



**SRI VENKATESWARA ENGINEERING COLLEGE**

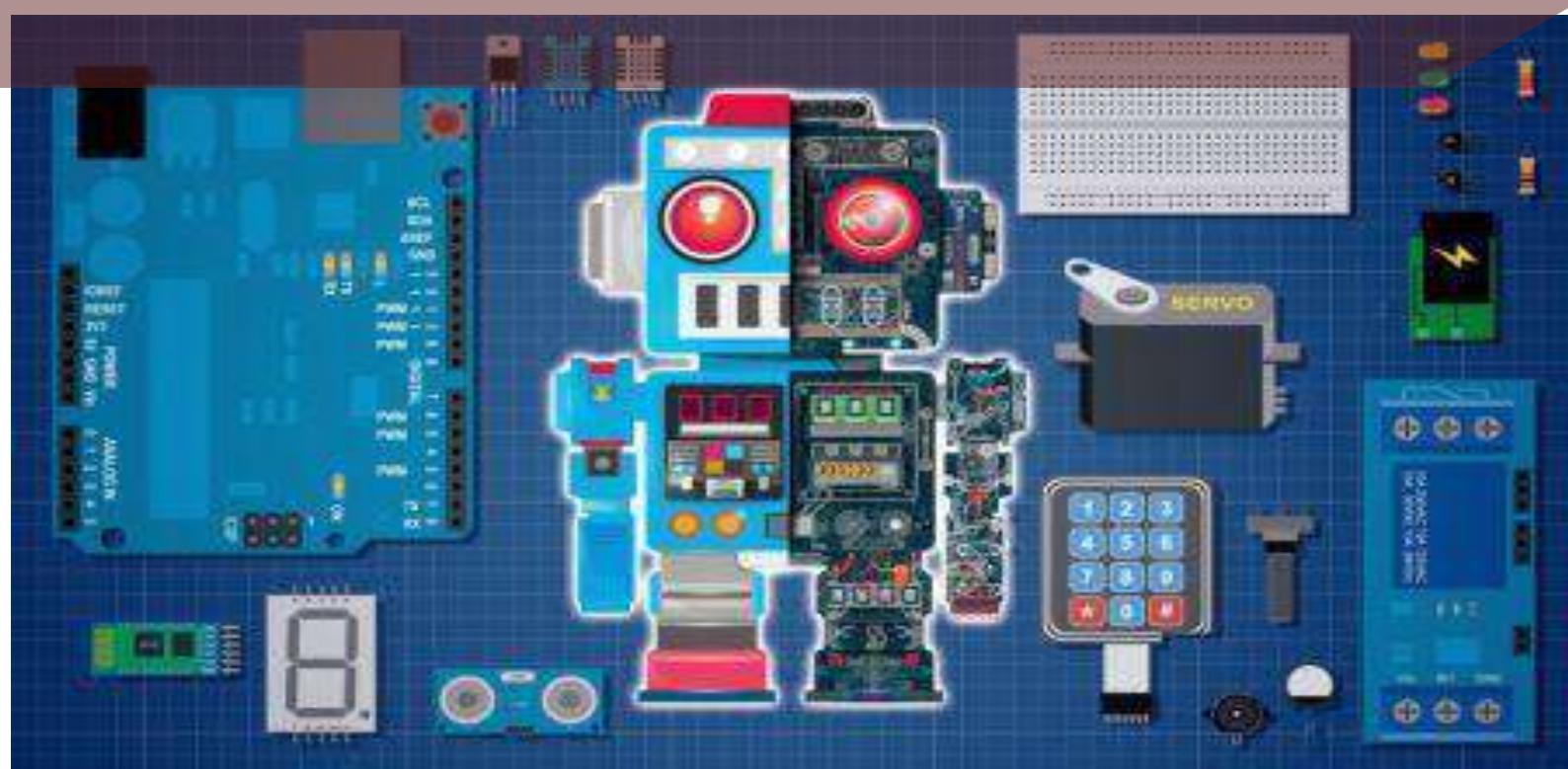
**Karakambadi Road, Tirupati - 517 507**

Permanent Affiliation to JNTUA & Approved by AICTE, Accredited by NAAC

Recognized under section 2(f) & 12(b) of UGC act 1956.

**Department of Electronics and Communication Engineering**

## **NEWS LETTER (2020-21)**





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## 2020-21 ODD SEM

### ABOUT THE DEPARTMENT

The Department has highly qualified and rich experienced faculty with the aim of providing quality educational service. The Department has good infrastructural facilities and is equipped with full-fledged laboratories and audio visual systems. The department focuses its research on Image processing, Communications, Microwave Engineering, VLSI & Embedded Systems etc

### Department Vision

To be a focal centre for academic excellence in competing global standards and dynamics in the field of Electronics and Communication Engineering with research and services focusing skills, entrepreneurial, ethical and social concern.

### Department Mission

1. To impart quality technical education in Electronics and Communication Engineering with core instructions, well established infrastructure, state of the art laboratories and cognizant faculty.
2. To prepare the young and dynamic Electronics and Communication Engineers professionally adept and intellectually adept with knowledge, behaviour and information competency.
3. To enable the learners for Changing Trends in the field of Electronics and Communication Engineering with a focus on career guidance, placements and higher education by Industry-Institute relationship.

## Students' Academic Achievements

### Results

S.No.	Year/Sem	No. of Registered Students	No. of Students Pass	Pass Percentage	No. of First Class Students	First Class Percentage
1	IV-II	249	201	80.72%	201	80.72%
2	III-II	251	188	74.90%	188	74.90%
3	II-II	264	139	53%	139	53%



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## Toppers List:

### IV B.TechII-Semester

S.No.	Roll Number	Name of the Student	Percentage
1	169E1A0475	KADIYALA BHAVANA	92.60
2	169E1A0472	K MADHAVI LATHA	91.20
3	169E1A0476	KADIYALA HEMALATHA	90.80
4	169E1A04F8	PAIDIPALLI MAHATHI	90.80
5	169E1A04N8	YARRAMACHU SWARNALATHA	90.60
6	169E1A0473	K S SUMA	90.40

### III B.TechII-Semester

S.No.	Roll Number	Name of the Student	Percentage
1	179E1A04H0	SAMUDRALA ANEESHA	86.24
2	179E1A04K9	THOMMANDRU DIVYASRI	85.91
3	179E1A0455	GUTTHA CHAITANYA	84.84
4	179E1A04J0	SHAIK THAHASEEN	84.73
5	179E1A04G5	RENTALA AKSHITA	84.19

### II B.TechII-Semester

S.No.	Roll Number	Name of the Student	Percentage
1	189E1A04K3	T S KAMALEE	84.25
2	189E1A04I9	SAKHAMURI SWATHIKA	83.50
3	189E1A04E3	MARKAPURAM NIVYA	83.12
4	189E1A0422	BILLA NISHITHA	82.25
5	189E1A04A4	VENKATA SAI PRANATHI	81.38

## Student's achievements

### 1. Covid 19 Projects



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S. No.	Dept.	Name of the Students	Name of the Mentors
1.	ECE	B Geetavani, D.Mounika, B.Haritha, A.Pavani, C.Sravani, I NavyaSree, K Chowdamani	Dr.T. Chandra Sekhar Rao Mr. M. Vasudeva Reddy
2.		N.S. Lavanya, M. Nivya, P. Suma, P. Nohitha, P. Rushitha, M. Gowthami, N. Pavithra, P. UdayaBhanu, K. Suvarna, N. Charitha	Mr. T. Murali Krishna Mr. T. R. Revanth Kumar
3.		M. Kalyan, K. CharanTeja, V. Hemanth, A. BhavyaSree P. Hemanth Kumar, Y. Pranathi	Dr. G. Chandriah
4.		N. Navya Sri, P. Muni Mounika, M. VasuPriya, K. Bhargavi, B. Charishma, D. Subhashini	Dr. K. Reddi Mohan Naidu Dr. C. Raju
5.		G. Yasaswini, E. Gayathri, G. Sushma, J. SaiSupriya, K.M. Vyshnavi, K. Harshitha	Dr. C. Raju Mr. P. Suresh Babu

2. Ms Devipriya from III ECE-A ,Department of ECE remained as runner up in international space Olympiad (ISO) 2020  
 Participated in the last round of Hackthon 19 in IIITDM Kanchipuram, Tamilnadu  
 Pursued Elite Alison graduate by completing “ Transformation leadership” and “Winning with communication” course of 97% score with 1675-16698585 credial ID  
 Joined in internshala, Duration of the program: 22-11-2020 to 31-01-2021

### 3. Internship Details

<b>K.L.V.S.Pranathi</b>	<b>189E1A04A4</b>	<b>Industrial IoT,Deep and Machine Learning using LabVIEW</b>	<b>VI solutions, Bangalore</b>
<b>K.V.SaiVenuMadhavi</b>	189E1A04B6	Industrial IoT,Deep and Machine Learning using LabVIEW	VI solutions, Banglore
<b>J.ManiDeepika</b>	189E1A0496	Industrial IoT,Deep and Machine Learning using LabVIEW	VI solutions, banglore
<b>G. Yasaswini</b>	189E1A0484	Graphical Programming Language using NI LabVIEW	ECE, SVEC
<b>K.V.SaiVenuMadhavi</b>	189E1A04B6	Graphical Programming Language using NI LabVIEW	Dept ECE,SVE
<b>K.Harshitha</b>	189E1A04A3	Graphical Programming Language using NI LabVIEW	Dept ECE,SVE



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<b>K.L.V.S.Pranathi</b>	189E1A04A4	Graphical Programming Language using NI LabVIEW	Dept ECE,SVE
<b>G. RIHANA</b>	189E1A0486	Graphical Programming Language using NI LabVIEW	Dept ECE,SVE
<b>J Mani Deepika</b>	189E1A0496	Graphical Programming Language using NI LabVIEW	Dept ECE,SVE
<b>P. Nikhitha</b>	199E5A0406	Graphical Programming Language using NI LabVIEW	Dept ECE,SVE
<b>G.Akanksha</b>	189E1A0470	Graphical Programming Language using NI LabVIEW	Dept ECE,SVE
<b>K.J.Sunandhin</b>	189E1A04A7	Graphical Programming Language using NI LabVIEW	Dept ECE,SVE
<b>T.Mounica</b>	179E1A04K4	IoT,ML ,AI using LABVIEW	VI solutions
<b>Y.SaiVennela</b>	179E1A04N4	AI using LABVIEW	VI solutions
<b>SirumallaKeerthana</b>	179E1A04J2		pantech solutions
<b>Muddureddyjahnavi</b>	179E1A04B4	Sriharikota,ISRO	Sriharikota,ISRO
<b>APARNA NAGAMALLI</b>	179E1A04C0	DRDO	HYD
<b>KankanalaYamini</b>	179E1A0477	DRDO	HYD
<b>Tejaswinichamarthi</b>	179E1A0425	Graphical programming language using nilabview	

4. E.L Shreyahsritha and K Radhika from III ECE-B got AWARD OF Appreciation for their talent and excellence in PRERANA competition held during Chittoor District youth fest 2021.

**Placement Details**

<b>PLACEMENTS DATA AY 2020-2021 (BATCH 2017-2021)</b>					
<b>Company name</b>	<b>ECE A</b>	<b>ECE B</b>	<b>ECE C</b>	<b>ECE D</b>	<b>Total No. of Offers (Company wise)</b>
	<b>Total Offers</b>	<b>Total Offers</b>	<b>Total Offers</b>	<b>Total Offers</b>	
<b>Capgemini</b>	1	1	2	0	4
<b>Hexaware</b>	0	0	1	1	2
<b>CTS GenC</b>	6	4	7	2	19
<b>TCS</b>	0	1	0	3	4
<b>CGI</b>	4	5	2	8	19
<b>Wipro TE</b>	1	1		2	4
<b>Total No. of offers Section wise</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>16</b>	<b>52</b>
<b>Total No. of Placed students</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>16</b>	<b>52</b>
<b>Total Number of Offers</b>					<b>52</b>
<b>Total Number of Placed students</b>					<b>52</b>



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## Events

1. Department of ECE conducted a two day workshop on “Scratch to C using Tinker cad and Embedded C” by Mr. T Murali Krishna and Mr.T.R.Revanth Kumar
2. Department of ECE conducted a webinar on “frugal innovation for sustainable development” on 20-08-2020
3. Department of ECE initiated IEEE Student chapter on 6<sup>th</sup> October 2020

**For further queries,  
Contact Event Organizers :**

- 1.K.V.Sai Venu Madhavi ( III ECE )  
Ph: 9010602289
- 2.K.L.V.S.Pranathi ( III ECE )  
Ph : 6305040276
- 3.M.Thanu Sree ( III CSE )  
Ph : 9966174238
- 4.K.Dharmika ( III CSE )  
Ph : 6304277191
- 5.A.Reddy Prasanna ( III EEE )  
Ph : 8008298878
- 6.B.Vishnu Priya ( III EEE )  
Ph : 8978779437
- 7.P.Madhuri ( III IT )  
Ph : 6301792201
- 8.M.Nikhila ( III IT )  
Ph : 7093229645

IEEE SVEC SB CHAIR

4. Department of ECE conducted AICTE Sponsored one week STTP on “Harmony in the workplace: Effective Interpersonal and communication skills form 23-11-2020 to 27-11-2020.

**Department of Science & Humanities**  
Cordially invites you for the Inaugural Function of  
AICTE Sponsored One Week Short Term Training Programme on  
**Harmony in the Workplace: Effective Interpersonal & Communication Skills**  
Phase – II – Complementary Correlativity @ Career Concerns  
(Interpersonal Skills @ Workplace)  
23<sup>rd</sup> November, 2020 (Monday) @ 10:00 A.M (IST)

**Prolocutor**  
Prof. K. Sai Chandu  
President of IAAC Society  
Andhra Pradesh

**Key Note Speaker**  
Prof. Y.S. Sarada  
Professor, Department of English  
Sri Padmavathi Mahila University  
Tirupati

**Guest Speaker**  
Dr. Samuel Rukomia Kanguru  
Research Analyst &  
Motivational Speaker  
Kenya

**Addresser**  
Prof. Samuel Johnson  
Professor  
VIT, AP

**Welcome Address**  
Dr. T. Kalpalatha Reddy  
Principal  
SVEC, Tirupati

**Chief Patrons**  
Shri. A. Gangi Reddy, Chairman  
Shri. Prakash Ambareesh, Vice-Chairman

**Patrons**  
Dr. T. Kalpalatha Reddy, Principal, SVEC  
Dr. N. Sudhakar Reddy, Principal, SVCE  
Dr. P. V. N. Reddy, Principal, SVCK

**Convenor**  
Dr. K. Suresh Reddy  
Professor & HOD  
S&H Department

**Co-Coordinator**  
Dr. M. Venkateswaran  
Professor  
S&H Department

**Organizing Secretary**  
Dr. M. Venkateswaran  
Associate Professor  
S&H Depa

**Co-Coordinators:** Mr.T.Yugandhar, Assoc. Professor, S&H Department & Ms.B.Vani, Assistant Professor, S&H Department



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5. Department of ECE conducted Alumni webinar series on “ your first job and communication skills



6. Department of ECE conducted a webinar on “Campus to Career programme” from 18-12-2020 to 19-12-2020

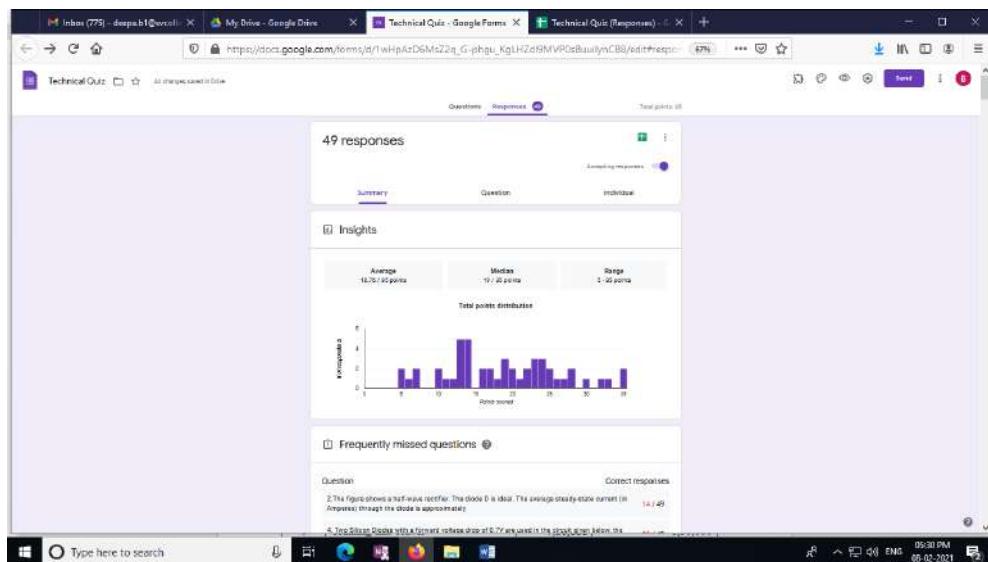
7. Department of ECE conducted Guest Lecture on “MEMS” on 28-01-2021





## IETE Student Forum [ISF]

1. Department of ECE in association with IETE Student Forum [ISF] organized a Technical quiz on 17.12.2020.





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The screenshot shows a Google Forms quiz titled "Technical Quiz". The form includes fields for "Email address" (marked as required), "COLLEGE NAME", "STUDENT NAME" (marked as required), "ROLL NUMBER" (marked as required), and "YEAR & SECTION" (marked as required). The "Email address" field includes a note: "This form is collecting email addresses. Change settings". The "COLLEGE NAME" field has a note: "Short answer text". The "STUDENT NAME" field has a note: "Short answer text". The "ROLL NUMBER" field has a note: "Short answer text". The "YEAR & SECTION" field has a note: "Short answer text". The top of the browser window shows tabs for "Inbox (775) - deeps.b1@svcoll", "My Drive - Google Drive", and "Technical Quiz - Google Forms". The URL in the address bar is [https://docs.google.com/forms/d/1wHpAzD6MsZ2q\\_G-phgu\\_KgLHzd9MVP0sBuuylnCB8/edit](https://docs.google.com/forms/d/1wHpAzD6MsZ2q_G-phgu_KgLHzd9MVP0sBuuylnCB8/edit). The browser interface includes a search bar, taskbar icons, and a system tray showing the date and time as 08-02-2021 05:31 PM.

2. Department of ECE in association with IETE Student Forum [ISF] organized ISF day on 01.02.2021.





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## FDP's Organized

Dates (from-to) (DD-MM-YYYY)	Title of the professional development program organised for teaching staff	No. of participants
<b>18-05-2020 to 22-05-2020</b>	Short term training programme on Emerging technologies in Electronics and communication Engineering	235
<b>22-06-2020 to 26-06-2020</b>	Faculty Development Programme on eSim	90



# Faculty Contributions/Achievements

1. Mr. K Raveendra, Associate Professor got Best researcher award from new science inventions



## **2. Sponsored Research**

S.No	Title of Proposal	Duration	Funding Agency	Amount	Researcher	Status
1	Identifying and Profilling Skill Development Activities for generating Potential Employment opportunities for the Persons with Disabilities-A Study	3 Years	DST/SEE D/TIDE	27,76,209	Dr.C.CHANDRASEKHAR	On going
2	EAC	3 Days	DST-NIMAT	40,000	Dr.T.KALPALATHAREDDY	Completed
3	National Conference on Recent Trends in MEMS and Nano Sensor	2 Days	CSIR	1,00,000	Dr.C.CHANDRASEKHAR	Completed
Total				<b>29,16,209</b>		

3. Mr G.Chandraiah, Associate Professor awarded Ph.D Degree form S.V University, Tirupati during the A.Y 2020-21



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4. Mr P.Dileep Kumar, Associate Professor awarded Ph.D Degree form S.V University, Tirupati during the A.Y 2020-21



## 5. Faculty Publications

S. No	Name of the Faculty	Title of the Paper	Name of Journal	ISSN/DOI number
1	Dr.T.Kalapalatha Reddy	Design and implementation of Least Mean Square adaptive FIR filter using offset binary coding based Distributed Arithmetic	ELSEVIER/Micro processors and Microsystems	<a href="https://doi.org/10.1016/j.micro.2019.102884">https://doi.org/10.1016/j.micro.2019.102884</a>
2	Dr.T.Kalapalatha Reddy	Design and implementation of Least Mean Square adaptive FIR filter using offset binary coding	Journal of Engineering and Applied Sciences	1816-949X



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		based Distributed Arithmetic with MCSLA		
3	Dr.C.Chandrasekhar	Heart rate monitoring using MEMS capacitive analysis	International Journal of Research	2236-6124
4	Dr.C.Chandrasekhar	Home automation and Gas leakage detection using IOT	International Journal of Research	2236-6124
5	Dr.C.Chandrasekhar	A Low profile Quadruple Band Rejected UWB Circular Monopole Antenna using EBG structures	IJEAT	2249-8958/DOI:10.35940/ijeat.A9605.109119
6	Dr.C.Chandrasekhar	PIR sensor motion detection system using MEMS MOSFET analysis	International Journal of Research	2236-6124
7	Dr.T.Chandrasekhar Rao	FPGA Implementation of Video Dehazing using Dark Channel Priori Algorithm	IJRTE	2277-3878/10.3590/IJRTE.D8801.018520



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8	Dr.P.Sankar	Spam Detection in Link Shortening Web Services Through Social Network Data Analysis	Springer/DECT	<a href="https://doi.org/10.1007/978-991-15-1097-7_9">https://doi.org/10.1007/978-991-15-1097-7_9</a>
9	Dr.B.ShobanB abu	Image Enhancement using Wavelet Fusion for Medical Image Processing	International Journal of Engineering and Advanced Technology (IJEAT)	2249 – 8958/DOI: 10.35940/ijeat.A9885.109119
10	T.Kaliraja	An experimental study on photovoltaic module with optimum power point tracking method	Wiley/International Transactions Electrical Energy Systems	10.1002/2050-7038.12175
11	T.Kaliraja	A Novel Hybrid optimization technique for maximum power point tracking under partial shading	IJEAT	2249-8958
12	V.Madhurima	FIR Filter design using Modified DAA for Low power applications	Jour of Adv Research in Dynamical & Control Systems	1943-023X
13	M.Vasudeva Reddy	Smart Surveillance	International Journal of	2236-6124



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		system with motion detection using Raspberry Pi	Research	
14	M.Vasudeva Reddy	Dehazing of Satellite images using DWT	JETIR	2349-5162
15	M.Vasudeva Reddy	Dehazing of Satellite images using convolutional Neural Network	JETIR	2349-5162
16	M.Vasudeva Reddy	Smart Surveillance system with motion detection using Raspberry Pi	IJR	2236-6124
17	P Suresh Babu	Mesosphere Stratosphere Troposphere (MST) Radar Signal usign DWT with Overlapping Group Shrinkage	IJAST	2005-4238 DOI: 10.33832/ijast.2019.127.01
18	T.R.Revanthkumar	Image Enhancement using Wavelet Fusion for Medical Image Processing	International Journal of Engineering and Advanced Technology (IJEAT)	2249 – 8958/DOI: 10.35940/ijeat.A9885.109119
19	T.R.Revanthkumar	A Real time flood alert system for	IJSRR	2279-543X



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		parking LOTS based on Arduino WSN & IoT		
20	G.MadhaviLat ha	Spectral Analysis of MST Radar Signal using Maximum Likelihood Estimation Algorithm	IJEAT	2249-8958/ DOI:10.35940/IJEAT.B3843.129219
21	M.Mahesh	Image Enhancement using Wavelet Fusion for Medical Image Processing	International Journal of Engineering and Advanced Technology (IJEAT)	2249 – 8958/DOI: 10.35940/ijeat.A9885.109119
22	J.Saikrishna	Image Enhancement using Wavelet Fusion for Medical Image Processing	International Journal of Engineering and Advanced Technology (IJEAT)	2249 – 8958/DOI: 10.35940/ijeat.A9885.109119
23	Dr.T.Kalapalatha Reddy	ACPT-An Intelligent Methodology for Disease Diagnosis	Journal of Advance in Dynamical & Control Systems(JARDC)	1943-023X
24	Dr.T.Kalapalatha Reddy	High performance hybrid cognitive framework for bio-facial signal fusion processing for the disease	ELSEVIER/Measurement	0263-2241/ <a href="https://doi.org/10.1016/j.measurement.2019.02.041">https://doi.org/10.1016/j.measurement.2019.02.041</a>



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		diagnosis		
25	P.Dileep Kumar	Noise Reduction in Lidar Signal Based on Sparse Difference Method	Springer	<a href="https://doi.org/10.1007/978-981-15-1451-7_26">https://doi.org/10.1007/978-981-15-1451-7_26</a>
26	S V S Jayashyam	High throughput Efficient Modified SQRT Carry Select Adder	IJRTE	<a href="https://doi.org/10.35940/IJRTE.E3205.018520">https://doi.org/10.35940/IJRTE.E3205.018520</a>
27	K.Venkateswar aRao	High throughput Efficient Modified SQRT Carry Select Adder	IJRTE	<a href="https://doi.org/10.35940/IJRTE.E3205.018521">https://doi.org/10.35940/IJRTE.E3205.018521</a>
28	K.Yuvaraj	Personal Assistance Device for Independent Senior Citizens/Patients	IJRTE	<a href="https://doi.org/10.35940/IJRTE3204.018520">https://doi.org/10.35940/IJRTE3204.018520</a>
29	N. Gunasekhar Reddy	Personal Assistance Device for Independent Senior Citizens/Patients	IJRTE	<a href="https://doi.org/10.35940/IJRTE3204.018520">https://doi.org/10.35940/IJRTE3204.018520</a>
30	G. Chandraiah	Spectral Analysis of MST Radar Signal using Maximum Likelihood Estimation Algorithm	IJEAT	2249-8958/ DOI:10.35940/IJEAT.B3843.129219



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31	Dr.P.Sankar	Diagnosis of Type -2 Diabetes using Classification and Mining Techniques	IJEAT	2249-8958/ DOI: 10.35940/IJEAT.C5988.029320
32	Manjunath K M	Diagnosis of Type -2 Diabetes using Classification and Mining Techniques	IJEAT	2249-8958/ DOI: 10.35940/IJEAT.C5988.029321
33	Madhurima V	Diagnosis of Type -2 Diabetes using Classification and Mining Techniques	IJEAT	2249-8958/ DOI: 10.35940/IJEAT.C5988.029322
34	T R Revanth Kumar	Development of Indoor Environment AIR QUALITY DETECTION System using Ant Colony Optimiztion	IJAST	2005-4238
35	M Harshvardhan	Development of Indoor Environment AIR QUALITY DETECTION System using Ant Colony Optimiztion	IJAST	2005-4238
36	K.KhamarTaj	An Efficient Method for	International Journal of	2005-4238



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		Satellite Image Emhanceme nt	Advanced Science and Technology	
37	C. Rajini	An Efficient Method for Satellite Image Emhanceme nt	International Journal of Advanced Science and Technology	2005-4238
38	Ch.Pallavi	An Efficient Method for Satellite Image Emhanceme nt	International Journal of Advanced Science and Technology	2005-4238

## FDP's Attended

<b>Title of the professional development programme</b>	<b>Number of teachers who attended</b>	<b>From</b>	<b>To</b>	<b>Duration in day</b>
IoT Trends to Drive Innovation for Businessand Digital Technology	3	05-11-2020	15-11-2020	5
NAAC Awareness Programme for Faculty	11	05-08-2020	14-08-2020	7
Faculty awareness program on NAAC Accreditation	1	05-10-2020	15/10/2020	5
FDP on Data Science using Python and R Certificate	1	20-04-2020	30-04-2020	10