

Sponsored Projects

S . N o	Name of the Principal Investigator	Name of the Co-Principal Investigator	Title of the Projects	Duration	Sanctioned Grant	Funding Agency	Status
1	Dr. R Tamilselvi	Dr. M. Parisa Beham Dr A Merline	Fetal Stress Monitoring Device	3 years	21.48 lakhs	DST-women SEED	In-progress
2	Dr.R.Tamilselvi& Dr.M.Parisa Beham	-	OsteoCheX- A handheld device to measure bone density from X-ray images	1 year	11 lakhs	Indo – US Science & Technology Forum	Completed
3	Dr. T.Venish Kumar and B.Muthupandian	-	Remote sensing of farms using agriculture IoT Devices	1 year	0.42 lakhs	Institution of Engineers (India) - IEI	Completed
4	Dr.R.Tamilselvi& Dr.M.Parisa Beham	-	Accurate Classification and Detection of Brain Cancer Cells in MRI And CT Images Using Nanocontrast Agents”	2 Years	0.4 Lakhs	Institution of Engineers (India) - IEI	Completed
5	Dr.Vasant Naidu	S.K.A.Ahamed Kandu sahib	Research project on “Processing, Characterization and the Hysteresis studies of Nano Ferrite Materials for their Application as an Electromagnetic Wave Sensor”	3 YEARS	11.67 Lakhs	DRDO	Completed
6	Dr.Vasant Naidu	Dr.A.Senthil Kumar	Research project on “Nano Ferrite Meta Ceramic materials processing, Structural, Electrical and magnetic studies for use as Electromagnetic wave sensor”	3 YEARS	15.50 Lakhs	DRDO	Completed

Startup Projects

Sl. No	Name of the Inventor	Knowledge Partners	Title of the Projects	Duration	Sanctioned Grant	Funding Agency	Status
1.	Mr. S.M. Seeni Mohamed Aliar Maraikkayar	Dr. R Tamilselvi Dr. M. Parisa Beham	Neonatal care device	1 year	2 Lakhs	EDII-IVP	In-progress
2	Mr. S.M. Seeni Mohamed Aliar Maraikkayar	Dr. R Tamilselvi Dr. M. Parisa Beham	Prosthetic Arm for Amputees	1 Year	2 Lakhs	EDII-IVP	In-progress

Details of Patents Filed / Published /Granted

S.No	Applicant Name(s)	Inventor Name(s)	Title	App. No. & Filed Date	Published / Granted with Date
1	Dr.R.Tamilselvi	M.ParisaBeham, R.Tamilselvi, K.Hemalatha & T.Ruba	Go Green Sanitary Pads	Temp/E- 1/63574/2021- CHE	02.12.2021
2	Dr.R.Karthick	Dr.R.Karthick, Mr.N.Sathiyathan	Data-driven approaches for cyber defense of battery energy storage systems	202141052091	12.11.2021
3	Dr.R.Karthick	Dr.R.Karthick	Machine learning technique and system for solving a prediction problem	202141047297	05/11/2021
4	Dr.R.Karthika Devi	Dr.R.Karthika Devi	IOT Based Virtual Students Monitoring System By Using TF Plus Mini Lidar Sensor	2021100210	01.04.2021
5	Dr.R.Karthick	Dr.N.R.Indira, Dr.R.Karthick, Mr.P.Selvaprasanth	Intelligent IOT and 5G Based Patient care system	202141030825	09.07.2021
6	Ms.N.Kaniamudham	Ms.N.Kaniamudham	Automates Identification & repair of defects in Lithium-Ion Batteries Using AI	202141049769 &29.10.2021	26.11.2021
7	Dr.R.Karthick	Dr.R.Karthick	A wireless interactive IoT service robots for smart home	202141003260	23/01/2021
8	Dr.R.Karthick	Dr.R.Karthick	A roadmap for building an sla management architecture for IoT networks	202141026587	02/07/2021
9	Dr.R.Karthick	Dr.R.Karthick	Smart recycle lithium ion battery technology for electric vehicle	202141034488	06/08/2021
10	Dr.R.Karthick	Dr.R.Karthick	5G Technology enabled Smart e-healthcare system	202141036911	24/09/2021
11	Dr.R.Karthick	Dr.R.Karthick, A.Mano Prabaharan	Imaging and Sensing Technologies using deep learning for biomedical applications	202141040284	24/09/2021
12	Mr.P. Selvaprasanth	Mr.P. Selvaprasanth	Pop-out & Sink-in Holographic Augmented Reality and Virtual Reality Device for use without 3D glasses for simultaneous viewing by multiple persons.	202141047296	29/10/2021

Faculty Members pursuing Ph.D in the Department

Sl.No	Name of the Scholar	Designation and Institution	Area of Research	Status
1.	Mr. S.Ramesh Kumar	Assistant Professor (Senior Grade)	Embedded System and Technology	Comprehensive Viva completed
2.	Mr.R.Abdul Sikkandhar	Assistant Professor (Senior Grade)	Wireless Communication	Course Work Completed
3.	Mr.B.Muthupandian	Assistant Professor (Senior Grade)	Physical VLSI Design	Comprehensive Viva completed
4.	Mrs.P.Deepa	Assistant Professor (Senior Grade)	Wireless Communication	Comprehensive Viva completed
5.	Mrs.M.Pandimadevi	Assistant Professor (Senior Grade)	RF Antenna	Thesis Submitted
6.	Mr.N.Godwin Cyril	Assistant Professor	Wireless Communication	Course work completed
7.	Mrs. R. Devika	Assistant Professor	Smart Grid IoT	Course work completed
8.	Mrs.A.Shakinbanu	Assistant Professor (Senior Grade)	SAR Image Processing	Synopsis Submitted
9..	Mrs.P.Murugeswari	Assistant Professor	Internet of Things	Comprehensive Viva completed
10.	Mrs.T.Ruba	Assistant Professor	Medical Image processing	Comprehensive Viva completed
11.	Mr.A.Nagaraj	Assistant Professor	Image processing	Registered

List of Supervisors in the Department

Sl.No	Name of the Supervisor	University	Ref. No	Research Area	Email Id
1	Dr.A.Merline	Anna University	2440193	Multiple Antenna Systems	a_merline@yahoo.co.in
2	Dr.R.Tamilselvi	Anna University	2740132	Medical Image Processing, Bio signal Processing, Biomedical Engineering	rts.ece@gmail.com
3.	Dr.M.Parisa Beham	Anna University	3140006	Image Processing, Computer Vision, Image Analysis, Pattern Recognition	parisaphd2011@gmail.com
4	Dr.P.Vasuki	Anna University	2540016	Digital Image Processing	vasakime@gmail.com
5	Dr.K.A.Shahul Hameed	Anna University	3140049	Biomedical Image Analysis, Pattern Recognition	ashkars@yahoo.com

Research Scholar Details

Sl.No.	Name of the Scholar	Designation and Institution	Area of Research	Status
Name of the Supervisor : Dr.A.Merline				
1.	Mrs.S.Amalorpava Mary Rajee	AP/ECE, Sethu Institute of Technology	Wireless communication	Viva – Voce Completed
2.	Mrs.P.Deepa	AP/ECE, Sethu Institute of Technology	Wireless communication	Comprehensive Viva completed
3.	Mr.R.AbdulSikkandhar	AP/ECE, Sethu Institute of Technology	Wireless communication	Comprehensive Viva completed
4.	Ms.Anu Disney	Full Time/ Sethu Institute of Technology	Wireless communication	Comprehensive Viva completed
5.	Ms.S.Regina	Full Time/ Sethu Institute of Technology	Wireless communication	Thesis Submitted

6.	Mr.T.Siva	AP/CSE, Sethu Institute of Technology	Wireless communication	Comprehensive Viva completed
Name of the Supervisor: Dr.R.Tamilselvi				
1.	Ms.S.M.Nazia Fathima	Full Time/ Sethu Institute of Technology	Medical Image Processing	Viva – Voce Completed
2.	Mr.S.M.Seeni Mohamed Aliar Maraikkayar	Full Time/ Sethu Institute of Technology	Biomedical Image & Signal Processing	Comprehensive Viva Completed
3.	Ms.A.Sabah Afroze	Full Time/ Sethu Institute of Technology	Biomedical Image & Signal Processing	Pursuing Course work
4.	Ms.M.Pandimadevi	AP/ECE/ Sethu Institute of Technology	RF & Microwave	Thesis Submitted
5.	Ms.T.Ruba	AP/ECE/ Sethu Institute of Technology	Biomedical Image & Signal Processing	Comprehensive Viva completed
6.	Ms.M. Uma Maheshwari	AP/CSE/ Sethu Institute of Technology	Biomedical Image & Signal Processing	Pursuing Course work
7.	Mr.S.Arun Inigo	AP/GE/Sethu Institute of Technology	Biomedical Image & Signal Processing	Pursuing Course work
Name of the Supervisor: Dr.M.Parisa Beham				
1.	Mr.K.Rajakumar	Full Time/ Sethu Institute of Technology	Medical Image Processing	Course work completed
2.	Mr.A.Nagaraj	AP/ECE/ Sethu Institute of Technology	Image Processing	Pursuing Course work
Name of the Supervisor: Dr.K.A.Shahul Hameed				
1	Ms.G.Jeyalakshmi	AP/ECE, Vaigai College of Engineering	Medical Image Analysis	Pursuing Course work
Name of the Supervisor : Dr.P.Vasuki				
1.	Mr.Johny Elton R	Part Time/ Sethu Institute of Technology	Speech Processing	Awarded Degree
2	Ms.Glory Sujitha A	Part Time/ SSM College of Engineering	SAR Image Processing	Thesis Submitted
3	Ms.ShakinBanu A	Part Time/ Sethu Institute of Technology	SAR Image Processing	Synopsis Submitted
4	Ms.Kanimozhi J	Part Time/KLN College of Information Technology	Medical Image Processing	Viva – Voce Completed
5	Ms.FathuNisha M	Part Time/Sethu Institute of Technology	Digital Image Processing	Viva – Voce Completed
6	Ms.Sumalakshmi C H	Part Time/Sethu Institute of Technology	Digital Image Processing	Confirmation Completed

Sponsored Programmes

FDP/STTP/Seminar/Conferences

Sl.No.	Nmae of the Convener	Name of the Coordinator	Title	Duration	Sanctioned Grant (Rs)	Funding Agency
1.	Dr A Merline Dean/ECE	Dr.M.Sheik Dawood	Smart Sustainable Farming (SSF) based on IoT perspective	3 slots 5.5.21 to 11.5.21 & 17.5.21 to 22.5.21 & 24.5.21 to 29.5.21	Rs.2,93,333	AICTE
2.	Mrs. Helina Rajini Suresh Professor/ECE	Dr.Yasodai, Dr.R.Meena Prakash, Mrs.R.Devika, Ms.M.Jehosheba Margaret ,	All India Seminar on "VLSI Design for Wireless Communication-Milestones &Challenges"	19th July 2018 & 20th July 2018	20,000	IEI
3.	Mrs. Helina Rajini Suresh Professor/ECE	Mrs.P. Murugeswari, Mrs.P.S.Sharan Shree Mrs.M.Charanya Mrs.G.Ramupriya	All India Seminar on "Research Challenges in Terahertz Wave Technology"	12th July 2018 & 13th July 2018.	20,000	IEI
4.	Mrs. Helina Rajini Suresh Professor/ECE	Mrs.M.Ameena Banu, Mrs.N.R.Indira, Mrs.M.Pandima devi	National Seminar on "Recent Trends in Antennas for Space Applications"	16th & 17th March 2017.	30,000	ISRO
5.	Mrs. Helina Rajini Suresh Professor/ECE	Dr.M.Sheik Dawood Mr.R.Abdul Sikkandhar, Ms.M.Jehosheba Margaret	National seminar on "research issues in next generation satellite communication"	17th & 18th March 2016.	40,000	ISRO
6.	Mrs. Helina Rajini Suresh Professor/ECE	Dr.M.Sheik Dawood, Mrs.R.Karthiga Devi, Mr.R.Abdul Sikkandhar,	National Workshop On "Recent Advances In Computer Aided Diagnosis of Oral Diseases"	27th & 28th March 2014.	40,000	ISRO
7.	Mrs. Helina Rajini Suresh Professor/ECE	R.Sivaranjani, G.Lakshmi priya, B.Thiruvaimalar Nathan	National Seminar on" Challenges in Remote Sensing and GIS"	25th and 26th March 2013	50,000	DST

8.	Mrs. Helina Rajini Suresh Professor/ECE	Mrs.S.Amalorpava Mary Rajee Mrs.N.R.Indira Mrs.P.Deepa	National Seminar on “ Recent Trends In Optical Communication and Networks” (RTOCN- 2012)	26th & 27th March 2012	30,000	CSIR
9.	Mrs. Helina Rajini Suresh Professor/ECE	---	National Conference on “Emerging Trends in Information and Communication Technologies –ETICT-2012”	20th March 2012	35,000	DRDO
10.	Dr.Vasant Naidu Mrs. Helina Rajini Suresh Professor/ECE	Mr.M.Sheik Dawood Mrs.R.Karthika Devi Mr.R.Abdul Sikkandhar	National Seminar on “Recent Advances in Wireless Sensor Networks – RAWSN- 2012”	10th & 11th February 2012	35,000	DRDO
11.	Mrs.Helina Rajini Suresh	---	National Conference on “Emerging Trends in Information and Communication Technologies” (ETICT-2010)	28th April, 2010	25,000	DRDO
12.	Dr.Vasant Naidu A.Merline	Mrs.Helina Rajini Suresh, N.M.Masoodhu banu, S.K.A.Ahamed Kandu sahib	National Seminar on “Futuristic Approach in Nano Technology for Electronics Engineering” (FANTEE - 2009)	08th & 09th Oct 2009	40,000	DRDO
13.	Dr.Vasant Naidu Mrs. Helina Rajini Suresh	S.K.A.Ahamed Kandu sahib	National Seminar on “Recent Advances in Nanoferrite Materials for Microstrip Antenna - RANFMMA- 09”	21st & 22nd Jan 2009	35,000	DRDO
14	Dr.Vasant Naidu Mrs. Helina Rajini Suresh	Mr.M.Sheik Dawood	National Seminar on “Recent Advances in Wireless Sensor Networks – RAWSN- 2008”	15th & 16th May 2008	60,000	AICTE
15	Mrs. Helina Rajini Suresh Dr.Vasant Naidu	Mr.M.Sheik Dawood A.Merline	National seminar on “Microsensors Development & Deployment Challenges MSDDC-2007”	17th & 18th Dec 2007.	20,000	DRDO