



*We Make You Shine*  
**St. JOSEPH'S INSTITUTE OF TECHNOLOGY**  
 (An Autonomous Institution)  
**St. JOSEPH'S GROUP OF INSTITUTIONS**  
 OMR, CHENNAI - 119

**Department of Mechanical Engineering**

**CONSULTANCY ACTIVITIES**  
**ACADEMIC YEAR 2024-25**

<b>S.no</b>	<b>Name of the faculty</b>	<b>Project Title</b>	<b>Funding Agency</b>	<b>Project Value/ Consultancy amount</b>	<b>Duration</b>
1	Mr.S.A.Muhammed Abraar Dr. D. Elil Raja	Design and fabrication of firefighting robot	E.V. Paravai	Rs 24550 / Rs 2450	2 Months
2	Dr. S. Prathap Singh Dr. D. Elil Raja Mr. T. Prabhuram	Inspection table equipped with a pin board, provisions for fan mounting and other features.	Z Torq Industries	Rs.1,00,000/ Rs 5,000	2 Months

**ACADEMIC YEAR 2023-24**

<b>S.no</b>	<b>Name of the faculty</b>	<b>Project Title</b>	<b>Funding Agency</b>	<b>Project Value/ Consultancy amount</b>	<b>Duration</b>
1	Dr.D.Elilraja & Mr.S.A.Muhammed Abraar	Design and development of Automatic intelligent braking system	Globe sci Technologies	33750/3375	2 Months
2		Design and fabrication of Energy harvesting from the Staircase	Sri Sai Non Destructive testing, Pudhuchery	30840/3840	2 Months
3		Design and development of Multi-Axis un-loading Modern Trailer	Goodwin Motors	20000/2000	2 Months

### ACADEMIC YEAR 2022-23

SI No	Name of the faculty	Project Title	Funding Agency	Project Value – Consultancy Fees	Duration
1	Dr.D.Elilraja, Mr.T.Prabhuram, Mr.S.Prathapsingh,	Strength Evaluation of Existing Reinforced Concrete Structures through Load Testing Techniques	SSP Engineering Works, Pudhuchery	Rs,1,00,000– Rs10,000	1 Months
2	Mr.D.Arthur Jebastine Sunderraj, Mr.N.Suresh, Mr.J.Immanuel Durairaj, Dr.D.Elilraja	Testing the Defects in Concrete using Rebound Hammer Test and Thermal Imaging Technique	SSP Engineering Works, Pudhuchery	Rs,1,00,000- Rs 10,000	1 Months

### ACADEMIC YEAR 2021-22

SI No	Name of the faculty	Project Title	Funding Agency	Project Value – Consultancy Fees	Duration
1	Mr. P. Krishhna Kumar,Mr.S.Ashwin kannan,Mr.A.Sathishkumar	Development of 3d Printed Orthotic Brace	INSTA3D TECHNOLOGIES,	Rs 2,10,000 – Rs21,000	3 Months
2	Dr.P.Ravichandran Dr.K.Arun Vasantha Geethan Mr.P.SabarishKumar	Utilization Of Waste Plastic For construction Purpose	Best Infraa, Karur	Rs,1,35,000- Rs 10,000	2 Months
3	Dr.K.Arun Vasantha Geethan Mr.P.SabarishKumar Mr.A.K.Arunraja	Conduction Of Experiment To Analyze The Behaviour Of Air Conditioned Building	Best Infraa, Karur	Rs,1,33,000- Rs 10,000	2 Months
4	Dr.K.Arun Vasantha Geethan Mr.D.Arthur Jebastine Sunderraj Mr.D.Santhosh	Improved Cooling Load Prediction Method For Buildings	Best Infraa, Karur	Rs1,30,000- Rs 10,000	2 Months

### ACADEMIC YEAR 2019-20

SI No	Name of the faculty	Project Title	Funding Agency	Amount	Duration
1	Dr.K.Arun Vasantha Geethan Dr.V.Savithiri	N118 Hot Plate Welding Machine	TVS	Rs6,00000 (Project Value) Rs 60000 (Consultancy Fees)	2019-20 Started
2	Dr.K.Arun Vasantha Geethan Dr. D.Elilraja	N118 Leak Testing Machine	TVS	Rs5,00000 (Project Value) Rs 50000 (Consultancy Fees)	2019-20 Started
3	Dr.K.Arun Vasantha Geethan, Mr.D.Arthur Jebastine Sunderraj	TVS N118 Fuel Tank Drilling Machine	Sintex BAPL Ltd., Chennai.	Rs.5,30,000 (Project Value) Rs 50500 (Consultancy Fees)	2019-20 Started

### ACADEMIC YEAR 2018-19

SI No	Title	Principal Investigator	Co – Investigator	Duration	Project Value	Consultancy charges	Status
1	Revamping of HCI Shroud welding heater.	Dr. K. Arun Vasantha Geethan M.E, Ph.D	D. Arthur Jebastine Sunderraj	Dec 2018 To Feb 2019	Rs 2.4 Lakhs	Rs 25,000	Completed
2	Hot Welding SPM For N Torq Fuel Tank	Dr. K. Arun Vasantha Geethan M.E, Ph.D	D. Arthur Jebastine Sunderraj	Jun 2019 To Aug 2019	Rs 6,96,600 Lakhs	Rs45,000	Completed

### ACADEMIC YEAR 2017-18

Title	Principal Investigator	Co – Investigator	Duration	Amount Sanctioned
Auto lifter system using Pneumatic automation.	Dr.K.ArunVasanthaGeethan M.E, Ph.D Professor & Head, Department of Mechanical Engineering St.Joseph's Institute of Technology	Mr.D.Arthur Jebastine Sunderraj.M.E Assistant Professor, Department of Mechanical Engineering St.Joseph's Institute of Technology Mr.K.Adrin Michel Franc	Dec 2017 To Jan 2018	Rs 54,000 (Project Value) Rs 11168 (Consultancy Fees)

		Assistant Professor, Department of Mechanical Engineering St.Joseph's Institute of Technology		
Hyundai Verna Dashboard Vision Inspection poke yoke system		Mr.A.K.Arun Raja Assistant Professor, Department of Mechanical Engineering St.Joseph's Institute of Technology Mr.A.Sathish Kumar Assistant Professor, Department of Mechanical Engineering St.Joseph's Institute of Technology	Mar 2018 To May 2018	Rs1,15,000 (Project Value) Rs 17250 (Consultancy Fees)

### ACADEMIC YEAR 2015-16

Title	Principal Investigator	Co – Investigator	Duration	Amount Sanctioned
Coupled Field Analysis Of Tractor – Transmission System Side Cover	Dr.K.Arun Vasantha Geethan M.E, Ph.D Professor & Head, Department of Mechanical Engineering St.Joseph's Institute of Technology	Mr.T.Mukesh.M.E Assistant Professor, Department of Mechanical Engineering St.Joseph's Institute of Technology	July – September 2015	Rs 54,000 (Project Value) Rs 20,000 (Consultancy Fees)

### ACADEMIC YEAR 2014-15

Title	Principal Investigator	Co – Investigator	Duration	Amount Sanctioned
Comprehensive CNC Machine Modeling	Dr.K.Arun Vasantha Geethan M.E, Ph.D Professor & Head, Department of Mechanical Engineering St.Joseph's Institute of Technology	Mr.D.Arthur Jebastine Sunderraj.M.E Assistant Professor, Department of Mechanical Engineering St.Joseph's Institute of Technology	November – December 2014	Rs 10,000