



BBDNIIT

AKTU CC: 056

BABU BANARASI DAS

NORTHERN INDIA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

Affiliated to Dr. A.P.J. Abdul Kalam Technical University (AKTU College Code: 056)

Approved by All India Council for Technical Education (AICTE)

Sector II, Dr Akhilesh Das Nagar, Faizabad Road, Lucknow (UP) – India, 226028

Institute Vision

To establish a multi-disciplinary environment with excellence in technical education and research for developing competent professionals who meet the challenges of industrial and societal development with human values and ethics.

Institute Mission

- M1.** To provide an excellent environment with supporting infrastructure to prepare globally competent professionals acceptable to industry and society.
- M2.** To inculcate a spirit of research, innovation and entrepreneurship by exposing multi-disciplinary approach.
- M3.** To motivate aspiring graduates to solve real life problems with zeal of lifelong learning.
- M4.** To imbibe a healthy environment which helps to develop intellectual capabilities among graduates to transform them into professionals with human values and ethics.

BEST PROJECTS

ACADEMIC SESSION :2023-24					
SR. NO.	PROJECT TITLE	NAME OF STUDENTS	UNIVERSITY ROLL NUMBER	NAME OF SUPERVISOR	ABSTRACT
1	"DESIGN & FABRICATION OF SEMI-AUTOMATIC NOODLE MAKING MACHINE "	MOHD ALTAMASH	2100560409004	MR. ANKUR SRIVASTAYA (Assistant Professor)	The project focuses on designing and fabricating a semi-automatic noodle making machine to reduce manual effort and improve production efficiency. The machine integrates dough feeding, shaping, and cutting operations into a compact system. It aims to provide uniform noodle quality, faster production, and improved hygiene at low cost.
		KAUSHAL SAGAR	2100560409003		
2	" DESIGN & FABRICATION OF VAPOUR ABSORPTION REFRIGERATION SYSTEM "	ABHISHEK MAURYA	2000560400001	MR. Bramha Singh (Assistant Professor)	The project involves the design and fabrication of a vapour absorption refrigeration system using heat energy as the primary driving source. The system is developed to reduce electrical energy consumption compared with conventional vapour compression refrigeration. Its performance is evaluated in terms of cooling capacity, coefficient of performance, and energy efficiency.
		JEEVESH SADHWANI	2000560400005		
3	" ELECTRIC POWER VEHICLE "	PRAHLAD SINGH	2100560408001	DR . NAGENDRA KUMAR MISHRA (Professor & Head)	The project focuses on the design and development of an electric power vehicle using an electric motor and rechargeable battery system. The vehicle aims to provide efficient, economical, and environmentally friendly transportation with reduced emissions. Its performance is assessed based on speed, range, power consumption, and overall operating efficiency.
		ADARSH KUMAR PATHAK	2000560400002		



ACADEMIC SESSION :2024-25					
SRL. NO.	PROJECT TITLE	NAME OF STUDENTS	UNIVERSITY ROLL NUMB	NAME OF SUPERVISOR	ABSTRACT
1	" MODEL FOR ADDRESSING MANUAL MANHOLE SCAVENGING "	ASHWIN VERMA	2100560400003	MR. P.K. MALL (Assistant Professor)	The project focuses on developing a model to eliminate manual entry into manholes during cleaning and maintenance operations. The system aims to provide a safer and more hygienic alternative by using suitable mechanical mechanisms for waste removal. It helps reduce health hazards, improve cleaning efficiency, and protect sanitation workers.
		VEDANSH SHARMA	2200560409002		
2	" DESIGN & FABRICATION OF MOBILE FIRE SUPPRESSION UNIT "	DEEPAK KUMAR	2100560400006	MR. ANKUR SRIVASTAVA (Assistant Professor)	The project involves the design and fabrication of a mobile fire suppression unit for rapid response to fire emergencies. The unit is designed for easy transportation and effective delivery of fire-extinguishing agents to the affected area. It aims to improve firefighting efficiency, accessibility, and safety in different working environments.
		SURYAKANT YADAV	2100560400010		
3	" DESIGN AND FABRICATION OF SPOT WELDING MACHINE "	AMAN YADAV	2100560400001	DR . NAGENDRA KUMAR MISHRA (Professor & Head)	The project focuses on designing and fabricating a spot welding machine for joining metal sheets through localized resistance heating. The machine provides controlled welding with reduced material consumption and shorter processing time. It aims to achieve reliable joints while offering a simple, economical, and efficient welding solution.
		SAMEER AHMAD	2100560400008		



ACADEMIC SESSION :2025-26					
SRL. NO.	PROJECT TITLE	NAME OF STUDENTS	UNIVERSITY ROLL NUMB	NAME OF SUPERVISOR	ABSTRACT
1	"DESIGN AND FABRICATION OF ELECTRIC FOLDABLE TRICYCLE "	PRASHANT KUMAR SINGH	2200560400011	DR . NAGENDRA KUMAR MISHRA (Professor & Head)	The project focuses on designing and fabricating an electric foldable tricycle for convenient and eco-friendly transportation. The tricycle incorporates an electric drive system and foldable mechanism for easy operation, storage, and portability. It aims to provide safe, energy-efficient, and economical mobility for users in urban environments.
		AKASH KUMAR	2200560400001		
		ASIF AHMAD	2200560400006		
2	"DESIGN AND FABRICATION OF PLASTIC SHREDDER AND EXTRUDER MACHINE"	YASH SHARMA	2200560400016	MR. ANKUR SRIVASTAVA (Assistant Professor)	The project involves designing and fabricating a machine for shredding waste plastic and converting it into reusable extruded material. The system integrates shredding and extrusion processes to support efficient plastic recycling and material recovery. It aims to reduce plastic waste, promote reuse, and provide a low-cost recycling solution.
		ANAND KUMAR YADAV	2300560409003		
		ANSHU MAURYA	2300560409004		
3	SOLAR POWERED OUTDOOR AIR PURIFIER	KM. ARTI VISHWKARMA	2300560409005	MR. P.K. MALL (Assistant Professor)	The project focuses on developing a solar-powered outdoor air purification system using renewable energy. The system utilizes solar power to operate air-cleaning components for reducing particulate pollutants and improving ambient air quality. It aims to provide an energy-efficient, sustainable, and low-maintenance solution for outdoor air purification.
		SHRIKANT MISHRA	2300560409009		
		AMBER SRIVASTAVA	2300560409002		

