



St. Joseph's Institute of Technology
St. Joseph's Group of Institutions
OMR, Chennai - 119



Department of Electronics and Communication Engineering
(Accredited by NBA)

Research Projects (Applied / Sanctioned)

2019-2020

S.No	Title of the Proposal / Project Work	Funding Agency	Investigator (s)	Project Value (INR)	Current Status
1.	Smart insole – unobstrusive vitality monitoring system	TNSCST	Dr.C.Gnana Kousalya	Rs.7,500	Granted
2.	Non-contact heart rate monitoring using facial image	TNSCST	Dr.C.Gnana Kousalya	Rs.6,099	Applied
3.	Quality and Durability checking of fabric clothes	TNSCST	Dr.G.Rohini	Rs.6,000	Applied
4.	Deep learning for curve and Drowsy Detection in Hill Terrain	TNSCST	Dr.A.Akilaendswari	Rs.8,550	Applied
5.	Utilization fish excrete for plant growth using machine learning	TNSCST	Dr.C.Gnana Kousalya	Rs.9,000	Applied
6.	Automatic ceiling and painting aid	TNSCST	Dr.V.R.Balaji	Rs.10,000	Applied
7.	Verasatile Insole Monitoring System	IEEE-SPF	Dr.C.Gnana Kousalya	Rs 3,000	Granted
8.	Development of IoT based Healthcare System for Hospitals	TNSCST	Dr.C.Gnana Kousalya Dr.G.Rohini	Rs.4,75,000	-
9.	A Multispectral approach for Image Analysis through Features Extraction to determine the quality of Fruits.	TNSCST	Dr.P.G.V.Ramesh Mr.K.Immanuel	Rs.4,85,250	-

2018-2019

S.No	Title of the Proposal / Project Work	Funding Agency	Investigator (s)	Project Value (INR)	Current Status
1.	Pipe Adaptive IOT Vehicular Robot for custom application	SERB-CRG	Dr.C.Gnana Kousalya Dr.G.Rohini	Rs 19,20,000	Resubmit
2.	A Machine Learning based App Development for Multi Spectral Image Analysis through features extraction to determine the quality of fruits and vegetables.	SERB-CRG	Dr.P.G.V.Ramesh Mr.K.Immanuel	Rs.38,01 ,000	Resubmit
3.	Smart Kitchen with Inventory Managing and Monitoring using IoT	IEEE-Madras - Student Project	Mr.V.R.Balaji	Rs 10,000	Granted May-18
4.	CCTV Installation	(PMKV Y)-ESDP	Dr.C.Gnana Kousalya Dr.G.Rohini	Rs.3,82,500	Granted

2017-2018

S.No	Title of the Proposal / Project Work	Funding Agency	Investigator (s)	Project Value (INR)	Current Status
1.	IoT based healthcare design	SERB-CRG	Dr.C.Gnana Kousalya Dr.G.Rohini	Rs 13,99,960	Resubmit

2016-2017

S.No	Title of the Proposal / Project Work	Funding Agency	Investigator (s)	Project Value (INR)	Current Status
1.	Optical Millimeter Wave generation for RoF applications	SERB	Mr.M.Baskaran	Rs.21,57,650	Not Approved

2015-2016

S.No	Title of the Proposal / Project Work	Funding Agency	Investigator (s)	Project Value (INR)	Current Status
1.	Microstrip Antenna for WLAN Application	TNSCST -STP	Mr.M.Baskaran	Rs.10,000	Not Approved

2014-2015

S.No	Title of the Proposal / Project Work	Funding Agency	Investigator (s)	Project Value (INR)	Current Status
1.	Image Processing	DRDO	Dr.C.Gnana kousalya	Rs.21,30,660	Not Approved
2.	Wireless sensor network application	DST	Dr.G.Rohini	Rs.23,45,220	Not Approved
3.	Biomedical signal detection monitoring system	BRFST	Mr.M.Baskaran	Rs.8,25,000	Not Approved