

**K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY**



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

### **VISION**

To produce globally competitive Electronics and Communication Engineers and Entrepreneurs with ethical values.

### **MISSION**

- DM1:** Impart quality education through student centric teaching and learning process.
- DM2:** Equip students with Industry driven skills by providing excellent Infrastructure and continuous interaction with academia and Industry.
- DM3:** Empower students towards research, entrepreneurship and lifelong learning to meet societal needs.

### **PROGRAM EDUCATIONAL OBJECTIVES (PEOs)**

- PEO 1: Core Competency :** Graduates will have strong foundation in Engineering, Science and Technology for a successful career in Electronics and Communication Engineering.
- PEO 2: Professionalism :** Graduates will have effective communication skills, interpersonal skills and ethical values to exhibit professionalism in multidisciplinary environment.
- PEO 3: Higher studies and Entrepreneurship :** Graduates will pursue professional development through higher studies and have entrepreneurial attitude to address technological changes and societal needs.

**AURA**  
**Association of Electronics and Communication Engineering**



Department Association called “AURA” was formed in the year 2011. In order to provide a platform for the students and faculty to present and share their ideas, thoughts and findings and to conduct expert lectures, seminars, workshops, symposiums, conferences etc. This also aims in bringing pioneers in Electronics and Communication Engineering minds to drive them towards the excellence in Electronics and Communication Engineering.

- AURA Inauguration was conducted in 18.06.2019.
- Guest lecture on Bridging Gap between College and Corporate conducted by Dr.R.Nandakumar, K.S.Rangasamy Institute of Technology, on 18.06.2019.
- AURA Inauguration was conducted in 02.08.2019. and 17.08.2019.
- Guest lecture on Bridging Gap between College and Corporate conducted by Mr.R.Nandakumar, K.S.Rangasamy college of technology conducted on 02.08.2019 and B.Latha , Seshaas international public school ,salem conducted on 17.08.2019.

### **Value added course or Workshop organized by the department**

- Ms. P. Mohana Sunthari, AP/ECE, “**Youth Talk based on Technical Solution for Climatic Action**” on 05.07.19 and “**Technical Solution for Water Scarcity**” on 24.07.19.
- Mr.K.Venkatachalam,AP/ECE,Mr.M.V.Mahesh,AP/ECE,” **Value added Course on Circuit Debugging and Testing using Multisim**” on 31.07.19
- M.V. Mahesh, AP/ECE, K.Venkatachalam, AP/ECE “ **Circuit debugging and Testing using Multisim**” ON 31.07.2019.
- P.V. Mahesh, AP/ECE organized “ **Networking Course on CCNA**” on 06.08.2019.
- Dept of ECE organized “**SPRINGFEST’19- National Level Technical Symposium**” from 06.09.19 & 07.09.19.Signal and Image processing Team organized “**MATLAB ONRAMP**”workshop07.09.19,Embedded Team organized “**Programming for Raspberry Pi Project using Python**” on 07.09.19.
- Communication Team organized “ **Modern Antenna Design**” workshop on 07.09.19, Mr.K.Venkatachalam AP/ECE , “**Embedded Product Design**” workshop on 07.09.19,Embedded Team – “ **College To Corporate**” Guest Lecture on 13.09.19.
- Central University of Kerala, Sponsored by AICTE Training and Learning (ATAL) Academy WORKSHOP on “ **Five Days National Level Workshop on Internet of Things(IoT)**” was conducted by our faculty Dr.W.Divyapriya, HoD/ ECE ,P.Prem kumar, AP/ECE, M.V.Mahesh, AP/ECE from 16.10.2019 to 20.10.2019.
- K S R Institute for Engineering and Technology workshop on “Instructional and Assessment Characteristics of OBE Framework and Hands on Practices for Designing and Mapping Outcomes from 19.10.2019 -21.10.2019.
- P.V. Mahesh, AP/ECE organized “**Product Design and Development in connection with T-Pep Innovations**” on 17.08.2019.

## Guest lectures and Keynote speeches by faculty

- ❖ Dr.R.Nandakumar, HoD/ECE act as Resources person for the “AICTE Sponsored FDP on “Fostering Ethics, Moral values and Character Building in Technical Education” at AICTE Sponsored & Nandha Engineering College on 26.06.19.
- ❖ Dr.R.Nandakumar, HoD/ECE provide Guest Lecture on “Motivational programme for 1<sup>st</sup> year students” at Dept of ECE, K.S.Rangasamy College of Technology on 18.06.2019.
- ❖ Dr.R.Nandakumar, HoD/ECE provide Guest Lecture on “**Students Induction Programme**” at Dept of ECE, K.S.Rangasamy College of Technology on 02.08.2019.
- ❖ B. Latha ,AP/ECE provide Guest lecture on “Kaleidoscope - Academic Fair” at Sessaas International Public School, Salem on 17.08.2019.

### knowledge up gradation:

#### Seminar/FDP/SDP/Workshop/STTP etc attended by Faculty

S. No	Name of the Faculty	Title of the Programme	Type of the Programme	Conducted by (Dept. and Institution)	Date	Management Contribution
1.	B.Vinoth Kumar	FDP on Signals and Systems	Faculty Development Programme	Dept. of ECE, Vivekanandha College of Engineering for Women & Sponsored by Anna University	03.06.19 to 08.06.19	-
2	K.Venkatachalam	FDP on Signals and Systems	Faculty Development Programme	Dept. of ECE, Vivekanandha College of Engineering for Women & Sponsored by Anna University	03.06.19 to 08.06.19	-
3.	B.Latha	FDP on Digital Signal Processing	Faculty Development Programme	Dept. of ECE, PSG Institute of Technology and Applied Research & STEPS Knowledge Services	07.06.19 & 08.06.19	-
4.	M.Udhayakumar	FDP on Digital Signal Processing	Faculty Development Programme	Dept. of ECE, PSG Institute of Technology and Applied Research & STEPS Knowledge Services	07.06.19 & 08.06.19	-

5	B.Latha	AICTE sponsored FDP on "Fostering Ethics, Moral and Human Values in Technical Education"	FDP	AICTE Sponsored, & Dept of MBA, Nandha Engineering College	24.06.19 to 07.07.19	-
6	V.Praveen Kumar	AICTE sponsored FDP on "Fostering Ethics, Moral and Human Values in Technical Education"	FDP	AICTE Sponsored, & Dept of MBA, Nandha Engineering College	24.06.19 to 07.07.19	-
7	P.Mohana Sunthari	J-Gate – An Electronic Gateway for Research	Workshop	Dept of Central Library, K.S.R.College of Engineering	10.07.19	-
8	Dr.W.Devapriya	Two Days National Level Seminar on "Publishing Articles in SCI-Indexed Journals and Filing IPR"	Seminar	Research and Development Cell & Dept of Library, KSR Institute for Engineering and Technology	25.07.19 & 26.07.19	-
9	T.Senthil	Two Days National Level Seminar on "Publishing Articles in SCI-Indexed Journals and Filing IPR"	Seminar	Research and Development Cell & Dept of Library, KSR Institute for Engineering and Technology	25.07.19 & 26.07.19	-
10	B.Latha	Two Days National Level Seminar on "Publishing Articles in SCI-Indexed Journals and Filing IPR"	Seminar	Research and Development Cell & Dept of Library, KSR Institute for Engineering and Technology	25.07.19 & 26.07.19	-
11	P.Saranya	Two Days National Level Seminar on "Publishing Articles in SCI-Indexed Journals and Filing IPR"	Seminar	Research and Development Cell & Dept of Library, KSR Institute for Engineering and Technology	25.07.19 & 26.07.19	-
12	A.Ravi	Two Days National Level	Seminar	Research and Development Cell	25.07.19 &	-

		Seminar on “Publishing Articles in SCI- Indexed Journals and Filing IPR”		& Dept of Library, KSR Institute for Engineering and Technology	26.07.19	
13	Dr.W.Devapriya	How to write a Research Paper	Seminar	Dept of Library, K.S.Rangasamy College of Technology	28.08.19	-
14	T.Senthil					
15	J.Divakaran					
16	P.Mohana Sunthari					
17	P.Govindaraju					
18	Dr.W.Devapriya	Deep Learning Techniques in Healthcare Applications: Research Perspective	Seminar	CSIR Sponsored & conducted by Dept. of EIE, Kongu College of Engineering	29.08.19 to 31.08.19	Yes
19	P.Prem Kumar					
20	M.V.Mahesh	Circuit debugging and Testing using Multisim	Value Added Course	31.07.2019	-	-
21	A.Ravi	Current Industrial Requirements on Embedded Based Companies	Guest Lecture	05.08.2019	-	-
22	M.V.Mahesh	Networking Course on CCNA	Value Added Course	06.08.2019	-	-
23	M.V.Mahesh	Electronic Circuits I	Guest Lecture	14.08.2019	-	-
24	P.Mohana Sunthari	Technical Solution for Clean Water and Sanitation	Youth Talk	14.08.2019	-	-
25	M.V.Mahesh	Product Design and Development in connection with T-Pep Innovations	Value Added Course	17.08.2019	-	-
26	M.V.Mahesh	RF & Microwave Engg,	Guest Lecture	19.08.2019	-	-
27	P.Prem kumar	Forecasting Crop Yield in Precision Farming Using Deep Learning	CSIR Sponsored Seminar	Dept of ECE/ Kongu Engineering College	07.09.19	- -
28	J.Divakaran	Teaching and Learning	Faculty Development Programme	Teaching and Learning Centre, IIT Madras	16.10.19 to 18.10.19	-

29	Dr.W.Devapriya	Five Days National Level Workshop on Internet of Things(IoT)	Workshop	Central University of Kerala, Sponsored by AICTE Training and Learning (ATAL) Academy	16.10.19 – 20.10.19	Yes
30	P.Premkumar	Five Days National Level Workshop on Internet of Things(IoT)	Workshop	Central University of Kerala, Sponsored by AICTE Training and Learning (ATAL) Academy	16.10.19 – 20.10.19	Yes
31	Dr.R.Nandakumar	Instructional and Assessment Characteristics of OBE Framework and Hands on Practices for Designing and Mapping Outcomes	Workshop	K S R Institute for Engineering and Technology	19.11.19 – 21.11.19	-
32	Dr.W.Devapriya					
33	P.Govindaraju					
34	T.Senthil					
35	B.Latha					
36	T.Marthandan					
37	M.V.Mahesh					
38	P.Saranya					
39	S.Premalatha					
40	J.Divakaran					
41	T.Senthil	Deep Learning	NPTEL Online Certification Course	IITs & SWAYAM	July – Nov, 2019	(Elite Grade)
42	V.Sindhuja	Analog Communication	NPTEL Online Certification Course	IITs & SWAYAM	July – Nov, 2019	(Elite + Silver Grade)
43	B.Latha	Digital Image Processing	NPTEL Online Certification Course	IITs & SWAYAM	July – Nov, 2019	(Elite + Silver Grade, Topper in 2%)

## STUDENT ACHIEVEMENT

### (Co-curricular Activities – Inter College level)

S. No	Year / Sem. /Sec.	Name of the Student	Event Name	Conducted on	Name of the College /dept (Organized)	Prizes Won
1	III / V / A	Keerthivasan.N	Inplant Training	28.05.19 to 08.06.19	Sziva Eltecc, Ooty	-
2	III / V / B	Shanmathi.M	Inplant Training	02.06.19 to 05.06.19	Abile Technologies, Coimbatore	-
3	III / V / B	Ramya.S				
4	III / V / B	Priyanka.V				
5	III / V / B	Sweetlin Joshva .A				
6	III / V / B	Ruban Prasad.J	Inplant Training	28.05.19 to 08.06.19	Titan, Hosur	-
7	III / V / B	Sandhiya.K	Hands on Training on “Hardware product Design and Testing”	25.07.19	Salem College of Engineering and Technology	-
8	III / V / B	Shanmathi.M.M				
9	III / V / B	Sushmitha.A				
10	III / V / B	Sridharan.M				
11	III / V / B	Udhayakumar.R				
12	II/ III/-	Nithya.M	Workshop – PALS program	02.08.19	Vellalar College of Engineering and Technology	-
13	III / V / A	M.Gowtham				
14	III / V / B	L.Naveen				
15	II / III / -	M.Sathish kumar				
16	III / V / A	P.Dinnesh	Silambam at Youth Fest	02.08.19	Vellalar College of Engineering and Technology	-
17	III / V / A	R.Manimala	Speech at Youth Fest	10.08.19	JCI Salem	-
18	III / V / A	P.Dinnesh	Silambam			
19	III / V / A	P.Dinnesh	Silambam	11.08.19	Reliance Mall	-
20	III / V / B	K. Sindhuja	Workshop on Arduino	16.08.19	Kongu Engineering College	-
21	III / V / B	M. Sridharan				
22	III / V / B	S.R.Srinivasan	Workshop on Arduino	16.08.19	Kongu Engineering College	-
23	III / V / B	M. Thiyagu				
24	II / III / -	M. Nithya				
25	III / V / B	K. Sindhuja	Motivational Speech	17.08.19	Amman Matriculation School, Solasiramani	-
26	III / V / B	P.Yasodha				
27	III / V / B	M. Thiyagu				
28	III / V / B	S. Sharumathi	Paper presentation on ADHOC NETWORKS	21.08.19	Hindustan College of Engineering, Coimbatore	-
29	III / V / B	P.Yasodha				
30	III / V / B	K.Sindhuja				
31	III / V / B	S.Tejaswini				
32	III / V / A	R.Kamaleshwaran	PALS Program	28.08.19	Dr.N.G.P. Institute of	
33	III / V / B	M. Thiyagu				



34	III/ V/ B	S.S.Naveen	National Dirt Karting Championship (NDKC) – project contest	26.08.19 to 30.08.19	Technology, Coimbatore	-
35	III/ V/ B	K.Yuvansankar				
36	III/ V/ B	J. Ruban Prasad				
37	III/ V/ B	S. Sri Ranjani				
38	III / V/ A	R.Hariharasudhan				
39	III / V/ A	N.Dhanushkodi	Prevention Of Home From Insects Using Digital Image Processing	30.08.19	TNSCST Project Contest	-
40	IV /VII/ B	N.Poornima				
41	IV /VII/ B	M.priyadharshini				
42	IV /VII/ B	R.Shyam sundar				
43	IV /VII/ B	G.Srimathi	Automatic Stationery Vending Machine Using Arduino	30.08.19	TNSCST Project Contest	-
44	IV /VII/ B	M.Praveena				
45	IV /VII/ B	S.Priyadharshini				
46	IV /VII/ B	R.Vignesh				
47	IV /VII/ B	S.Yogesh				
48	IV /VII/ B	T.Nivetha	Solar Vehicle Using Embedded System	30.08.19	TNSCST Project Contest	-
49	IV /VII/ B	R.Sumathi				
50	IV /VII/ B	E.Surya				
51	IV /VII/ B	S.S.Priyanka				
52	IV /VII/ B	P.Nandha kumar	Solar Vehicle Using Embedded System	30.08.19	TNSCST Project Contest	-
53	IV /VII/ B	T.Roshini				
54	IV /VII/ B	S.Sakthi priya				
55	IV /VII/ B	S.Tamilarasi				
56	IV /VII/ B	C.Priyanka				
57	IV /VII/ B	E.Ramya sri	A Wireless Sensor Network For Exactness Agricultural Data	30.08.19	TNSCST Project Contest	-
58	IV /VII/ B	M.Showmiya				
59	IV /VII/ B	P.Tharanya				
60	IV /VII/ B	R.Nandhakumaran	A Wireless Sensor Network For Exactness Agricultural Data	30.08.19	TNSCST Project Contest	-
61	IV /VII/ B	K.Naveen				
62	IV /VII/ B	N.syed salman				
63	IV /VII/ B	A.S.Thamaraikannan				
64	IV /VII/ B	S.Naresh kumar	Hologram Speedometer In Vehicle	30.08.19	TNSCST Project Contest	-
65	IV /VII/ B	S.Sellakrishanaraja				
66	IV /VII/ B	K.R.Sharvesh ram				
67	IV /VII/ B	P.Thangavel				
68	IV /VII/ B	S.Nivetha	Android App Controlled Robotic Arm	30.08.19	TNSCST Project Contest	-
69	IV /VII/ B	P.Priyadharshini				
70	IV /VII/ B	G.Santhiya				
71	IV /VII/ A	S.Aswin	Lane Depature Warning System	30.08.19	TNSCST Project Contest	-
72	IV /VII/ A	D.Bhavya				
73	IV /VII/ A	T.Dhivya				
			Contrast Enhancement Of Microscopy Image	30.08.19	TNSCST Project Contest	-

74	IV /VII / A	A.S.Malathi				
75	IV /VII / A	N.Ananth	Water Level Depth Identifier In Bore Well	30.08.19	TNSCST Project Contest	-
76	IV /VII / A	V.Elangovan				
77	IV /VII / A	A.Gokula Krishnan				
78	IV /VII / A	M.Indira Kumar				
79	IV /VII / A	T.Divya	Drainage Monitoring And Detects The Object Using Arduino	30.08.19	TNSCST Project Contest	-
80	IV /VII / A	A.Meena				
81	IV /VII / A	K.Mekalai				
82	IV /VII / A	S.Durairaj	Opto Electric Nutrition Sensor Detection	30.08.19	TNSCST Project Contest	-
83	IV /VII / A	T.Abhishek				
84	IV /VII / A	M.Adhithya Kumar				
85	IV /VII / A	P.Anantha Krishnan				
86	IV /VII / A	S.Dinesh Krishna	Multiband Microstrip Patch Antenna For 5g Mm Wave Application	30.08.19	TNSCST Project Contest	-
87	IV /VII / A	M.Gowtham				
88	IV /VII / A	K.Logesh Kumar				
89	IV /VII / A	R.Lakshmanan				
90	IV /VII / A	N.M.Akshaya	Multiband Microstrip Patch Antenna For 5g Mm Wave Application	30.08.19	TNSCST Project Contest	-
91	IV /VII / A	S.Bhavyashree				
92	IV /VII / A	P.Iswarya				
93	IV /VII / A	P.Bhuvaneshwari	Vehicle Air Pollution Monitoring And Locking System	30.08.19	TNSCST Project Contest	-
94	IV /VII / A	G.Danatharshini				
95	IV /VII / A	V.Dharani				
96	IV /VII / A	R.Kanimozhi				
97	IV /VII / A	M.Brahadeeshwara n	Noisy Helper	30.08.19	TNSCST Project Contest	-
98	IV /VII / A	S.Karthikeyan				
99	IV /VII / A	V.Karthikeyan				
100	IV /VII / A	J.Maheshwaran				
101	IV /VII / A	S.Illakiya	Automatic Wall painting machines	30.08.19	TNSCST Project Contest	-
102	IV /VII / A	M.Jayashri				
103	IV /VII / A	M.Marimuthu				
104	IV /VII / A	R.Monika				
105	IV /VII / A	R.Balaji	Smart Shopping Trolley by RFID using Embedded system	30.08.19	TNSCST Project Contest	-
106	IV /VII / A	E.Navanandhini				
107	IV /VII / A	M.Brindha				
108	IV /VII / A	K.Kokila				
109	III / V / B	Ruban Prasad.J	Bharat Formula Karting	10.09.19 to 13.09.19	Karimotors, Coimbatore	-
110	III / V / B	Sri Ranjani.S				
111	II / III / -	Jot Princy.P				
112	III / V / A	Merin Kumar L	E-Cell Leadership - Workshop	18.09.19 & 19.09.19	Sona College of Technology, Salem	-
113	III / V / A	Kamalini N	Guest Lecture on Artificial	20.09.19	Sona College of	-
114	III / V / A	Manimala R				

			Intelligence, Quanti Computers		Technology Salem	
115	III / V / A	Kamaleshwaran R	PALS Entrepreneurship workshop	21.09.19	IIT Incubation Cell, Chennai	-
116	III / V / A	Keerthivasan N				
117	III / V / A	Hemaharini S	Technovation workshop	22.09.19	Live wire, Tiruchengod e	-
118	III / V / A	Muthulakshmi S				
119	III / V / A	Booma V				
120	III / V / A	Dinnesh P				
121	III / V / A	Janarth S				
122	III / V / A	Abinaya T				
123	III / V / A	Gowtham M				
124	III / V / B	Pavithra.T				
125	III / V / B	Premela.R	Technovation workshop	22.09.19	Live wire, Tiruchengod e	-
126	III / V / B	Suryapriya.K				
127	III / V / B	Swetha.G.P				
128	III / V / B	Sudha.G				
129	III / V / B	Santhiya.T				
130	III / V / B	Tamilzhagan.G				
131	III / V / B	Sridharan.M				
132	II / III / -	Nithya .M				
133	III / V / A	Merin Kumar L	Take Off Program - Workshop	28.09.19	Sona College of Technology, Salem	-
134	III / V / A	Kishore.D				
135	III / V / A	Dinnesh P	Silambam	28.09.19	Nasiyanur Government office	-
136	III / V / B	Thiyagu.M	Workshop on Embedded, Networking and Programming	29.09.19	CADD Centre, Tiruchengod e	-
137	III / V / B	Parkavi.P				
138	III / V / B	Priya.R				
139	III / V / B	Naveen.S.S				
140	III / V / B	Sridharan.M				
141	II / III / -	Nithya .M				

## STUDENT ACHEIVEMENT

### (Co-curricular Activities – Intra College level)

S. No	Year / Sem./Sec	Name of the Student	Paper Title/ Event name	Conducted on	Name of the Department (Organized)	Prizes Won
1.	II/III / -	Janarthanan S	Slogan Writing (Tamil)	05.10.19	Institution's Innovation	-

					Council Competition	
2.	II/III / -	Thangaraj K				
3.	II/III / -	Sathya R				
4.	III/V/ A	Harikrishnan M				-
5.	III/V/ A	Anbazhagan K				
6.	III/V/ A	Dharnish K`				
7.	II/III / -	Hari Krishnan D	Slogan Writing (English)	05.10.19	Institution's Innovation Council Competition	-
8.	II/III / -	Surya A				-
9.	III/V/ A	Karthika C				-
10.	III/V/ A	Manimala R				-
11.	III/V/ A	Daranidaran R S				-
12.	IV/VII/ B	Poornima.N				-
13.	IV/VII/ B	Srimathi.G				-
14.	II/III / -	Pavithra M	Essay writing (Tamil)	05.10.19	Institution's Innovation Council Competition	-
15.	III/V/ A	Hemaharini S				2 <sup>nd</sup> prize
16.	III/V/ A	Merin Kumar L				-
17.	III/V/ A	Kamalini N				-
18.	III/V/ A	Abinaya T				-
19.	III/V/ A	Geetharani G				-
20.	III/V/ A	Hemalatha S				-
21.	III/V/ A	Muthulakshmi S				-
22.	III/V/ A	Balakumaran N				-
23.	III/V/ B	Sharumathi.S				3 <sup>rd</sup> prize
24.	II/III / -	Ranjith G	Essay writing (English)			-
25.	II/III / -	Dhivin Rithik J				-
26.	II/III / -	Thulasiraman S				-
27.	II/III / -	Joy Princy P				1 <sup>st</sup> prize
28.	II/III / -	Dharani B				-
29.	III/V/ A	Dinnesh P	Essay writing (English)	05.10.19	Institution's Innovation Council Competition	-
30.	III/V/ A	Kamaleshwaran R				-
31.	III/V/ A	Hari Hara Sudhan R				-
32.	III/V/ A	Gokulnath N				-
33.	III/V/ A	Kishor M				-
34.	III/V/ A	Dhanish V				-
35.	III/V/ B	Premela.R				-
36.	III/V/ B	Shanmathi.M				-
37.	III/V/ B	Sinduja.K				-
38.	III/V/ B	Swetha.G.P				-
39.	III/V/ B	Tejaswini.S				-
40.	III/V/ B	Yasodha.P				-
41.	II/III / -	Hari Krishnan D	Poster Making	05.10.19	Institution's Innovation Council Competition	-
42.	II/III / -	Pon Kamalesh A				-
43.	II/III / -	Surya A				-
44.	III/V/ A	Gowtham M				-
45.	III/V/ A	Merin Kumar L				-

46.	III/V/ A	Kishore D						
47.	III/V/ B	Naveen.S.S						
48.	III/V/ B	Ruban Prasad.J						
49.	IV/VII/ B	Poornima.N						
50.	IV/VII/ B	Srimathi.G						
51.	IV/VII/ A	Abdul Kadhar.S						
52.	IV/VII/ A	Dinesh Krishna.S						
53.	II/III / -	Joy Princy P	Article (Innovation & Entrepreneurial Culture at our Institute)	05.10.19	Institution's Innovation Council Competition	-		
54.	III/V/ A	Kamalini N	Debate (Tamil)	05.10.19	Institution's Innovation Council Competition	-		
55.	III/V/ A	Madhangopal C				-		
56.	III/V/ A	Manimala R				-		
57.	II/III / -	Vignesh S K	Debate (English)			-		
58.	II/III / -	Thulasiraman S				-		
59.	II/III / -	Dhivin Rithik J				-		
60.	II/III / -	Ranjith G				-		
61.	II/III / -	Dhaanu				-		
62.	II/III / -	Joy Princy P				-		
63.	III/V/ A	Alka P				-		
64.	III/V/ A	Hari Hara Sudhan R				-		
65.	III/V/ A	Kamaleshwaran R				-		
66.	III / V / A	Madhangopal C	Innovator Award - Student			-		
67.	III/V/ A	Alka P	IV – 1 <sup>st</sup> Batch			09.10.19	Sivam Pipes-Tiruchengode, Textiles - Rajagoundan Palayam	-
68.	III/V/ A	Anbazhagan K						-
69.	III/V/ A	Balakumaran N		-				
70.	III/V/ A	Booma V		-				
71.	III/V/ A	Daranidaran R S		-				
72.	III/V/ A	Dhanushkodi N		-				
73.	III/V/ A	Dharnish K		-				
74.	III/V/ A	Dinnesh P		-				
75.	III/V/ A	Gokulnath N		-				
76.	III/V/ A	Gowtham M		-				
77.	III/V/ A	Hari Hara Sudhan R		-				
78.	III/V/ A	Harikrishnan M	-					

79.	III/V/ A	Hemaharini S				-
80.	III/V/ A	Jawahar Raja P				-
81.	III/V/ A	Kamaleshwaran R				-
82.	III/V/ A	Kamalini N				-
83.	III/V/ A	Karthika C				-
84.	III/V/ A	Keerthana S				-
85.	III/V/ A	Keerthivasan N				-
86.	III/V/ A	Kishor M				-
87.	III/V/ A	Kishore D				-
88.	III/V/ A	Madhangopal C				-
89.	III/V/ A	Manimala R				-
90.	III/V/ A	Manjula T				-
91.	III/V/ A	Merin Kumar L				-
92.	III/V/ A	Mushidha Sifana T				-
93.	III/V/ A	Muthulakshmi S	2 <sup>nd</sup> Batch	09.10.19	Ss Rigs & Hydraulics-Tiruchengode, Bharath Radiators	-
94.	III/V/ A	Aravinth R				-
95.	III/V/ B	Parkavi P				-
96.	III/V/ B	Parkavi S				-
97.	III/V/ B	Pavithra T				-
98.	III/V/ B	Raghuramachandiran V				-
99.	III/V/ B	Shanmathi M M				-
100.	III/V/ B	Sowmiya G V				-
101.	III/V/ B	Sreemathi G				-
102.	III/V/ B	Sridharan M				-
103.	III/V/ B	Suryapriya K				-
104.	IV/VII/ A	Abdulkadhar S				-
105.	IV/VII/ A	Adhithya Kumar M	3 <sup>rd</sup> Batch	09.10.19	Navasakthi Paper Board And TCMS Tiruchengode	-
106.	IV/VII/ A	Ajeeth Kumar M				-
107.	IV/VII/ A	Ananth N				-
108.	IV/VII/ A	Arulieeswaran R				-
109.	IV/VII/ A	Aswin S				-

110.	IV/VII/ A	Bhavya D				-
111.	IV/VII/ A	Danatharshini G				-
112.	IV/VII/ A	Dharani V				-
113.	IV/VII/ A	Dinesh Krishna S				-
114.	IV/VII/ A	Divya T				-
115.	IV/VII/ A	Elangovan V				-
116.	IV/VII/ A	Gokulakrishnan A				-
117.	IV/VII/ A	Gowtham M				-
118.	IV/VII/ A	Indirakumar M				-
119.	IV/VII/ A	Iswarya P				-
120.	IV/VII/ A	Kajapathy V				-
121.	IV/VII/ A	Karthikeyan S				-
122.	IV/VII/ A	Karthikeyan V				-
123.	IV/VII/ A	Lakshmanan R				-
124.	IV/VII/ A	Mekalai K				-
125.	IV/VII/ B	Mugilan M				-
126.	IV/VII/ B	Nandhakumar P				-
127.	IV/VII/ B	Nandhakumaran R				-
128.	IV/VII/ B	Nivetha T				-
129.	IV/VII/ B	Poornima N				-
130.	IV/VII/ B	Praveena M				-
131.	IV/VII/ B	Priyanka C				-
132.	IV/VII/ B	Priyanka S S				-
133.	IV/VII/ B	Ranjith V				-
134.	IV/VII/ B	Sakthi PRIYA S				-
135.	IV/VII/ B	Sathyamoorthi K				-
136.	IV/VII/ B	Sharveshram K R				-
137.	IV/VII/ B	Shyam Sundar R				-
138.	IV/VII/ B	Srimathi G				-
139.	IV/VII/ B	Surya R				-
140.	IV/VII/ B	Syed Salman N				-
			4 <sup>th</sup> Batch	09.10.19	Carnets, Bharath Radiators And Jayasurya - Tiruchengode	
			5 <sup>th</sup> Batch	09.10.19	Royal Textile-Komarapalayam	

141.	IV/VII/ B	Thangaraj J				-
142.	IV/VII/ B	Tharanya P				-
143.	IV/VII/ B	Vignesh R				-
144.	IV/VII/ B	Vimal Kumar R				-

### **Inplant Training attended by the students**

<b>Year / Sem. /Sec.</b>	<b>Name of the Student</b>	<b>Event Name</b>	<b>Conducted on</b>	<b>Name of the College /dept (Organized)</b>	<b>Prizes Won</b>
III / V/ A	Keerthivasan.N	Inplant Training	28.05.19 to 08.06.19	Sziva Eltecc, Ooty	-
III / V/ B	Shanmathi.M	Inplant Training	02.06.19 to 05.06.19	Abile Technologies, Coimbatore	-
III / V/ B	Ramya.S				
III / V/ B	Priyanka.V		02.06.19 to 04.06.19		
III / V/ B	Sweetlin Joshva .A				



III / V / B	Ruban Prasad.J	Inplant Training	28.05.19 to 08.06.19	Titan, Hosur	-
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S. No	Year / Sem./Sec.	Name of the Student	Paper Title/ Event name	Conducted on	Name of the Department (Organized)	Prizes Won
1.	IV / VII / B	N.Poornima	TI Contest '19 (Prevention Of Home From Insects Using Digital Image Processing)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
2.	IV / VII / B	M.Priyadharshini				
3.	IV / VII / B	R.Shyam sundar				
4.	IV / VII / B	G.Srimathi				
5.	IV / VII / B	M.Praveena	TI Contest '19 (Automatic Stationery Vending Machine Using Arduino)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
6.	IV / VII / B	S.Priyadharshini				
7.	IV / VII / B	R.Vignesh				
8.	IV / VII / B	S.Yogesh				
9.	IV / VII / B	T.Nivetha	TI Contest '19 (Solar Vehicle Using Embedded System)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
10.	IV / VII / B	S.S.Priyanka				
11.	IV / VII / B	R.Sumathi				
12.	IV / VII / B	E.Surya				
13.	IV / VII / B	P.Nandha kumar	TI Contest '19 (Status And Development Of Home Waste Water Reuse)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
14.	IV / VII / B	T.Roshini				
15.	IV / VII / B	S.Sakthi priya				
16.	IV / VII / B	S.Tamilarasi				
17.	II / III / -	K.Thangaraj				
18.	II / III / -	K.Amutha				

19.	IV / VII / B	C.Priyanka	TI Contest '19 (A Wireless Sensor Network For Exactness Agricultural Data)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
20.	IV / VII / B	E.Ramya sri				
21.	IV / VII / B	M.Showmiya				
22.	IV / VII / B	P.Tharanya				
23.	IV / VII / B	R.Nandhakumaran	TI Contest '19 (Hologram Speedometer In Vehicle)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
24.	IV / VII / B	K.Naveen				
25.	IV / VII / B	N.syed salman				
26.	IV / VII / B	A.S.Thamaraikannan				
27.	IV / VII / B	S.Naresh kumar	TI Contest '19 (Android App Controlled Robotic Arm)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
28.	IV / VII / B	S.Sellakrishanaraja				
29.	IV / VII / B	K.R.Sharvesh ram				
30.	IV / VII / B	P.Thangavel				
31.	IV / VII / B	S.Nivetha	TI Contest '19 (Lane Departure Warning System)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
32.	IV / VII / B	P.Priyadharshini				
33.	IV / VII / B	G.Santhiya				
34.	III / V / A	P.Alka				
35.	IV / VII / A	S.Aswin	TI Contest '19 (Contrast Enhancement Of Microscopy Image)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
36.	IV / VII / A	D.Bhavya				
37.	IV / VII / A	T.Dhivya				
38.	IV / VII / A	A.S.Malathi				
39.	IV / VII / A	N.Ananth	TI Contest '19 (Water Level Depth Identifier In Bore Well)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
40.	IV / VII / A	V.Elangovan				
41.	IV / VII / A	A.Gokula Krishnan				
42.	IV / VII / A	M.Indira Kumar				
43.	IV / VII / A	T.Divya	TI Contest '19 (Drainage Monitoring And Detects The Object Using Arduino)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
44.	IV / VII / A	A.Meena				
45.	IV / VII / A	K.Mekalai				
46.	IV / VII / A	S.Durairaj	TI Contest '19 (Opto Electric Nutrition Sensor Detection)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
47.	IV / VII / A	P.Anantha Krishnan				
48.	IV / VII / A	T.Abishek				
49.	IV / VII / A	M.Adhithya Kumar				
50.	IV / VII / A	S.Dinesh Krishna	TI Contest '19 (Health Management Of	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
51.	IV / VII / A	M.Gowtham				

52.	IV / VII / A	K.Logesh Kumar	Cop Precision With Smart Farming Techniques Using Iot)			
53.	IV / VII / A	R.Lakshmanan				
54.	IV / VII / A	N.M.Akshaya	TI Contest '19 (Multiband Microstrip Patch Antenna For 5g Mm Wave Application)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
55.	IV / VII / A	S.Bhavyashree				
56.	IV / VII / A	P.Iswarya				
57.	IV / VII / A	P.Bhuvaneshwari	TI Contest '19 (Vehicle Air Pollution Monitoring And Locking System)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
58.	IV / VII / A	G.Danatharshini				
59.	IV / VII / A	V.Dharani				
60.	IV / VII / A	R.Kanimozhi				
61.	IV / VII / A	M.Brahadeeshwaran	TI Contest '19 (Noisy Helper)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
62.	IV / VII / A	S.Karthikeyan				
63.	IV / VII / A	V.Karthikeyan				
64.	IV / VII / A	J.Maheshwaran				
65.	IV / VII / A	S.Illakiya	TI Contest '19 (Automatic Wall painting machines)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
66.	IV / VII / A	M.Jayashri				
67.	IV / VII / A	M.Marimuthu				
68.	IV / VII / A	R.Monika				
69.	II / III / -	K.Vaishnavi				
70.	II / III / -	R.Sathya				
71.	IV / VII / A	R.Balaji	TI Contest '19 Smart Shopping Trolley by RFID using Embedded system)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
72.	IV / VII / A	E.Navanandhini				
73.	IV / VII / A	M.Brindha				
74.	IV / VII / A	K.Kokila				
75.	III / V / B	S.S.Naveen	TI Contest '19 (Wifi monitor for agriculture)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
76.	III / V / B	R.Priya				
77.	III / V / B	P.Parkavi				
78.	III / V / B	K.Yuvan Shankar				
79.	III / V / B	K.Suresh				
80.	III / V / B	V.Shalini				
81.	III / V / B	K.Sinduja	TI Contest '19 (A smart parking system)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
82.	III / V / B	S.Tejaswini				
83.	III / V / B	S.Sharumathi				

84.	III / V / B	P.Yasodha	TI Contest '19 (Design and implementation of automatic generator)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
85.	III / V / B	G.Sreemathi				
86.	III / V / B	M.Thiyagu				
87.	III / V / B	L.Naveen				
88.	III / V / B	K.Subash				
89.	III / V / B	S.Uvanees				
90.	III / V / B	C.Sukhesan				
91.	III / V / B	S.R.Srinivasan	TI Contest '19 (Energy Harvesting through high frequency)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
92.	III / V / A	R.Manimala				
93.	III / V / A	N.Kamalini				
94.	III / V / A	S.Hemalatha				
95.	III / V / A	R.Hari hara sudhan				
96.	III / V / A	N.Dhanushkodi				
97.	III / V / A	N.Gokulnath				
98.	III / V / A	S.Hemaharaini	TI Contest '19 (Water Monitoring system)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
99.	III / V / A	S.Muthulakshmi				
100.	III / V / A	S.Janarth				
101.	III / V / A	P.Dinesh				
102.	III / V / A	V.Booma				
103.	III / V / A	G.Geetharani				
104.	III / V / A	R.Kamaleshwaran	TI Contest '19 (Intellegent Luminous control)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
105.	III / V / A	C.Madhangopal				
106.	III / V / A	N.Keethivasan				
107.	III / V / A	D.Kishore				
108.	III / V / A	S.Keerthana				
109.	III / V / A	C.Karthika				
110.	III / V / A	M.Hari Krishnan	TI Contest '19 (Vehicle Automation)	October 2019	Texas Instruments (TI) with DST	Shortlisted in 1 <sup>st</sup> round
111.	III / V / A	K.Dharnish				
112.	III / V / A	M.Gowtham				
113.	III / V / A	M.Kishor				
114.	III / V / A	K.Anbazhagan				
115.	III / V / A	R.S.Darani daran				

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**Program Outcome for Electronics and Communication Engineering**

**PO 1: Engineering Knowledge:** Apply knowledge of mathematics, science and engineering principles to solve problems in the domain of Electronics and Communication Engineering.

**PO 2: Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO 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.

**PO 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.

**PO 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.

**PO 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.

**PO 7: Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge and need for sustainable development.

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

**PO 9: Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

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

**PO 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.

**PO 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 (PSO)**

**PSO1: Embedded system design:** Graduates will be able to analyze, design, construct and test electronic and embedded systems for desired specification.

**PSO2 : Simulation Tools:** Graduates will be able to solve emerging real world problems using suitable hardware and software tools.