

P.V.P. Siddhartha Institute of Technology

Department of Mechanical Engineering

Research Projects from 2016-17 to 2018-19

Name of the Project	Name of the Principal Investigators/ co investigators	Name of the funding agency	Granting agent (Government/ Non Government)	Year of the Award	Funding Amount In Rs.	Duration
2018-19						
Fabrication of Solar Powered Chill Brella	P. Anusha	ISHRAE UG Project	Non Government agency	2018	50,000/-	6 Months
Characterization of nano composites	Dr.P.Phani Prasanthi	SAGTE	Non Government	2018-19	18,500/-	1 Year
Perfromance evaluation of VCR system	P.Anusha	SAGTE	Non Government	2018-19	18,500/-	1 Year
Charecterization of aluminum based particulate high strength alloy composite	Ch.Kishore Reddy	SAGTE	Non Government	2018-19	18,500/-	1 Year
Optimization of process	N.Raghu Ram	SAGTE	Non Government	2018-19	18,500/-	1 Year

parameters on Electrical discharge machining						
Nano Lubricants	M.Naga Swapna	SAGTE	Non Government	2018-19	18,500/-	1 Year
Aditive manufacturing of Aluminium Alloy	G.Bala Krishna	SAGTE	Non Government	2018-19	18,500/-	1 Year
Stress corrosion cracking of an aluminium alloy	K.Sri Ram Vikas	SAGTE	Non Government	2018-19	18,500/-	1 Year
Hybrid composite materials	P.Srikanth	SAGTE	Non Government	2018-19	18,500/-	1 Year
Effectivness of heat exchangers	Ch.Vidya	SAGTE	Non Government	2018-19	18,500/-	1 Year
Optimization of process parameter in wired EDM	P.Gopala Krishnaih	SAGTE	Non Government	2018-19	18,500/-	1 Year
Electrical Density Balance Machine	Department	SAGTE	Non Government	2018-19	48,085/-	
V-Cone Blender	Department	SAGTE	Non Government	2018-19	66,080/-	
Total Amount (Non Gov)					3,50,000/-	

Name of the Project	Name of the Principal Investigators/ co investigators	Name of the funding agency	Granting agent (Government/ Non Government)	Year of the Award	Funding Amount In Rs.	Duration
2017-18						
Agro waste Based Nano Composite Fabrication & Characterization	M.Mounika	UGC	Government	2017	2,35,000/-	2 Year
Development of Nano silver and nano copper reingforced low density polyethylene antimicrobial bottle	Dr.K.SivajiBabu	SAGTE	Government	2017	2,60,000/-	2 Year
Development of Nano silver and nano copper reinforced low density polyethylene antimicrobial	Dr.K.SivajiBabu	UGC	Non Government (matching grant)	2017	3,00,000/-	2 Year

bottle						
Analysis of nano composites	Dr.Phani Prasanthi	SAGTE	Non- Government	2017	22,000/-	1 Year
Characterization of agrowaste based nanocomposites	M.Mounika	SAGTE	Non-Government	2017	22,000/-	1 Year
Optimization of process parameters on Electrical discharge machining	N.Raghu ram	SAGTE	Non-Government	2017	22,000/-	1year
Charecterization of aluminum based particulate high strength alloy composite	Ch.Kishore Reddy	SAGTE	Non-Government	2017	22,000/-	1year
Evaluation of Nano based green composite properties	T. Srinag	SAGTE	Non-Government	2017	22,000/-	1year
Aditive manufacturing of Metals	G.Bala Krishna	SAGTE	Non-Government	2017	27,384/-	1year

REFPROP 10.0 Program	P.Anusha	SAGTE	Non-Government	2017	21,616/-	1year
Optimization of process parameter in wired EDM	P.Gopala Krishnaiah	SAGTE	Non-Government	2017	21,000/-	1year
Metal Matrix Composites	M.Naga Swapna Sri	SAGTE	Non-Government	2017	20,000/-	1year
					4,95,000/- (Gov)	
					5,00,000/- (Non-Gov)	
Total amount					9,95,000/-	

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2016-17						
Virtual Repair of Engineering Structus Using Piezoelectric Materials	Mr.U.Koteswara Rao	UGC	Government	2016	2,85,000/-	2 Years
Composite Flex Seal Design	Ms. P.Phani Prasanthi	DRDO	Government	2016 completed <i>(Partnership with VRSEC)</i>	9,00,000/-	-
Electrodes Testing in EDM	N.Raghu Ram	SAGTE	Non-Government	2017	5,95,000/-	-
Image Analysis of Metals	N.Raghu Ram	SAGTE	Non-Government	2016	4,15,000/-	-
3D Printing	Mohan Sumanth. Ch	SAGTE	Non-Government	2016	1,99,000/-	-
					11,85,000/- (Gov)	
					12,09,000/- (Non Gov)	
Total amount					23,94,000/-	