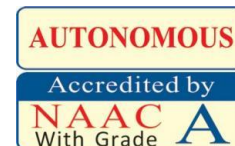**DVR & Dr. HS**

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E mail: office@mictech.ac.in, Website: www.mictech.edu.in
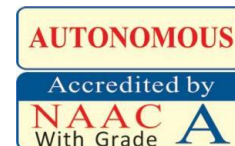
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3.1.2 The institution provides seed money to its teachers for research; 3.1.2.1: The amount of seed money provided by the institution to its teachers for research during the year (INR in lakhs)

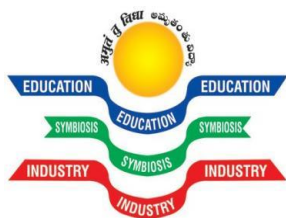| S.No.	Name of the Teacher	Title of the Project	Seed Money Amount	Link to the policy document for sanction of seed money/grants
		Academic Year: 2022 - 23		
1.	Mr.N.V. Subba Rao	Stabilization of soil by using shredded rubber tyres	0.45	https://naac.mictech.edu.in/supporting_docs_ssr/pdfs/Cr_3_1_2_2022-23.pdf
2.	Mr. K. Prasad	Influence of Steel Fiber as an Admix in Normal Concrete with Partial Replacement of Cement by Fly Ash	0.4	
3.	Dr. D.V. Siva Reddy	Investigation of different Cellular scanning strategies on selective laser melting Process	0.5	
4.	Mr. A. Naga Pavan Kumar	Microstructural Study of Inconel 600 through Gas Tungsten Arc Welding Process	0.4	
5.	Ms. A. Anuradha	Machine Learning and End-to-End Deep Learning for the Detection of Chronic Heart Failure From Heart Sounds	0.4	
6.	Ms. R. Vijaya	Detecting Impersonators in Examination Centers	0.3	
7.	Dr. P. Pradeep	Electrical battery thermal management system based on calculating state of charge and state of health.	0.5	
8.	Mr.A.V.Ravi Kumar	Modelling of Fault Detection in Underground and Overhead Transmission System Using Arduino	0.5	
9.	Mr. M. Sunil Kumar	Adaptive PID Controller with P&O MPPT Algorithm for Photovoltaic System	0.4	
10.	Dr. Ch. Pulla Rao	Implementation of Arm Processor Using FPGA	0.5	
11.	Dr. B. Pragathi	Smart Traffic Control Using Arduino Uno and RF Module	0.4	
12.	Dr. P. Rajani	Implementation of Li-Fi Technology in Vehicle to Vehicle Communication	0.4	

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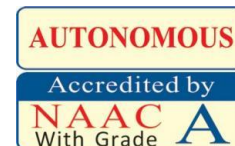E mail: office@mictech.ac.in, Website: www.mictech.edu.in

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S.No.	Name of the Teacher	Title of the Project	Seed Money Amount	Link to the policy document for sanction of seed money/grants
13.	Mr. D.Prasad	Hyperparameter tuning of graph convolution networks based collaborative recommender systems	0.35	
14.	Dr. D.Varun Prasad	Prediction of diabetes in females of Pima Indian heritage using XGB Classifier	0.4	
15.	Mrs. V. Srilakshmi	Cyber encroachment based on intelligent retrieval networks using event profiles	0.4	
16.	Mrs. V. Lakshmi Chetana	Unassailability by using distributed ledger technology and AI	0.45	
Academic Year: 2021 - 22				
17.	Mr.N.V.Subba Rao	Experimental Investigation on Mechanical Properties of Flyash Based on Geo-Polymer Concrete	0.5	
18.	Mr. S. Ashok Kumar	Mini Rain Water Treatment Plant	0.3	
19.	Dr. P. Pradeep	Fully Automated Solar Grass Cutter	0.2	
20.	Mr.A.V.Ravi Kumar	Energy management strategy of a photovoltaic electric vehicle charging station	0.2	
21.	Dr.B.Karunakar	Power Factor Improvement by Thyristor Switched Capacitor in Distribution System	0.3	**https://naac.mictech.edu.in/supporting_docs_ssr/pdfs/Cr_3_1_2_2021-22.pdf**
22.	Dr. G. Rajesh	Experimental Investigation on Mechanical Properties of Metal Matrix Composites by Centrifugal Casting	0.45	
23.	Mr. R. Ranjith Kumar	Investigation on Mechanical Properties of Al7075-Hybrid Material Matrix Composite	0.4	
24.	Dr. B. Pragathi	Arduino based Robo Floor Cleaning	0.2	
25.	Dr. C. Pulla Rao	Arduino based Indoor Hydroponic System	0.2	
26.	Dr. P. Rajani	LoRa based smart irrigation system for remote areas	0.3	
27.	Mr. D. Prasad	Automatic Attendance using Face Recognition	0.15	
28.	Dr. G. Sai Chaitanya Kumar	College Enquiry Process Using Chat-Bot System	0.3	

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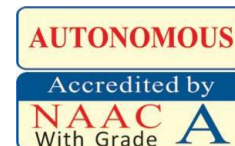
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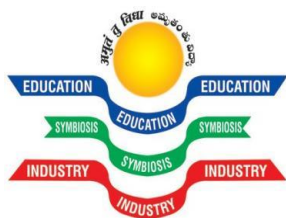| S.No.	Name of the Teacher	Title of the Project	Seed Money Amount	Link to the policy document for sanction of seed money/grants
29.	Mrs. V. Srilakshmi	Student Online Mentoring System	0.15	
30.	Mrs. V. Lakshmi Chetana	Automatic Street Light using LDR and IR	0.2	
31.	Mrs. R. Vijaya	Application on American sign language Recognizer Using Action Recognition	0.15	
32.	Mrs. A. Anuradha	Smart Alert System for Drowsy Driver Detection using Machine Learning	0.15	
33.	Mr. K.Mahanti	Speech Emotion Recognition	0.15	
Academic Year: 2020 - 21				
34.	Mr.N.V.Subba Rao	Analysis of Steel Fiber Strength in Concrete Along with Partial Replacement of Cement by Fly Ash	0.3	
35.	Dr. P. Pradeep	Battery management system for electric bikes	0.2	
36.	Mr. M. Sunil Kumar	Eye Controlled Wheel Chair For Physically Handicapped Using RASPBERRY PI	0.25	
37.	Dr. G. Rajesh	Fabrication of Low-Cost Bio-degradable Plastic Materials Using Potato Starch	0.28	**https://naac.mictech.edu.in /supporting_docs_ssr/pdfs/ Cr_3_1_2_2020-21.pdf**
38.	Dr. K. Srinivas	Experimental investigation on microstructural characterization and mechanical properties of plasma arc welded Inconel 617 plates	0.25	
39.	Mr. C. Pulla Rao	Video Denoising Using NLM Algorithm	0.22	
40.	Dr. B. Pragathi	Saline Monitoring System for Wireless Networks	0.25	
41.	Dr. G. Sai Chaitanya Kumar	Lip Reading Using Neural Networks and Deep Learning	0.28	
42.	Mrs. A. Anuradha	Design and implementation of smart blind stick	0.28	
43.	Mr. K. Mahanti	Object tracking from video input using deep learning	0.35	
Academic Year: 2019-20				

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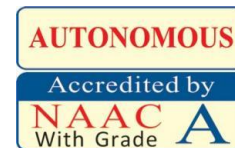E mail: office@mictech.ac.in, Website: www.mictech.edu.in

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S.No.	Name of the Teacher	Title of the Project	Seed Money Amount	Link to the policy document for sanction of seed money/grants
44.	NSM. Ravikumar	Study on Manufacturing of Bricks by using Mineral Admixture in alternate solution	0.45	
45.	Ch. P.S. Sainadh	Planning and Designing an Environmentally Sustainable College Campus of DVR & Dr. HS MIC College of Technology	0.4	
46.	A.V. Ravikumar	Home automated system using Bluetooth and an android application	0.5	
47.	M. Nageshwar Rao	Power factor corrections of grid connected hybrid system	0.6	https://naac.mictech.edu.in/supporting_docs_ssr/pdfs/Cr_3_1_2_2019-20.pdf
48.	M. Sunil Kumar	IoT Based Smart Agriculture Monitoring System	0.5	
49.	P. Bhagat Singh	Experimental Investigation on Mechanical Properties of Aluminum Metal Matrix Composites	0.65	
50.	R. Ranjith Kumar	Fabrication of Industrial 3D Printer	0.5	
51.	B.R.K. Singh	Smart Irrigation System Using IoT	0.4	
52.	G. Ananda Lakshmi	IoT Based Air Pollution Monitoring System	0.5	
53.	G. Kiran Kumar	Temperature-based Fan Speed Controller Using IoT	0.45	
54.	D. Prasad	Certificateless public integrity checking of group shared data of cloud storage	0.5	
55.	V. Srilakshmi	Trust assesment in online social networks	0.45	
56.	V. Lakshmi Chetana	Prediction of price of Bitcoin using Machine Learning	0.5	
Academic Year: 2018 - 19				
57.	N.V. Subba Rao	Improvement of Compressive Strength of Pervious Concrete by Using Mineral Admixtures	0.7	
58.	K. Prasad	An expeimental study on stabilization of soil by using egg shell powder and quarry dust	0.6	
59.	Dr. T. Vamsee Kiran	GSM Based Smart Energy Meter System	0.6	
60.	Dr. Deepak Kumar	Solar Wireless Electric Vehicle Charging System	0.6	

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S.No.	Name of the Teacher	Title of the Project	Seed Money Amount	Link to the policy document for sanction of seed money/grants
61.	Dr. V. Srinivasa Sai	Experimental & Simulation of Machining Study of Inconel-825 Workpiece	0.6	
62.	Dr. Naveen Sharma	Design and Fabrication of Six-Legged Kinematic Machine for Material Handling	0.65	
63.	Dr.Savithesh M Sharma	Military Assistance and Surveillance using IoT	0.4	https://naac.mictech.edu.in /supporting_docs_ssr/pdfs/ Cr_3_1_2_2018-19.pdf
64.	Dr Goutam Kumar Gupta	Solar Powered Multi-Function Agro-Robot	0.55	
65.	A.Sarada	Home Security System using Arduino Uno	0.4	
66.	Dr. G.Kalyani	Stock Market Trend Prediction using K Nearest Neighbourhood algorithm	0.45	
67.	D. Varun Prasad	Establishing connection between ecommerce and social media for effective marketing	0.5	
68.	A. Anuradha	Air Quality index calculator using Machine Learning	0.4	
69.	N.V. Mahalakshmi	Dynamic group oriented provable data possession in cloud	0.5	

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