



OSMANIA UNIVERSITY
HYDERABAD – 500 007

APPLICATION FORM FOR RENEWAL OF RECOGNITION OF PH.D RESEARCH CENTRE

1. Name of the Research Institution/Laboratory/College with Full address & Phone No.	MATURI VENKATA SUBBA RAO (MVSr) ENGINEERING COLLEGE, NADERGUL VILLAGE, BALAPUR MANDAL (NEW), SAROOR NAGAR MANDAL(OLD) HYDERABAD-501510 TELEPHONE: 08415 245180 WEBSITE: www.mvsrec.edu.in
2. Subjects in which recognition is accorded by OU (Indicate the Order No., date and Period of Recognition)	Mechanical Engineering Order No.1300/F/Acad-III/2017 Date: 19.09.2017 Period of Recognition: Three years w.e.f. the Academic year 2017 – 18
3. Subjects for which renewal of recognition is being sought	Mechanical Engineering
4. Details of Research Supervisors available Name of the Supervisor	* Details of Research scholars are provided in Annexure II Discipline
1. Dr. S. Gajanana	Mechanical Engineering
2. Dr. M. Madhavi	Mechanical Engineering
3. Dr. VenkataSubbaiah	Mechanical Engineering
4. Dr. J. Kandasamy	Mechanical Engineering
5. Dr. P.V. Durga Prasad	Mechanical Engineering
5. Details of Laboratory Facilities provided	Attached as Annexure – I
6. Particulars of payment of annual recognition Fees	Academic Year 2018 – 19 DD. No. 091389 DD Date: 09.11.2018 Receipt No:8694 Receipt Date: 14.11.2018 Academic Year 2019 – 20 DD. No. 546297 DD Date: 16.08.2019 Receipt No:11091 Receipt Date: 13.08.2019
7. Research activities carried out after the recognition is accorded	Attached as Annexure – II
8. Particulars of Seminars/Workshops organized by the Institute after the recognition is accorded	Attached as Annexure – III
9. Particulars of Research grants	Attached as Annexure – IV
10. Financial Resources of the Institution/Laboratory/College	Attached as Annexure – V

Annexure I: Details of Laboratory Facilities Provided
Equipment Details as on: 05.09.2020

S.No.	Name of the Equipment	Cost (Rs.) (In lakhs)
1	XL Turn (CNC Lathe Machine)	6.00
2	XL MILL (CNC Milling Machine)	11.0
3	Flexible Manuf. System	23.50
4	Solid works 2009 software with 30 node license	2.49
5	ANSYS14.0 (30 USERS)	4.75
6	CATIA .DIC V-5- R22 Education edition 30 users	6.45
7	Total computer Systems(55 Systems + 2 Servers)	27.17
8	Computer Accessories and Other hardware	5.55
9	Pro-E University+WF3 (50 seats)	6.9
10	CNC train simulation	1.5
11	MATLAB	9
12	Ultimaker 2 extended RP machine	3.3
13	Kaplan Turbine	1.52
14	Closed circuit Francis Turbine	3.1
15	Pneumatic Trainer kit	1.1
16	Cylindrical Grinding Machine	1.0
17	Turret Lathe	1.6
18	Electric Discharge Machine	5.0
19	Tool and cutter grinder.	1.2
20	Planing machine	1.0
21	Precision all geared lathe machine	2.98
22	Milling Machine with universal gear head	3.14
23	Turning & Milling Dynamo meters	1.05
24	Low Speed Wind Tunnel	3.1
25	Computerized single cylinder 4-stroke diesel engine	5.68
26	Single cylinder 2-stroke petrol engine test rig	1.5
27	Computerized refrigeration test rig	2.38
28	Computerisation of low speed wind tunnel	1.5
29	Axial flow fan test ring	1.83
30	Package Boiler	3.1

S.No	Brand	Configuration	Quantity	Cost (Rs.) (In lakhs)
1	Acer	Core i5-4460/3.2	10	3.35
2	DELL	Core 2 Duo/2.93	5	1.3
3	HCL	Core 2 Duo/2.2	1	0.23
4	HCL	Core 2 Duo/2.67	1	0.25
5	HP	Core i3-4160/3.6	15	4.47
6	HP SERVER	Xenon/3	1	0.52
7	IBM	P IV/3	2	0.68
8	LENOVO	P D/2.8	3	0.92
9	DELL	Core 2 Duo/2.93	2	0.52
10	HP	Core i3/3.3	23	7.48
11	HP	Core i3-4160/3.6, 4GB,500GB	1	0.30
12	HCL	Core 2 Duo/2.2, 2GB,80GB	5	11.40
13	TCL	P IV/3, 1GB, 80GB	3	0.73
14	IBM	P IV/3, 1GB, 80GB	6	2.04
15	LENOVO	P D/2.8, 1GB,80GB	3	0.93
16	ZENITH	P IV/2.5,256MB,40GB	2	0.52
17	HP	Core i3-4160/3.6,4GB,500GB	62	18.70
	Total		143	44.08

S.No.	Software Particulars	Users	Cost (Rs.) (In lakhs)
Analysis Software			
1	ABAQUS (UGC /MRP)	1	5.0
2	ANSYS 14.0 CFX (AICTE/MODROBS)	50	4.75
Modelling and Drafting Software			
3	CATIA V5R22	30	6.46
4	Solid Works 2017	60	6.86
5	Pro/ Engineer Wild Fire3	50	6.91
6	Pro/ Engineer Wild Fire 2 Commercial)	1	2.75
7	Inventor 7 Professional	5	1.72
8	AutoCAD 2014	1250	-
CAM Software			
9	CNC Train V8 Simulation	5	1.25
10	Edge CAM V10	5	1.0
11	DENFORD CNC tutor	1	-
Computational Software			
12	MATLAB	33	5.20
	Total Cost		41.89

Annexure II: Research Activities Carried Out after the Recognition is Awarded

The Department of Mechanical Engineering applied for Recognition as Research Centre of the Osmania University in the Academic year 2016 – 17. An Inspection Committee has visited our institution for granting us Recognition as Research Centre by the Standing Committee of the Academic Senate of Osmania University, vide letter to our institution of No: 1300/F/Acad-III/2017 has accorded approval for recognition as Research Centre for a period of Three Years with effect from Academic year 2017-18.

Faculty members of Department of Mechanical Engineering applied for Research supervisors to the Dean's Office, Faculty of Engineering, Osmania University and the University has recognized the following faculty members as Research Supervisors

S.No	Name	Designation	Approval letter No.	Discipline
1	Dr. S. Gajanana	Professor	No.DFE/Ph.D (S)/2k14/06 11.04.2014	Mechanical Engineering
2	Dr. M. Madhavi	Professor	No.DFE/Ph.D (S)/2k14/61 08.08.2014	Mechanical Engineering
3	Dr.G. VenkataSubbaiah	Professor	No.DFE/Ph.D (S)/2k15/150 23.02.2015	Mechanical Engineering
4	Dr. J. Kandasamy	Professor	No.DFE/Ph.D/2k17/54 31.03.2017	Mechanical Engineering
5	Dr. P.V. Durga Prasad	Professor	No.DFE/Ph.D/2k18/31 08.10.2018	Mechanical Engineering

1. The University has allotted the following research scholars to the supervisors at OU

S.No	Name of the Supervisor	Name of the Research Scholar	Year of Admission	Status
1	Dr. S.Gajanana	1. B Suresh Kumar Reddy	27-01-2018	Ongoing
		2. E Hazya	27-01-2018	Ongoing
		3. G Swamy	27-01-2018	Ongoing
		4. M Nagarjuna	24-02-2018	Ongoing
		5. C Sravanthi	04-09-2018	Ongoing
		6. K Udayani	04-09-2018	Ongoing
		7. M Sirisha	04-09-2018	Ongoing
		8. J Shyam Sunder	04-09-2018	Ongoing
		9. G Sravan Kumar	04-09-2018	Ongoing
2	Dr. M.Madhavi	1. ReethiMukaherjee	04-09-2018	Ongoing
		2. RajasekharVangala	04-09-2018	Ongoing
		3. S Vijay Mohan	04-09-2018	Ongoing
		4. Meer Mustafa Ali	04-09-2018	Ongoing
3	Dr. G. VenkataSubbaiah	1. M. Anil	04-09-2018	Ongoing
		2. K. Suresh Kumar	04-09-2018	Ongoing
		3. BhukyaBalu	04-09-2018	Ongoing
		4. B Nagamma	04-09-2018	Ongoing
4	Dr. J.Kandasamy	1. G Kiran Kumar	04-09-2018	Ongoing
		2. A Saikumar	04-09-2018	Ongoing

2. Consultancy Projects Done after the recognition is accorded

S.No	Particulars	Name of the External Agency	Year	Cost (Rs.) (In lakhs)	Status
1	Design of FRP Pressure Vessels 1. Dr. M. Madhavi, Professor, MED 2. A. Syam Prasad, Asst. Prof., MED	M/s. Shalin Composites SCIPL/MVSRE C/04 – 17/01	2017 – 18	0.2	Completed
2	Design of Composite Structures: Drive Shafts, Chimney, High Pressure Tank. Principal Investigators: 1. Dr.P. A. Sastry, Professor, MED 2. Dr. M. Madhavi, Professor, MED 3. Mr. A. Syam Prasad, Asst. Prof., MED 4. Mr. K. KarthikRajashekar, Asst. Prof., MED	M/s. CNC Technics PvtLtd., Hyderabad CNC/Unit-I Work Order/01/17-18 Nov., 2017	2018 – 19	0.71	Completed
3	Design and Analysis of Hydrogen Cylinder 1. Dr. M. Madhavi, Professor, MED 2. A. Syam Prasad, Asst. Prof., MED 3. Ms. N. Haritha, Asst. Prof., MED	M/s. CNC Technics UIPO 201920/43	2019 – 20	0.25	Completed
4	Design and Analysis of Composite Tank Principal Investigators: 1. Dr. M. Madhavi, Professor, MED 2. Mr. A. Syam Prasad, Asst. Prof., MED	M/s.Yenplast Pvt. Ltd YP/009/19 – 20	2019 – 20	0.6	Completed

3. Particulars of Patents Received/Filed after the recognition is accorded

S.No	Name	Particulars
1	Dr. M. Madhavi Mr. V. Nikil Murthy	Process for extraction of CalotropisProceraFibers for preparing composite structures used in multiple applications. Publication No.201741040315 Date of Publication: 15.11.2019

4. List of Papers Published in Journals by the Faculty Academic Year 2019-20

S.No	Name of the Author	Title	Name of Journal	Year of publication	ISBN / ISSN number
1	Dr. M. Madhavi	Dynamic Performance Analysis of a Four-Ton Automobile Chassis	Springer Nature	2020	ISBN 9783030588137
2	Dr. S. Gajanana	Investigation of Back Rake Angle on Machining of Al 6061 and Development of Regression Model for Resultant Force	Springer Nature Switzerland AG 2020 S. C. Satapathy et al. (Eds.): LAIS 2, 2020.	2020	https://doi.org/10.1007/978-3-030-24314-2_75
3	B.Suresh Kumar Reddy	Investigation of Back Rake Angle on Machining of Al 6061 and Development of Regression Model for Resultant Force	Springer Nature Switzerland AG 2020 S. C. Satapathy et al. (Eds.): LAIS 2, 2020.	2020	https://doi.org/10.1007/978-3-030-24314-2_75
4	Dr .J. Kandasamy	Formability Analysis on the Gas Formed Aluminum Coated Magnesium Alloys in Conical Dies	Springer Nature Switzerland AG 2020 S. C. Satapathy et al. (Eds.): LAIS 2, 2020.	2020	https://doi.org/10.1007/978-3-030-24314-2_75
5	Dr. S. Gajanana	Investigation on effects of process parameters on surface roughness for spinning process using cylindrical mandrel	Manufacturing Technology Today, Technical Paper	2019	ISSN:0972-7396

6	B. Ravi Kumar	Investigation on effects of process parameters on surface roughness for spinning process using cylindrical mandrel	Manufacturing Technology Today, Technical Paper	2019	ISSN:0972-7396
7	Dr. S. Gajanana	Development of factorial model for Green compression strength of moulding sand	Manufacturing Technology Today, Technical Paper	2019	ISSN:0972-7396
8	G. Prakasham	Development of factorial model for Green compression strength of moulding sand	Manufacturing Technology Today, Technical Paper	2019	ISSN:0972-7396

List of Papers Published in Journals by the Faculty Academic Year 2018-19

S.No	Name of the Author	Title	Name of Journal	Year of publication	ISBN / ISSN number
1	Dr. J. Kandasamy	Finite Element Simulation and Experimental Investigations on Flow behaviour of Aluminium Alloys in Equal Channel Angular Pressing	Materials Today: Proceedings	2019	ISSN:2214-7853
2	Dr. M. Madhavi	Experimental Investigations on static and dynamic parameters of steel and composite propeller shafts with an Integrated Metallic Joints	Materials Today	2018	ISSN: 0000 2014
3	Dr. J. Kandasamy	Comparative Analysis of Temperature Variation in Friction Stir Welding	Materials Today: Proceedings	2018	ISSN:2214-7853
4	Dr. J. Kandasamy	Some Investigations on super plastic forming of Magnesium alloys in cylindrical dies	Journals of Manufacturing Engineering	2017	ISSN: 0973-6867
5	Dr. J. Kandasamy	Gas blow Forming of AZ31 Magnesium Alloy in Box Shaped Dies 2017	Technical Research Organisation India	2018	ISSN:2393-8374
6	Dr. J. Kandasamy	Investigations on the surface hardness and roughness of roller burnished surfaces	International Journal of Modern Engineering and Research Technology	2018	ISSN 2348-8565
7	Dr. S. Gajanana	Casting and metallurgical analysis of aluminium -6061	Manufacturing Technology Today	2018	ISSN:0972-7396
8	Dr. P.V. Durga Prasad	Numerical Analysis of a Radiator Performance Using Aluminium Oxide Nano fluid	International Journal of Technology and Engineering	2018	ISSN2249-7455
9	B. Ravi Kumar	Experimental investigation and simulation of hot rolling of AL 6061	Manufacturing Technology Today	2018	ISSN:0972-7396
10	B. Ravi Kumar	A Review on simulation of multipass spinning process	Manufacturing Technology Today	2018	ISSN:0972-7396
11	R. Haranath	Numerical Analysis of a Radiator Performance Using Aluminium Oxide Nano fluid	International Journal of Technology and Engineering	2018	ISSN:2249-7455
12	Suri Srinivas	Experimental studies of superplastic forming using hemispherical dies and examine the process parameters AA5083 alloy	International Journal of Engineering & Science Research	2018	ISBN:22772685

13	Suri Srinivas	Super plastic forming using rectangular shape dies for process optimisation	International Journal of Engineering and Technology	2018	ISBN:2227-524X
14	G. Prakasham	Investigation of Reaction Forces In Diaphragm Using Finite Element Analysis	Journal of Emerging Technologies and Innovative Research	2018	ISSN:2349-5162
15	G. Prakasham	Assessment of Mechanical Properties of Aluminium Alloy 1100 and 3003 Gas Tungsten Arc Welded Joints	Journal of Emerging Technologies and Innovative Research	2018	ISSN:2349-5162
16	Dr. S. Gajanana	Development of Mathematical model for metal removal rate of EDM using copper and brass electrodes	Materials Today	2018	ISSN: 26925-26933
17	A. Syam Prasad	Experimental Investigations on static and dynamic parameters of steel and composite propeller shafts with an Integrated Metallic Joints	Materials Today	2018	ISBN:2214-7853

List of Papers Published in Journals by the Faculty Academic Year 2017-18

S.No	Name of the Author	Title	Name of Journal	Year of publication	ISBN / ISSN number
1	Dr. J. Kandasamy	Gas blow Forming of AZ31 Magnesium Alloy in Box Shaped Dies 2017	Technical Research Organisation India	2018	ISSN:2393-8374
2	Dr. J. Kandasamy	Investigations on the surface hardness and roughness of roller burnished surfaces	International Journal of Modern Engineering and Research Technology	2018	ISSN 2348-8565
3	Dr. S. Gajanana	Casting and metallurgical analysis of aluminium - 6061	Manufacturing Technology Today, Technical Paper	2018	ISSN:0972-7396
4	Dr.P.V. Durga Prasad	Numerical Analysis of a Radiator Performance Using Aluminium Oxide Nano fluid	International Journal of Technology and Engineering	2018	ISSN2249-7455
5	B. Ravi Kumar	Experimental investigation and simulation of hot rolling of AL 6061	Manufacturing technology today	2018	ISSN:0972-7396
6	B. Ravi Kumar	A Review on simulation of multipass spinning process	Manufacturing technology today	2018	ISSN:0972-7396
7	R. Haranath	Numerical Analysis of a Radiator Performance Using Aluminium Oxide Nano fluid	International Journal of Technology and Engineering	2018	ISSN:2249-7455
8	Suri Srinivas	Experimental studies of superplastic forming using hemispherical dies and examine the process parameters AA5083 alloy	International Journal of Engineering & Science Research	2018	ISBN:22772685
9	Suri Srinivas	Super plastic forming using rectangular shape dies for process optimisation	International Journal of Engineering and Technology	2018	ISBN:2227-524X

10	G. Prakasham	Investigation of Reaction Forces In Diaphragm Using Finite Element Analysis	Journal of Emerging Technologies and Innovative Research	2018	ISSN:2349-5162
11	G. Prakasham	Assessment of Mechanical Properties of Aluminium Alloy 1100 and 3003 Gas Tungsten Arc Welded Joints	Journal of Emerging Technologies and Innovative Research	2018	ISSN:2349-5162
12	Dr. J. Kandasamy	Some Investigations on super plastic forming of Magnesium alloys in cylindrical dies	Journals of Manufacturing Engineering	2017	ISSN: 0973-6867
13	N. Yogi Manash Reddy	Experimental Investigation of Vertical Axis Wind Turbine with Gating System	International Journal of Mechanical Engineering and Information Technology	2017	ISSN :2348-196x
14	Dr. J. Kandasamy	Near-net-shape super plastic forming of Intricate Shaped Magnesium Alloy Components	International Journal of Emerging Technologies and Engineering	2017	ISSN: 2348-8050
15	Dr. M. Madhavi	Study on effects of E-Glass fiber hybrid composites enhanced with multi-walled carbon nanotubes under tensile load using full fractional design of experiments	Applied Nanoscience, Springer publications	2017	ISSN: 2190-5509
16	Dr. M. Madhavi	Study on Structural and Thermal analysis of Composite Disc Brake	International Journal of Science and Innovative Engineering & Technology	2017	ISBN: 978-81-904760-9-6
17	Dr. M. Madhavi	CFD Investigation for different nozzle jets	Materials Today Proceedings by Science Direct	2017	ISSN: 2214-7853
18	Dr. M. Madhavi	Study on effects of E-Glass fiber hybrid composites enhanced with multi-walled carbon nanotubes under tensile load using full fractional design of experiments	Applied Nanoscience, Springer publications	2017	ISSN: 2190-5509
19	Dr. S. Gajanana	Development of Regression Model Using Lasso and optimisation of process parameters in metal spinning	International Journal of Engineering and Research Technology	2017	ISSN:2278-067X
20	Dr. S. Gajanana	Development of Regression Model Using Lasso for End Milling on AL6061Alloy	Manufacturing Technology Today	2017	ISSN: 0972-7396
21	Dr. S. Gajanana	Machinability study of aluminium 6061 alloy on	International Journal of	2017	ISSN: 2347-5013

		end milling process	Engineering and Research		
22	Dr. S. Gajanana	Analysis of Machinability on Al6061 using single point cutting tool	International Journal of Scientific Engineering and Technology	2017	ISSN 2347-5013
23	Dr. S. Gajanana	Linear Model for Turning Al6061 using least absolute shrinkage and selection operator(Lasso)	International Journal of Engineering Science Invention	2017	ISSN:2319 - 6726
24	Dr. P.V. Durga Prasad	Model analysis of Gas Turbine Blade With Different Metals by using ANSYS 11.0	International Journal of Engineering, Science and Mathematics	2017	ISSN 2320-0294
25	B. Suresh Kumar Reddy	Development of Regression Model Using Lasso for End Milling on AL6061 Alloy	International Journal of Engineering and Research Technology	2017	ISSN: 2278-800X
26	M. Ravi Kumar	Water power vehicle using hydrogen from water by electrolysis.	Fuel cells	2017	NIL
27	B. Suresh Kumar Reddy	Machinability study of aluminium 6061 alloy on end milling process	International Journal of Engineering and Research	2017	ISSN: 2347-5013
28	B. Suresh Kumar Reddy	Analysis of Machinability on Al6061 using single point cutting tool	International Journal of Scientific Engineering and Technology	2017	ISSN: 2347-5013
29	B. Suresh Kumar Reddy	Linear Model for Turning Al6061 using least absolute shrinkage and selection operator(Lasso)	International Journal of Engineering Science Invention	2017	ISSN: 2347-6726
30	N. Yogi Manash Reddy	Experimental Investigation of Wind Augmenter For Miniature Horizontal Axis WindTurbine	International Journal of Mechanical Engineering and Information Technology	2017	ISSN-2348-196x
31	K. Karthik Rajashekar	Study on Structural and Thermal analysis of Composite Disc Brake	International Journal of Science and Innovative Engineering & Technology	2017	ISBN 978-81-904760-9-6.
32	A. Syam Prasad	Study on Structural and Thermal analysis of Composite Disc Brake	International Journal of Science and Innovative Engineering & Technology	2017	ISBN 978-81-904760-9-6

Annexure III: Particulars of Seminars/ Workshops Organized by the Institute after the Recognition is accorded.

1. Particulars of Seminars/ Workshops Organized by the by Research Centre, Department of Mechanical Engineering during the Academic years 2017 – 18 to 2019 – 2020

S.No.	Date	Event Type	Particulars
1	04.01.2019 to 09.01.2019	One Week National Workshop	One Week National Workshop on “Vibrations in Mechanical Systems” (VMS 2019) organized by MED, MVSREC with resource persons from DRDO, Hyderabad
2	10.12.2018 to 15.12.2018	Faculty Development Programme	Faculty Development Programme on “Recent Trends in Mechanical and Industrial Engineering” (RTMIE -2018) organized by MED, MVSREC with resource persons from Alma Matter of MED, MVSREC around the Globe
3	11.12.2017 to 15.12.2017	Faculty Development Programme	Faculty Development Programme on “Recent Trends in Mechanical and Industrial Engineering” (RTMIE -2017) organized by MED, MVSREC with resource persons from Alma Matter of MED, MVSREC around the Globe

2. Particulars of Invited Lectures Organized by the by Research Centre, Department of Mechanical Engineering during the Academic years 2017 – 18 to 2019 – 2020

S.No.	Date	Event Type	Particulars
1	18.09.2019	Invited lecture	“The Role of Additive Manufacturing in the ERA of Industry 4.0” by Dr. L. Siva Rama Krishna, Assoc. Prof., UCE, OU.
2	07.09.2019	Guest lecture	“Automobile Materials” by Dr. Rajendran
3	20.08.2019	Guest lecture	“Ruggedising System for Real Environment” by Dr. Jagadisan Krishnamoorthy, Outstanding Scientist RCI, DRDO (Superannuated.)
4	29.03.2019	Project Expo	Showcasing of Fabricated Projects of all disciplines to the society
5	22.02.2019	Guest lecture	“Structural Vibrations and its Control” by Mr. N. Mallikarjun Naik, Scientist D, RCI, DRDO
6	03.08.2018	Guest lecture	“Manufacturing of Super Alloys” by Mr. P. Thrishul, Manager, KEANES & Maintenance, MIDHANI Ltd, Hyderabad
7	24.03.2018	Project Expo	Showcasing of Fabricated Projects of all disciplines to the society
8	14.03.2018	Guest lecture	“Solar Cell Materials” by Dr. V. Ganapthy, DST-INSPIRE Faculty, Centre for Solar Energy Materials, ARCI, Hyderabad
9	29.12.2017	Guest lecture	“Tools and Techniques in Nanometrology” by K.P. Purshottam, Scientist/Researcher, National Institute of Standards and Technology, Gaithersburg, MD, USA
10	18.09.2017	Guest lecture	“Advances in Metrology and instrumentation” by Sri Ashok Ponram, Scientist – E, DRDO
11	21.07.2017 & 22.07.2017	Two-day orientation programme	“Machine Drawing with AutoCAD” organized by MED, MVSREC
12	03.07.2017	5 – Day Training Programme	“MATLAB for Mechanical Engineers” organized by MED, MVSREC
13	07.04.2018	One Day Workshop	“Maintenance and troubleshooting of Refrigeration and Air Conditioning System” organized by MED, MVSREC

Annexure IV: Particulars of Research Grants

1. Particulars of Research Grants from External Agencies

S.No	Project Scheme	Title of the Project with Reference Number & Status	Year of Sanction	Cost (Rs.) (In lakhs)	Name of the Coordinator
1	AICTE AQIS RPS	Computational Analysis and Experimental Investigations on Formability of Sheets Processed through Powder Metallurgy Routes. File No. 8-65/FDC/RPS (POLICY-1) 2019 – 20 (Ongoing)	2019 - 20	17.28	Dr. J. Kandasamy
2	AICTE AQIS MODROBS	120 Tonne Die Casting Machine F.No.9-285/ RIFD/ MOD/ Policy-1/2018-9 (Ongoing)	2019 - 20	9.0	Dr. J. Kandasamy
3	IEI UG Project	Intelligent Automobile Brake Health Monitoring Using Images of Brake Disc. Project ID: UG2020022 (Completed)	2019 - 20	0.2	Dr. M. Madhavi
4	IEI UG Project	Design, Development and Fabrication of Equal Channel Forming Dies with Environment Friendly Lubricants. Project ID: UG2020024 (Completed)	2019 - 20	0.2	Dr. J. Kandasamy
5	IEI UG Project	Design and Development of Low Cost Die Set Up for Superplastic Forming of Light Alloys. Project ID: RDUG2018027 (Completed)	2018 - 19	0.2	Dr. J. Kandasamy
6	IEI PG Project	Automated Machine for Bio Degradable Natural Fiber Extraction and Conditioning Project ID: RDPG2017008 (Completed)	2018 - 19	0.45	Dr. M. Madhavi
7	UGC Minor Research Project	Experimental and Computational Investigations on Superplastic Forming of Aluminium Coated Magnesium alloys. Ref. No. F MRP-6742/16/SERO/UGC (Completed)	2016 -17	3.05	Dr. J. Kandasamy

2. Research grants funded by College (2019 – 2020)

Batch No.	Faculty Guide & Designation	Name of Students	Roll. No. of Students	Title of the Project	Cost (Rs.) (In lakhs)
1	Dr. M. Madhavi, Professor & HME	M. Sharath	2451-16-736-005	Health Monitoring of Automobile Brake	0.18
		Mokshagna	2451-16-736-053		
		RoopSrikar	2451-16-736-055		
		Nandini	2451-16-736-029		
		T Megana	2451-16-736-065		
2	Dr. J. Kandasamy, Professor	G.Prudhvi	2451-16-736-116	Design, Development and Fabrication of Welding Fixture for Joining of Pipes	0.15
		T. Anusha	2451-16-736-083		
		V.SaiVikas	2451-16-736-066		
3	S.V. Narasimha Rao, Associate Professor	K. Thirumala	2451-16-736-039	Multi-Objective Optimization of Solar Assisted Absorption Cooling System	0.20
		K Sai Sandeep	2451-16-736-301		
		J Vamshi	2451-16-736-307		
4	N. Yogi Manash Reddy, Assistant Professor	G. Anjani	2451-16-736-010	Design, Fabrication and Analysis of Novel HAWT	0.20
		ShaikAzeez Ahmed	2451-16-736-020		
		R Nagesh	2451-16-736-030		
		D. ShanthiPriya	2451-16-736-038		
5	A. Syam Prasad, Assistant Professor	M.Srihita	2451-16-736-070	Dynamic Analysis on Visco elastic Sandwich Beam	0.25
		D. Sugandhika	2451-16-736-084		
		V. Srilekha	2451-16-736-098		

Research grants funded by College (2018 – 2019)

Batch No.	Name of the Faculty Guide	Name of Students	Roll. No. of Students	Title of the Project	Cost (Rs.) (In lakhs)
6	Mr. N. Yogi Manash Reddy Assistant Professor	M.Tarun	2451-16-736-063	Design, fabrication and analysis of Solar Concentrating Still	0.20
		D.Sahith	2451-16-736-075		
		A.Niketh	2451-16-736-079		
7	Mr. A. Syam Prasad Assistant Professor	M. Srihita	2451-16-736-070	Experimentation of Transverse Vibrations on a Free-Free Beam	0.40
		K. Avinash	2451-15-736-071		
		Sindhu Thomas	2451-15-736-083		
		JVPR Kruthi	2451-15-736-087		
8	Mr. R. Ravi Kumar Assistant Professor	A. Sampath	2451-16-736-062	Development of Biomass Gasifier to process Municipal Solid Waste	0.50
		M. Rama linga Reddy	2451-16-736-065		
		SampathRohith	2451-16-736-069		

3. Research grants funded by College towards SAE.

S.No	Project	Academic Year	Cost (Rs.)(In lakhs)
1	SAE SUPRA	2019 – 2020	0.95
2	SAE BAJA	2019 – 2020	4.01
3	SAE SUPRA	2018 – 2019	4.14
4	SAE BAJA	2018 – 2019	6.50
5	SAE SUPRA	2017 – 2018	3.60
6	SAE EFFICYCLE	2017 – 2018	0.90
7	SAE BAJA	2017 – 2018	5.81

Annexure V: Financial Resources of the Institution/Laboratory/College

Name of Lab	Cost (Rs.)(In lakhs)
Metallurgy and Material Science Lab	9.34
Hydraulic Machinery & Systems Lab	11.95
Manufacturing Processes Lab	9.12
Metrology & Instrumentation Lab	5.29
Heat Power Lab	28.23
Metal Cutting & Machine Tool Engineering Lab	22.29
CAD/CAM/CAE Labs	104.83
Workshop	3.02
Engineering Drawing Lab	19.96
Dynamics of Machines Lab	4.50
R&D Lab	1.25
Total	196.87