

Karnataka State Council for Science and Technology (KSCST)

Indian Institute of Science campus, Bangalore-560012

42nd Series of Student Project Programme: 2018-19

List of projects sanctioned:

Sl. No	Project Title	Branch	Guide Name	Team Leader	Sanctioned Amount (Rs.)
1	Development of rough terrain vehicle using rocker bogie mechanism	Mechanical Engineering	Dr.K.M.Sathish Kumar	Mr.P. Darshan raju	6500/-
2	Fabrication and analysis of solar updraft tower	Mechanical Engineering	Mr.G.L.Anatha Krishna	Mr.Sagar S	7000/-
3	Multi functional robot for spraying pesticides and harvesting Aracanut	Mechanical Engineering	Dr.Shreya Banerjee	Ms.T.Uma vidya	6000/-
4	Design and fabrication of thermo electric refrigerator	Mechanical Engineering	Mr.Keerthi Kumar.N	Mr.Srinath M	7500/-
5	Home Based Compost Machine	Electronics and Communication Engineering	Dr.Seema Singh	Ms.Saraswathy V	6000/-
6	Real time accident detection through surveillance cameras	Electronics and Communication Engineering	Mrs.Shashikala. J	Mr.Sanjith R	6500/-
7	Computer Mouse Control for Physically Challenged Using Brain Signals (BCI)	Electrical and Electronics Engineering	Mrs.Suma Umesh	Mr.Abdul Azeez Khan	7000/-
8	Human Assisting Robot	Telecommunication Engineering	Dr.Jayadeva.G.S	Mr.Anirban	5000/-
9	Sewage turbines: Effect of quality of treated water on hydro power generation	Civil Engineering	Mrs.Archana K	Mr.Vinay M. S	12000/-
10	Optimisation of concrete mix design for 3-D printing	Civil Engineering	Mr. Shreedhara B.M	Mr.Dinesh M	6000/-
Total Amount					69,500/-

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41st Series of Student Project Programme: 2017-18

List of projects sanctioned:

Sl. No	Project Title	Branch	Guide Name	Team Leader	Sanctioned Amount (Rs.)
1	Study The Implementation Of Biomimetics In Anthropomorphic Robotics	Information Science and Engineering	Dr.Manjunath T N	Mr.Shankar Kantharaj	5000/-
2	Developing ERP For All Calibration Services For Flutech Engineering Pvt. Ltd	Information Science and Engineering	Mrs.Ashwini N	Mr.Sai Dutt	7000/-
3	Design And Fabrication Of A Piezoelectric Gripper Type End Effector	Mechanical Engineering	Dr.Shreya Banerjee	Mr.K V Sheshadri	6000/-
4	Development Of Flexible Jib Crane	Mechanical Engineering	Mr. Yashavantha Kumar	Mr.Kiran Karagi	4500/-
5	Dual Foot Configured Pedestrian Navigation System Using OBLU	Electronics and Communication Engineering	Mr.KVS Hari	Ms.Tanya Kuruvilla	4000/-
6	Retrofitting Of Damaged Reinforced Concrete Compression Members (Short Columns) Adopting RC Jacketing Technique	Civil Engineering	Dr.Guruprasad Y K	Mr. Somashekar R Dasai	7000/-
7	Sewage Turbines: Pico Hydropower Opportunities From Treated Sewage Water	Civil Engineering	Mrs.Archana K	Mr.Harshita S	7000/-
Total Amount					40,500/-

Also the above list of projects were selected (except Sl no. 3) for state level seminar and exhibition held at Bapuji Institute of Engineering and Technology, Davengere on 10th & 11th of August 2018.

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40th Series of Student Project Programme: 2016-17

Sl. No	Project Title	Branch	Guide Name	Team Leader	Sanctioned Amount (Rs.)
1	Retrofitting Of Reinforced Concrete Beam Having Shear Deficiency Using Glass Fiber Reinforced Polymer	Civil Engineering	Dr.Guruprasad Y K	Mr.Arjun Poudel	6000/-
2	Determination Of Water Quality Parameters For Purification Of Water Using Imaging Spectrometry	Computer Science and Engineering	Dr.Thippeswamy G	Ms.Kavana M	4500/-
3	Exhaust Gas Carbon Monoxide Concentration Monitoring Using Solar Power	Electrical and Electronics Engineering	Mr.Prashant A Athavale	Mr.K V Sheshadri	6000/-
4	Burglar Image Capturing And Antitheft System	Electronics and Communication Engineering	Dr.H C Hanmanthraju	Mr.Varun R	6000/-
5	Unmanned 2 Wheeled Robotic Mobility Assistance Using Feedback Linearization	Electronics and Communication Engineering	Mr.Saneesh Cleatus T	Mr.Sharan Hegde	6000/-
6	Waste Segregation System Using Artificial Neural Network	Electronics and Communication Engineering	Dr.Seema Singh	Ms.Shalini Rangothaman	5000/-
7	Developing ERP For Torque, Dimension And Electrical Calibration For Flutech Engineering Pvt .Ltd	Information Science and Engineering	Mrs.Ashwini N	Mr.Dheeraj A S	4000/-
8	Design And Implementation Of Real Time Wireless System For Vehicle Safety And Vehicle To Vehicle Communication	Telecommunication Engineering	Mr.Mallikarjun Gowda C P	Mr.Anuj R Nadig	5000/-
Total Amount					42,500/-

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39th Series of Student Project Programme: 2015-16

Sl. No	Project Title	Branch	Guide Name	Team Leader	Sanctioned Amount (Rs.)
1	Implementation Of Photoximeter	Civil Engineering	Dr.Guruprasad Y K	Mr.Arjun Poudel	6000/-
2	Napkin & Tissue Paper Destroyer	Mechanical Engineering	Mr.R G Deshpande	Ms.Mariam Tahoorra	6000/-
3	Eco- Friendly Cryo Power Cool Engine	Mechanical Engineering	Mr.Keerthi Kumar	Mr.Aayushman Harish Narayan	5000/-
4	RFID Beacons For Vehicle Tracking With Crowd Generated Data	Computer Science and Engineering	Dr.Thippeswamy G	Mr.Suraj Kumar Jana	3000/-
5	Smart Asthama Inhaler	Computer Science and Engineering	Mrs.Srivani	Ms.Maduri K Prasad	3000/-
6	Krishi-An Interface For Indian Farmer	Computer Science and Engineering	Dr.Thippeswamy G	Ms.Deepthi Reddy	3000/-
7	Design Of Smart Home Using Internet Of Things	Information Science and Engineering	Mr.Chandrashekar L T	Mr.Prawal Shetty	3000/-
8	Transformer Inrush Current Detector	Electrical and Electronics Engineering	Mrs.Manjula B K	Mr.Charan reddy	4000/-
Total Amount					33,000/-