

## Research and Development 2018-19

### Academic Research

- Academic research includes research paper publications, Ph.D. guidance, and faculty receiving Ph.D. during the assessment period.
- Number of quality publications in refereed/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.

### CONFERENCES

1	Dr.V.Sailaja	Design and implementation of Low power 5 stage pipelined 32 bit MIPS processor using 28 nm technology.	29 <sup>th</sup> -30 <sup>th</sup> NOV 2018	ICETESTM
2	Mrs.P.Sunitha	“Design and implementation of low power 5 stage Pipelined 32 bits MIPS Processor using 28nm Tech2nology	29th -30th November 2018	ICETES
3	Mrs.P.Sunitha	Spectral subtractive type algorithms for speech enhancement and their performance analysis”,	JULY 26 -27 2018	ICRIEECE
4	Mrs.B.Vasanthalakshmi	Design and implementation of Low power 5 stage pipelined 32 bit MIPS processor using 28 nm technology.	29 <sup>th</sup> -30 <sup>th</sup> NOV 2018	ICETESTM
5.	Mr.V.Prasanth	Power optimization techniques targeting FPGA	Dec 2018	IJMECE
6.	Mrs.P.Sunitha	“Spectral Subtractive Type Algorithms For Speech Enhancement And Objective Performance Evaluation”	27th & 28th July 2018	“International Conference On Recent Innovations In Electrical, Electronics & Communication Engineering”

### Journal publications

S.No	Name of the Faculty	Name of the Title	Name of the Journal	Volume & Issue	Year
1	Dr.V.Sailaja	Design and implementation of low power 5 stage Pipelined 32 bits MIPS Processor using 28nm Technology	IJITEE	Volume-8 Issue-4S2 ISSN2278-3075.	March-2019
2	Mrs.B.Vasanthakshmi	De-noising of skin cancer images using wavelet Thresholding and analysis of statistical performance metrics	JETIR	Volume 6, Issue 5, ISSN NO : 2349-5162 (scopus)	May 2019
3	Mrs.P.Sunitha	Design and implementation of low power 5 stage Pipelined 32 bits MIPS Processor using 28nm Technology	IJITEE	Volume-8 Issue-4S2 ISSN. 2278-3075	March-2019
4	Dr.V.Sailaja	Design and implementation of low power 5 stage Pipelined 32 bits MIPS Processor using 28nm Technology	IJITEE	Volume-8 Issue-4S2 ISSN2278-3075.	March-2019
5	Mr.V.Prasanth	Design and implementation of low power 5 stage Pipelined 32 bits MIPS Processor using 28nm Technology	IJITEE	Volume-8 Issue-4S2 ISSN.2278-3075	March-2019
6	Mrs.B.Vasanthakshmi	Design and implementation of Low power 5 stage pipelined 32 bit MIPS processor using 28 nm technology.	ICETESTM (ugc)	Volume-8 Issue-4S2 ISSN.2278-3075	March-2019
7	Ms.U.V.Sandyhaalekhya	Development of smart health monitoring system for patient using iot network	IJTICES	Volume 05 Issue 04	Aprl,2019
8	Mr.K.P.Rao	Development of smart health monitoring system for patient using iot network	IJTICES	Volume 05 Issue 04	Aprl,2019
9	Mr.Ch.Lakshminarayana	Development of smart health monitoring system for patient using iot network	IJTICES	Volume 05 Issue 04	Aprl,2019
10	Ms.K.Satyadevi	Development of smart health monitoring system for patient using iot network	IJTICES	Volume 05 Issue 04	Aprl,2019
11	Dr.K.Sivakumaraswamy	A Two-Stage Feature Extraction Approach for ECG Signals	Springer International Publishing AG2018	DOI:10.1007/978-3-319-	October-2018

				60834-1_30	
12	Dr.K.Sivakumar aswamy	“Intelligent Hybrid Approaches For Human ECG Signals Identification” In “Signal, Image And Video Processing	International Journal Of Applied Science, Engineering And Management	ISSN 1863-1703	18-Mar
13	Dr.K.Sivakumar aswamy	Triple Band Four Port MIMO Antenna Using Metamaterial Structure	International Journal of Microwave and Optical Technology	ISSN: 1553-0396	January-2018
14	Dr.V.Sailaja	Design Of Efficient Distributed Reconfigurable FIR Digital Filter On FPGA	International Journal Of Applied Science, Engineering And Management	ISSN:2320-3439	18-Mar
15	Mr.D.Natraj	“Compact Printed Elliptical Micro strip Patch With Defected Ground Structure (DGS) For Wireless Applications	International Journal On Communications Antenna And Propagation(IJECAP).	ISSN:20390-5086 (scopus)	18-Feb
16	Mr.M.Ravikumar	Hierarchical Tree Clustering Technique For Device Localization Using Audio Fingerprinting”	In International Journal Of Scientific Engineering And Technology Research(IJSET)	ISSN: 23198885	18-Feb
17	Mr.K.Arunveer	Hierarchical Tree Clustering Technique For Device Localization Using Audio Fingerprinting”	In International Journal Of Scientific Engineering And Technology Research(IJSET)	ISSN: 23198885	18-Feb
18	Mr.G.Sivakumar	Enhanced Fingerprinting And Trajectory For IOT Localization In Smart Buildings”	International Journal Of Innovative Technologies (IJEECS	ISSN:23218665 (ugc)	18-Jan
19	Mr.M.Ravikumar	“Enhanced Fingerprinting And Trajectory For IOT Localization In Smart Buildings	International Journal Of Innovative Technologies (IJEECS	ISSN:23218665	18-Jan
20	Mr.K.Arunveer	“Enhanced Fingerprinting And Trajectory For IOT Localization In Smart Buildings	International Journal Of Innovative Technologies (IJEECS	ISSN:23218665	18-Jan
21	Mr.G.Sivakumar	Implementing QPSK Modulator On FPGA Using QLA Technology	International Journal Of VLSI Design And Communication Systems(IJVDES)	ISSN: 23220929	18-Jan
22	Mr.M.Ravikumar	Implementing QPSK Modulator On FPGA Using QLA Technology	International Journal Of VLSI Design And Communication Systems(IJVDES)	ISSN: 23220929	18-Jan

23	Mr.K.Arunveer Veer	Implementing QPSK Modulator On FPGA Using QLA Technology	International Journal Of VLSI Design And Communication Systems(IJVDES)	ISSN: 23220929	18-Feb
24	Mr.Ch.Lakshmi Narayana	REAL TIME ANTI TERRORIST SMART ROBOT MONITORING USING EMBEDDED SYSTEM”	International Journal Of Research In Applied Science And Engineering And Technology (IJRASET)	ISSN: 10.22214	March 2018.
25	Mr.G.Sivakumar	Embedded Environmental Sensors Based Occupancy Estimation Using KNN Classifier.”	International Journal Of General Science And Engineering (IJGSE)	ISSN: 2349 8439	18-Feb
26	Mrs.P.Sunitha	“Investigation On Number Of Bands In Multi Band Spectral Subtraction For Speech Enhancement And Their Effect On Performance Measures”	“International Journal Of Modern Electronics And Communication Engineering(IJMECE)”	ISSN:2321-2152 (ugc)	Sep 2018
27	Mrs.K.Surya Kumari	“A Structured Visual Approach To GALS Modeling For Communication Circuits”	“International Journal Of Management Technology And Engineering”	ISSN:2249-7455 (ugc)	18-Sep
28	Dr.K.Sivakumar aswamy	“A Two-Stage Feature Extraction Approach For ECG Signals”		DOI:10.1007/978-3-319-60834-1_30.	On 10th October 2018
29	Mrs.P.Prasanna Kumari	“IOT Based Smart Solid Wastage Management System”	“International Journal Of Emerging Technology And Advanced Engineering”	ISSN:2250-2459	18-Nov
30	Mr.V.Prasanth	A Design Flow of Multi Bit Flip-Flop Integration using Clock Gating	International Journal of Management, Technology And Engineering	Volume 8, Issue VIII, ISSN NO : 2249-7455 (ugc)	AUGUST/2018
31	Mr.V.Prasanth	Design and Implementation of a Hybrid LUT/Multiplexer Architectures for FPGA	International Journal of Research	e-ISSN: 2348-6848 p-ISSN: 2348-795X Volume 05 Issue 04 (ugc)	February 2018

## Development activities

### Product development

- Students appeared to Various Product Development Skill Activities during the academic year sem-1 (2018-19).

S. No	Title of product	Guidance given by the faculty Guided	Outcome of the project
1	SMART BIN	Mr.P.Krishna Chaitanya	Separate Liquid from waste
2	Movement Based Street Lighting System	Mrs. K. Sowjanya Ms.P.Anuradha	To improve light intensity of street lights and savepower

- Students appeared to Various Product Development Skill Activities during the academic year sem-2 (2018-19).

S. No	Title of product	Guidance given by the faculty Guided	Outcome of the project
1	Monitoring the level of pollution through pesticides in fruits and vegetables	Mr. K.Raghuram Mr.P.Krishna Chaitanya	To improve health levels of mankind by pesticides levels in fruits and vegetables
2	Low Cost Soil Sensing and Effective Mapping	Mr.V.Prasanth Mr.P.Krishna Chaitanya	Farmer will be able to know remotely soiled minerals