

List of UG (GME19) Project Groups with Guide and Topic Name
January - May 2022 (Even Sem 2021-2022)

Sr. No.	Title of project	Name & Reg. No. of the students	Project guide name
1	Effect of Hard Facing on Wear Rate of EN 31 using SMAW Process	Alok Kumar, (GME/1933512)	DR. J. S. Gill
		Shubhash Kumar, (GME/1933511)	
		Shubham Mehta / GME-1933536	
		Mayank Kumar, (GME/1933527)	
2	Adaptable Mechanical Machine	Akshat Verma (GME/1840309)	Dr. Shankar Singh
		Monu Kumar (GME/1840305)	
		Aditya Gupta (GME/1840303)	
3	An economical precision agriculture system	Akshat mahajan(GME/1933542)	Mr. Divesh bharti and Dr. Yogesh Verma
		Sudhanshu kumar pandey(GME/1933541)	
		Atal upadhyay(GME/1933543)	
4	Analysis of dust accumulation on PV panels	PARTH SACHAN (GME/1840322)	Dr. Anuj Bansal
		GOVIND RAJPOOT (GME/1840339)	
		ABHAY KUMAR GUPTA(GME/1840321)	
5	ANSYS Fluent CFD Modeling of Solar Air-Heater Thermoaerodynamics	Ishaan Singh & GME/1840331	Mr. Divesh Bharti and Dr. Yogesh Verma
		Mathanmi A. Shatsang & GME/1840304	
		Raunak Kumar & GME/1840326	
6	Designing & Fabrication of Automated Drainage Cleaner	Aniket kumar (GME/1933518)	Dr. R.K.Saxena and Mr. Surinder Kumar
		Satyam GME/1933506	
		Avijit Gautam (GME/1933509)	
		Nirbhay Kumar (GME/1933508)	
7	Automatic fertilizer sprayer	Siva Sankar Ambati, Gme-1840334	Dr. Sunil kumar and Er. Sumit Kumar
		Vinay kumar molathoti, Gme-1740881	
		Shiv markandey Leyangi, Gme-1840323	
8	Battery Drive Motorized Agriculture weeder	Priyesh Kumar thakur (GME/1933523)	Dr. Sunil Kumar and Er. Divesh Barthi
		Saurav Kumar (GME/1933534)	
		Kunal Kumar (GME/1933526)	
		Sachin Jha (GME/1933533)	
9	CFD Analysis of Mountain Topography	Shashank Vijaykumar Darkunde (GME/1840335)	Mr. Divesh bharti and Dr. Yogesh Verma
		Akul Pathania (GME/1840358)	
		Dhruv Kumar (GME/1840361)	
10	Design and analysis of gear box	Guruveet singh Gme / 1840317	Dr. Amrik singh and Mr. Lalit Ahuja
		Neeraj nagar Gme / 1840310	
		Abhiruo Gautam Gme 1840302	
11	Design and Development of a Torque Multiplier Machine	Princu Singh/GME1840332	Dr. Shankar Singh and Er. Jonny Singla.
		Navneet K. Nautiyal/GME1840324	
		Bhanu Pratap/GME1840301	
		Anjani Tiwari /GME1840325	
12	Electric Cycle	Kumar Avinash Prabhat (GME/1933546)	Dr. Yogesh Verma and Dr. Vivek Kumar
		Adnan Waris (GME/1933537)	
		Md Waseem Alam (GME/1933545)	
13	Experimental Study on Aluminium Alloys using metal casting process.	Vivek Negi (GME/1933548)	Dr. Rakesh Kumar and Dr. R K Yadav
		Akhilesh Kumar Yadav (GME/1933544)	
		Chandan Kumar (GME/1933547)	
		Sonelal Kuamr (GME/1933515)	
14	Fuell cell development with Additive Manufacturing	Raju Kumar (GME/1933502)	Mr. Lalit Ahuja and Dr. Vivek Kumar
		Rahul Kumar (GME/1933522)	
15	Making a car wheel using Casting Process	Santosh Kumar chetry (GME/1933503)	Dr Rakesh kumar and Mr. M A Akhtar
		Satyam Kumar (GME/1933514)	
		Rajnish Kumar (GME/1933529)	
		SANJEEV KUMAR (GME/1933535)	

Misc ANKITA

**List of UG (GME19) Project Groups with Guide and Topic Name
January - May 2022 (Even Sem 2021-2022)**

Sr. No.	Title of project	Name & Reg. No. of the students	Project guide name
16	Manually operated paddy plantation machine	GOPAL KRISHAN YADAV (GME/1933539)	Miss. Ankita Omer and Mr. Surinder Kumar
		ADITYA VARDHAN (GME/1933538)	
		AZAD RANJAN & GME/1933531	
17	Portable Mixing Grinder With Crushers	Suman Saurav (GME/1840338)	DR. Anuj Bansal and Dr. Anil Singla
		Rahul Baghel (GME/1933516)	
		Anurag Sharma (GME/1933044)	
18	Power Generation Using Speed Breaker	Rahul Maurya (GME/1840320)	Dr. Sunil Kumar and Mr. Divesh Bharti
		Ankit Kumar gme-1840308	
		Keshav Kumar gme-1933524	
19	Rescuing Arm	Vichitrasen Kumar GME/1840327	Mr. Jonny Singla and Mr. Lalit Ahuja
		Nitish Kumar GME/1840329	
		Siddhant Jaisawala GME/1840327	
20	Smart Gas Trolley	Harshraj / GME-1933528	Dr Anuj Bansal and Miss. Ankita Omer
		Krishna Kumar Yadav / GME-1933513	
		MOHAMMAD TANVEER/GME-1933530	
21	Solar Pond Cleaning Boat	Waquar Shahid (Gme/1933505)	Miss. Ankita Omer and Dr. Amrik Singh
		Akshay Kumar (Gme/1933507)	
		Avinash Kumar (Gme/1933517)	
22	Some Studies of Six Sigma Implementation in Business Environment	SUDESH KUMAR (GME/1933519)	Dr. Arvind Jayant and Mr. Lalit Ahuja
		ADITYA RAJ(GME/1933504)	
		RISHABH ANAND (GME /1933501)	
23	Improving Metallurgical and Corrosion Behavior of MILD STEEL Weld Overlays Using GTAW Technique	Radhika Verma (GME/1840333)	Dr. Harish kumar Arya and Er. Sumit Kumar
		Prakriti Bhardwaj (GME/1933532)	
		Anunay kumar (GME/1933520)	
		Brijesh kumar (GME/1933510)	
24	To investigate the mechanical properties of novel auxetic structure for polymer material	Sanidhya suman (GME/1933521)	Er Jonny singla and Dr. Yogesh Verma
		Ankit kumar (GME/1933525)	
		Kappu kamal (GME/1933540)	

Coordinator

Dr. Indraj Singh (AsP, ME)

List of GWT 19 Students for Projects with Supervisor and topic name
(Acad 2021-22)

S.No	Name of the students	Name of the faculty guide	Title of project
1	Naman Kumar Garg	Dr. Indraj Singh and Mr. S C Verma	Design and Analysis of Differential Gearbox
	Yogesh Kumar		
2	Gaurav Joshi	Dr. Amandeep Singh Shahi	Investigations of deposition strategy on wire-arc additive manufacturing of austenitic stainless steel components
	Prabhan Dua		
	Siddharth Kumar		
	Suyash Mishra		
3	Sukhpreet Singh	Dr. Kulwant Singh	Effects of Interpass temperature on mechanical properties of weld
	Robin Singh		
	Akansh Bansal		
4	Vikash Kumar	Dr. HK Arya	Experimental Values of Mechanical Properties & Microstructural Analysis of Weldment SS 304 After Micro Plasma Welding
	Shreyansh Sehgar		
	Alok Raj		
	Kaushal Kumar		
5	Chetna Bharadwaj	Dr. Indraj Singh and Mr. M A Akhatar	Heat Transfer Analysis of Source/ Sink of an Earth Tube Heat Exchanger by CFD Modelling and Simulation
	Anand Mohan		
	Vipul Kumar		
	Rohit Kumar		
6	Prabhas Kumar	Dr. Vivek Kumar & Dr. Jonny Singla	Study and Development of Predictive maintenance Tool for Condition monitoring using Vibration Analysis
	Abhishek Kumar		
	Dipendar Patel		
7	Sushant Sekhar	Dr. HK Arya and Mr. Surinder Kumar	Arduino based Automatic Drip Irrigation
	Prakash Mishra		
	Kumar Satyawart		
	Romil Raj		
8	Santosh Kumar Maurya	Dr. Mohd. Majid and Dr. Amrik Singh	Automatic Motor Bike Stand Slider
	Arpit		
	Ramashankar Yadav		
9	Sachchidanand Prasad	Dr. Vivek Kumar & Dr. Jonny Singla	Forced vibration analysis of cantilever beam
	Yash Gupta		
	Ranjan Kumar		
10	Sumant Kumar	Dr. Jonny Singla and Dr. Jagtar Singh	Design and Analysis of Small-Scale Axial Flow Pump Using CFD And Rapid Prototyping
	Anil Kumar Agrahari		
	Kishan Varshney		
	Raushan Kumar		
11	Amrit Kumar Sah	Dr. JS Gill	Improving Metallurgical and Corrosion Behavior of AISI 316L Weld Overlays Using GTAW Technique.
	Nihal Nayan		
	Adithya Gattu		
	Satya Prakash		
12	Vishal Anand	Mr. Prabjot Singh and Mr. Sumit Kumar	Design and analysis of disc brake rotor
	Pintu Kumar		
	Saurav Kumar Suman		
	Shushant Bharadwaj		
13	Pawan Kumar Sain	Dr. J S Gill and Dr. Indraj Singh	Improve Abrasion Resistance of Agricultural Shovel with Hard Facing Process
	Gurlal Singh		
14	Srinath Kumar	Dr. Rakesh Kumar and Dr. R K Yadav	Experimental Analysis of Mechanical Properties on addition of 1% Cu to Aluminium Alloy (AA6101)
	Shubham Kumar		
	Adarsh Ankit		

AIBL
ju

(Signature)

List of GWT 19 Students for Projects with Supervisor and topic name
(Acad 2021-22)

S.No	Name of the students	Name of the faculty guide	Title of project
	Gautam Kumar		
15	Ashwini Kumar Warsi	Dr. Anuj Bansal and Dr. Jagtar Singh	Designing The Apparatus for Measurement of Contact Angle of Fluid
	Ankit Raj		
	Abhishek Singh		
16	Karandeep Singh	Mrs. Ankita Omer and Dr. Manoj Goel	Automated solar grass cutter
	Shivam Rana		
	Abhijeet Aryan		
	Utkarsh Diwedi		
17	Gaganpreet Singh	Dr. Kulwant Singh	Study on Effect of Interpass temperature on Microstructure of the welds
	Girish Dembla		
	Sukhdev Singh		
18	Mannu Murya	Dr. HK Arya and Dr. Mohd. Majid	Design and modification in Blower
	Raj Bikram		
	Sahil Gupta		
19	Navdeep Singh	Dr. Mohd. Majid	Model orthographic views and 3-dimensional isothermic view of universal coupling
	Vivek Kumar		
	Kalal Sravan Kumar Goud		
20	Ravi Ranjan Prabhakar	Mr. Sumit Kumar and Mr. Surinder Kumar	Electromagnetic braking system
	Abhishek Kumar		
	Raj Saurav		
	Chandan Kumar		
21	Pankaj Kumar	Dr. Shankar Singh and Mr. Johnny Singla	Hood Closure & Automotive Door Design
22	Ashra Fatima	Dr. Indraj Singh and Dr. Manoj Goel	Magnetic field on the structure and properties of weld in shielded
	Smiriti Kumari		
23	Satyam	Dr. Rakesh Kumar and Dr. Manoj Goel	To develop composite material by natural fiber
	Priyanshu		
	Gaurav Kumar		
24	Wasim Akram	Dr. Mohd. Majid and Mr. M A Akhtar	To improve the hardness of mild steel 1020 using paste technique
	Asad Ahamad		
	Md Taj Uddin		
	Raney Khan		

Handwritten signatures

Coordinator
Dr. Indraj Singh