

## Details of Grants received

**KALPATARU INSTITUTE OF TECHNOLOGY TIPTUR**  
**MECHANICAL ENGINEERING DEPARTMENT**  
**STUDENTS SPONSORED PROJECTS**



#	ACADEMIC YEAR	PROJECT TITLE	NAMES OF THE STUDENTS	NAME OF THE GUIDE	AMOUNT	SPONSOR
01	2005-06	Domestic Dish Type Concentrating Collector Solar Cooker Cum Water Heating System Using Automatic Tracking Mechanism	Mr. Shankarnag M N Mr. Shashidhara K N Mr. Kantharaju K	Sri. Manjunath.M	4000.00	KSCST Bangalore
02	2005-06	Robot Arm Operated By Binary Iterative Navigation	Mr. Navin K IPE Mr. Ravikumar B R Mr. Arun Jacob	Sri. Mruthyunjaya.M	3500.00	KSCST Bangalore
03	2006-07	Solar Refrigerator	Mr. Balaji Singh B Mr. Nagaraju K Mr. Joel Nickson M Miss. Pavithra M R	Sri. Kanchiraya S	5500.00	KSCST Bangalore
04	2006-07	Study of Tool tip Temperature	Mr. Dudakai K R Mrs. Nishanth Gaurav Mr. Avinash Parashar	Sri. Basavarajappa M P	4000.00	KSCST Bangalore
05	2007-08	Hydrogen as an alternative fuel for I C engines	Mr. Kiran S Mr. Santhosh G A Mr. Santhosh S Mr. Vageesh A R M	Prof. G. R. Vijayaswamy	5000.0	KSCST Bangalore
06	2007-08	Preparation and performance test of Karanja oil	Mr. Mujeeb Mr. Pratap L Mr. SunilKumar M Mr. Syed Moinuddin	Sri. Vishwanatha B. M.	4500.00	KSCST Bangalore
07	2007-08	Water purifier for drinking water using solar	Mr. ChethanKumar C M Mr. Gowrish B H Mr. SanthoshKumar C S Mr. Vikram K G	Sri. Kanchiraya S	3500.00	KSCST Bangalore

08	2008-09	Domestic solar water Heater by using thermal Fluid	Mr. Praveen Kumar K E Mr. Subramanya H Mr. Sudhakara G Mr. Vishwanatha G S	Sri.T S Mahesh	5000.00	KSCST Bangalore
09	2008-09	Passive indirect type solar – coconut dryer	Mr. Adarsha J B Miss Bhavya K S Miss Pavana B S Mr. Prashanth K S	Sri.Manjunath M R	5500.00	KSCST Bangalore
10	2010-11	Experimental study of effect of TBC (TiO <sub>2</sub> ) on Diesel engine performance	Mr. Teerthkumar G Mr. Suhas Bhat R Mr. Mohankumar V Mr. Sunilkumar	Sri. Basavaraj Ganiger	7000.00	KSCST Bangalore
11	2013-14	Extraction Of Water From Atmospheric Moisture	Mr. Tippeswamy JB Mr. Praveen Kumar B S Mr. Sandeep G P Mr. Rudresh M P	Sri. Nataraj K H	4500.00	KSCST Bangalore
12	2014-15	Development of portable micro refrigeration system using peltier effect for medical applications	Mr. KiranKumar T S Mr. Chandan R Mr. NarayanGowda A Y Mr. Sanjay Kumar S J	Sri. Mallikarjuna G B	5000.00	KSCST Bangalore
13	2014-15	Modification of Automated Guided Vehicle	Mr. Prakash Reddy V D Mr. sripathi Mr. Praveena G Mr. Nagaraja M K	Sri. Basavaraj Ganiger	5000.00	KSCST Bangalore
14	2015-16	Multipurpose Agricultural Equipments	Mr. Deepaik M	Sri. Mallikarjuna G B	3500.00	KSCST Bangalore
15	2016-17	Fabrication of Hover Bike	Mr. Bharath S V Mr. C M Shashidhara Mr. Karthik Gururaj Shet Mr. Manjunath G	Dr. Kiran T. S.	7000.00	KSCST Bangalore
16	2016-17	Study on Entrepreneurial Opportunities in Biodiesel Production from Waste Coconut Oil & its Utilization in Diesel Engine	Mr. Chougala Mr. Mallesh A N Mr. Nikhil T Miss. Asha R	Manjunath Channappagoudra	9000.00	KSCST Bangalore
17	2017-18	Design and Fabrication of Tender Coconut and Matured Coconut Processing Unit	Mr. Praveen K S Mr. Rangegowda N G Mr. Siddesh S Mr. Srinivasa K M	Mr. Manjunath Channappagoudra	8000.00	“Best Project of the Year 2017-18 (41 <sup>st</sup> Series)” KSCST- Bangalore

18	2018-19	Design and Fabrication of paddy threshing and dehusking machine	Ajay Kumar K S Basavanagowda Somalinga Konaraddy Karthik J Kirankumar C J	Mr Ajay C K	8000.00	KSCST Bangalore
19	2018-19	Development of thermic fluid evacuated tube for solar collector system	Chidananda Murthy D L Jyothi M R Kiran B U Priyanka K	Mr Anil.K	8000.00	KSCST Bangalore
20	2018-19	Design and Fabrication of leaf logger making machine for biofuel	B Santhosh Basavaraja K Manohara Nagappa Patil Manoj Kumar C N	Dr. Viswanatha B.M.	9000.00	KSCST Bangalore
21	2019-20	Aracanut Tree Climbing And Cutting Machine	Kusuma K M Nagaraj B Nandeesh K V Ranganatha N V	Mr. Rohith Kumar H V	6000.00	KSCST Bangalore
22	2019-20	Automatic Water Tank Cleaning Machine	Sundar K L Syed Suhail Varshithgowda M Firoz Pasha Z	Mr. Brijesh C Mr. Mallikarjuna G B	5500.00	KSCST Bangalore
23	2020-21	Low-Cost Ventilator For Covid-19 Patients	Mr. Swsthi M S Mr. Lakshmi Sagar N R Mr. Vinay S Mr. Vinod Ta	Prof. Mahanthes G	7000.00	KSCST Bangalore
24	2020-21	Coconut Dehusking Machine	Mr. Arjun L Mr. Rakesh M Mr. Hemanth Kumar B P Mr. Dhanush S P	Prof. Aradhya S M	6000.00	KSCST Bangalore
25	2022-23	Electric Street Cart with ECO-Fridge System	Mahendra P Mohammed Maaz Mohammed Musaib <b>Monika M S</b>	Mamata Sarangamath	7000.00	KSCST Bangalore

26	2022-23	Contactless Air Conveyor	Pramod N S Arunkumar B P Sharath C S Naveen G N	Mr. Mahanthes G	7000.00	KSCST Bangalore
27	2022-23	Arecanut Harvesting and Spraying Machine	Jasim Mohammed M Shakthi Singh Chib Yashwantha N Yathish H M	Mr. Dileep H B	7000.00	KSCST Bangalore
28	2022-23	Design & Fabrication of Electric GO-Kart	Shubhank M D Prajwal P G Sameer Pasha M D Sanjay N	Mr. Sandeep K	7000.00	KSCST Bangalore
29	2023-24	Design and Fabrication of Two Wheeler for Agricultural Applications.	GaneshRaikar Kiran K N Nidumanahalli Sheshe Gowda Karthik Sadashiva S	Mr. Ajay C K	7000/-	KSCST Bangalore

### Student project sponsored by VTU, Belagavi

Sl No	Year	Name of the Guide	Name of Students	Project Title	Granted Amount (Rs.)
01	2017-18	Dr. Kiran T S	Chethan M Krishnananda Malla Gond Likhithkumar K S Vinutha B R	Prototype of vacuum cleaner on railway track	5000.00
02	2017-18	Mr. Siddalingaprasad T S	Akshay K C Ashok Patel Deepak G Gurumurthy G S	Design and development of solar powered bicycle	5000.00
03	2018-19	Dr. Viswanatha B.M.	B Santhosh Basavaraja K Manohara Nagappa Patil Manoj Kumar C N	Design and Fabrication of leaf logger making machine for biofuel	5000.00
04	2018-19	Mr. Mahanthesh G	Abhilash K P Kiran Naik Kushal Kumar T P Manasa G	Semi automated baby plant planting machine	5000.00
05	2018-19	Mrs. Naveen Kumari M E	Bhavana G S Pooja Y S Harshith D Hemanth H P	FDM based delta 3D printing machine	5000.00
06	2019-20	Dr. Viswanatha B.M.	Nuthan D R Sanjay H C Sriharsha R E Vikasa P J	Compressed air generation	5000.00
07	2019-20	Mr. Aradhya S M	Sitharam Deshapande Adarsha A G Mahesh S R Manoj S G	Design and development of waste plastic recycling machine	5000.00

08	2021-22	Mr. Harikesh C R	Varun K Ramani Moksha B Y Mdhukeshava S Darshan Palegar S	Handling of Medical Equipments and Other During COVID-19 Pandemic Situation In a Robotix Arm Using Soft Actuator	8000.00
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### Vision Group of Science and Technology, Govt. of Karnataka

Principal Investigator	Sponsoring agency	Amount Sanctioned (Rs.Lacs)	Amount Released (Rs.Lacs)	Duration (Start date-End date)	Name of the project
Dr. T M Chandrashekaraiiah	VGST (Govt. of Karnataka)	20,00,000 (K-FIST Level II)	<b>10,00,000</b> <b>10,00,000</b>	Jan. 2015- Oct 2018	To Provide Infrastructure Research work on Tribological studies
Dr. Viswanatha B M	VGST (Govt. of Karnataka)	30,00,000 (CISEE-Scheme)	<b>10,00,000</b>	Sept. 2018	To strengthen the infrastructure to carryout research work on Energy Conversion Engineering laboratory