

# New Horizon College of Engineering

Sponsored Research Projects for the Year 2021-22

SL.NO	Financial Year	Name of the Faculty (Principal Investigator)	Name of the Funding Agency	Title of the Project	Sanctioned Order No.	Sanctioned Date	Amount Received (in Rupees)	Amount Received in words
1	2021-22	Dr. Rajalakshmi Dr. Meenakshi Sundaram(Transferred from Dr.Arun Babu)	Cyber Sec - KSCST, Government of Karnataka	Authentication and Access control for IoT Applications	KSCST/COE-CS/597	25-01-2022	<b>60,000.00</b>	Sixty Thousand Only
2	2021-22	Dr. Sheelan Mishra	AICTE,Govt of India	SPDC Scheme	65-12/RIFD/SPDP/Policy-1/2016-17	31-01-2022	<b>11,74,988.00</b>	Eleven Lakh Seventy Four Thousand Nine Hundred and Eighty Eight
3	2021-22	Dr. R Thirukkumaran	AICTE,Govt of India	Mentor-Mentee Program for IIC institutions2021-22	F.NO: Innovation/Mentor Mentee Scheme/596/202	09-12-2021	<b>2,25,000.00</b>	Two Lakh Twenty Five Thousand Only
4	2021-22	Dr. Shridhar Kurse	AICTE - ATAL FDP,Govt. of India	Electric & Hybrid Vehicles- Designed, Integration And Challenges	F.No.2-23/AICTE/ATAL-HQ/2021-22/2087	09-12-2021	<b>93,000.00</b>	Ninety Three Thousand Only
5	2021-22	Dr.Gopal K	AICTE - ATAL FDP,Govt. of India	Alternate Fuels	F.No.2-23/AICTE/ATAL-HQ/2021-22/2038	22-11-2021	<b>93,000.00</b>	Ninety Three Thousand Only
6	2021-22	Dr. Sanjeev Sharma	AICTE - ATAL FDP,Govt. of India	Internet Of Things (IOT)	F.No.2-23/AICTE/ATAL-HQ/2021-22/1294	27-07-2021	<b>93,000.00</b>	Ninety Three Thousand Only
7	2021-22	Dr. Mohandas R	AICTE - ATAL ,Govt. of India	Control Systems And Sensor Technology	F.No.2-23/AICTE/ATAL-HQ/2021-22/1856	06-07-2021	<b>93,000.00</b>	Ninety Three Thousand Only
8	2021-22	Dr. Anusuya Devi V S	Vision Group of Science & Technology , Govt. of Karnataka	Materials for energy application	KSTePS/VGST/2020-21/FDP-Eng./4/14/2021/768	04-10-2021	<b>2,00,000.00</b>	Two Lakh Only
9	2021-22	Dr. Giri Prasad C / Dr. Niranjan P S	Vision Group of Science & Technology , Govt. of Karnataka	A Comprehensive Analysis Of Spt -Cpt Correlation For Soil Modulation In Bengaluru City	KSTePS/VGST/RGS-F/GRD-985/2020-21/109	26-08-2021	<b>3,00,000.00</b>	Three Lakh Only
10	2021-22	Dr. Sanjeev Sharma, Dr. Gurulakshmi, Mr. Vaibhav V Prabhu	Vivesvaraya Technological University ,Belagavi	Sustainable Agriculture Solution for Mulberry Cultivation (Ongoing Project)	VTU/BGM/Aca/A-12/VTU RGS/DIS-EEE/2021-22/606	02-03-2022	<b>15,00,000.00</b>	Fifteen Lakh Only
11	2021-22	Dr.Revathi Dr.Prashanth	Vivesvaraya Technological University ,Belagavi	Eco Friendly Polymer MWCNT- hBNPs-Ferrite nanocomposite films for EMI Shielding	VTU/BGM/Aca/A-12/VTU RGS/DIS-Physics/2021-22/	18-02-2022	<b>7,00,000.00</b>	Seven Lakh Only

12	2021-22	Mr. Karthik A V	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Experimental Investigation Of Exhaust Gas Recirculation In Diesel Engine Using Waste Cooking Oil As Alternative Fuel	Ref: 7.1.01/SPP/91	11-05-2022	<b>7,000.00</b>	Seven Thousand Only
13	2021-22	Prof. Surendra B V Dr. P S Niranjan	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	A Study On Use Of Waste Plastic As Plastic Brick	Ref: 7.1.01/SPP/91	11-05-2022	<b>6,000.00</b>	Six Thousand Only
14	2021-22	Dr. B Meenakshi Sundaram Dr. Rajalakshmi B	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Disaster Relief Compensation Computational Framework	Ref: 7.1.01/SPP/91	11-05-2022	<b>5,000.00</b>	Five Thousand Only
15	2021-22	Dr. Vaishali M Deshmukh	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Autonomous Envoy: End-To- End Solution For Self-Driving Vehicles Using Deep Learning Methods	Ref: 7.1.01/SPP/91	11-05-2022	<b>6,000.00</b>	Six Thousand Only
16	2021-22	Mr. Santosh Kumar Dr. R. Senthil Kumar R.	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Drone Clean-Zilla	Ref: 7.1.01/SPP/91	11-05-2022	<b>6,000.00</b>	Six Thousand Only
17	2021-22	Ms. Soja Rani S Dr. Vaishali M Deshmukh	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Secure Quadcopter Delivery	Ref: 7.1.01/SPP/91	11-05-2022	<b>5,000.00</b>	Five Thousand Only
18	2021-22	Dr. Senthil Kumar Dr. B Rajalakshmi	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Anemia Testing For Patients Using Machine Learning	Ref: 7.1.01/SPP/91	11-05-2022	<b>6,000.00</b>	Six Thousand Only
19	2021-22	Ms. Lakshmi S Hanne Mr. Thirukkumaran	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Customer Attrition Using Machine Learning Algorithms	Ref: 7.1.01/SPP/91	11-05-2022	<b>5,000.00</b>	Five Thousand Only
20	2021-22	Mr. Geluvaraj B	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Deep Trash	Ref: 7.1.01/SPP/91	11-05-2022	<b>4,000.00</b>	Four Thousand Only
21	2021-22	Ms. Revathi S	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Sound Mind: Detecting Depression And Anxiety In Humans	Ref: 7.1.01/SPP/91	11-05-2022	<b>3,000.00</b>	Three Thousand Only
22	2021-22	Ms. Revathi.S Dr. Pamela Vinitha Eric	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Neural Eyes : A Study On Cnn And Svm	Ref: 7.1.01/SPP/91	11-05-2022	<b>3,000.00</b>	Three Thousand Only
23	2021-22	Ms. R Suganya	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Implementation Of Sleep Apnea Disorder Using Smart T- Shirt	Ref: 7.1.01/SPP/91	11-05-2022	<b>4,000.00</b>	Four Thousand Only
24	2021-22	Ms. Devi Naveen	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Landslide Detection	Ref: 7.1.01/SPP/91	11-05-2022	<b>4,000.00</b>	Four Thousand Only

25	2021-22	Ms. Yogitha Dr. S J Subhashini	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	REVIEW ON LANE AND OBJECT DETECTION FOR ACCIDENT PREVENTION IN AUTOMATED CARS	Ref: 7.1.01/SPP/91	11-05-2022	<b>6,000.00</b>	Six Thousand Only
26	2021-22	Dr. B. Meenakshi Sundaram	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Video Anomaly Finder	Ref: 7.1.01/SPP/91	11-05-2022	<b>4,000.00</b>	Four Thousand Only
27	2021-22	Ms. Jayashree M Dr. Meenakshi Sundaram	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Critical Evaluation Of Snmd'S In Social Media	Ref: 7.1.01/SPP/91	11-05-2022	<b>4,000.00</b>	Four Thousand Only
28	2021-22	Ms. Smitha S P	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Abnormal Event Detection	Ref: 7.1.01/SPP/91	11-05-2022	<b>4,000.00</b>	Four Thousand Only
29	2021-22	Ms. Smitha S P	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Skin Cancer Detection And Classification	Ref: 7.1.01/SPP/91	11-05-2022	<b>5,000.00</b>	Five Thousand Only
30	2021-22	Mrs. Tinu Ns	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Human Action Recognition Using Emergent Deep Learning Techniques	Ref: 7.1.01/SPP/91	11-05-2022	<b>5,000.00</b>	Five Thousand Only
31	2021-22	Dr. Rachana P	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Pothspy: A Pothole Detector	Ref: 7.1.01/SPP/91	11-05-2022	<b>4,000.00</b>	Four Thousand Only
32	2021-22	Ms. Sasikala N	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Missing Child Identification	Ref: 7.1.01/SPP/91	11-05-2022	<b>4,000.00</b>	Four Thousand Only
33	2021-22	Mr. Lithesh J Dr. Sujitha S	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Artificial Intelligence And Iot Based Traction Motor Drive Condition Motoring In Hybrid Electric Vehicle	Ref: 7.1.01/SPP/91	11-05-2022	<b>8,000.00</b>	Eight Thousand Only
34	2021-22	Mr. Muni Prakash T Dr. Vinoth Kumar K	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Optimization Of Battery Performance In Electric Vehicle	Ref: 7.1.01/SPP/91	11-05-2022	<b>7,000.00</b>	Seven Thousand Only
35	2021-22	Dr. Vinoth Kumar K	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Implementation Of Parameter Estimation Of An Electric Bicycle Using Iot For Village/ Rural/ Disabled Community	Ref: 7.1.01/SPP/91	11-05-2022	<b>7,000.00</b>	Seven Thousand Only
36	2021-22	Dr. Gunapriya B Dr. Vinoth Kumar K	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Solar Driven Vaccine Refrigerator Using Environment-Friendly Refrigerants For Off-Grid	Ref: 7.1.01/SPP/91	11-05-2022	<b>8,000.00</b>	Eight Thousand Only
37	2021-22	Dr. A Singaravelan	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Implementation And Design Of Cobots In Floriculture	Ref: 7.1.01/SPP/91	11-05-2022	<b>7,000.00</b>	Seven Thousand Only



51	2021-22	Dr. Gautam K S Dr. Arvind S Kapse	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Optimization In Solar Energy Harvesting	Ref: 7.1.01/SPP/91	11-05-2022	5,000.00	Five Thousand Only
52	2021-22	Dr. Anandhi R J Mrs. Divya K V	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	E-ಶೈ ವರ್ಣ ಫಂಠಬಲ: E-Hearing Aid	Ref: 7.1.01/SPP/91	11-05-2022	5,000.00	Five Thousand Only
53	2021-22	Dr. Arvind S. Kapse Mrs. Shanmugam Shoba M	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	E-Assistant: Support For Elderly/Parkinson Patients	Ref: 7.1.01/SPP/91	11-05-2022	5,000.00	Five Thousand Only
54	2021-22	Dr. Priyameet Kaur Keer Dr. Sheelan Misra	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Fabrication of Plastics Using Hdpe And Fly Ash (Thermal Waste)	Ref: 7.1.01/SPP/91	11-05-2022	7,000.00	Seven Thousand Only
55	2021-22	Dr. K. G. Madhwaraj Dr. V. Asha	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Web Scraping Using Python	Ref: 7.1.01/SPP/91	11-05-2022	7,000.00	Seven Thousand Only
56	2021-22	Prof. S.P. Sreeja Dr. V. Asha	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Automatic Room Light Controller Using Visitor Counter	Ref: 7.1.01/SPP/91	11-05-2022	6,000.00	Six Thousand Only
57	2021-22	Mr. Vinod Kumar G S	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	E-ಶೈ ವರ್ಣ ಫಂಠಬಲ: E-Hearing Aid	Ref: 7.1.01/SPP/91	11-05-2022	6,000.00	Six Thousand Only
58	2021-22	Dr. Hemanth Raju T	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Development And Wear Characterization Of Al7075-Zircon Particulate Composites For Automotive Applications	Ref: 7.1.01/SPP/91	11-05-2022	7,000.00	Seven Thousand Only
59	2021-22	Mr. Kemparaju	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Design And Fabrication On Fin Tube Heat Exchanger	Ref: 7.1.01/SPP/91	11-05-2022	7,000.00	Seven Thousand Only
60	2021-22	Prof. Vinay D R	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Low-Cost, Eco Friendly Portable Water Filter	Ref: 7.1.01/SPP/91	11-05-2022	6,000.00	Six Thousand Only
61	2021-22	Mr. Chetan Kumar D S Dr. K Dhanalakshmi	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Electricity Generation By A Stirling Engine	Ref: 7.1.01/SPP/91	11-05-2022	5,500.00	Five Thousand Five Hundred Only
62	2021-22	Mr. Santhosh A N Dr. K Gopal	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Design And Fabrication Of Bike Engine Holder	Ref: 7.1.01/SPP/91	11-05-2022	4,000.00	Four Thousand Only
63	2021-22	Mr. Hemanth Raju	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Evaluation Of Mechanical Properties Of Al6061-Al2O3-Zircon Hybrid Metal Matrix Components By Using Stir	Ref: 7.1.01/SPP/91	11-05-2022	6,000.00	Six Thousand Only

64	2021-22	Mr. Vinod Kumar G S	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Automatic Metal Cutting Machine Using Geneva Mechanism	Ref: 7.1.01/SPP/91	11-05-2022	7,000.00	Seven Thousand Only
65	2021-22	Mr. Ravi Kumar M	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Performance And Emission Characteristics Of Piliostigma Thonningii Bio Diesel Powered Generator For Irrigation	Ref: 7.1.01/SPP/91	11-05-2022	8,000.00	Eight Thousand Only
66	2021-22	Prof. Kemparaju C R	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Sos Ring For Women'S Safety Using Bluetooth Low Energy	Ref: 7.1.01/SPP/91	11-05-2022	5,000.00	Five Thousand Only
67	2021-22	Dr. Srinath M K	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Tribological Studies Of Heat Treated Aluminium Silicon Alloy	Ref: 7.1.01/SPP/91	11-05-2022	6,000.00	Six Thousand Only
68	2021-22	Mr. Veerasha G	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Design And Fabrication Of High Pressure Pipe Bending Tool	Ref: 7.1.01/SPP/91	11-05-2022	7,000.00	Seven Thousand Only
69	2021-22	Mr. Hanamant Yaragudri	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Innovative Study Of Evaluation Of Physical And Mechanical Properties Of Polyethylene Based Wood Plastic	Ref: 7.1.01/SPP/91	11-05-2022	6,000.00	Six Thousand Only
70	2021-22	Mr. Ravi Kumar	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Comparative Study On Tool Wear Prediction Based On Machine Learning Techniques.	Ref: 7.1.01/SPP/91	11-05-2022	6,000.00	Six Thousand Only
71	2021-22	Prof. Sudarshan T.A	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Study On Performance And Emission Characteristics Of Fenugreek Oil Blended With Diesel	Ref: 7.1.01/SPP/91	11-05-2022	7,000.00	Seven Thousand Only
72	2021-22	Mr. Srinath M K	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Analysis Of Aluminium 6082 Alloy With Sic Reinforcement	Ref: 7.1.01/SPP/91	11-05-2022	4,000.00	Four Thousand Only
73	2021-22	Prof. Sujeet Swami Prof. Ravi Kumar	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Multipurpose Solar Operated Iot Desalination System For Potable And Agriculture Uses	Ref: 7.1.01/SPP/91	11-05-2022	7,000.00	Seven Thousand Only
74	2021-22	Mr. Ravikumar M Dr. Suma T	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Novel Drying Technique For Avoiding Food Spoilage	Ref: 7.1.01/SPP/91	11-05-2022	7,000.00	Seven Thousand Only
75	2021-22	Mr. Rajesh A	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Vibration Analysis Of An Optimized Aircraft Wing	Ref: 7.1.01/SPP/91	11-05-2022	7,000.00	Seven Thousand Only
76	2021-22	Mr. Karthik S N Dr. Prashanth	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Friction Stir Welding Of Dissimilar Metals And Its Characterization	Ref: 7.1.01/SPP/91	11-05-2022	6,000.00	Six Thousand Only

**TOTAL: Forty eight Lakhs Lakhs Ninety Nine Thousand Four Hundred and Eighty Eight only 48,99,488.00**