

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Research & Development Projects in Mechanical Engineering Department

S.No.	Sponsoring Agency	Title of Project	Principle Investigator	Amount of Grant (Rs)	Period	Status
1	AICTE TEQIP-III (CRS)	Performance Enhancement of Solar Distillation Systems Using Nanoparticles	Dr. Amrat Kumar Dhamneya	12.9 Lac	2019 (1 year)	Running
2	AICTE TEQIP-III (CRS)	3D Modeling & Finite Element Analysis of Bio Structure From CT Scan & MRI Data	Dr. Dharmendra Jain	17.35 lac	2019 (1 year)	Running
3	AICTE TEQIP-III (CRS)	Analysis and Control of Noise Pollution in Hospitals	Dr. Naresh Kumar Raghuvanshi	21.83 Lac	2019 (1 year)	Running
4	AICTE TEQIP-III (CRS)	Design and Development of Portable Gnathodynamometer	Mr. Neeraj Mishra	14.64 Lac	2019 (1 year)	Running
5	AICTE (MODROB)	Advanced Refrigeration and Air Conditioning Lab	Dr. Manoj Kumar Gaur	6.5 Lac	2017 (2 year)	Completed
6	AICTE (DST)	Development of Solar Multipurpose Power Unit	Dr. Chandra Shekhar Malvi	13.50 Lac	2015 (3 years)	Completed
7	INSTITUTION OF ENGINEER	Sustainable Paper Recycling Plant	Dr. Chandra Shekhar Malvi	0.4 Lac	2015 (1 year)	completed
8	AICTE (RPS)	Heat and Mass Transfer Analysis of Hybrid Solar Dryer with Uniform Heating	Dr. Manoj Kumar Gaur	13.53 Lac	2014 (3 years)	Completed
9	AICTE (MODROB)	Development of Mechanics of Material Lab	Dr. Chandra Shekhar Malvi	11.19 Lac	2014 (3 years)	Completed
10	AICTE (RPS)	Performance Analysis of Solar Operated Vapor Absorption Refrigeration Cycle	Dr. Manoj Kumar Gaur	10.3 Lac	2011 (3 years)	Completed

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Consultancy (From Industries) in Mechanical Engineering Department

S.No.	Title of project	Funding Agency	Amount (Rs)	Principal Investigator	Duration	Year	Status
1	Checking and Verification of Two Trolley Drawings	Ajanta krishiYantra Uddhyog	14800/-	Dr. Chandra Shekhar Malvi	09-12-2019 to 10-01-2020	2020	Completed
2	Verification of Trolley Drawing	Balaji Agro, Balghat	7400/-	Dr. Chandra Shekhar Malvi	26-10-2018 to 13-11-2018	2018	Completed
3	Mechanical Department Testing	Rajesh Chandresh	8400/-	Dr. Chandra Shekhar Malvi	08-12-2016	2016	Completed
4	Verification of Steel Utensil	Integrated Child Development Services	4200/-	Dr. Chandra Shekhar Malvi	28-01-2016 to 08-07-2016	2016	Completed
5	Air Conditioning Load Calculation	Mrignayani MP Emporium	10000/-	Dr. Manoj Kumar Gaur	22-12-2014 to 02-09-2015	2015	Completed
6	Trolley Drawing Specifications and Approval Tractor Trolley Standards and Specifications	Shree Mahalaxmi Agro	16880/-	Dr. Chandra Shekhar Malvi	06-11-2015	2015	completed
7	Approval of Driver Badge Specifications	Agarwal Trading Corp. GWL	2780/-	Dr. Chandra Shekhar Malvi	02-11-2015	2015	Completed
8	Approval of Driver Badge Specifications	Divya Trading CO. Gwalior	4170/-	Dr. Chandra Shekhar Malvi	29-10-2015 to 02-11-2015	2015	Completed
9	Trolley Drawing Specifications and Approval	M/s Faiz Steel Works, Bhopal	12510/-	Dr. Chandra Shekhar Malvi	02-09-2015 to 04-09-2015	2015	Completed
10	Approval of Driver Badge Specifications	Agarwal Trading Corp. Gwalior	1000/-	Dr. Chandra Shekhar Malvi	01-10-2013	2013	Completed
11	Approval of Driver Badge Specifications	Divya Trading CO. Gwalior	1000/-	Dr. Chandra Shekhar Malvi	01-10-2013	2013	Completed

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Patents in Mechanical Engineering Department

S.No.	Faculty Name	Title of Patent	Application Number	Date of Publication	Status
1	Dr. Chandra Shekhar Malvi	Low Cost Solar Water Heater to Functioning During Sun-Off Period Using Phase Change Material	201921041635	06-12-2019	Published
2	Dr. Chandra Shekhar Malvi	Low Cost Solar Water Heater Heater for Use at Remote Location	201921037524	11-10-2019	Published
3	Dr. Chandra Shekhar Malvi	Machine for Preparation of Solid Paper From Pulp For Waste Paper Recycle Purpose	201921030741	30-08-2019	Published
4	Dr. Chandra ShekharMalvi	Low Cost Waste Paper Material Pulping Machine for Recycling Purpose	201921029356	30-08-2019	Published
5	Dr. Chandra ShekharMalvi	Screw Press Machine to Remove Wet Paper Moisture in Waste Paper Recycling Purpose	201921030743	30-08-2019	Published
6	Dr. Pratesh Jayaswal	A Mobile Phone Charger with Flexible Mobile Phone Stand	201921017792	03-05-2019	Published
7	Dr. Manoj Kumar Gaur and Prof. Anand Khushwah	Method and Apparatus for Controlling The Temperature of Solar Dryer	201921001878	01-02-19	Filed
8	Dr. Manoj Kumar Gaur and Prof. Anand Khushwah	Application for Automotive/Industrial Coolant Using Solar Evacuated Tubes and System of The Same	201821045563	07-12-2018	Filed