

KRISHNA INSTITUTE OF ENGINEERING & TECHNOLOGY**Department Of Mechanical Engineering****Session 2015-16****Project Title**

S.NO.	FACULTY NAME	PROJECT TITLES
1	Dr. K.L.A. KHAN	Onset of thermo solutal convection in horizontal porous medium: A mathematical approach.
2	Dr. ASHISH KARNWAL	Design & Development of Solar vehicle.
		Solar Stirling engine.
3	Mr. SANDEEP CHHABRA	Design & fabrication of solar refrigerator.
		A mathematical approach to onset of thermal convection in nano-fluid layer.
4	Mr. RUPESH CHALISHGAOKAR	Design & Fabrication of Road Power Generator.
		Design and fabrication pneumatic crane.
5	Mr. AJAY KUMAR	Modeling of elastic properties of laminates using MATLAB.
		Modeling of elastic properties & nano-tube using MATLAB.
6	Mr. SUBODH KUMAR SHARMA	Thermal analysis of functioned graded material valve.
		Analysis of thermal behavior of functioned graded material Piston.
7	Mr. AJAY SINGH VERMA	Kinetic energy restoration system (KERS) in Bicycle.
		Optimization of performance Parameter of VCR Engine using alternate Fuel (Bio Diesel)
8	Dr. ARUNESH CHANDRA	Manufacturing and Testing of FRP composite.
		Closed loop measurement of equipment efficiency and equipment capacity.
9	Ms. PRATIBHA KUMARI	Study of metallurgical behavior of hard faced steel.
		PARAMETRIC STUDY OF ABRASIVE WEAR OF HARD FACED STEEL USING RSM.
10	Mr. ANURAG GUPTA	Portable folding vehicle.
		Characterization of pultruded FRP composite.
11	Mr. SACHIN RATHORE	Synthesis and analysis of Aluminum metal matrix Nano-composite.
		Characterization of machining parameters on material matrix composites.
12	Mr. DEEPAK KUMAR SINGH	Numerical modelling of convective heat transfer of fluid flow over dimpled surfaces.
		Numerical Investigation on ejectors of vapour jet refrigeration system.
13	Mr. ASHOK KUMAR	Scheffler dish design & Development of solar cooker.
14	Mr. RANJEET KUMAR	Design and analysis of flapping wing.
		Design and fabrication of hand pump operated water purification system
15	Mr. KULDEEP SINGH	Use of Micro-jet for active separation controls & diffuser.
		Estimation of self healing efficiency in Polymeric material by TDCB Specimen.
16	Mr. NITIN SHARMA	Modeling of Industrial worker's performance and ergonomics to increase the productivity & workability.
		Optimization of cutting parameters for difficult to machine aluminum alloy.
17	MS. KUMARI ARCHANA	Fabrication and characterization of Aluminum 6061 metal matrix with ceramics.
		Effect of welding parameters of bead geometry of composite matrix.
19	Ms. NEHA BHADAURIA	Study of microstructure and mechanical properties of nano-composite.
		Preparation of composite filler wire for surfacing of aluminum and study their mechanical properties.
20	Mr. AMIT KUMAR MISHRA	Ergonomics design for consumer centered product using comfort predictor
		Design and Analysis of Fin in Automobile field.
21		Setup for rotational abrasive flow machining

	Mr. JITENDAR KUMAR SINGH	To study and optimize DRAG reduction system in formula car (4 wheeler)
22	Mr. PRASHANT VASHISHTHA	Optimization of parameters of stir casting to obtain uniform dispersion of SIC into Al alloy. Case study of application of six sigma in mechanical engineering
23	MR. SOMESH AGARWAL	Using diagnosis of remaining useful life estimation of bearing. Experimental investigation of Pelton wheel turbine running on compressed air.
24	Mr. ASHISH KUMAR SINGH	An analysis of performance of single cylinder diesel engine fuel with octonal and diesel
25	Mr. VIPUL VIBHANSHU	Optimization of VCR engine using alternative fuel. Designing, Fabrication and Physical validation of Ergonomic on Mechatronic wheelchair for physically disabled people.
26	MS. SMRITI MISHRA	Analysis and fabrication of Die Sink EDM. Forward and backward integration of supply chain management to increase productivity
27	Mr. VIVEK PATHAK	Bladeless Fan
28	Mr. PIYUSH PANT	Experimental study of material removal rate and surface roughness in WEDM process using artificial neural network.
29	Mr. RAJESH PATEL	Optimum selection of WELD cross section using AHP method. Design and analysis of plastic mould die and optimization runner cross-section using AHP method.
30	Mr. NAVIN KUMAR	Zero Degree turning radius car.
31	Mr. Neearj Kumar	Unified wheel opener Design and Development of multipurpose spy robot.
32	Mr. Gurpreet Singh	To study the wear behavior of aluminum base MMC.