 2:** Video lectures on the topic from open sources **Action 3:** Bridge courses for the first year at the beginning of the semester to cover the gap so that they may grasp the fundamentals in a better way.			
PO2:Statement as mentioned in Annexure I			
PO2	1.77	1.75	Students have difficulty in understanding the complex theories of Physics and Maths
Action 1: Visual learning can enhance the understanding and more examples from real physical processes to be given **Action 2:**Practical approach of teaching programming to be adapted.			
PO3:Statement as mentioned in Annexure I			
PO3	2.01	2.03	Target is achieved
Action1:Workshop and seminar should be planned next year More teaching methods should be used			
PO4:Statement as mentioned in Annexure I			
PO4	2.50	2.19	Attainment is low, because students have difficulty in understanding the applications of EMT and DS.

Action1:Planning to improve in next year			
PO5:Statement as mentioned in Annexure I			
PO5	1.89	1.95	Target is achieved
Action1:Planning to improve in next year:			
PO6:Statement as mentioned in Annexure I			
PO6	2.00	2.29	Target is achieved
Action1:Planning to improve in next year			
PO7:Statement as mentioned in Annexure I			
PO7	2.29	2.55	Target is achieved
Action1:Planning to improve in next year			
PO8:Statement as mentioned in Annexure I			
PO8	1.75	2.06	Target is achieved
Action1:Planning to improve in next year			
PO9:Statement as mentioned in Annexure I			
PO9	1.93	2.28	Target is achieved
Action1:Planning to improve in next year			
PO10:Statement as mentioned in Annexure I			
PO10	2.30	2.51	Target is achieved
Action1:Planning to improve in next year			
PO11:Statement as mentioned in Annexure I			
PO11	3.00	2.46	Attainment is low in the few basic science courses C117,C126 due to lack of awareness for first year students

Action1: Awareness camp should be conducted				
PO12:Statement as mentioned in Annexure I				
PO12	1.90	1.92	Target is achieved	
Action1:Planning to improve in next year				

Note: PSOs, if applicable to be added appropriately

Criterion 9	Student Support Systems	50

9. Student Support Systems (50)

9.1.Mentoring system to help at individual level (5)

Type of mentoring: Professional guidance/ career advancement/ course work specific/ laboratory specific all-round development. Number of faculty mentors, Number of students per mentor, Frequency of meeting.

(The institution may report the details of the mentoring system that has been developed for the students for various purposes and also state the efficacy of such system)

Type of Mentoring: All-round development

- Effective Student mentoring System (SMS) has already been implemented in our College.
- All college students come under this system from the date of joining the college.
- Each faculty is allocated with 15-20 students under the mentor system.
- Each mentor keeps a record of all details such as parent / guardian's name, addresses, contact numbers, attendance and academic details.
- The faculties will meet periodically with students and discuss their academic progress and all their activities and review them in the register.
- Counseling for weak academic students is provided and support is provided to improve them.
- Meritorious students for all the years are felicitated for their scholastic achievement, which motivates other potential students towards such excellence.
- Apart from academic guidance, all mentors encourage the students' participation in co-curricular, extra-curricular and other professional activities to motivate and stimulate their overall growth.
- Mentors will be submitting the record to the high level Mentoring /Counseling committee at the end of the semester.

Counselling/ Mentoring System:

All Departments do maintain Mentoring system at three levels. HOD monitors the mentoring of entire department. Class In charges monitor the mentoring of their assigned classes and mentors do the actual mentoring of the assigned students. Each class is headed by a class in charge to monitor the mentoring of each and every student.

Mentoring mainly focuses on the course work, attendance, and professional guidance. Its main objective is the overall development of students.

Number of students allotted per mentor: 20 (Maximum)

Total number of mentors: 19 (ECE)

Frequency of meeting: Fortnight

Sample Mentor Allotment Table of II ECE II Semester

Sl.No	Range of Students	Mentor Name	No. Of Students
1	17MQ1A0402 to 17MQ1A0421	Smt K. Swarajya Lakshmi	20
2	17MQ1A0422 to 17MQ1A0441	Sri.K.Pithamber	20
3	17MQ1A0442 to 17MQ1A0455 & 18MQRAO401TO 408	Sri A.Ravishankar	20

Objectives of mentoring and roles of mentor:

- Students can freely interact with their counsellor to express their problems.
- Provide support, encouragement, and positive perspectives.
- Give feedback on observed behaviour and report performance.
- Encourage students to utilize campus resources.
- Notify the attendance of the students and intimate to their parents and alert them to be regular to the classes.
- Notify the backlogs if any and alert the students to focus on academics.
- Motivate students to achieve academic excellence by guiding them to set goals.

Outcome: As the mentoring program has enhanced and implemented in the academic year there was lot of change in the academic performance and regularity of the students.

Case Study:

K KondalaRao of IV year Bearing Register Number 16MQ1A0413 is pursuing B.Tech in Electronics and Communication Engineering. He is one such person who got benefited by mentoring. By the end of third year first semester he has 9 arrears, after counselling and continuous monitoring by mentor he cleared 5 arrears inthird year second semester. He cleared all the courses in 4^{th} year 1^{st} semester.

Sample Proforma of Counselling Record

Counsellor collects the student's initial details in a well-structured bio data which helps in understanding the key details about the student.

SRI VASAVI
INSTITUTE OF ENGINEERING & TECHNOLOGY
NANDAMURU - 521 369, Pedana Mandal, Krishna Dist.

COUNSELLING RECORD

Regd. No. :

Passport Photo

Name of the Student :
Course :
Department :
Date of Birth : Blood Group :
EAMCET / ECET Rank :
Percentage of Marks 10th : Intermediate :
Day Scholar / Hostler : Room No In case of Hostler
Mode of Travel :
Hobbies : Music / Sports & Games / Other :
Special Talents :
Prizes Won :

Address :	Communication	Permanent
Pin		Pin
Tel. :		Tel. :
Mobile :		Mobile :
E-mail :		E-mail :

1

PERFORMANCE IN EXAMS :

I^st YEAR

	First Semester								Second Semester							
	Theory Subjects	Quiz I	Quiz II	Mid I	Mid II	Tut.	Ass.	Int. 30	Univ. 70	Theory Subjects	Quiz I	Quiz II	Mid I	Mid II	Tut.	Ass	Int. 30	Univ. 70
		5 M	5 M	15 M	15 M	5M	5M				5 M	5 M	15 M	15 M	5M	5M		
1										1								
2										2								
3										3								
4										4								
5										5								
6										6								
	LABORATORY SUBJECTS							Int. 25	Univ. 50	LABORATORY SUBJECTS							Int. 25	Univ. 50
1										1								
2										2								
3										3								
4										4								
	PERCENTAGE									PERCENTAGE								

II^nd YEAR

	First Semester								Second Semester							
	Theory Subjects	Quiz I	Quiz II	Mid I	Mid II	Tut.	Ass.	Int. 30	Univ. 70	Theory Subjects	Quiz I	Quiz II	Mid I	Mid II	Tut.	Ass.	Int. 30	Univ. 70
		5 M	5 M	15 M	15 M	5M	5M				5 M	5 M	15 M	15 M	5M	5M		
1										1								
2										2								
3										3								
4										4								
5										5								
6										6								
	LABORATORY SUBJECTS							Int. 25	Univ. 50	LABORATORY SUBJECTS							Int. 25	Univ. 50
1										1								
2										2								
3										3								
4										4								
	PERCENTAGE									PERCENTAGE								

2

ATTENDANCE (Cumulative) :

Year	Month	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1st Year	Attendance %												
2nd Year	Attendance %												
3rd Year	Attendance %												
4th Year	Attendance %												

DATE OF INTIMATION TO PARENTS:

I Year		II Year		III Year		IV Year	
1st Sem	2nd Sem	1st Sem	2nd Sem	1st Sem	2nd Sem	1st Sem	2nd Sem
1.	1.	1.	1.	1.	1.	1.	1.
2.	2.	2.	2.	2.	2.	2.	2.
3.	3.	3.	3.	3.	3.	3.	3.
4.	4.	4.	4.	4.	4.	4.	4.

PARENT'S ACKNOWLEDGEMENT

	I Year		II Year		III Year		IV Year	
	1st Sem	2nd Sem	1st Sem	2nd Sem	1st Sem	2nd Sem	1st Sem	2nd Sem
Signature								
Date								
Signature								
Date								
Signature								
Date								
Signature								
Date								

4

SRI VASAVI
INSTITUTE OF ENGINEERING & TECHNOLOGY
NANDAMURU - 521 369, Pedana Mandal, Krishna Dist.

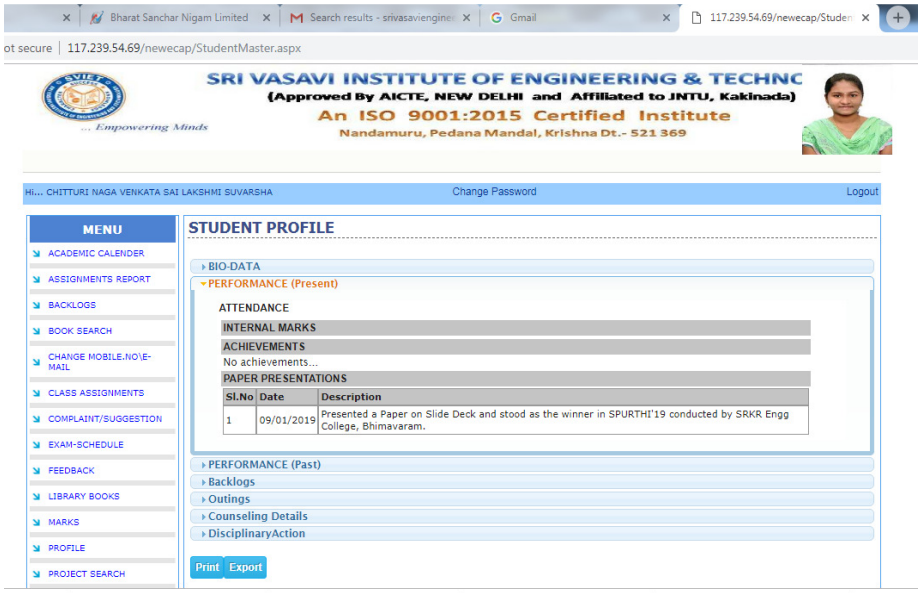
COUNSELLING RECORD

Regd. No. : 1 7 M Q 1 A 0 4 5 6

Name of the Student : ATMURI ROSHINI
Course : B.Tech
Department : ECE
Date of Birth : 24-08-2000 Blood Group : B+
EAMCET / ECET Rank : 29814
Percentage of Marks 10th : 93 Intermediate : 97%
Day Scholar / Hostler : Room No. In case of Hostler
Mode of Travel : BUS
Hobbies : Music / Sports & Games / Other : WESTERN MUSIC, carroms, shuttle
Special Talents :
Prizes Won : In ELECTUTION

Address :	Communication	Parmanent
D.No. 19/699-8A		
SBI colony,		
CHILAKALAPUDI,		
MACHILIPATNAM.		
Pin 521002		Pin
Tel. :		Tel. :
Mobile : 9701516039		Mobile : 9908010245
E-mail : roshiniatmuri00@gmail.com		E-mail :

Co-curricular and extra-curricular activities related achievements are tracked through ECAP software for the students. A sample profile of student is shown below



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

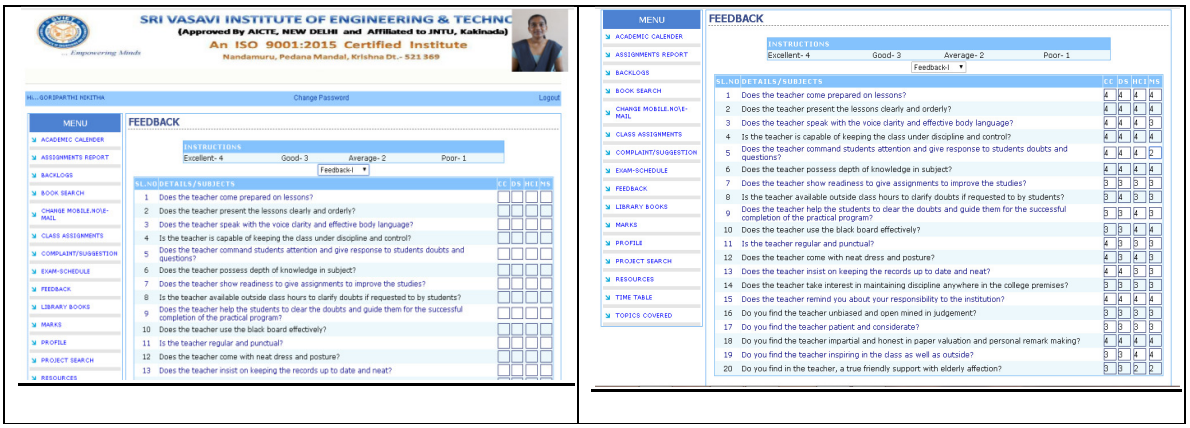
Feedback collected for all courses: YES/NO; Specify the feedback collection process; Average Percentage of students who participate; Specify the feedback analysis process; Basis of reward/ corrective measures, if any; Indices used for measuring quality of teaching & learning and summary of the index values for all courses/teachers; Number of corrective actions taken.

Feedback system is well-organized in this institute. The students can give their online feedback by logging in to the Feedback software using their ID. Once they log in to the software, list of courses and corresponding faculty members for that student is displayed. Students give their feedback according to a questionnaire which enables them to give their opinion as Excellent, Good, Average or Poor., which is analysed through the software.

- A feedback index (in a scale of 4) is calculated for each course for all faculty members, which may be considered as a measure of student's satisfaction.
- Various parameters of course-wise feedback report is graphically plotted for different faculty members which gives an overall idea of the quality of teaching-learning process for different courses.
- The students are also allowed to write whatever comments they want to make about the teachers which will be finally checked by Principal and HOD and is forwarded to the facultyconcerned.
- The feedback report is shared with each individual faculty member for further improvement.
- Report of recommendation for improvement of individual faculty members of different departments are shared with concerned HODs for necessary action.

S.No.	Item	Response
1	Feedback collected for all courses	Yes
2	Specify the feedback collection process	Online feedback is collected
3	Frequency	Twice per Semester
3	Who collects the feedback	Feedback is collected centrally at the Institutional level
4	When feedback is collected	In the 3rd Week of semester and after first mid of the semester.
5	Percentage of students participating	70% on an average
6	Basis of reward / corrective measures	Faculty members with feedback index below a pre-defined value are forwarded to higher authorities for corrective actions. This feedback index is also considered as one of the parameters for identifying faculty for felicitation.

Format for Feedback on Faculty/Teaching & Learning



Sample of feedback analysis on teaching – class

Academic Year: 2017-2018 Semester: I

Program/Department: B.Tech CSE, Feedback taken from: III Year

S.No.	Subject Name	Name of the Faculty	Feedback %
1	Compiler Design	P.ASHOK KUMAR	77
2	Principles Of Programming Languages	JVN.RAJU	84
3	Database Management Systems	M.SRINIVASA RAO	85
4	Operating Systems	MD AMEER RAZA	86
5	Data Communications	D.V. SRIDHAR	85
Department Feedback on Teaching(Average)			83.4

Academic Year: 2017-2018 Semester: I

Program/Department: B.Tech ECE, Feedback taken from: III Year

S.No.	Subject Name	Name of the Faculty	Feedback %
1	Computer Architecture And Organization	K.G.V.NAGESWARA RAO	84
2	Linear I C Applications	K.P.R.RATNA RAJU	88
3	Digital I C Applications	K.SAI SUDHEER	83
4	Digital Communications	G.S.V.N.V.BABU	73
5	Antenna And Wave Propagation	A.CHANDRA SURESH	91
6	Professional Ethics & Human Values	K.BHAVANI	85
Department Feedback on Teaching(Average)			84

Academic Year: 2017-2018 Semester: I

Program/Department: B.TechMech, Feedback taken from: III Year

S.No.	Subject Name	Name of the Faculty	Feedback %
1	Dynamics Of Machinery	CH.ANUSHA	79
2	Metal Cutting & Machine Tools	K.RAVI	80
3	Design Of Machine Members	V.SAI MOUNICA	80
4	Operations Research	P.AJAY KUMAR	71
5	Thermal Engineering -II	A RAJESH	69
	IPR & Patents	K.BHAVANI	79
Department Feedback on Teaching(Average)			76.33

For the Academic Year 2017-2018, appreciation was given to faculty members on the basics of feedback from students, Academic results, overall contribution to the department and Institution, From the Head of the department and Principal

Sl. No.	Faculty Name	Designation	Overall Rating	Academic Year/Sem
1.	Sri K.PITHAMBER	Assistant Professor	91	2017-2018 II/II

Number of corrective actions taken:

After taking feedback on teaching and learning few faculty members were questioned and suggested to improve their performance based on the feedback obtained from the students and other aspects. The suggestion led to improvements in their performance and quality of teaching by sending the concerned faculty members to Faculty Development Programs and Suggesting them to watch NPTEL videos available in centrallibrary.

Sl. No.	**Faculty Name**	**Designation**	**Overall Rating**	**Academic Year/Sem**
1	Mr Chandra Suresh	Assistant Professor	64%	2017-2018 II/I
2	MrK.SaiSudheer	Assistant Professor	67%	2017-2018 II/I

9.3.Feedback on facilities (5)

Assessment is based on student feedback collection, analysis and corrective action taken.

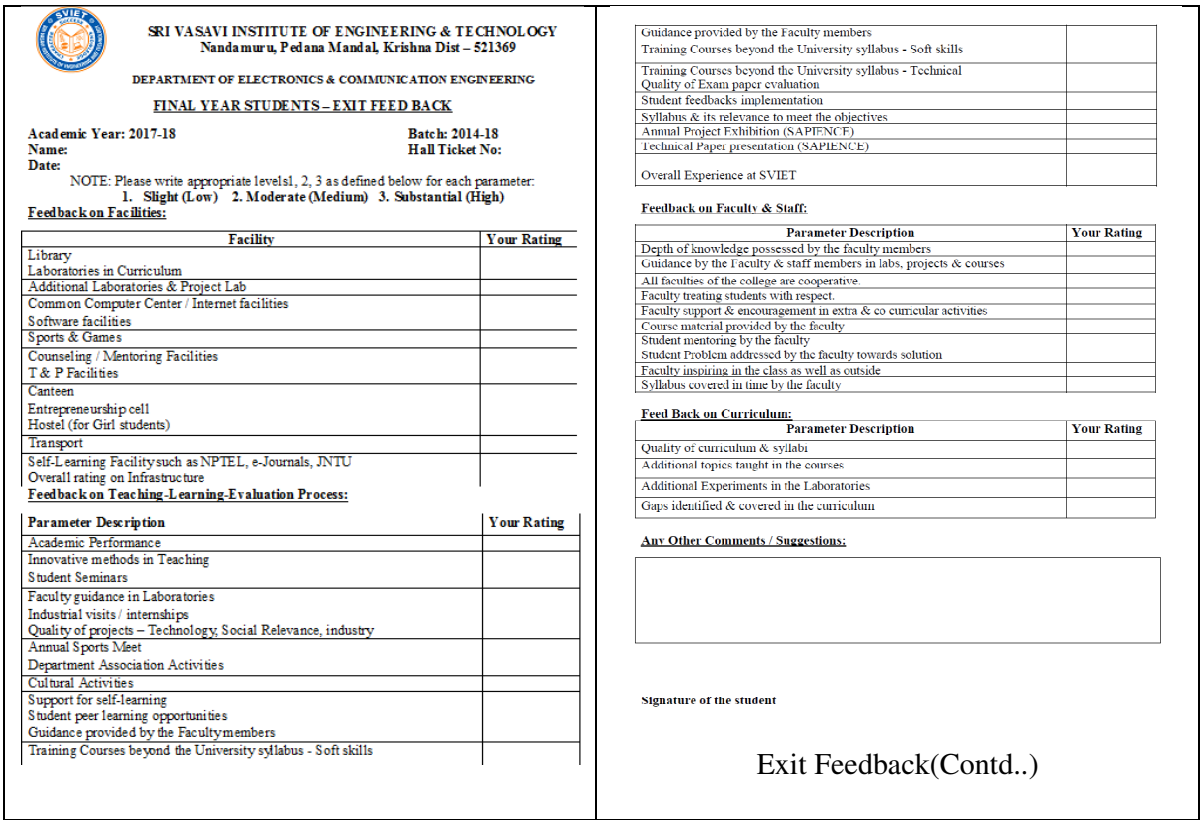
Introduction:

Management provides excellent infrastructural and general facilities to the students. Still Feedback is taken on facilities from the student to serve them better. It is analysed at the department level and further improvement is done in the area where the feedback is low. Generally feedback is taken from the Final Year students of the department since they have much exposure to all the facilities of the college. Suggestions given by them can be considered and implemented. Institution regularly takes feedback on the following facilities.

1. Department facilities
2. Lab facilities
3. Library facilities
4. Engineering computing center
5. Training & Placement Cell
6. General facilities

Feedback Collection

1. The students are given questions concerning all the above said facilities. The questionnaire is designed to enable them to give their opinion as Excellent, Very Good, or Satisfactory.
2. Feedback on facilities is collected generally one time in a year from final year students, faculty and external stake holders of the institutionSample External Stakeholders Feedback form



SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY
Nandamuru, Pedana Mandal, Krishna Dist – 521369

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

FINAL YEAR STUDENTS – EXIT FEED BACK

Academic Year: 2017-18 **Batch: 2014-18**
Name: **Hall Ticket No:**
Date:

NOTE: Please write appropriate levels1, 2, 3 as defined below for each parameter:
1. Slight (Low) 2. Moderate (Medium) 3. Substantial (High)

Feedback on Facilities:

Facility	Your Rating
Library Laboratories in Curriculum	
Additional Laboratories & Project Lab	
Common Computer Center / Internet facilities Software facilities	
Sports & Games	
Counseling / Mentoring Facilities T & P Facilities	
Canteen Entrepreneurship cell Hostel (for Girl students)	
Transport	
Self-Learning Facility such as NPTEL, e-Journals, JNTU Overall rating on Infrastructure	

Feedback on Teaching-Learning-Evaluation Process:

Parameter Description	Your Rating
Academic Performance	
Innovative methods in Teaching Student Seminars	
Faculty guidance in Laboratories Industrial visits / internships Quality of projects – Technology, Social Relevance, industry	
Annual Sports Meet Department Association Activities	
Cultural Activities	
Support for self-learning Student peer learning opportunities Guidance provided by the Faculty members	
Training Courses beyond the University syllabus - Soft skills	
Guidance provided by the Faculty members Training Courses beyond the University syllabus - Soft skills	
Training Courses beyond the University syllabus - Technical Quality of Exam paper evaluation	
Student feedbacks implementation	
Syllabus & its relevance to meet the objectives	
Annual Project Exhibition (SAPIENCE)	
Technical Paper presentation (SAPIENCE)	
Overall Experience at SVIET	

Feedback on Faculty & Staff:

Parameter Description	Your Rating
Depth of knowledge possessed by the faculty members	
Guidance by the Faculty & staff members in labs, projects & courses	
All faculties of the college are cooperative.	
Faculty treating students with respect.	
Faculty support & encouragement in extra & co curricular activities	
Course material provided by the faculty	
Student mentoring by the faculty Student Problem addressed by the faculty towards solution	
Faculty inspiring in the class as well as outside	
Syllabus covered in time by the faculty	

Feed Back on Curriculum:

Parameter Description	Your Rating
Quality of curriculum & syllabi	
Additional topics taught in the courses	
Additional Experiments in the Laboratories	
Gaps identified & covered in the curriculum	

Any Other Comments / Suggestions:

Signature of the student

Exit Feedback(Contd..)

Assessment is based on student feedback collection, analysis and corrective action taken

Corrective action taken

1. Department library is arranged with a provision of seating arrangement is done.
2. Space is allotted for students in library with proper seating and ventilation.
3. Journal access is provided to students in main library.
4. Fire safety Equipment is provided for emergency purpose.
5. Greenery is increased by a way of plantation.
6. Wheel chair facility is provided.

9.4. Self-learning(5)

To encourage self-learning for the students the following facilities are made available to students

Introduction

The college believes that self-learning and learning beyond syllabus have a great scope in the development of the career of an engineer. Everything in engineering cannot be taught in the class room or laboratories. The explosion in knowledge related to applied science and engineering during the last century has been so much that four years is too short period even to cover one branch of engineering. This fact calls for the relevance for self-learning for young engineers. What an institution should do is to provide adequate facilities for self-learning to the students so that they get motivated to learn more and more and ultimately become life-long learners and

innovators. Library, Internet and Sports hours are included in time tables to improve learning ability by using facilities available.

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY (Code: MQ)
Approved By AICTE, NEW DELHI ., Affiliated to JNTUK, Kakinada
An ISO 9001:2015 Certified Institute Nandamuru, Pedana Mandal, Krishna Dt.- 521 369
Tel : 08672 241387

TIME TABLE

Course : B.Tech
Branch : Electronics & Communications Engineering
Semester : 2/4 Semester-II
Section : 1
w.e.f : 19/11/2018
Room.No : B1-103

Day of week	Period 1 09:15 AM 10:05 AM	Period 2 10:05 AM 10:55 AM	10:55 AM 11:10 AM	Period 3 11:10 AM 12:00 PM	Period 4 12:00 PM 12:50 PM	12:50 PM 01:25 PM	Period 5 01:25 PM 02:10 PM	Period 6 02:10 PM 02:55 PM	02:55 PM 03:05 PM	Period 7 03:05 PM 03:50 PM	Period 8 03:50 PM 04:35 PM
Mon	MS	CS	B	EMTL	LIB	L	ECA	PD(E1)	B	EMTL(E1)	SEM
Tue	PDC	AC	R	CS(E)	PD(E2)	U	ECA	INT	R	CS(T)	PDC(T)
Wed	CS	EMTL	E	ECA	AC	N	MS	ECA Lab\AC Lab	E	ECA Lab\AC Lab	ECA Lab\AC Lab
Thu	EMTL	MS	A	ECA	PDC	C	AC(E)	CS	A	ECA(T)	AC(T)
Fri	AC	AC Lab\ECA Lab	K	AC Lab\ECA Lab	AC Lab\ECA Lab	H	EMTL(T)	ECA(T)	K	PDC	EMTL(E2)
Sat	AC	ECA(E)		MS	CS		EMTL	PDC		MS(E)	COUN/SPORT

Allocation of Subjects

Subject Code	Subject	Name of Faculty	Faculty Initials
ECA	Electronic Circuit Analysis	DR.M.SRINIVASULU	
CS	Control Systems	A. RAVI SHANKAR	
EMTL	Electromagnetic Waves And Transmission Lines	K.PITHAMBER	
AC	Analog Communications	K.SWARAJYA LAKSHMI	
PDC	Pulse And Digital Circuits	G.S.ANNAPURNA	
MS	Management Science	K.BHAVANI	
ECA Lab	Electronic Circuit Analysis Lab	A. RAVI SHANKAR,K.PITHAMBER	
AC Lab	Analog Communications Lab	B.PHANEENDRA KUMAR,K. SATEESH KUMAR	
SEM	Seminar	P ANNAPURNA	
LIB	Library	P ANNAPURNA	
COUN/SPORT	Counselling/Sports	K.SWARAJYA LAKSHMI	
MS(E)	MANAGEMENT SCEINCE(E)	K.BHAVANI	
ECA(E)	ECA(E)	DR.M.SRINIVASULU	
AC(E)	AC(E)	K.SWARAJYA LAKSHMI	
PDC(E)	PDC(E)	G.S.ANNAPURNA	
CS(E1)	CS(E1)	A. RAVI SHANKAR	
CS(E2)	CS(E2)	A. RAVI SHANKAR	
EMTL(E)	EMTL(E)	K.PITHAMBER	
ECA/PDC(T)	ECA/PDC(T)	G.S.ANNAPURNA,DR.M.SRINIVASULU	
PDC/EMTL-T	PDC/EMTL-T	G.S.ANNAPURNA,K.PITHAMBER	
CS/AC(T)	CS/AC(T)	A. RAVI SHANKAR,K.SWARAJYA LAKSHMI	
AC/CS(T)	AC/CS(T)	A. RAVI SHANKAR,K.SWARAJYA LAKSHMI	
EMTL/ECA-T	EMTL/ECA-T	K.PITHAMBER,DR.M.SRINIVASULU	
DT/CO.C.A	DT/CO.C.A	D.ADITHYA KUMAR	
INT	INTERNET	K.SWARAJYA LAKSHMI	
AC/EMTL(T)	AC/EMTL(T)		
CS/ECA(T)	CS/ECA(T)		
PDC/AC(T)	PDC/AC(T)		
EMTL(E1)	EMTL(E1)	K.PITHAMBER	
EMTL(E2)	EMTL(E2)	K.PITHAMBER	
CS(E)	CS(E)		
EMTL/CS(T)	EMTL/CS(T)		
PD(E1)	PD(E1)	G.S.ANNAPURNA	
PD(E2)	PD(E2)	G.S.ANNAPURNA	
CS(T)	CS(T)	A. RAVI SHANKAR	
ECA(T)	ECA(T)	DR.M.SRINIVASULU	
EMTL(T)	EMTL(T)	K.PITHAMBER	
AC(T)	AC(T)	K.SWARAJYA LAKSHMI	
PDC(T)	PDC(T)	G.S.ANNAPURNA	
AC(E1)	AC(E1)		
AC(E2)	AC(E2)		

Time Table In-Charge | HOD Department of Electronics & Communications Engineering | Principal

Motivation for self-learning should be provided in the classrooms. A teacher has a great role to play in this. Discussing subject beyond the syllabus, providing exposure to exciting developments in science and technology around the globe, attempting solutions to problems in

daily life etc. are the ways to motivate students for self-learning. They should also be motivated to do things themselves so that they gain confidence to try anything with their own hands.

Facilities provided for the continuity of self-learning:

1. Central library:

Central Library supports the teaching and research programs of the institute and provides facilities for general reading and disseminates information according to the requirement of the user. The services and operations in the central library are fully computerized. The library is always open from 08:00 A.M to 06:00 P.M for use. The collection comprises textbooks, general reference material and small selections of serials and CD ROMs. For continual improvement Students are allocated with a library hour in the curriculum.

<table>
<tr><td>  </td><td>  </td></tr>
<tr><td>Central Library</td><td>Books</td></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td>Digital Library</td><td>Books Issue</td></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td>Reading Hall</td><td>Journals & Periodicals</td></tr>
</table>

BRANCH-WISE DISTRIBUTION OF BOOKS AND JOURNALS

S. No	Branch	Titles	Volumes	Interactional Journals	National Journals	Magazines	E-Journals	E-Books
1	CIVIL	332	2932	3	2	2	112	46
2	EEE	320	2288	6	1	1	43	
3	MECH	357	2962	6	3	0	74	78
4	ECE	447	3581	3	2	1	43	152
5	CSE	659	4906	3	2	2	170	1313
6	BS&H	530	4492	1	5	6	465	
TOTAL		**2645**	**21161**	**22**	**15**	**12**	**907**	**1589**

2. Digital Library:

1. Digital Library is also provided for the continuous updating of recent techniques. Internet facility is available for Staff & Students.1589 e-books, 907 e-journals.

Students Accessing Digital Library

Students Accessing Digital Library

3. NPTEL (National Program Technical Enhanced Learning)

NPTEL Classes are also regularly conducted to the students in order to upgrade their technical knowledge on various courses. The main objectives of NPTEL (national programme on technology enhanced learning) is to enhance the quality of engineering & science education in the country by developing contents for undergraduate and post graduate curricula using web based background.

These courses cover the syllabi prescribed by universities and approved by AICTE. Course contents will be useful for teachers training and through them the quality of students. These can be used by professionals for updating their academic background.

NPTEL Online Certification Course:

NPTEL started offering certification on courses offered in the open online mode with an objective of enabling students to obtain certificates from courses is to, make students employable in the industry or to purchase a suitable higher education programme.

The Features Are

1. The Course Enrolment and Learning Is Free While the Exam Comes For normal Fee.
2. The Courses are offered by the faculty of IIT'S, CMIand IMSCetc.which are of duration 10, 20 or 40 hrs.
3. Lessons and assignments are released every week. Also there is a discussion forum in which student gets a certificate.

Benefits for a student who participates in an NPTEL online certification course:

1. Students gain tangible end results.
2. Students can review and assess their own progress through Assignments (weekly).
3. Continuous assessment and interaction with course faculty.
4. Discussion forum of like minds to discuss problem areas.
5. Students get access to mentors certificate from the IITs, to improve job prospects

NPTEL Local Chapter:

It is partnership between the college and NPTEL. To take this initiative forward and to encourage more students across colleges to participate in this initiative, NPTEL are setting up NPTEL chapter in colleges (with the approval of the management) which will be under the headship of a faculty member of the college, who would be single point of contact (SPOC).

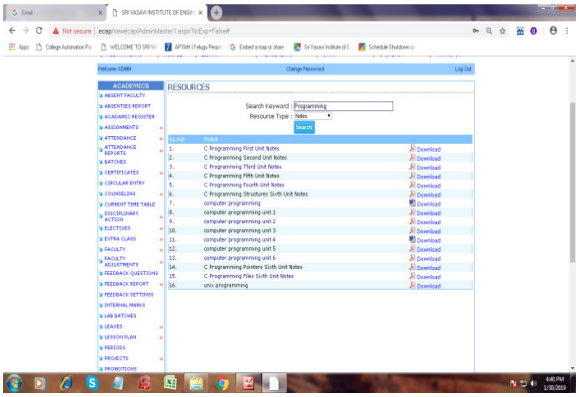
NPTEL will keep the SPOC updated about all the latest NPTEL initiatives and give him/her information which he/she can disseminate among the students. He/ she can identify suitable mentors for various courses, who can ensure that students are active in a course, are submitting their assignments on time and also clarify the doubts they may have.

S.No.	Students enrolled	Students appeared for examination	Top 5%	Gold	Elite	Overall Success percentage
1.	873	105	2	3	54	97.14

4. ECAP Explanation

Engineering College Automation Package software, this aims at immediate availability of Student academic subject related information and availability of data in required formats that Ease the work of staff and management. Here Student can view and download the resources (EBooks, Question banks) uploaded by the faculty**.**

E Books Information & Question Banks Information:



9.5Career Guidance, Training and Placement (10)

The standard of any educational institution is generally measured by its academic excellence and the success in placements. To be able to get placed in various companies, students are required to have a good grip and proficiency in Aptitude, Reasoning, Verbal and Communication Skills.

It is to meet this vital requirement and the competitive standard and achieve this target, the Training placement & Career Guidance Cell was established with team of potential and professional trainers in the areas of Aptitude, Reasoning, verbal and Soft Skills.

The prime objective of the Training and Placement Career Guidance Cell is to create premier opportunities for the SVIET students by promising jobs in reputed organizations. To accomplish this objective, the Placement Cell identifies corporate companies in various sectors and initiates the process of building a mutually rewarding relationship with them. The Placement Cell has been instrumental in associating itself with corporate giants to conduct various Industry Institute initiatives. Various technical and literary events are conducted to practically enhance their communicative abilities and to equip them also with a holistic potential which will help them to face emerging challenges in the context of globalization. Over the time it has proved itself most successful with outstanding success in the ascendance of success in placements.

1. FUNCTIONS OF THE TRAINING CELL:

1. Collects and maintains the students' database for the purpose of T&P activities
2. Enables the training need analysis for all the students basing on the same, plans for imparting the necessary skills such as soft skills and technical skills.
3. Arranges for an interaction with industry and bridges the gap between Institute and industry.
4. Arranges the special sessions for providing the contemporary trends and developments in the technology and tools to the students
5. The Training Cell conducts lectures on personality development, communication skills and conducts mock sessions for improving presentation skills.
6. Assists companies in the recruitment process by conducting interviews, group
7. Discussions, Written tests etc. in the Campus. Training given exclusively to the students for the MNC's

PLACEMENT CELL:

8. Collects and maintains the students' database for the purpose of Placement activities
9. Holds the responsibility for identifying placement opportunities across reputed Organizations.
10. Inviting the corporate companies to the College Campus for recruitments
11. Coordinates with Training Head for identifying the training requirements related to Soft and communication skills
12. Conducts Campus Drives with help of department coordinators and volunteers

CAREER GUIDANCE CELL:

13. To give training and guidance to students on career related matters and assist them inexploring new opportunities.
14. To organize Career guidance and motivational lectures by Alumni, entrepreneurs, External guests and faculty
15. To display various job advertisements coming in employment news, opportunities andCareer columns in leading news papers.

Functions	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
F1	-	-	3	-	-	-	1		2	3		2
F2	-	3	-	-	-	-	1		2	3		1
F3	-	3	-	-	-	-	1		2	2		2
F4	-	3	-	2	3	-	1		2	2		2
F5	-	-	-	2	-	-	1		2	3		2
F6	-	-	-	-	-	-	1		3	2		2
F7	-	-	-	2	-	-	1		2	3		2
F8	-	-	3	-	-	-	1		2	3		2
F9	-	-	-	3	-	-	1		2	3		2
F10	-	-	-	2	-	-	1		2	3		2
F11	-	-	-	3	-	-	1		2	3		2
F12	-	-	-	-	-	3	1		2	1		2
F13	-	-	-	-	-	-	1	2	2	3		3
F14	-	-	-	-	-	-	1	2	2	3		3
F15	-	-	-	-	-	-	1	2	2	2		2

2. FACILITIES OF THE CELL

1. Seminar Hall (B1-114) with seating capacity of 200 to conduct Pre-placement Talk
2. Two notice boards are available on the both sides of the room for displaying circulars, updating press clippings & year Planners etc.,
3. One room (B1-007) for training the Group Discussion Activities.
4. 2 LCD projectors for conducting digital classes
5. Motivational posters and images of famous quotes to encourage the students.
6. Integrated Labs with around 100 computers having robust Internet connection for online tests
7. Vast space for offline tests
8. Separate rooms (B1-007) for conduction of Group Discussion and Personal Interview
9. Enthusiastic team of volunteers for assistance

3. MANAGEMENT OF THE CELL

A. COMMITTEE COMPOSITION

The composition of the committee comprises

1.One Training Head
2.Four Faculty members of T&P Cell
3 One faculty member and two students from Department of Mechanical Engineering.
4.One faculty member and two students from Department of Electronics and Communications Engineering.
5.One faculty member and two students from Department of Civil Engineering.
6.One faculty member and two students from Department of Computer Science Engineering.
7.One faculty member and two students from Department of Electrical and Electronics Engineering

B. COMMITTEE MEMBERS

S.NO	NAME	DESIGNATION & DEPARTMENT	POSITION
1	D Adithya Kumar	Associate Professor, EEE	Coordinator
2	K.Sreekanth	Asst. Professor, S&H	Member
3	J S PhaniRam	Asst. Professor, CSE	Member
4	G Srikanth	Asst. Professor, S&H	Member
5	R Jithin Kumar	Asst. Professor,EEE	Member
6	K Soma Sekhar	Asst. Professor, CE	Member
7	A SrinivasaRao	Asst. Professor, EEE	Member
8	N Chandra Sekhar Reddy	Asst. Professor, ECE	Member
9	K Venkatesh	Asst. Professor, CSE	Member
10	K Ravi	Asst. Professor, ME	Member
11	MajetiSruthiMadhuri	15MQ1A0102	Student Member
12	GudavalliVamsi Krishna	16MQ5A0110	Student Member
14	PuttaHemaDevika	15MQ1A0210	Student Member
15	Vikruthi Naga VenkataIndra Prasad	16MQ5A0216	Student Member
16	Katta Naga Raju	16MQ5A0305	Student Member
17	Yarlagadda Ajay Babu	15MQ1A0352	Student Member
18	Chilamkurthy Lakshmi Thanuja	15MQ1A0449	Student ember
19	AmbatiPavan Kumar	15MQ1A0482	Student Member
20	Jalluri Naga VenkataHaneesha	15MQ1A0576	Student Member
21	JupudiManikantaSwamy	16MQ5A0501	Student Member

4. ROLES & RESPONSIBILITIES OF COMMITTEE MEMBERS

A. COORDINATOR

1. To coordinate Training activities in accordance with the student's ability and their demands.
2. To coordinate internal resources available in the form of teaching expertise of teachers for enhancing the knowledge and skills of the students in implementation of the scheme.
3. To coordinate various external resources available in the forms of personality development programs & Student Interactive Sessions.
4. To coordinate with company delegates and inviting them to College for recruiting students.
5. To Schedule the Recruitment-drive based on HR Availability
6. To disclose the list of students eligible for the campus drive
7. To Coordinate during campus drive
8. To collect results from company and issuing the offer letters to the selected candidates
9. To coordinate internal resources available for the smooth conduction of the Recruitment Drive
10. To collect the feedback with Stake Holders and forward it to training department
11. To coordinate Career Guidance activities in accordance with the student's ability and their demands.

B. FACULTY MEMBER

1. To prepare orientation programme for the students, identifying their skills required for achieving the objectives of the scheme.
2. To promote community education through meetings, talks, news bulletins and discussions.
3. To help in formulating Training programmes this will have direct relationship with the academic curriculum.
4. To inform the students about campus drive schedules.
5. To organize the campus drive with help of volunteers
6. To assist companies in the recruitment process in interviews, group Discussions, Written tests on the Campus.

C. STUDENT MEMBER

1. Understand the community in which they work
2. Understand themselves in relation to their community
3. Identify the needs and problems of the community and involve them in problem-solving
4. Utilize their knowledge in finding practical solutions to individual and community problems
5. To inform the students about campus drive schedules
6. To inform the students about mandatory credentials as per the placement cell instruction
7. To check the process of student registrations for the drive and other miscellaneous formalities

5. YEAR PLANNER – MAPPING WITH PO – TRAINING (A.Y :: 2018-19)

S.NO	NAME OF THE ACTIVITY	ACTIVITY DATE	Remarks
1	Summer Training Classes Schedule for Registered Students	23rd April18 to 09th June 2018	Training Conducted for Registered students in MNC pattern

2	Training for CIALFOR Company	30-06-2018 to 03-07-2018	Training Conducted for Eligible Students
3	Training for PROTOTECH SOLUTIONS	11-07-2018 to 16-07-2018	Training Conducted for Eligible Students
4	Training for TCS Code vita Contest	01-08-2018 to 03-08-2018	Online Coding Challenge Conducted for Eligible Students
5	TCS CodeVita-2018 Contest Round 1	4-Aug-18	Online Coding Challenge Conducted for Eligible Students
6	HIREME PRE-ASSES ONLINE Assessment test	5-Aug-18	Assessment Test Conducted for All IV year Students
7	Training for TCS Ninja National Qualifier Test	13-08-2018 to 01-09-2018	Training Conducted for Eligible Students
8	Mock Technical Interviews for TCS Code Vita Shortlisted Students	21-08-2018	Training Conducted for Eligible Students
9	Training COLORS SOFTWARE Company	06-09-2018 to 07-09-2018	Training Conducted for Eligible Students
10	TCS Ninja Mock Interviews	29-09-2019 to 03-10-2018	Training Conducted for Eligible Students
11	VirtusaNeuralhack -2018 Contest Round1	4-Oct-18	Online Coding Challenge Conducted for Eligible Students
12	CO CUBES PRE-ASSES ONLINE Assessment test-1	9-Oct-18	Assessment Test Conducted for Registered Students
13	VirtusaNeuralhack -2018 Contest Round2	15-Oct-18	Online Coding Challenge Conducted for Shortlisted students in I Round
14	Training for WIPRO Company	10-11-2018 to 16-11-2018	Training Conducted for Eligible Students
15	Training for AMARA RAJA BATTERIES LTD	19-11-2018 to 20-11-2018	Training Conducted for Eligible Students
16	Training for CADTECH INDIA Company	30-11-2018 to 07-12-2018	Training Conducted for Eligible Students
17	Training for INFOSYS Company	04-12-2018 to 13-12-2018	Training Conducted for Eligible Students
18	Training for EFFTRONICS Company	22-12-2018 to 23-12-2018	Training Conducted for Eligible Students
19	Training for SILICONUS Company	26-12-2018 to 27-12-2018	Training Conducted for Eligible Students
20	CO CUBES PRE-ASSES ONLINE Assessment test-2	03-01-2019	Assessment Test Conducted for Registered Students
21	Training for FEEDERFOX Company	04-01-2019	Training Conducted for Eligible Students

Year Planner	PO1	PO2	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12
1	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**		**3**
2	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**		**3**
3	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**		**3**
4	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**		**3**

5	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**		**3**
6	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**		**3**
7	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**		**3**
8	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**		**3**
9	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**		**3**
10	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**		**3**
11	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**		**3**
12	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**		**3**
13	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**		**3**
14	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**		**3**
15	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**		**3**
16	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**		**3**
17	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**		**3**
18	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**		**3**
19	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**		**3**
20	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**		**3**
21	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**		**3**

YEAR PLANNER – MAPPING WITH PO – CAREER GUIDANCE CELL(A.Y :: 2018-19)

S.No	NAME OF THE ACTIVITY	ACTIVITY DATE	Remarks
1	**Automation Edge,** Interactive Session (Webinar event)with SnehaliMandale, Executive HR-Talent Acquisition	3-08-2018	Interactive session conducted on PLUG IN creation in robotic process automation (RPA)
2	**JasminInfotech,** Interactive Session with J. Sudhakar , Sr. Embeded Engineer.	22-12-2018	Interactive session conducted on GIS for Students
3	**Adavantage One Technologies,** Interactive Session with E. Siva, Project Manager.	07-01-2019	Interactive session conducted on GIS for Students

Year Planner	PO1	PO2	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12
1	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**	**2**	**3**
2	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**	**2**	**3**
3	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**	**2**	**3**
4	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**2**	**2**	**2**	**3**

6. EVENTS /ACTIVITIES ORGANIZED – TRAINING (A.Y :: 2018-19)

S. No	Date	Name of the Training programs	No of participants	Remark
1	23-04-18 to 09-06- 2018	Summer Training Classes Schedule for Registered Students	130	Training Conducted for Registered students in MNC pattern
2	30-06-2018 to 03-07-2018	CIALFOR	15	Training Conducted for Eligible CSE students
3	11-07-2018 to 16-07-2018	PROTOTECH SOLUTIONS	97	Training Conducted for Eligible students of EE,EC & CSE
4	01-08-2018 to 03-08-2018	TCS Code vita	48	Training Conducted for Eligible students of EE,EC & CSE

5	4-Aug-18	TCS CodeVita-2018 Contest Round 1	94	Online Coding Challenge Conducted for Eligible Students
6	5-Aug-18	HIREME PRE-ASSES ONLINE Assessment test	106	Assessment Test Conducted for All IV year Students
7	13-08-2018 to 01-09-2018	TCS Training	96	Training Conducted for Eligible students of CE,ME,EE,EC & CSE
8	21-08-2018	TCS Mock Technical Interviews	6	Training Conducted for Eligible students of EC & CSE
9	06-09-2018 to 07-09-2018	COLORS SOFTWARE	96	Training Conducted for Eligible students of EE,EC & CSE
10	29-09-2019 to 03-10-2018	TCS Ninja Mock Interviews	13	Training Conducted for Eligible students of EE,EC & CSE
11	4-Oct-18	VirtusaNeuralhack - 2018 Contest Round 1	47	Online Coding Challenge Conducted for Eligible Students of EE.EC & CS
12	9-Oct-18	CO CUBES PRE-ASSES ONLINE Assessment test-1	93	Assessment Test Conducted for Registered Students of ME,EE,EC & CS
13	15-Oct-18	VirtusaNeuralhack - 2018 Contest Round 1	29	Online Coding Challenge Conducted for Eligible Students of EE.EC & CS
14	10-11-2018 to 16-11-2018	WIPRO Training	48	Training Conducted for Eligible students of EE,EC & CSE
15	19-11-2018 to 20-11-2018	AMARA RAJA BATTERIES LTD Training	26	Training Conducted for Eligible students of ME,EE
16	30-11-2018 to 07-12-2018	CADTECH INDIA Training	64	Training Conducted for Eligible students of CE
17	04-12-2018 to 13-12-2018	INFOSYS Training	31	Training Conducted for Eligible students of CE,ME,EE,EC & CSE
18	22-12-2018 to 23-12-2018	EFFTRONICS Training	32	Training Conducted for Eligible students of EE,EC & CSE
19	26-12-2018 to 27-12-2018	SILICONUS Training	40	Training Conducted for Eligible students of EE,EC & CSE
20	03-01-2019	CO CUBES PRE-ASSES ONLINE Assessment test-1	93	Assessment Test Conducted for Registered Students
21	04-01-2019	FEEDERFOX Training	44	Training Conducted for Eligible students of EE,EC & CSE

EVENTS /ACTIVITIES ORGANIZED – CAREER GUIDANCE CELL(A.Y :: 2018-19)

S. No	Date	Name of the Training programs	No of participants	Remark
1	03-08-2018	**Automation Edge,** Interactive Session (Webinar event)with SnehaliMandale, Executive HR-Talent Acquisition	59	Interactive session conducted on PLUG IN creation in robotic process automation (RPA)
2	22-12-2018	**JasminInfotech,** Interactive Session with J. Sudhakar , Sr. Embeded Engineer.	100	Interactive session conducted on GIS for Students
3	07-01-2019	Interactive Session with Advantage One Project Manager	82	Interactive session conducted on Leader Shiptalk for Students

EVENTS /ACTIVITIES ORGANIZED TRAINING (A.Y :: 2017-18)

S. No	Date	Name of the Events	No of Participants	Remark
1	26-02-2018 to 06-03-2018	Training Conducted for INFOSYS drive	29	Training program conducted for IV - CIVIL, MECH EEE, ECE & CSE students
2	22-02-2018 to 28-02-2018	Training Conducted for RISING STAR MOBILES Drive	48	Training program conducted for IV – EEE & ECE students
3	04-12-2017 to 09-12-2017	Training Conducted for BIZTIME Drive	50	Training program conducted for IV-CSE students
4	12-12-2017 to 02-01-2018	Training Conducted for EDUREKHA Drive	19	Training program conducted for IV-CSE students
5	11-10-2017 to 14-10-2017	Training Conducted for APPS ASSOCIATES off campus drive	7	Training program conducted for IV-CSE students
6	11-09-2017 to 16-09-2017	Training Conducted for WEBNOO drive	10	Training program conducted for IV – ECE & CSE students
7	04-09-2017 to 05-09-2017	Training Conducted for MAPLE drive	17	Training program conducted for IV- CIVIL students
8	27-08-2017 to 31-08-2017	Training Conducted for ELEATION drive	39	Training program conducted for IV- CIVIL & MECH students
9	25-09-2017	CO CUBES PRE-ASSES ONLINE Assessment test-1	156	Test conducted for IV - EEE, MECH, ECE & CSE registered students
10	22-09-2017	AMCAT -ASSES ONLINE Assessment test-2	134	Test conducted for IV – EEE, ECE & CSE registered students
11	06-02-2018	CO CUBES PRE-ASSES	147	Test conducted for IV - EEE,

		ONLINE Assessment test-2		MECH, ECE & CSE registered students
12	02-02-2018	AMCAT -ASSES ONLINE Assessment test-3	69	Test conducted for IV – EEE, ECE & CSE registered students
13	29.07.2017	TCS CodeVita-2018 Contest Round 1	94	Online Coding Challenge Conducted for CSE registered Students

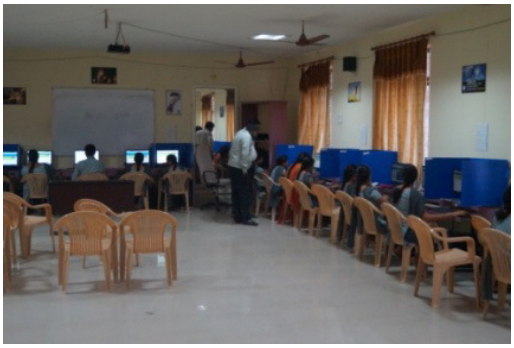
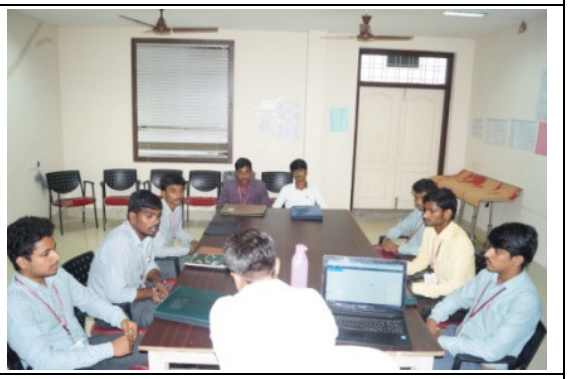
EVENTS /ACTIVITIES ORGANIZED CAREER GUIDANCE (A.Y :: 2017-18)

1	30-06-2017	Interactive session with Mr. ChaitanyaVaddi, CEO& Founder, CVCORP, Hyderabad	95	Interactive Session Conducted for IV- EEE, ECE & CSE Students
2	11-12-2017	Interactive Session with Mr. Abdul Director BIZTIME, Bangalore	78	Interactive Session Conducted for III - ECE & CSE Students
3	05-02-2018	Interactive Session with Mr Prasad, Director EE SCIENCE & TECHNOLOGICAL SERVICES ,Hyderabad	21	Interactive Session Conducted for III - EEE & ECE Students.
4	08-09-2017	Interactive session by Mr. D Dayanidhi, Technical lead, JUSPAY, Bangalore	34	Interactive Session Conducted for III CSE Students

Activities mapping with PO's

Year Planner	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	-	-	-	-	-	-	-	2	3	2	-	2
2	-	-	-	-	-	-	-	2	3	2	-	2
3	-	-	-	-	-	-	-	2	3	2	-	2
4	-	-	-	-	-	-	-	2	3	2	-	2
T&P CG	-	-	-	-	-	-	-	2	3	2	-	2

7. YEARLY PHOTO GALLERY – TRAINING

	
Conducted Training Program for CIALFOR Eligible Students from 30-06-2018 to 03-07-2018	Conducted Training Program for PROTOTECH SOLUTIONS Eligible Students from 11-07-2018 to 16-07-2018
	
Conducted Training Program TCS Eligible Students from 13-08-2018 to 01-09-2018	Conducted Training Program WIPRO Eligible Students from 10-11-2018 to 16-11-2018
	
Conducted Training Program AMARA RAJA BATTERIES LTD Eligible Students from 19-11-2018 to 20-11-2018	Conducted Training Program INFOSYS Eligible Students from 04-12-2018 to 13-12-2018

YEARLY PHOTO GALLERY – PLACEMENTS

	
PROTOTECH SOLUTIONS – ONCAMPUS DRIVE CONDUCTED ON 17-07-2018	COLORS SOFTWARE- ONCAMPUS DRIVE CONDUCTED ON 08-09-2018
	
AMARA RAJA BATTERIES LTD – ONCAMPUSDRIVE CONDUCTED ON 21-11-2018	EDWISOR - ONCAMPUS DRIVE CONDUCTED ON 23-11-2018
	
CADTECH INDIA – ONCAMPUS DRIVE CONDUCTED ON 08-12-2018	VEE TECHNOLOGIES – ONCAMPUS DRIVE CONDUCTED ON 12-12-2018

YEARLY PHOTO GALLERY – CAREER GUIDANCE

<table>
<tr><td>  </td><td>  </td></tr>
<tr><td>Interactive Session (Webinar event)with SnehaliMandale, Executive HR-Talent Acquisition, Automation Edge, Pune on 3-08-2018</td><td>Interactive Session with
J. Sudhakar , Sr. Embeded Engineer,
JasminInfotech,Chennai on 22-12-2018</td></tr>
<tr><td colspan="2">  </td></tr>
<tr><td colspan="2">Interactive Session with E. Siva, Project Manager.
Advantage One Technologies on 07-01-2019</td></tr>
</table>

9.6. Entrepreneurship Cell (5)

Introduction

Entrepreneurship Development Cell (EDC) is established and various events will be organized to know the importance of being an entrepreneur and ways to get financial assistance to become an entrepreneur and to motivate students to start their own venture instead of queuing up in the job market.

Functions of the cell:

1. To organize Entrepreneurship awareness camps, Entrepreneurship development programs.
2. To guide & assist prospective entrepreneurs on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies of support systems and information on various technologies.
3. To organize guest lectures, webinars, seminars etc. for promotion and growth of Entrepreneurship.

4. To arrange visits to industries for prospective entrepreneurs.
5. To extend necessary guidance and escort services to the trainees in obtaining approval and execution of their projects.
6. To render advice to stick enterprises and assist the entrepreneurs in rehabilitating them.

Facilities of the cell:

1. One Discussion room (B1-009B).
2. Two internet connected PCs.
3. MOU (Memorandum of Understanding) with Incubators.
4. We provide maximum infrastructural facilities to the students, including various laboratories, hardware and software.
5. Special focus will be on early stage ideas and innovations which can be definitely converted to the products.
6. To arrange interaction with entrepreneurs and create a mentorship scheme for student entrepreneurs.

Management of the cell:

Cell comprises of one senior faculty as institution level coordinator, faculty as committee members along with student coordinators from each department.

S.No	Name of the Member	Department	Role
1	K.P.R.R.Raju	ECE	Co-Ordinator
2	M.Neeraj Kumar	Civil	Member
3	K.V.N.Bhaskar	EEE	Member
4	N.Venu	ECE	Member
5	K.Ravi	Mech	Member
6	V Jayasri	ECE	Student Member
7	Ch.SwarnaLatha	CSE	Student Member
8	Ch.Balarama Krishna	Mech	Student Member

YEAR PLANNER – MAPPING WITH PO – ENTREPRENEUR DEVELOPMENT CELL (A.Y :: 2017-18)

S.NO	NAME OF THE ACTIVITY	ACTIVITY DATE	Remarks
1.	Guest Lecture	26-10-2017	Guest Lecturer on Entrepreneurship Development
2	Industrial Visit	14-03-2018	Industrial Visit on Entrepreneurship Development

Year Planner	PO1	PO2	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12
1	-	-	-	-	-	2	2	2	2	2	3	2
2	-	-	-	-	-	2	2	3	2	2	2	2

S. No	Date	Name of the Events	No of Participants	Remark
1.	20-10-2017	Guest Lecture	150	Final year ECE, CSE and Mechanical students attended a Guest Lecturer on "Entrepreneurship Development"
2	10-02-2018	Industrial Visit	90	Industrial Visit to "EFFTRONICS" Vijayawada as part of Entrepreneurship Development.

Guest Lecturer on "Entrepreneurship Development"

Industrial Visit to "EFFTRONICS" Vijayawada

9.7. Co-Curricular And Extra –Curricular Activities (10)

Co-Curricular Activities:

The Department Association Cell has been conducting the various activities for all years of students to motivate them to excel in the communication and presentation skills. DAC motivates the students to actively participate in various events like Quiz Paper presentation, Poster presentation competitions inside the college. DAC schedule events in consultation with the Student's representatives.

Facilities of the Committee:

1. The Institution is provided with an air-conditioned Seminar Hall with a fully sound proof set up and equipped with latest technology for all types of audio/video presentations.
2. Class rooms

Management of the Committee:

The committee composition is as follows

S.No	Name of the Member	Department	Role
1	A.Chandra Suresh	E.C.E	Co-Ordinator
2	P.Somasekahar	CIVIL	Member

3	P.Srikanth	EEE	Member
4	K.Ravi	MECH	Member
5	P.Annapurna	E.C.E	Member
6	M.SrinivasaRao	C.S.E	Member
7	M.SruthiMadhuri	CIVIL	Student Member
8	G.Vamsi Krishna	CIVIL	Student Member
9	D. Jagadeeswari	EEE	Student Member
10	S. Naga bhanu	EEE	Student Member
11	NndAyyapappa	MECH	Student Member
12	Sai Mohan	MECH	Student Member
13	K.SrininivasRao	ECE	Student Member
14	D.NagaSwetha	ECE	Student Member
15	B.Kalpana	CSE	Student Member
16	P.Srikanth	CSE	Student Member

Year Planner with relevance to PO's

S.no	Name of the event	DATE	Relevance to PO's
1	Fresher's day	July 2017	PO6,PO9,PO10
2	Essay writing	August 2017	PO2,PO8,PO9,PO10
3	ENGINEER'S DAY	15th September 2017	PO6,PO9,PO10
4	Elocution	October 2017	PO6,PO9,PO10
5	QUIZ	December 2017	PO6,PO8
6	Youth day	12th January 2018	PO6,PO9,PO10
7	Video making	February 2018	PO2,PO8,PO9,PO10
8	Farewell Party	March 2018	PO6,PO9,PO10

CSE

Sr.No.	NAME OF THE EVENT	DATE	No of participants
1.	Project Expo	15-03-2018	30
2	Women's day	08-03-2018	80
3	Hack with Hint	06-03-2018	25
4	Technical Jam	01-03-2018	56
5	Paper presentation	27-02-2018	40
6	Tech Geeks	09-02-2018	20
7	Code hunt competition	28-12-2017	25
8	Innovation for Digitalization of India (poster)	08-12-2017	26
9	Quiz Master	23-09-2017	80

CIVIL

S.No	Name of the events	DATE	No of Participants

1.	QUIZ	22-12-2017	15
2.	ENGINEER'S DAY	15-09-2018	150
3.	FAREWELL DAY	07-03-2018	150
4	YOUTH DAY	12-01-2019	150

EEE

S.NO	NAME OF THE EVENT	DATE	No of Participants
1	Quiz	15-12-17	30
2	Poster presentation	19-1-18	20
3	Paper presentation	16-2-18	20
4	Video making	16-3-18	8

MECH

S.No	Date	Name of the Event	No of participants
1.	5-8-17	ELOCUTION	10
2.	5-1-18	DEBATE	12
3.	20-1-18	ESSAY WRITING	15
4.	4-2-18	QUIZ	20
5	28-8-17	SEMINAR	100
6	5-9-17	TEACHERS DAY	120
7	15-9-17	ENGINEERS DAY	120
8	15-3-18	FAREWELL DAY	100
9	12-1-18	YOUTH DAY	120
10	24-6-17	FRESHERS DAY	80

ECE

S.No	Date	Name of the Event	No of participants	Remarks
1.	**27-07-2017**	Freshers Day	200	Motivational speech given by Senior students
2.	**28-07-2017**	Elocution	20	What is your favourite career field, something that make all the difference
3.	**22-09-2017**	Debate	25	Indian Economy
4.	**27-10-2017**	Essay Writing	50	How are graduate system compare to other countries
5	**22-01-2018**	Quiz	23	Current affairs
6	**22-02-2018**	Seminar	19	Interested topics
7	**05-09-2017**	Teachers day	210	Speech given by Senior students

8	**15-09-2017**	Engineers day	280	Speech given by Senior students
9	**03-03-2018**	Farewell day	195	Suggesions given by Senior students
10	**12-01-2018**	Youth Day	290	Speech given by Senior students

Photo Gallery

EEE DEPARTMENT CONDUCTED PAPER PRESENTATION

CIVIL DEPARTMENT CONDUCTED PROJECT EXPO

EEE DEPARTMENT CONDUCTED POSTER PRESENTATION

CIVIL DEPARTMENT CONDUCTED POSTER PRESENTATION

CSE DEPARTMENT CONDUCTED PAPER PRESENTATION

CSE DEPARTMENT CONDUCTED QUIZ

 **ECE DEPARTMENT CONDUCTED YOUTH DAY**	 **ECE DEPARTMENT CONDUCTED POSTER PRESENTATION**
 **ECE DEPARTMENT CONDUCTED QUIZ PRESENTATION**	 **ECE DEPARTMENT CONDUCTED FRESHERS DAY**

Extra-Curriculum Activities

Arts and Cultural Activities

Every academic year college organizes a sports and cultural events for students. All the students are participated very actively. In this program spot events are also conducted in different branches to encourage the students. Prizes are given to the winners of various competitions that are conducted during the event.

Facilities of the Cell:

1. Seminar Hall (B1-114)
2. Dias& Podium
3. Over Head Projector, Audio and video system.
4. Speakers, cord less mikes, stand Mikes and collar mikes
5. Systems with Internet connection.
6. Printer & scanner.
7. Digital camera

Events/ Activities of the cell:

1. Essay Writing
2. Extempore (Telugu,English)
3. Singing(Solo)
4. Singing (Group)
5. Instrumental Music
6. Dance (Solo).
7. Dance (Group).
8. Pot Decoration
9. Debate
10. Mimicry
11. Mime
12. Skit

Art, Literary and Cultural Event:

A.Y 2017-18

Sr. No.	Name of the event organised	Date	No of students participated	Venue
1	ART & LIFE SKILLS	12-01-2018	50	College campus
2	DANCE COMPITITION	23-03-2018	25	College campus
3	SINGING COMPITITION	23-03-2018	10	College campus
4	POSTURES DISPLAYING	12-01-2018	20	College campus
5	SKITS ON STAGE	05-09-2017	30	College campus
6	MIMICRY	23-03-2018	10	College campus
7	MONO-ACTION	23-03-2018	05	College campus
8	RANGOLI COMPITITION	12-01-2018	50*2	College campus
9	ESSAY-WRITING COMPITITION	15-09-2017	50	College campus
10	ELOCUTION	15-09-2017	50	College campus
11	EXTEMPORE	15-09-2017	50	College campus
12	GROUP DISCUSSIONS.	15-09-2017	30	College campus

Technical fest

Sr. No.	Name of the event organised	Date	No of students participated	Venue
1	Poster presentation	12-01-2018	30	College campus

A.Y 2017-18

Sr.No.	Name of the event organised	Date	No of students participated	Venue
1	Skit competition	05/09/2017	30	College campus
2	Literary competition	15/09/2017	230	College campus
3	Art exhibition	12/01/2018	50	College campus
4	Poster presentation	12/01/2018	20	College campus
5	Women's Day	08/03/2018	160	College campus
6	Dance competition	23/03/2018	30	College campus
7	Singing competition	23/03/2018	30	College campus
8	Mimicry	23/03/2018	20	College campus
9	Mono action	23/03/2018	25	College campus

	
CONDUCTED DANCE COMPETITION ON ANNUAL DAY	CONDUCTED DANCE COMPETITION ON ANNUAL DAY
	
DANCE CONDUCTED ON ANNUAL DAY CELEBRATIONS	SKIT CONDUCTED ON ANNUAL DAY CELEBRATIONS
	
ESSAY WRITING	ESSAY WRITING

TELUGU AMMAYI

ESSAY WRITING

GOT 1ST PRIZE IN POSTER PRESENTATION

GROUP DISCUSSION

RANGOLI

BhogiMantalu

Sports & Games:

Physical fitness plays an important role in developing the overall personality of a student since a physically balanced student is mentally balanced too. SVIET equally emphasizes the need to develop physical activities and encourages Sports and games making it an integral part of the curriculum various sports facility is provided to the students within the campus. Various sports

competitions such as inter departmental, Inter collegiate, etc help in developing team spirit among students. Their interpersonal relationship is enhanced a very healthy manner.

Students are provided with Travel Concessions, Physical Director of college is deputed to accompany students participation in outside and also registration fee is sponsored if any. Students representing university in various sports / Games will be honoured with trophies and certificates.

Functions of the cell:

The Games & Sports Cell shall be responsible for all the sports and games related activities within and outside campus concerned with the college. The coordinator of the Games & Sports Cell shall organize, coordinate and execute all the sports and games related activities both within as well as outdoor of the college. The responsibilities and functions shall include (but not limited to) the followings.

i. To encourage the students to participate very actively in organising and conducting various sports and games in the college.
ii. To motivate the students to actively participate in various sports and games competitions outside the college.
iii. To develop the spirit of sportsmanship among students.
iv. To make the students aware about the benefits of physical exercise to maintain a good physical and mental health
v. To sort out any sports related issues.
vi. To schedule events/planner for the academic year in consultation with the Student's representative and management.
vii. To inculcate the value of keeping good health and mind by participating in lectures / seminars related to Sports & Games.
viii. To develop students with a variety of activity that will enhance lifelong learning and participation

Functions- PO mapping:PO/FO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12
F1						3	2	3	3	3	2	2
F2						3	2	3	3	3		2
F3						3	2	3	3	3		2
F4						3	2	3	3	3	1	3
F5						1	1	3	3	3		1
F6						1	1	3	3	3	3	2
F7						3	1	3	3	3	1	3
F8										2	1	3

The Games & Sports Cell Coordinator shall work in coordination with other Cell Coordinators and HODs. Further, he shall be responsible for suggesting budgetary provision for activities related to the Cell.

Committee Members

S.NO	NAME	DESIGNATION & DEPARTMENT	POSITION
1	Dr. A.B.SrinivasaRao	Principal	Chairman
2	CH.GiriPhani Kumar	Asst. Professor, CE	Convener
3	K.V.G.Sree Ram	Asst. Professor, CE	Member
4	A.SrinivasaRao	Asst. Professor, EEE	Member
5	A.Rajesh	Asst. Professor, ME	Member
6	B.Phanindra Kumar	Asst. Professor, ECE	Member
7	Md.Ahmed	Asst. Professor, CSE	Member
8	P.SeshuBabu	Assoc. Professor, S&H	Member
9	Chinnakesava	Physical Director	Member
10	V.V.Muralinadh	Physical Director	Member
11	T.Abinay CIVIL	14MQ1A0152	Student Member
12	A.Likitha	14MQ1AO101	Student Member
13	P.Sridhar ECE	14MQ1A0492	Student Member
14	K.Vedavathi	14MQ1A0471	Student Member
15	CH.Subramanayam EEE	14MQ1A0208	Student Member
16	S.rajeswari	14MQ1A0202	Student Member
17	M.MuralikrishnaCSE	14MQ1A0587	Student Member
18	V.Jothirmai	14MQ1A529	Student Member
19	S.VenuMaheshMEC	14MQ1A0341	Student Member
20	T.VeeraBadrachari	15MQ5A0314	Student Member

Facilities of the Cell:

1. Sports Room (B2-006):

Number	Dimensions
1	9.15m x 5.5m

2. Sports Material:

Outdoor Facilities:

Sl. No	Name of the Facility	Quantity	Dimensions
1	Basket ball	1	28mtsx15mts
2	Cricket net practice	1	100ft
3	Ball badminton	1	24mts x12mts
4	Volley ball	2	18mts x9mts
5	Throw ball (women)	1	60ftx40ft
6	Kabbadi	2	13mts x10mts
7	Tennikoit	2	12.20mts x5.50mts

Indoor Facilities:

Sl. No	Name of the Facility	Quantity
1	Chess	8
2	Carroms	6
3	Table –Tennis	1

3. Athletics:

Sl. No	Name of the Facility	Quantity
1	Discous throw	2
2	Shotput	2
3	High jump apparatus	1 Set
4	Running	100mt

Year planner

S.No	Tentative Date	Name of the events
1	June, 2017	Interest student and Identify the talent player from various department to SPORTS & GAMES
2	July,2017	Train the student to SPORTS & GAMES
3	August,2017	Seeking permission from Jntuk (slection trial prospal to conduct on the campus)
4	29 August,2017	National Sports Days
5	September2017 to Decmber2017	Train the student to SPORTS & GAMES and participate to JntuK Selection Trials
6	Jan 2018	Practice to JntuK C-Zone men tourament
7	February,2018	Participate to JntuK C-Zone men tourament
8	February,2018	Annual Day Sports & Games
	February,2018	Ball Badminton Tournament(Boys)
		Table Tennis Tournament(Boys)
		Kabaddi Tournament (Boys)
		Volley ball Tournament (Boys)
		Basket ball Tournament (Boys)
		Chess Tournament (Boys & Girls)
		Throw ball Tournament (Girls)
		Tennicoit Tournament (Girls)
		Carroms Tournament (Girls)
		Shotput Tournament (Girls)
9	March, 2018	Annual Day Distribution of certificates to Winners and Runners for Boy's& Girls

Events / Activities Organized

S.NO	NAME OF THE		DEPARTMENT(S)	No of

	EVENT	DATE		Students Participated
1	Kabaddi (Boys)	23-3-2017	CE,ME,EEE,ECE,CSE	90
2	Volley ball(Boys)	24-3-2017	CE,ME,EEE,ECE,CSE	81
3	Basket ball(Boys)	25-3-2017	CE,ME,EEE,ECE,CSE	30
4	Shot-put(Boys)	25-3-2017	CE,ME,EEE,ECE,CSE	35
5	Throw ball(girls)	23-3-2017	CE,ME,EEE,ECE,CSE	36
6	Tennicoit(Girls)	24-3-2017	CE,ME,EEE,ECE,CSE	14
7	Carroms(Girls)	25-3-2017	CE,ME,EEE,ECE,CSE	18
8	Shot-put(Girls)	25-3-2017	CE,ME,EEE,ECE,CSE	35

List of Students participation outside of college

S.No	Date	Name of the student	Regd.No	Name of the event	Venue
1	16-10-2017	P.Krishna Murthy	17MQ1A0317	Kabbadi-Jntuk Selection Trial	Gudlavalleru Engineering college
2	22-12-2017	CH.MAHESH	15MQ1AO109	EenaduCricket Champions cup 2017	V R Siddhardha Engineering College Vijayawada
		P.RUSHIKESH	15MQ1AO336		
		G.SAI KRISHNA	15MQ1AO115		
		P.SANTOSH	15MQ1AO491		
		B.VAMSI	17MQ1AO5B1		
		E.PHANI KIRAN	16MQ1AO441		
		P.SAI KUMAR	16MQ5AO314		
		K.SESHU	15MQ1AO317		
		D.PRAVEEN	15MQ1AO113		
		S.K.AMAR	15MQ1AO130		
		K.PAVAN KUMAR	17MQ1AO437		
		A.VAMSI KIRSHNA	17MQ1AO101		
		P.GURUPAVAN	18MQ1AO425		
		K.HARIHARAN	18MQ1AO433		
		P.KRISHNA MURTHY	17MQ1AO317		
3	23-12-2017	J.L.V.TEJA	15MQ1AO316	Hockey-Jntuk Selection Trial	Baba Institute of Technology & science-vizag
		P.RUSHIKESH	15MQ1AO336		
4	28-1-2018 TO 30-1-2018	Kabbadi		Kabadi& Volley ball - Jntuk C Zone Tournment	P V P Siddhardha Engineering College
		B.VENKANA BABU	15MQ5AO302		
		K.PAVAN	16MQ5AO209		

		KUMAR			
		P.KRISHNA MURTHY	17MQ5AO317		
		T.SRINIVASA RAO	15MQ1AO226		
		K.GANI KUMAR	15MQ1AO221		
		P.SAI VAMSI	17MQ1AO5B1		
		K.MAHESH	14MQ1AO585		
		P.SRIDHAR	14MQAO492		
		G.RAVI KUMAR	17MQ1AO487		
		K.RAJESH	16MQ5AO208		
		N.SAI KRISHNA	16MQ5AO309		
		CH.MANIKANTA	14MQ1A0A116		
		VOLLEY BALL			
		K.NAGA SRI AKHIL	14MQ1Q0583		
		G.BALA NAGA HAR KISHORE	14MQ1A0312		
		B.VENKANA BABU	15MQ5A0302		
		P.GOWITHAM	14MQ1A0543		
		K.MAHESH	14MQ1A0585		
		P.SRIDHAR	14MQ1A0492		
		K.PAVAN KUMAR	16MQ5A0209		
		K V V SATYANARAYANA	16MQ1A0112		
		G.NAGA KANNESWARA RAO	15MQ5A0213		
5	15-2-2018	K.N.S.AKHIL	14MQ1A0583	National level fest volley ball	Gudlavalleru Engineering college
		V.GOWITHAM	14MQ1A0543		
		K.MAHESH	14MQ1A0585		
		B.VENKANA BABU	15MQ5A0302		
		P.SRIDHAR	14MQ1A0492		
		G B N H KISFHORE	14MQ1A0312		
		K.PAVAN	16MQ5A0209		
		S K SUDHEER	14MQ1A0590		
		S.SOWMYA	17MQ1A0422		

Photographs

	
Kabaddi	**Table Tennis**
	
Volley Ball	**Throw ball**
	
Basket Ball	**Carroms**

National Service Scheme

Functions of the Cell

1. Developing the civic and social responsibility.
2. Utilizing the knowledge in finding practical solutions to individual and community problems.
3. Developing the required competence to mingle with others and sharing the responsibilities.
4. Making to obtain the skills for mobilizing the community participation.
5. Preparing the students to acquire leadership qualities and democratic attitudes.
6. Developing the strengths to meet emergencies and natural disasters.
7. Create awareness among the public about the Government Schemes for their welfare.

Functions- PO mapping

Functions	PO1	PO2	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12
F1						**2**	**3**	**3**		**2**	**1**	**1**
F2									**3**			
F3									**3**			
F4										**3**		
F5									**3**			
F6							**3**			**2**	**1**	
F7												**2**

Facilities of the Cell:

1.One room (B1-312) for the students and faculty members to discuss about the activities.

2.Having a good no.of chairs and space to discuss / conduct the committee meetings.

3.Motivational posters and images of philanthropists to encourage the students for social service. Care must be taken to see that necessary facilities are available to girl students to maintain their privacy and meet their needs.

4.Transportation**.**

5.Food and accommodation.

Management of the Committee:

The committee composition is as specified below

S.NO	NAME	DESIGNATION & DEPARTMENT	POSITION
1	**Dr. A.B.SrinivasaRao**	Principal	Chairman, NSS
2	**P.SatyaNarayana**	Asst. Professor, ME	NSS Programme Officer
3	K.Pithamber	Asst. Professor, ECE	Member
4	P.Siva Naga Raju	Asst. Professor, CSE	Member
5	K.SomaSekhar	Asst. Professor, CE	Member
6	A.SrinivasaRao	Asst. Professor, EEE	Member
7	T.EswaraRao,	Asst. Professor, ME	Member
8	B.SrinivasaRao,	Asst. Professor, S&H	Member
9	Ch. Ajay	16MQ1A0104	Student Member

10	Ch.Mahesh	15MQ1A0109	Student Member
11	K.Pravallika	16MQ1A0205	Student Member
12	V.N.V.Indra Prasad	15MQ1A0216	Student Member
13	Y.N.V.S.Vara Prasad	16MQ1A0334	Student Member
14	N.N.D.Ayyappa	15MQ1A0332	Student Member
15	G.P.V.S.Shanmukhi	16MQ1A0415	Student Member
16	V.Srujana Sri	16MQ1A0485	Student Member
17	S.Bhavani	16MQ1A0592	Student Member
18	A.VikasKonda	16MQ1A0547	Student Member
19	K Lakshmi Venkat	17MQ1A0110	Student Member
20	G GeepthikaNandini	17MQ1A0202	Student Member

Roles & Responsibilities of Committee Members

Roles & Responsibilities of NSS Programme Officer:

- To coordinate NSS activities in accordance with the students' ability and community demands.
- To coordinate internal resources available in the form of teaching expertise of teachers for enhancing the knowledge and skills of the students in implementation of the scheme; and
- To coordinate various external resources available in the forms of government services; welfare agencies and voluntary bodies for the success of the NSS programme.

Roles & Responsibilities of Faculty Members:

- To prepare orientation programme for NSS volunteers, explain them about the concept of social service, and teach them methods and skills required for achieving the objectives of the scheme;
- To promote community education through meetings, talks, news bulletins discussions etc.; and
- To help in formulating NSS programmes which will have direct relationship with the academic curricula.

Roles & Responsibilities of Student Members:

- Understand the community in which they work
- Understand themselves in relation to their community
- Identify the needs and problems of the community and involve them in problem-solving
- Develop among themselves a sense of social and civic responsibility
- Utilize their knowledge in finding practical solutions to individual and community problems

Records and Registers

The following Records and Registers are to be maintained by the NSS units at the Institution level.

1. Enrolment Register of volunteers.
2. Cash Register.
3. Registers for blood grouping – 8 in number.
4. Minutes Book

Year Planner (2017-18)

S.NO	NAME OF THE ACTIVITY	ACTIVITY DATE
1.	International Yoga Day	21-06-2017
2.	Vanamahotsavam	02-07-2017
3.	Blood Donation Camp	11-07-2017
4.	World Youth Skill Day	15-07-2017
5.	Vanam-Manam	02-08-2017
6.	Independence Day	15-08-2017
7.	Teacher's Day	05-09-2017
8.	International Literacy Day	08-09-2017
9.	NSS Foundation Day Celebrations	25-09-2017
10.	SwachhBharath	01-10-2017
11.	Fire Prevention Day	09-10-2017
12.	World Polio Day	24-10-2017
13.	World AIDS Day	01-12-2017
14.	International Volunteer's Day	05-12-2017
15.	National Youth Day	12-01-2018
16.	National Voters Day	25-01-2018
17.	Republic Day	26-01-2018
18.	International Day Of Zero Tolerance to female genital mutilation	06-02-2018
18.	Women's Day	08-03-2018
20.	World Health Day	07-04-2018

Note: - Dynamic Activities would be done according to the Community demands and needs

Events Organized (2017-18)

S.No	Name of the Activity	Date	No of Students Participated	Organizations Associated	Who are Benefited
1	International yoga day	21-06-2017	120	Divya Yoga Mandir, Machilipatnam	SVIET Staff & Students
2	Distribution of Clothes to poor people	26-06-2017	50	SVIET	Jayanthi Colony, Pedana
3	Anti plastic rally	03-07-2017	90	SVIET	Gokavaram
4	Blood donation camp	13-12-2017	70	SVIET & APVVP, Govt.hospital, MTM	Machilipatnam People
5	Vanam-manam	02-08-2017	50	SVIET	Nandamuru
6	International literacy day	08-09-2017	50	SVIET	Kakarlamudi
7	Eco ganesh idols distributed	12-09-2017	15	SVIET	PedanaMuncipality People
8	Swachhbharath	01-10-2017	90	SVIET NSS Unit	ChinnaNandamuru
9	End polio rally	24-10-	75	SVIET, Rotary	Nandamuru

		2017		Club	
10	World AIDS day	01-12-2017	55	SVIET	Madaka village
11	Distribution of fruits to elders	26-01-2018	20	SVIET	Snehalayam, Machilipatnam

Photo Gallery

YOGA Day was celebrated on every year June 21st from 2015onwards. In this connection every year we conduct yoga classes to our students with help of Yoga instructor.	As a responsible citizen of India, we believe the nature is our god. In this connection, every year students of our college will do the plantation activity.
	
Conducted an awareness rally on "AIDS Day" to bring awareness on HIV to all public in madaka village.	Conducted a blood donation camp in association with APVVP, Govt.hospital, Machilipatnam
	
Conducted Swatch Bharath Progamme at Chinna nandamuru	Distributed Fruits and Blankets to elders at Snehalayam oldage home, Machilipatnam

	
Distributed Clothes to Poor people, Jayanthi colony, Pedana	Conducted an awareness rally on “Anti Plastic” to bring awareness on Environment sustainability to all public in Gokavaram village.
	
Conducted Vanamahotsavam at Munjuluru Village	Conducted Literacy Programme at Kakarlamudi village
	

CRITERION 10	Governance, Institutional Support and Financial Resources	120

10. GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES (120)

10.1 Organization, Governance and Transparency (40)

10.1.1. State the Vision and Mission of the Institute (5)

Institute Vision

To emerge as a premier engineering institution in rural India imparting values based education for socio-economic upliftment

Institute Mission

- Provide the most creative learning environment for Technical Excellence of stakeholders
- Promote industry-institute interaction for skill enhancement and to meet the industry needs
- Create an environment to the stakeholders to be good citizens with integrity and morality.
- Committed to improve technical excellence, ethical values continuously.

10.1.2 Governing Body, Administrative setup, functions of various bodies, service rules, procedures, recruitment and promotional policies (10)

Governance: The Promoter Society is the highest authority formed conforming to the statutory regulations of all the regulatory agencies. Governing Body of the Institution is formed fully adhering to the vision and philosophy of the promoter society taking into the statutory regulations of all the regulatory bodies like AICTE, State Government and Affiliating University.

Governing Body:

The Institute shall have a Governing body consisting of nine members from the promoting society, two faculty members, two academicians of high academic excellence, one representative of the state government and one representative from the affiliating university. The principal shall be the member secretary of Governing Body responsible for arranging Governing Body meeting and recording the resolutions of the same. The Governing Body shall meet at least once in a year.

Correspondent

The Correspondent is the chief executive of the Institute. He co-ordinates between the sponsoring Society, Governing Body and the other systems of management in the college. Correspondent shall see

1. To represent SVIET in all transactions with the Governments, statutory bodies, other institutions or individuals concerned in all matters.
2. To authorize a person or a team of persons to represent him at University, CTE, AICTE, SRO and A.P State Government wherever necessary when he cannot attend in person.
3. To activate all the Programs of various cells formed in the Institute.
4. To issue the appointment orders to the Principal, teaching staff and other staff.

5. To sanction all kinds of leaves to the Principal.

6. (a) To open and operate the Bank accounts individually (or) jointly to accommodatethe remittance of the college tuition fee and other fee collected from students.

   (b) To maintain books of accounts in this regard.

7. (a) To maintain the Bank account jointly with Principal for students scholarships And staff salaries.

   (b) To maintain the books of accounts in this regard.

8. (a) To open and operate a bank account jointly with the Principal for special fee

   (b) To maintain the books of accounts in this regard

9. To pay salary bills and other bills of expenditure.

10. (a) Authorized to take decisions on such matters that need immediate compliance of action.

    (b) To present such actions to the Governing Body in the subsequent meetings.

<u>Executive Directors (ED's)</u>

ED'S mainly helps the college in the areas of Development of Education and Growth of Institution and they will be assisting the Correspondent in carrying out the duties assigned to him.

i) ED'S will advise the Correspondent and Principal on the matters, focusing on development of education and growth of the college.

ii) ED'S shall visit various departments and facilities and interact with the in-charges for on-hand assessment of the same.

iii) ED'S shall address the staff, students and other stake holders if required, preferably through Principal.

iv) ED'S shall actively participate in the visits of experts from regulatory authorities / inspection committees and important visitors

v) ED'S shall represent the college in various forums duly authorized by the Correspondent.

vi) ED'S shall involve in any other work incidental to carrying out the above functions

vii) ED'S shall also involve any other work of the college assigned to him in the interest of the college by the Correspondent or on his own initiative after duly informing and taking the permission of the Correspondent.

PRINCIPAL

The Principal is the chief ACADEMIC ADMINISTRATOR and a bridge between the Management, Staff and Students. He should be preferably of good academic, administrative personal standing with sufficient experience in engineering colleges. The Principal shall be a source of inspiration to the staff and students particularly in matters of discipline and commitment to the institution.

Functions of the Principal:

1. To assist the G.B and Correspondent in formulation of academic programmes, administrative policies, action plans for infrastructural development and schemes for institutional development.

2. To implement all decisions of the Correspondent with regard to academic affairs and administrative matters that are entrusted to him.

3. To ensure effective academic management, monitoring all academic activities like day-to-day academic work, periodical evaluation, achievement of good annual results etc.

4. a) To recommend the formation of various cells/committees for active pursuit of curricular, co-curricular and extra-curricular activities for the approval of the G.B.
   b) To ensure the effective functioning of such activity cells/committees.

5. To enforce discipline among the students on the campus or off the campus as the situation demands, taking necessary measures with the help of the staff; and the guidance/help of the Management when needed.

6. To inculcate work culture and discipline among the staff so as to keep them as models for students as envisaged by the sponsoring society/G.B/Correspondent.

Note: While enforcing discipline among the staff, the principal should act with due caution to protect the image and interests of the institution. The principal need to consult the

Correspondent and take his consent regarding disciplinary measures particularly in cases of senior faculty members in higher cadres.

7. To spend the amount in consultation with respective ACTIVITY CELL / COMMITTEE on the approval of the correspondent
8. a)To open and operate a Bank account for Scholarships received from different sources including the State Government.

   b) To maintain Books of Account for the scholarships.

9. The deans shall report to the Principal.

10. To prepare the budget for consideration and approval of the Governing Body.

11. To prepare salary statement and present it every month for the approval of the correspondent for disbursement.

12. To sanction leaves to staff as per leave rules, maintaining leave account.

13. To take steps for promotion of INDUSTRY-INSTITUTION INTERACTION and R&D work on his own or on the suggestions of the concerned Deans and Heads of the Department.

14. To provide consultancy services as can be offered by the members of faculty in their respective fields of specialization to the outside individuals or institutions as per their guideline from the correspondent.

15. To participate in Quality planning at University / Government / AICTE level for development of technical education.

16. a) To allow the individual members of faculty for participation in the orientation programs, refresher courses, spot evaluation, curriculum development sessions etc.

    b) To permit the members of faculty and students for participation in inter-collegiate, inter-university competitions and festivals, talent and personality development programmes at various levels.

17. To be the CHIEF WARDEN of hostels under the management of the college.

18. To sanction annual increment to the staff as approved by the G.B.

19. To make periodical review on the performance of the staff department wise or Individually, taking the help of the Heads of Departments and presenting it to GB.

Deans

To help the Principal in academic administration, there shall be two Deans working in the Institute viz.,

1. Dean – Academics and Planning.
2. Dean – Monitoring and Student affairs.

The Designation Dean shall be used only when Professors hold these posts. In other cases they are called 'Officers'

I) **Dean –** Academics and Planning.

He shall look after

a) Time Tables
b) Central Library & Information Centre
c) Website/ICT/Internet Cell
d) NSS Cell
e) Sports and Games
f) IQAC (Internal Quality Assurance Cell)
g) Arts & Cultural Cell
h) Dept. Association Coordination
i) Industry - Institution Interaction

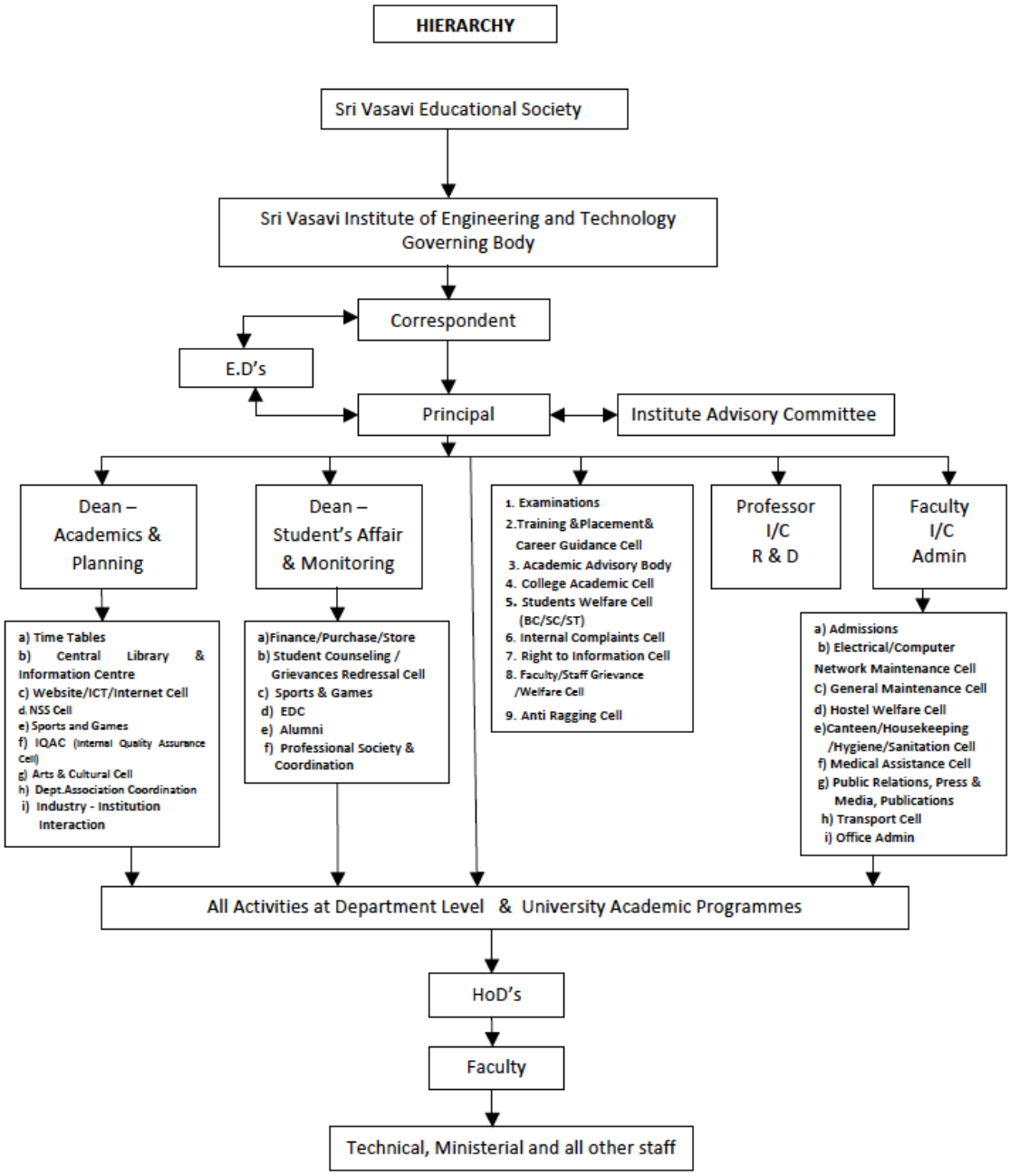
II) **Dean-** Monitoring and Student affairs shall look after

a) Finance/Purchase/Store
b) Student Counseling / Grievances Redressal Cell
c) Sports & Games
d) EDC
e) Alumni
f) Professional Society & Coordination

Deans – Functions:

1. He is the overall in charge for the respective areas under him and he shall ensure the success of these programmes.
2. He will make recommendations to Principal on formulation of various cells for different areas he is in charge of.
3. He will convene meetings of those committees at least once in two months.
4. He shall submit reports to the Principal twice in a semester on the programs he is in charge of.
5. All the information, correspondence regarding the programmes coming under the purview of the dean shall be routed to him through principal.
6. Whenever necessary he shall convene a meeting of HODs concerning those programmes/Cells

In the hierarchical order the Deans are between the Principal and HODs.



Coordinators:

Coordinators of all cells will report to their respective Deans/Principal. HODs shall report to the Principal through Dean on matters that come under the purview of Dean.

The Deans will be guided by the policies of the college in the matters that come under their purview.

Committees:

Every committee shall have a coordinator and two or more members. Coordinator will be in charge of the committee and its programs. These committees assist the Deans/Principal in the discharge of their duties. Each activity given under the Dean will have a committee/Cell.

Duties of HODs

HOD is responsible for the functioning of that Department as per the laid down policies of the college. He will be consulting with Deans and reporting to Principal, in technical matters coming under the purview of the dean.
HOD will prepare budget estimation for the Department for its operation, maintenance and development. HOD will constitute various committees to help in various matters.
Preparing and submitting a report to the Principal on all matters. He will be in-charge of all the academic and other Departmental activities of the department and will be reporting on this at the end of every semester.
HODs are given an imprest money of Rs.5,000/- and they will utilize this for emergencies and unforeseen expenditures only.
He will allocate academic and other duties to the faculty/supporting staff members of his department.
HODs enjoy a level of autonomy to utilize the services of his faculty and supporting staff.

10.1.3 Decentralization in working and grievance redressal mechanism (10)

Decentralization: A Senior member is deployed as Coordinator to look after each cell listed below:

Sl.No.	Name of the Committee	Name of the Coordinator
1	Finance/Purchase/Stores Cell	Dr.D.Raja Ramesh
2	R & D and Consultancy Cell	Dr.S.Koteswara Rao
3	Training & Placement& Career Guidance Cell	D.Adithya Kumar
4	Examinations Time Tables Admissions	A.Pavan Kumar V.Vijaya Bhaskar P.Meher Kumar
5	Central Library & Information Centre	B.Jyothilal Nayak
6	Website/ICT/Internet Cell	K.Venkatesh
7	Student Counselling /Grievances Redressal Cell	G S N V N Babu
8	Hostel Welfare Cell	P.Meher Kumar
9	Canteen/Housekeeping/Hygiene /Sanitation Cell	P.Meher Kumar
10	NSS Cell	P.Satyanarayana
11	Sports & Games Cell	Ch.Giri Phani Kumar
12	Transport Cell	P.Meher Kumar
13	Arts/Cultural Cell	B.R Nagavalli
14	Department Associations Coordination Cell	A.Chandra Suresh
15	Industry Institute Interaction Cell	Dr.M.Srinivasa Rao
16	E D C	K P R Ratna Raju
17	Alumni Coordination Cell	A.V.Raghu Ram
18	Professional Societies Coordination	Dr. B.Raja Srinivasa Reddy
19	Electrical/ComputerNetwork	B.D.S.Prasad & Dr. B.Raja

	Maintenance Cell	Srinivasa Reddy
20	Medical Assistance Cell	P.Meher Kumar
21	Academic Advisory Body	Dr.A.B.Srinivasa Rao
22	College Academic Cell	Dr.A.B.Srinivasa Rao
23	Public Relations, Press & Media, Publications	P.Meher Kumar
24	Students Welfare Cell (BC/SC/ST)	Dr.A.B.Srinivasa Rao
25	General Maintenance Cell	P.Meher Kumar
26	Internal Quality Assurance Cell	S V C Gupta
27	Internal Complaints Cell	Dr.A.B.Srinivasa Rao
28	Right to Information Cell	Dr.A.B.Srinivasa Rao
29	Faculty/Staff Grievance/Welfare Cell	Dr.A.B.Srinivasa Rao
30	Anti Ragging Cell	Dr.A.B.Srinivasa Rao

Following committee coordinators have been delegated powers for taking administrative decisions in respect of redressel mechanism.

a). Grievances Redressel Cell

Sl.No.	Name of the Person	Designation
1.	G.S.V.N.V.Babu, Prof of ECE	Coordinator
2.	A.Chandra Suresh, Assoc.Prof of ECE	Member
3.	V. Sridhar Reddy, Assoc.Prof of Mech	Member
4.	K.Rama Rao, Asst.Prof of CSE	Member
5.	Ch.Giri Phanikumar, Asst.Prof of Civil	Member

b). Anti Ragging Committee

Sl.No.	Name of the Faculty	Designation
1	Dr.A.B.Srinivasa Rao, Principal	Coordinator
2	A.V.Raghu Ram, S & H HoD	Member
3	P.Mehar Kumar, Assoc.prof &Faculty i/c Admin	Member
4	V.Srinivasa Rao, Civil HoD	Member
5	B.Jyothilal Nayak, EEE HoD	Member
6	Dr.D Raja Ramesh, Mech HoD& Dean-SAM	Member
7	Dr.M.Sreenivasulu, ECE, HoD	Member
8	S V C Gupta, Prof & Dean-Academic & Planning	Member
9	D.Adithya Kumar, CSS HoD	Member
10	V V Muralinadh, P.D	Member
11	V.Bhagya Lakshmi, Girls Hostel Warden	Member
12	Dr.M.Srinivasa Rao, Prof & HoD CSE	Member
13	V.Vijaya Bhaskar, Assoc.Prof of Mech	Member
14	Ch.Giri Phani Kumar, Asst.Prof of Civil	Member
15	D.V.Sridhar, Asst.Prof of ECE	Member
16	P.Srikanth, Asst.Prof of EEE	Member
17	Dr.P.Govardhan, Prof of S & H	Member

18	Dr.P.Seshu Babu, Assoc.Prof of S & H	Member
19	Dr.V N S R V Rao, Assoc.Prof of S & H	Member
20	P.Ram Babu, Asst.Prof of S & H	Member
21	K Narasimha Swamy, Asst.Prof of S & H	Member
22	P.Vasudeva Rao, Asst.Prof of S &H	Member
23	M L L Phanikanth, Asst.Prof of S & H	Member
24	B.Ranga Nagavalli, Asst.Prof of S & H	Member
25	Sk.Hidayatullah, Asst.Prof of S & H	Member
26	K.Bhavani, Asst.Prof of S & H	Member
27	P.Charitha Krishna, Asst.Prof of Mech	Member
28	G D Vijaya Lakshmi, Asst.Prof of CSE	Member
29	G.Sita Annapurna, Asst.Prof of ECE	Member

c). Internal Complaints Committee (ICC)

Sl.No.	Name of the Faculty	Designation
1	Dr.A.B.Srinivasa Rao, Principal	Coordinator
2	Dr.D.Raja Ramesh, Mech HoD& Dean- SAM	Member
3	B.Bala Subrahmanyam, Asst.prof of Civil	Member
4	P.Hemanth Kumar, Asst.Prof of EEE	Member
5	K.Meena Anusha, Asst.Prof of ECE	Member
6	P.Siva Naga Raju, Asst.Prof of CSE	Member
7	K.Narasimha Swamy, Asst.Prof of S &H	Member
8	A.Rajesh, Asst.Prof of Mech	Member

d). Sexual Harassment Committee

Sl.No.	Name of the Faculty	Designation
1	Dr.A.B.Srinivasa Rao, Principal	Coordinator
2	Ms.G.Sita Annapurna, Asst.Prof of ECE	Member
3	Mrs.K.Bhavani, Asst.Prof of S & H	Member
4	Mrs.B.Ranga Nagavalli, Asst.Prof of S &H	Member
5	Ms.V.Sai Mounica, Asst.Prof of Mech	Member
6	Ms.G.D.Vijaya Lakshmi, Asst.Prof of CSE	Member

10.1.4 Delegation of Financial Powers

The Principal is empowered with a financial power up to Rs.10,000/- and all the Head of the departments are allocated with an amount of Rs.2,000/- towards imprest amount.

10.1.5 Transparency and availability of correct/unambiguous information in public domain

Yes, all the policies, rules, processes and discrimination of the information is made available on the college website for the benefit of all our stake holders. The same can be viewed with the following link in **HR Policy** http://sviet.edu.in/hrpolicy.php

Website- http://sviet.edu.in/ Coordinator-Mr.K.Venkatesh
Transparency

- HR Policyhttp://sviet.edu.in/hrpolicy.php
-RTIhttp://sviet.edu.in/rightact.pdf
-B Category Admissionhttp://sviet.edu.in/BCategoryAdmission.php
-Financial Information http://sviet.edu.in/FinancialInformation.php
-Vision http://sviet.edu.in/vision.php
-Mission http://sviet.edu.in/mission.php
-Facilities in Campus http://sviet.edu.in/campus.php
-Placementhttp://sviet.edu.in/tpcell.php
-Examination http://sviet.edu.in/Examination.php
-R&D-http://sviet.edu.in/r&d.php
-Contact Us http://sviet.edu.in/contactus.php

E-Resources

-N Digital Library (Noble Info Tech) http://ndigitalonline.com/
-National Digital Library of India https://ndl.iitkgp.ac.in/
-Del Net http://www.delnet.in/
-NPTEL https://onlinecourses.nptel.ac.in/
-Institute Local Chapter (NPTEL)
https://nptel.ac.in/LocalChapter/college_homepage.php?collegeid=1380

Interactive Website

Parent, Student, Faculty Login
http://117.239.54.69/newecap/default.aspx

Alumni
http://sviet.edu.in/registration.php

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10.2 Budget Allocation, Utilization, and Public Accounting at Institute level (30)

Summary of current financial year's budget and actual expenditure incurred (for the institution exclusively) in the three previous financial years.

Total Income at Institute level: For CFY, CFY*m*1, CFY*m*2 & CFY*m*3

CFY: Current Financial Year, CFY*m*1 (Current Financial Year minus 1), CFY*m*2 (Current Financial Year minus 2) and CFY*m*3 (Current Financial Year minus 3)

For CFY (2017-18)

Total Income: 79600940				**Actual expenditure :79690346**			**Total No.of Students: 1421**
Fee	**Govt.**	**Grant(s)**	**Other Sources(specify**	**Recurring including**	**Non recurrin**	**Special Projects / Any**	**Expenditure per**

			)	Salaries	g	other, Specify	Student:
7955644 0	-	44500	-	70519575	9170771	-	56080

. Note: Similar tables are to be prepared for CFYm1,CFYm2 & CFYm3

Items	Budgeted in CFY	Actual Expenses In 2018-19(till Dec 2018.)	Budgeted in CFYm1	Actual Expenses In 2017-18	Budgeted in CFY m2	Actual Expenses In 2016-17	Budgeted in CFY m3	Actual Expenses In 2015-16
Infra-Built up	4293000	203571 6	3902000	390259 0	3503000	350324 0	4660000	466578 9
Library	1547000	298486	1406000	140613 0	2141000	214191 7	1673000	167350 5
Laboratory equipment	3679000	960000	3344000	334494 7	4587000	458787 2	3464000	346422 1
Laboratory consumable	755000	431836	686000	686557	854000	854064	574000	574730
Teaching and non-teaching	5170000 0	337689 02	4700000 0	470012 61	4314400 0	431440 56	3917000 0	391782 39
Maintenance and	4176000	102982 3	3796000	379602 8	4085000	408556 5	3807000	380795 8
R&D	2116000	96934	1923000	192323 4	3260000	326080 3	1869000	186926 0
Training and travel	5256000	153190 8	4778000	477836 5	4335000	433534 8	5600000	552673 0
Miscellaneous	650000	25344	590000	590500	454000	454200	977000	977775
Others specify	1348600 0	802285 4	1226000 0	122607 25	1293800 0	129383 03	1264000 0	127266 97
Total	8765800 0	482018 03	7968500 0	796903 46	7930100 0	793053 68	7443400 0	744649 04

* **Items to be mentioned.**

10.2.1. Adequacy of budget allocation (10)

The budget allocated during the assessment years is adequate.

10.2.2. Utilization of allocated funds (15)

The Budget utilization details are placed in the website with link http://sviet.edu.in/financialinformation.php.

10.2.3 Availability of the audited statements on the institute's website (5)

The financial information including audited statement were placed in the website with link http://sviet.edu.in/financialinformation.php.

10.3. Program Specific Budget Allocation, Utilization (30)

Total Budget at program level: For CFY, CFY*m*1, CFY*m*2 & CFY*m*3

CFY: Current Financial Year, CFY*m*1 (Current Financial Year minus 1), CFY*m*2 (Current Financial Year minus 2) and CFY*m*3 (Current Financial Year minus 3).

For CFY

Total Budget: 4064000		**Actual expenditure (31-12-2018): 1001031**		**Total No. of students: 435**
Non recurring	**Recurring**	**Non Recurring**	**Recurring**	**Expenditure per student**
769000	**3295000**	**102590**	**898441**	**2301**

Note: Similar tables are to be prepared for CFYm1, CFYm2 & CFYm3

.

Items	Budgeted in CFY	Actual expenses in CFY(Dec 2018)	Budgeted in 2017-18	Actual expenses in CFYm1	Budgeted in 2016-17	Actual expenses in CFYm2	Budgeted in CFYm3	Actual expenses in 2015-16
Laboratory equipment	88000	70400	-	-	310000	318013	900000	907036
Software	-	-	-	-	-	-	-	-
Laboratory consumable	50000	39373	9500	9694	96000	96553	60000	60435
Maintenance and spares	1342000	341962	1220000	1223492	1280000	1289318	1170000	1170753
R&D	681000	32190	619000	619875	1020000	1029040	570000	574704
Training and Travel	1694000	508689	1540000	1540107	1360000	1368144	2100000	2108423
Miscellaneous expenses *	209000	8417	190000	190322	143000	143338	300000	300615
Total	4064000	1001031	3578500	3583490	4209000	4244406	5100000	5121966

- **Items to be mentioned**

10.3.1. Adequacy of budget allocation (10)

The budget allocated during the assessment years is adequate.

10.3.2. Utilization of allocated funds (20)

The Budget utilization details are placed in the website with link http://sviet.edu.in/financialinformation.php.

10.4 Library and Internet (20)

10.4.1 Quality of learning resources (hard/soft) (10)

The Central Library of the Sri Vasavi Institute of Engineering & Technology (SVIET) was established in the year 2008. The library has a rich collection of Books, National and International Journals, Technical and other Magazines, CD ROMs on different engineering subjects. This Library follows open access system; student & faculty library card based circulation process and OPAC Literature Search. The college central library timings during working days is from 8.00 AM – 6.00 PM. The central Library in the college provides facilities to edify the research for faculty /students for seeding research work. The following are the facilities provided:

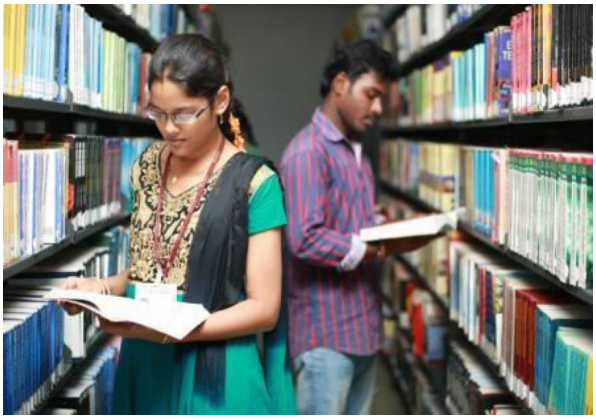
Central Library

Volumes at Library

Studnets and Faculty at Library

Journals & Periodicals

Issuing Books at Library



Books

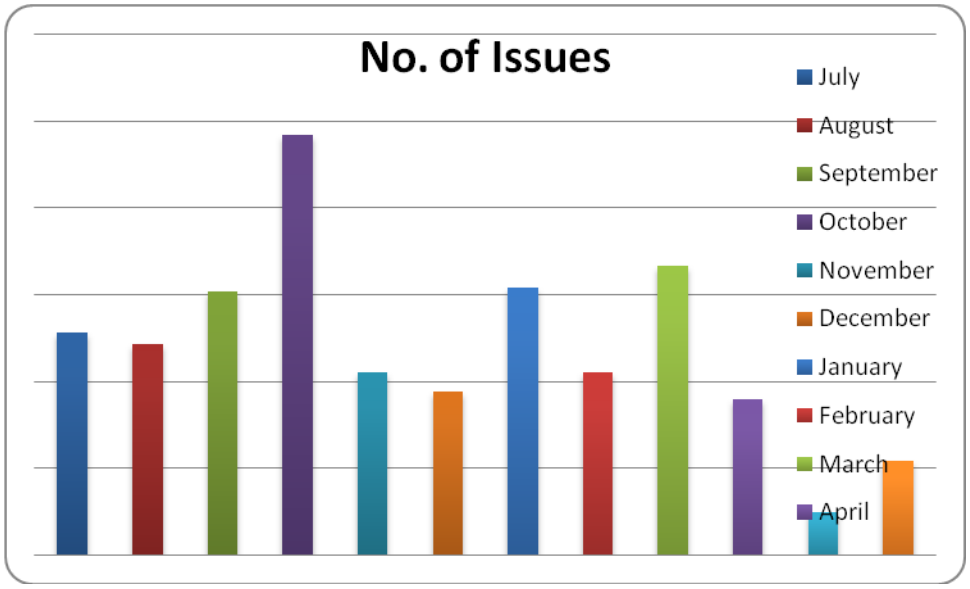
The central Library in the college provides facilities to edify the research for faculty /students for seeding research work. The following are the facilities provided:

1. The library has a collection of 2645 titles, 21161 volumes of books, 1589 e-books, 37 journals, 907 e-journals, .
2. Digital Library has been set up with 20 systems connected with high-speed network connectivity to access all e-resources and video streaming e-learning program.
3. The faculty and students can procure the books on loan from the library.
4. The Library E-Resources can be accessed by the students and faculty members anywhere in the campus during working hours.
5. The Institute subscribes for the electronic journals/ magazines from Noble Infotech, DelNet and NDL every year. The resources are being used by staff for research work and by students for their project works.

Students Accessing Digital Library

Students Accessing Digital Library

Library Utilization for the Academic Year 2017-18



10.4.2 Internet (10)

Name of the Internet provider: BSNL, Airtel

Available bandwidth: 48 mbps

Wi-Fi availability: Yes,

Internet Access in all labs, classrooms, library and offices of all departments: Yes

Security arrangements: Yes

Tele - Fax : 08672 - 241387

SRI VASAVI
INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE, New Delhi. Affiliated to JNTUK, Kakinada)
An ISO 9001 : 2008 Certified Institute
NANDAMURU, Pedana Mandal, Krishna Dist. - 521 369. (A.P.)

... Empowering Minds

Ref :-

Declaration

Date: .....

I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines in force as on date and the institute shall fully abide by them.

It is submitted that information provided in this Self Assessment Report is factually correct. I understand and agree that an appropriate disciplinary action against the Institute will be initiated by the NBA, in case any false statement/information is observed during pre-visit, visit, post visit and subsequent to grant of accreditation.

Date: 05-02-2019
Place: Nandamuru

(Dr.A.B.Srinivasa Rao)
Principal
Sri Vasavi Institute of
Engineering & Technology
NANDAMURU