



**AMC ENGINEERING COLLEGE  
BENGALURU-560083**

**Mobilisation of Resources-Funds received from Projects**

<b>Academic Year</b>	<b>Funds received for project</b>	<b>Amount</b>	<b>Total</b>
2018-19	Design and Fabrication of oil extraction machine from Jatropha seeds for bio-diesel	7000	151000
	Design and fabrication of a parabolic trough solar collector employing numerical model for radiation heat transfer	10000	
	Design and development of a radio_controlled, crash proof, drone aircraft capable of gliding and partially driven by a battery-run propeller and partially driven by air jet propulsion for use in agriculture activities and as surveillance device.	9500	
	3D Printing advanced automated prosthetic limb	18000	
	Design and fabrication of pedal operated E-Tricycle with auto charging	9000	
	Design and Fabrication of biodegradable sizzle fibre extractor	9000	
	Design and development exoskeleton to carry a defined payload	8000	
	Design and development of automated food plate management system for dinning halls ( Distribution and disposal )	9000	
	Performance and emission characteristics by extracting chicken fat oil from chicken fat and blends in CI engine	7000	
	Development and performance evaluation of sustainable ECO-friendly mushroom based material for packaging application	7000	
	Fabrication of bio composite pipe using Bamboo fiber/straps	6000	
	Design and fabrication of eight stroke engine	8000	
	Development and mechanical-wear characterization of AL2024-nano B4C composites for aerospace applications	6000	
	Design and Fabrication of food grain handling and bagging machine	5000	
	Generic Algorithm for fleet planning and scheduling for public transportation, Nano Kernel Ltd, Dr. Latha C A, 2018	32500	

2017-18	Design and Fabrication of Motorized Semi-Automatic Stairclimbing Wheelchair	8000	114790
	Visualization and Analysis of Combustion Characteristics of Fuel in an Internal Engine	6000	
	Design and development of a portable electromagnetic stent to avoid by-pass / open heart surgery	6000	
	Fabrication of oil extractor from Pongamia seeds for biodiesel	13000	
	Utilization of Simarouba seed cake and Spent wash for the production of biogas	6000	
	Advanced Automated Prosthetic Leg production of biogas	9000	
	Experimental investigation of turbulent flow and mixing of two fluid streams at different temperatures in T-Junction of circular duct for validation of numerical Simulation	6000	
	Mobile App to help Visually Impaired people, AMCEC Management Funded projects, Guide: Dr. Asha S Manek, 2018	10750	
	Smart phone controlled Wheel chair for senior citizens and Disabled projects, AMCEC Management Funded projects, Guide: Dr. Asha S Manek, 2018	5640	
	Student Assistance System, AMCEC Management Funded projects, Guide: Mr. Ananata Nagu, 2018	2500	
	AMC College Android App: CourseSmart, AMCEC Management Funded projects, Guide: Dr. Asha S Manek, 2018	3900	
	Hambre: An initiative to reduce Hunger, VTU Student Project Proposal Scheme, Guide: Prof. Nandita B, 2018	5000	
	An Intelligent System for Prediction to Track Patients with Alzheimer's Disease and Lost Objects, KSCST Student Project Proposal 41st Series 2017-18, Guide: Prof. Srividya V R	5000	
	AirpolutEst: An Intelligent System for Prediction of Air Pollution using Sensors, VTU Student Project Proposal Scheme, Guide: Dr. Asha S Manek, 2018	5000	
	Design and Development of a Voice based Writing Machine for Disabled ARM People.	6000	
	A Novel Approach for Construction of Key Exchange Protocols Using NFC Card Guide: Mrs. Srushti C	5000	
GSM based Automatic Driver Drowsiness alert system GSM based Automatic Driver Drowsiness alert system Guide: Mrs Pavithra N	5000		
Sustainable Development Strategy for Kalkere Village a KSCST Student Project.	7000		

2016-17	Design of bird scaring machine using wind power	7000	68000
	Automated prosthetic leg	8000	
	Design and analysis of wing root fitting made by B4C reinforced aerospace alloy AA2014	6000	
	Fabrication of selective catalytic reduction (SCR)	8000	
	Production and quality testing of briquette fuels from Simarouba and Jatropa seed shell by mixing seed cake.	11500	
	Shopping by Blind People: Detection and Interaction in Ambient Assisted Living Environment using RFID KSCST Student Project Proposal 40th Series 2016-17	5000	
	Automation of Robot for Pedicle Screw Fixation.	6500	
	Performance Evaluation of Electro coagulation in Removal of Hexavalent Chromium from Aqueous Solution	7000	
	IRNSS Enabled Study of Ingression of Waste Water in Vrishabhavathi Valley & Recycling Strategy	4000	
	Android Application for Shopping for Visually impaired	5000	
2015-16	Magnetically levitated vertical axis wind turbine	40000	61000
	Influence of Temperature and Polymer Processing Additives in Recycled Combined HDPE and LLDPE Polymer Matrix Composite Pipes	7000	
	Design and Development of Composite Material using Sida Acuta Burf. M (Malvaceae Plant)	7000	
	Design and Development of Cost Effective Prosthetic Add on for Human Limb/Knee	7000	
	Acetylene kit for 2-wheelers	30000	
2014-15	Acetylene kit for 2-wheelers	30000	30000
<b>Total</b>			<b>424790</b>

  
 PRINCIPAL  
 PRINCIPAL  
 AMC ENGINEERING COLLEGE  
 BENGALURU - 560 083.