KSRM COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003

CENTRE FOR RESEARCH AND INNOVATION

Report 2016-2020

Contents

About the CRI

Center for Research and Innovation (CRI) is established in the year 2016 to carry Research and Innovation activities in KSRM College of Engineering. It acts as a catalyst in imbibing cutting edge research ideas and methods among the faculty and students in the institution. The objective of CRI is to promote research activities such as research projects, consultancy and training in advanced technologies. In addition, Faculty development programs, research seminars and workshops are conducted. CRI has been conducting various skill development programs in

association with CRI Members, APSSDC, DASSAULT Systems, Red Hat academy and National Instruments LABVEIW academy.

Fig. 1 NI/Andriod Lab

Vision: To envisage an active matrix of faculty, students and industry collaborating together to support and sustain the innovative ecosystem for the benefit of society.

Mission: To enable the students to ideate and innovate by providing them with an opt ecosystem

Goals:

1. To establish Innovation Lab with necessary equipment
2. To provide training in contemporary technologies to faculty and students
3. To design and develop innovative projects
4. To promote the achievements of students and faculty

5. To collaborate with industry, government and society

Research Promotion Policy

An essential component of the mandate of KSRM College of Engineering (College) is to create and sustain an atmosphere of intellectual excitement, a climate of inquiry and innovation among students and faculty. The purpose of this policy is to establish procedures for the conduct of research and scholarly activity and to promote applied research and innovation

Seed Funding Scheme Policy

The Seed Funding Scheme is designed to stimulate research culture in young faculty members of the College. The scheme aims to promote innovative product development through multidisciplinary collaborations. Faculty members may also use this funding for starting research projects as precursor to externally funded projects.

Centre of Excellences under CRI :

1. INSTITUTION INNOVATION COUNCIL (IIC)
2. CM SKILL EXCELLENT CENTRE
3. NI LABVIEW/ANDRIOD LAB
4. DASSAULT 3D EXPERIENCE AND INNOVATION LAB
5. PYTHON PROGRAMMING LAB

CRI Members:

Sl. No.	Name	Designation
1	Prof. A. Mohan	Director, Kandula Group of Institutions
2	Prof. V.S.S. Murthy	Principal, KSRMCE
3	Prof. M. Venkatanarayana	ECE & Dean, CRI
4	Dr. T. Mari Prasath	EEE & CRI Member

5	Dr. D. Arun Kumar	ECE & CRI Member
6	Dr. B. Sudarshan	ME & CRI Member
7	Sri S. Khaja Khizar	CSE & CRI Member

Major Equipment:

Item	Description	Quantity
Dell desktop Systems	Intel core i5, 7th Generation 7200 processor, 16/8GB DDR4 RAM , 512GB/1TB HDD ,15.6 inch display	57
Laptops	Intel core i5-7200U processor, 16GB DDR4 RAM, 1TB HDD, AMD 2GB Graphic card	37
NI LabVIEW academy hardware and software bundle	10 myRIOs, 10 myDAQs, 10 Starter kits, 5 Mechatronics, 5 Embedded kits, 5 Myquake, others	All accessories
Mixed Signal Oscilloscope	200MHz, 1GS/s, 2+16 channels, color display	1
Spectrum Analyzer	GSP-9300b, 3GHz with ADP-001 Adapter	1
Soldering/Desoldering	WR 2002 Complete kit	1 Bench
3D Printer	Hydra 300 with printing dimension 300x300x300 cubic mm	1
Dassault 3d Experience software	Catia design, Delmia, Simulia :level 1 to level 3	3 years license

CRI Major Achievements:

Name	Achievement

Total number of distinct courses conducted during 2016-18	40
Total number of students trained in skill programs	1800
Total number of students certified by recognized agencies	500
Number of projects undertaken	10
Hackathons	3
Number of student projects	20
Number of batches participated in outside contests	10

Fig. 2 Startup AP Yatra boot camp organized at KSRMCE on 30-8-18

Fig. 3 Final round startup AP Yatra boot camp was held at Vizag during 9-11, Sep.2018

Institution Innovation Council (IIC)

MHRD-Institution Innovation Council (IIC), KSRM College of Engineering was established in the year 2018 and organized successfully several events to the students and faculty for the academic year 2018-19 and 2019-20.

1. Institute has achieved 4-star appreciation certificate from MHRD-IC for the year 2018-19.
2. Institute has achieved 5-star appreciation certificate from MHRD-IC for the year 2019-20.
3. Institute is planning to conduct IIC3.0 (2020-21) Calendar activities under Quarter 1 to Quarter 4 focusing on Entrepreneurships, Innovation and Start-ups in the college.

Projects undertaken

➢ IoT based Agriculture node development

➢ Moisture sensor development

➢ Custom flight control design for drone

- Building a Drone using open source flight control

- BLE/ Wi-Fi based WSN

- Cooperative crop management system using drones and IoT

Fig. 4 Custom Flight Control design for Drone

Fig. 5 IoT based Agriculture node development

Conducted skill programs during 2016-20

Date	Name	No of Students	Instructors
25-01-2016 to 26-01-2016	Two Day Workshop on Arduino Prototyping Platform	30	K.Anil, Prof A Mohan
30-01-2016 to 31-01-2016	Two Day Workshop on Arduino Prototyping Platform	60	K.Anil, Prof A Mohan
01-02-2016 to 05-02-2016	Training Program on SPA using Angular JS	40	Prof A Mohan, K Anil
13-02-2016 to 14-02-2016	Workshop in Arduino Prorotyping Platform	40	K.Anil, Prof A Mohan
03-04-2016 to 05-04-2016	Workshop on Google Sketch up	20	Prof A Mohan
20-04-2016	Motivational talk on Innovation	20	Anil, Plant Biologist
13-06-2016	Workshop on Iot Sensors	20	Suresh, Saugata
15-06-2016 to 16-06-2016	Training Program on Android App Development	20	Vineet From LIT Academy

18-06-2016 to 19-06-2016	Exploring Technology and Society interface in Agriculture	20	Dr A. Nambi - MSSF , Chennai
17-06-2016	Field visit to the villages Nandimadalam and Eguvapalli to	40	LIT Academy , KSRM Team, MSSF Team
20-07-16 to 21-07-16	Two Day Session on Device Design	10	K.V Suresh, LIT Academy
24-09-16 to 25-09-16	Workshop on HTML5 and CSS3	20	Prof A Mohan, K.Anil
29-11-2016	Talk on Understanding Innovation	35	Prof A Mohan
7-12-2016 to 26-12-2016	Training Program on Frontend Web Technologies	60	Prof A Mohan , K.Anil
10-5-2017 to 24-05-2017	Learn It Module on Internet Of Things	20	K.Anil, Prof A Mohan
28-06-2017 to 01-07-2017	C Programming Classes for Mathematics	5	H. Madhusudhan Rao
24/07/17 to 09/08/2017	HTML Training	15	H. Madhusudhan Rao
13-09-2017 to 22/09/2017	Data Analysis using Python	40	K.Anil, Prof A Mohan
05-10-17 to 12-10-2017	Introduction to MATLAB	10	T. Suman
29-11-17	Guestlecture on system design	100	Sri V. Madhusudanarao
18-12-17 to 23-12-17	LabVIEW	30	Sri Rajasekhar, Trainer from NI
27-12-17 to 29-12-17	Google Andriod Development Phase 1	34	Sri Munnaiah
09-02-2018 to10-02-2018	DIP Using Matlab	15	Dr.M.Venkatanarayana
05-03-2018 to 07-03-2018	Google Andriod Development Phase 2	30	Sri Munnaiah
5-3-18 to 13-3-18	Arduino workshop	15	Sri K. Anil
30-04-2018 to 05-05-2018	LabVIEW	20	Sri Rajasekhar, Trainer from NI
24-05-2018 to 30-06-2018	Google Associate Android Developer	11	Sri Munnaiah
18-06-2018 to 23-06-2018	special training for CLAD exam	22	Sri Rajasekhar, Trainer from NI

11-5-18 to 21-5-18	IoT Certification Course by APSSDC	22	Sri Taj Basha and Sri Pavan Kumar
11-5-18 to 21-5-18	AutoCAD Professional certification course by APSSDC	16	Sri Sujith and Sri Rakesh kumar A
11-5-18 to 21-5-18	Revit Architecture part by APSSDC	28	Sri Veera Babu and Swarna
4-6-18 to 15-6-18	Python for Everybody certification course by APSSDC	16	Sri K. Saral Kumar
12-7-18 to 14-7-18	CLAD training and exam	22	Sri Rajasekhar, Trainer from NI
11-7-18 to 21-7-18	Python for Everybody certification course by APSSDC	28(G)+40(B)	Sri K. Saral Kumar and Sana Sudha
11-7-18 to 25-7-18	Revit Architecture part by APSSDC	29	Miss A Ramya
11-7-18 to 25-7-18	AutoCAD Professional certification course by APSSDC	22	Miss P Nandini
17-7-18 to 27-7-18	Python for Everybody certification course by APSSDC	20	Sri Shaik Badulla
26-7-18 to 28-7-18	Google Andriod Development Workshop Phase 1	40	Sri Krishna and two ladies mentors
31-7-18 to 3-8-18	Google Andriod Development Workshop Phase 1	28	Sri Krishna and Sri Munaiah mentors
3-8-18 to 4-8-18	RS and GIS for Civil engineering applications	22	Sri D Arun Kumar, Asst Prof., ECE, KSRMCE
17-8-18 to 18-8-18	RS and GIS for Civil engineering applications	12	Sri D Arun Kumar, Asst Prof., ECE, KSRMCE
3-8-18 to 4-8-18	24 hrs Hackathon on Architecture, Engineering and Construction	30	Sri Prashanth, Coordinator
17-08-18	Remote Sensing And Gis 2Days Workshop	15	CRI
07-09-18 to 11-09-18	Gaming 2 days Workshop	45	APSSDC
22-09-18	Wordpress 1 day wokrshop	30 (3Faculties)	CRI
22-09-18	web designing program	30 (10 Faculties)	CRI
11-09-18 to 25-09-18	Python for Everybody certification course	40	APSSDC
27-09-18	web designing program	30 (5 Faculties)	CRI
26-09-18 to 05-10-18	Python for Everybody certification course	20	APSSDC
4-10-18 to 6-10-18	Google Andriod Developer Fundamentals	25	APSSDC
9-10-18 to	Google Andriod Developer	30	APSSDC

11-10-18	Fundamentals		
27-10-18	Latex workshop	15 Faculties	CRI
12-11-18	Introduction. Machine learning	15 Faculties	CRI
23-11-18 To 24-11-18	python program	7 Faculties	CRI
10-12-18 to 14-12-18	AWS Technical Essentials 5days workshop	65	APSSDC
10-12-18 to 12-12-18	Internet of Things 3 Days workshop	35	APSSDC
11-12-18 to 12-12-18	PLC 2days workshop	10	APSSDC
13-12-18 to 15-12-18	Internet of Things 3 Days workshop	50	APSSDC
15-12-18	Introduction. Machine learning	10 Faculties	CRI
17-12-18 to 19-12-18	PLC 3days workshop	45	APSSDC
17-12-18 to 19-12-18	Arduino With Scratch 3days workshop	30 Ist year cse/ece	APSSDC
17-12-18 to 21-12-18	AWS Technical Essentials 5days workshop	60 IV SEM CSE	APSSDC
20-12-18	AWS Technical Essentials 5days workshop	60	APSSDC
27-12-18	Introduction. Machine learning	20 III ECE	CRI
27-12-18 to 31-12-18	Cloud computing 3days workshop	46 IV SEM CSE	APSSDC
02-01-19 to 04-01-19	Cloud computing 3days workshop	40 IV SEM CSE	APSSDC
10-01-19	IPR 1 days Workshop	25	CRI
11-02-19 to 15-02-19	Machie Learning (FDP Program)	33 (Faculties)	CRI
21-02-19 to 23-02-19	Mobile Application Development using App Inventor	54	APSSDC
21-02-19 to 23-02-19	Internet of Things 3 Days workshop	42	APSSDC
25-02-19 to 27-02-19	Gaming 3 days Workshop	32	APSSDC
25-02-19 to 27-02-19	Mobile Application Development using App Inventor	31	APSSDC
25-02-19 to 27-02-19	Twodays Workshop Plc	33	APSSDC
28-02-19 to 01-03-19	Mobile Application Development using App Inventor	36 SEM IV/VI CSE/ECE	APSSDC

Date	Workshop	Participants	Resource Person
28-02-2019	One Day FDP on latex	15 faculty	CRI
01-03-2019	One Day FDP on latex	20 faculty	CRI
07-03-19 to 08-03-19	Matlab Two Day Workshop	41 IV SEM EEE/ECE	Dr T.Mariprasath, Assoc Prof., EEE, KSRMCE
08-03-2019	One Day FDP on latex	15 faculty	CRI
12-03-19 to 13-03-19	Twodays Workshop Labview	14 VI SEM ECE /EEE/ME	Dr.M.V .Narayana Prof., ECE, KSRMCE
16-03-2019	Machine Learning (9hrs Hackayhon)	30 SEM IV,VI,VII,ECE	Prof A Mohan
22-3-19	Machine Learning	12 SEM IV,VI,VII,ECE	Prof A Mohan
23-3-19	One Day Workshop on Machine Learning	27 SEM IV,VI,VII,ECE	Prof A Mohan
29-03-2019	Octave programming Oneday workshop	64 II SEM ECE	Sri D Arun Kumar, Asst Prof., ECE, KSRMCE
01-04-2019	Octave programming Oneday workshop	55 II SEM (CSE/ECE)	Sri D Arun Kumar, Asst Prof., ECE, KSRMCE
04-05-2019	Sci lab workshop	25 faculty	CRI
17-06-19 To 18-06-19	Octave programming twodays workshop	10 faculty	CRI
10-07-2019 To 12-07-2019	3 Days Workshop Demo Robcad	60 ME VII - SEM	APSSDC
15-07-2019 To 17-07-2019	Internet of Things 3 Days workshop	18 CSEIIIrd year	APSSDC
15-07-2019 To 20-07-2019	6 Days Workshop Demo Robcad	58 ME VII - SEM	APSSDC
19-07-2019 To 22-07-2019	Internet of Things 3 Days workshop	38 IIIrd year	APSSDC
23-07-2019 To 25-07-2019	Internet of Things 3 Days workshop	37 IIIrd year	APSSDC
23-07-2019 To 27-07-2019	5 Days Workshop Android	37 cse IIIrd year	APSSDC
29-07-19 To 03-08-19	Android	22	APSSDC

30-07-19 To 01-08-19	Internet of Things 3 Days workshop	33	APSSDC
05-08-19 To 09-08-19	National Level Workshop on Smart Microgrid	18 Faculties	Dr.M. Sreedhar
24-08-19 To 30-08-19	Multi Skill Training Program	30 VII SEM /ECE/EEE/CSE	APSSDC
27-08-19 To 30-08-19	Python Everboby	12 14 VII SEM CSE	APSSDC
01-09-19 To 30-09-19	Multi Skill Training Program	14 14 VII SEM CSE	APSSDC
01-10-19 To 11-10-19	Multi Skill Training Program	14 VII SEM CSE	APSSDC
14-09-2019	Project Expo	75 (26 Batch)	CRI
20-09-2019	Designing Website with word press	38 Degree students	Prof.A.Mohan
26-09-2019	Electronics and Programming Outreach Programme for School Children	35 School Childrens	Dr.M.V Narayana
21-10-19 To 23-10-19	Faculty Development Programme on IoT	32 Faculties	Sri U. Sumanth Sri Sk.M.Taz Basha Sri B.Suresh Kumar
02-11-19	Guest lecture on Research Awareness Programme	30 faculty	Dr. K. Raghava Rao, Professor, Dept of ECSE, KL Eduction Fundation, Guntur, Vijayawada
25-11-19 to 27-11-19	Systems Engineering Mechatronics 3 Days FDP Program	36 faculty	APSSDC
19-12-19 to 20-12-19	International Conference on Applied Science Engineering and Technology (ICASET-19) 2Days		ksrmce (CRI)
06-01-20 to 09-01-20	3 days workshop python phase 1	Students 51 III rd year cse	APSSDC
21-01-20	Skills Competition Exmas	Students 100	APSSDC
29-01-2020	Smart India Hackathon (Internal)	82 Students	ksrmce (CRI)
13 02 2020 to 15-02 -2020	Problem Solving using Python Phase 2	17 III CSE	APSSDC
10-02-2020 to 12-02-2020	Internet of Things Phase II	III rd eee 34	APSSDC
17-02-20 to	Internet of Things Phase II	30 ECE III	APSSDC

19-02-20		Year	
17-02-20 to 19-02-20	Problem Solving using Python Phase 2	27 III CSE	APSSDC
24-02-20 To 26-02-20	Internet of Things Phase II	36 ECE III Year	APSSDC
02-03-20 to 06-03-20	Web Development using Python	32 II CSE	APSSDC
02-03-20 to 04-03-20	Internet of Things Phase II	III rd CSE & EEE 48	APSSDC
16-03-20 To 18-03-20	AR & VR Fundamentals workshop	III & II CSE & ECE 70	APSSDC
9-6-20 to 11-6-20	Arduino Programming for Beginners	30	Dr. M. Venkatanarayana
15-6-20 to 17-6-20	MATLAB Simulation	30	Dr T. Mariprashath
18-6-20 to 20-6-20	Data Analysis in Engineering applications	30	Dr D. Arun Kumar
22-6-20 to 24-6-20	Android App Development	30	Sri S. Khaja Khizar
13-8-20 to 14-8-20	Two day ML & DL Workshop	20	Dr. M. Venkatanarayana & Dr D. Arun Kumar
24-9-20 to 30-9-20	One week FDP on Introduction to Machine Learning	34 Faculty	ksrmce (CRI)
5-10-20 to 10-10-20	One week SP Balasubrahmanyam Memorial Lecture Series	15	ksrmce (CRI)

List of Recent Publications

- T.Suman, Dr M. Venkatanarayana, "Improved performance of Impulse Active Noise Control using Active function threshold with Absolute Harmonic Variable Step-Size Algorithm" had got acceptance in Microprocessors and Microsystems (Science Citation Index Expanded (SCIE)) Elsevier journal, an SCI and Scopus Index Free journal on 25 May 2020, ISSN / eISSN: 0141-9331 / 1872-9436

- T.Suman, Dr M. Venkatanarayana, "An Efficient Simulink Model for Active Noise Control using Filtered-x Adaptive Algorithms", published on Journal of Advanced Research in Dynamical & Control Systems, a SCOPUS Index Journal, Vol. 12, Issue-03, June 2020, ISSN: 1943-023X.

- B. Suresh Babu, Dr. M. Venkata Narayana, "Image Fusion Technique For Reduced Blurriness By Using Fuzzy And Neuro Fuzzy Logic", Published In Journal Of Critical Reviews, SCOPUS Index Journal, ISSN- 2394-5125 Vol 7, Issue 14, 2020.

- T.Suman, Dr M. Venkatanarayana , Implementation of Virtual Sensing Algorithm in Active noise control to improve silence Zone, submitted in Sn Applied Science Springer Journal, a ESCI journal (Under Review)

- T.Suman, Dr M. Venkatanarayana , Practical Implementation of Active Noise Control for PVC Duct noise using High Performance Approach, submitted in Journal of Electrical Engineering & Technology, Springer Journal, an SCI and Scopus Index Free journal (Under Review)

- Anil Kunchala, D. Arun Kumar, M. Venkatanarayana, "Transfer Learning based Fuzzy Deep Neural Networks for leaves detection from Digital Images", IEEE-2020 International Conference for Emerging Technology (INCET),Belgaum, India. Jun 5-7, 2020

- T. Mariprasath1, S. Asokan2 and M. Ravindaran3, "Comparison and Optimization of Various Coated Ceramic Insulator Artificial Coastal Thermal Power plant pollution", Journal Of Circuits Systems And Computers, December 2019. Available at: https://doi.org/10.1142/S0218126   620501996.Impact Factor = 0.939 (Accepted) (SCI)(JCSC) -Impact Factor is 1.363

- Govindugrai Venkata Suresh Babu, T. Mariprasath, S. Khadarvali, C.Harshavard han Reddy & Karnam Amaresh, "Autonomous load sharing technique in solar photovoltaic system-based DC microgrid" International Journal of Ambient Energy,pp.1-8,2020. DOI:10.1080/01430750. 2019.1710251 (ESCI) SCOPUS Published

- T.Mariprasath, K.Ramamohan Reddy, Neerati Siddhik, K.Kalyan Kumar, published paper on "Condition and Monitoring of Distribution Transformer using Thermal Image", Test Engineering & Management, (ISSN: 0193 - 4120)pp.no. 11427-11431,Vol.82,February 2020 (SCOPUS).

- T.Mariprasath, T. KishoreKumar, P.Durgaprasad,A. Jyothirmayi, published paper on "Transformer Insulation degradation studies by Dissolved Gas Analysis", Test Engineering & Management, (ISSN: 0193 - 4120) pp. 11444-11446,Vol.82, February 2020 (SCOPUS).

- K.Amaresh, T.Mariprasath, M.Bhaskar Reddy, M. Saleha Tabassum, published paper on "Modeling and Analysis of Environmental Impact on Solar PV Using MATLAB/Simulink", Test Engineering & Management, (ISSN: 0193 - 4120) pp. 11439- 11443,Vol.82,February 2020 (SCOPUS).

- T.Mariprasath, K.Ramamohan Reddy, published paper on "Energy Efficiency Enhancement of Solar PV Panel by Automatic Cleaning Technique", International Journal of Innovative Technology and Exploring Engineering,(ISSN:2278-3075) Vol.8, pp. 3591 – 3595, 2019.

- [1].T.Mariprasath, V.Kirubakaran, M.Sreedhar,K.Amaresh,"An Experimental Study on Spectroscopic Analysis of Alternating Liquid Dielectrics for Transformer",Springer, Electrical Engineering, Impact Factor=1.180, Feb, 2020 (SCI Under review)
- [2].T.Mariprasath, M.Ravindaran, "A STATISTICAL FAILURE ANALYSIS ON BIODEGRADABLE LIQUID DIELECTRIC FOR TRANSFORMER" IEEE Transactions on Instrumentation and Measurement, Impact factor= 2.794, July 2020 (SCI Under review)

- K. Anil, D. A. Kumar and M. Venkatanarayana, "Transfer Learning based Fuzzy Deep Neural Networks for leaves detection from Digital Images", IEEE International Conference for Emerging Technology, June 4-6, Belagavi, India, 2020.

- D. A. Kumar, S. K. Meher, "Granular neural networks for Remote Sensing Image classification : A Review" IEEE J. Sel. Topics Appl. Earth Observ., 2020 (Communicated).

- D. Arun Kumar and G. Hemalatha, " Helmet Detection and Monitoring For Two Wheeler Rider Using Advanced Machine Learning Based Automated Model", International Journal of Test Engineering and Management, vol. 82, 11463-11468, June 4-6, 2020.

Online certification courses completed recently

Dr M. Venkatanarayana

NPTEL Discrete time signal processing

UDEMY Arduino Programming for beginners

APSSDC Dr M Venkatanarayana, has successfully completed 60 Contact Hours
in association Faculty Development Program on AI and Deep Learning, held from 1st
360DigiTMG July 2020 to 28th July 2020

Dr T. Mariprasath

1. The complete Labview Programming

2. Partial Shading and mismatch loss on PV

3. Practical Introduction to Fuzzy Logic with Matlab

4.Become a good Matlab Programmer 30 days

5. Lean Neural Network using Matlab Programming

6.Programming for Everybody (Getting Started with Python)

Dr D. Arun Kumar

1. Introduction to Deep learning using Python - Geeks for Geeks
2. QGIS - NPTEL
3. Web GIS - Indian Institute of Remote Sensing
4. Introduction to Photogrammetry - IIRS 5. Deep learning for Hyperspectral remote sening image classification.
5. Radar and Microwave remote sensing - IIRS
6. Remote Sensing for Coastal zone management.
7. Seven online sessions presented by MHRD IIC during April, 2020 - Till now.

List of Research Proposals Sent

Dr. M. Venkatanarayana

- Atal Community Incubation Centre Proposal submitted under phase –II
- MSME Livelihood Business Incubator proposal submitted under ASPIRE Scheme
- AICTE-Grant for Organizing Conference proposal submitted under AQIS Scheme

Dr D. Arun Kumar

- Internet of Things (IOTs) based Dengue detection and monitoring system in the aspiring districts of Andhra Pradesh, KSRM College Of Engineering , Start-up Research Grant, Electronics Engineering, 04-Mar-2020.
- One week National conference on "Machine learning for Precision Agriculture", DST-Accelerate Vignan - Sep. 2020.
- One week FDP on "Remote Sensing and GIS for Engineering applications", DST-Accelerate Vignan - Sep. 2020.
- AICTE - Scheme for Promoting Interests, Creativity and Ethics among Students (SPICES) proposal submitted recently

Dr T. Mariprasath

- SERB - Design and Develop Ester Based Nano Fluid for Transformer and to Predict Transformer Status by Soft Computing Technique Core Research Grant, (Under Review)
- Atal Community Incubation Centre Proposal submitted under phase –II
- MSME Livelihood Business Incubator proposal submitted under ASPIRE Scheme