

# New Horizon College of Engineering

## Sponsored Research Projects for the Year 2020-21

S.No	Financial Year	Name of the Faculty (Principal Investigator)	Department of Principal Investigator / Co Investigator	Name of the Funding Agency	Name of the Funding Scheme	Title of the Project	Sanctioned Order No.	Sanctioned Date	Amount Received (in Rupees)	Amount received in words
1	2020-21	Dr. M GANESH PRASAD	Mechanical Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Electric Vehicle Charging Station	44S_BE_0042	24-04-2021	6,000.00	Rupees Six Thousand only
2	2020-21	Mr. RAVI KUMAR S	Mechanical Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Performance and exhaust analysis of ultrasonic transesterified blends of pongamia oil with biodiesel	44S_BE_0049	24-04-2021	7,000.00	Rupees Seven Thousand only
3	2020-21	Dr. RAGHU TILAK REDDY	Mechanical Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Design and fabrication of cost effective agricultural machine	44S_BE_0051	24-04-2021	8,000.00	Rupees Eight Thousand only
4	2020-21	Mr. VEERESHA G	Mechanical Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Design and fabrication of plastic extrusion model	44S_BE_0052	24-04-2021	5,000.00	Rupees Five thousand only
5	2020-21	Prof. MEGHA SHUKLA	Mechanical Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Kitchen waste water harvesting	44S_BE_0054	24-04-2021	6,000.00	Rupees Six Thousand only
6	2020-21	Prof. RAVI KUMAR M Dr. M S GANESHA PRASAD	Mechanical Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Design & Performance analysis of PV solar dryer for retention of vital nutrients in fruits/vegetables	44S_BE_0055	24-04-2021	7,000.00	Rupees Seven Thousand only
7	2020-21	Mr. KARTHIK A V	Automobile Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Filtration of bacteria/virus in air conditioning system of automobiles	44S_BE_0059	24-04-2021	6,000.00	Rupees Six Thousand only
8	2020-21	Dr. R J ANANDHI	Information Science and Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Acoustic Echo cancellation for E-Learning platform	44S_BE_0064	24-04-2021	3,000.00	Rupees Three Thousand only
9	2020-21	Dr. R J ANANDHI Dr. SUPRIYA SURESH	Information Science and Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Feature Learning and analysis of pre existing conditions prone to covid virus during second wave using binary markov random fields	44S_BE_0071	24-04-2021	3,000.00	Rupees Three Thousand only
10	2020-21	Dr. R J ANANDHI Mrs. K M BILVIKA	Information Science and Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	3D Printed Model for toothbrush with toothpaste pouch for elderly	44S_BE_0082	24-04-2021	4,000.00	Rupees Four Thousand only
11	2020-21	Ms. DEEPTI RAI	Computer Science and Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Shillelagh - The Smart Stick	44S_BE_0095	24-04-2021	3,500.00	Rupees Three Thousand Five Hundred only
12	2020-21	Dr. VINOTH KUMAR K	Electrical and Electronics Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Solar refrigerator for portable refrigeration	44S_BE_0099	24-04-2021	5,500.00	Rupees Five Thousand Five Hundred only
13	2020-21	Dr. VINOTH KUMAR K	Electrical and Electronics Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Implementation of smart E-Vehicle charging station powered by renewable energy	44S_BE_0101	24-04-2021	5,000.00	Rupees Five Thousand only
14	2020-21	Dr. SINGARAVELAN A	Electrical and Electronics Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	A Collaborative robot to serve patients and to collect infectious wastage at the isolation ward	44S_BE_0102	24-04-2021	4,000.00	Rupees Four Thousand only
15	2020-21	Prof. ROOPA C	Electrical and Electronics Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	A novel fault tolerant solution for underground transmission system monitored by GSM	44S_BE_0104	24-04-2021	2,000.00	Rupees Two Thousand only
16	2020-21	Dr. GUNAPRIYA PARTHASARATHY Mr. VINOD KUMAR S	Electrical and Electronics Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	AI based smart mirror using Raspberry PI	44S_BE_0107	24-04-2021	5,000.00	Rupees Five Thousand only

17	2020-21	Dr. GUNAPRIYA B	Electrical and Electronics Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Recycled UVC Sterilizer	44S_BE_0116	24-04-2021	4,500.00	Rupees Four Thousand Five Hundred only
18	2020-21	Dr. ASHOK KUMAR	Mechanical Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Investigating the strength of the parts produced by friction welding process	44S_BE_0200	24-04-2021	6,000.00	Rupees Six Thousand only
19	2020-21	Prof. HANAMANT YARAGUDRI	Mechanical Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Design and fabrication of Zigbee device for fault detection monitoring and controlling of induction motor	44S_BE_0201	24-04-2021	6,000.00	Rupees Six Thousand only
20	2020-21	Mr. DEEPAK KUMAR S NADIGER	Electronics and Communication Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Human Friendly animatronic hand controller	44S_BE_0207	24-04-2021	6,000.00	Rupees Six Thousand only
21	2020-21	Ms. SNEHAL R LAHANDE	Civil Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Construction waste and its management	44S_BE_0211	24-04-2021	5,000.00	Rupees Five Thousand only
22	2020-21	Mr. RAHUL NK	Civil Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Investigating of the hardened properties of concrete using Eco Friendly Material - Coconut Shell	44S_BE_0217	24-04-2021	6,000.00	Rupees Six Thousand only
23	2020-21	Prof. SUJEETH SWAMI	Mechanical Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Design and development of smart irrigation system using IoT	44S_BE_1448	24-04-2021	4,500.00	Rupees Four Thousand Five Hundred only
24	2020-21	Ms. HARSHITHA	Computer Science and Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Rainstorm Prediction System	44S_BE_1450	24-04-2021	4,500.00	Rupees Four Thousand Five Hundred only
25	2020-21	Mr. VINOD KUMAR	Mechanical Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Design and fabrication of an electric cafe racer	44S_BE_3485	24-04-2021	6,000.00	Rupees Six Thousand only
26	2020-21	Mr. NARESH K S	Mechanical Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Design and fabrication of automatic prumatic sheet metal cutting machine	44S_BE_3487	24-04-2021	8,000.00	Rupees Eight Thousand only
27	2020-21	Dr. GOPALA KRISHNAN	Mechanical Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Design of rocker Bogie mechanism by fabrication of terrain vehicles using concept of suspension system in the Bogie mechanism	44S_BE_3489	24-04-2021	6,000.00	Rupees Six Thousand only
28	2020-21	Ms. MEGHA SHUKLA	Mechanical Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Finite Volume analysis on drone propeller blades	44S_BE_3490	24-04-2021	5,000.00	Rupees Five Thousand only
29	2020-21	Prof. NAGABHUSHANA	Mechanical Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Design and fabrication of a portable De-Husking machine for millets using solar energy	44S_BE_3493	24-04-2021	8,000.00	Rupees Eight Thousand only
30	2020-21	Mr. SURENDRA B V	Civil Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Investigation on energy efficiency in green buildings using BIM concepts	44S_BE_3727	24-04-2021	6,000.00	Rupees Six Thousand only
31	2020-21	Dr. R J ANANDHI Prof. GOWRI RASAD	Information Science and Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Iring - A smart finger for the visually challenged	44S_BE_3730	24-04-2021	4,500.00	Rupees Four Thousand Five Hundred only
32	2020-21	Dr. PRIYABRATA ADHIKARY	Mechanical Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Design and simulation of Dual axis solar tracking panel for rural areas	44S_BE_3732	24-04-2021	7,500.00	Rupees Seven Thousand Five Hundred only
33	2020-21	Mr. BOPANNA K D	Mechanical Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Study and development of edible plates for domestic use	44S_BE_3736	24-04-2021	3,500.00	Rupees Three Thousand Five Hundred only
34	2020-21	Dr. SHEELAN MISRA Dr. PRIYAMEET KAUR KEER	Master of Business Administration	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Effective worm sorting compost system	44S_MBA_012	24-04-2021	6,000.00	Rupees Six Thousand only

35	2020-21	Prof. CHETAN KUMAR D S	Mechanical Design	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Student Project Programme (SPP)	Study of performance combustion and emission characteristics of biodiesel fueled C.I.Engine with Induced Turbulence	44S_MTECH_037	24-04-2021	6,000.00	Rupees Six Thousand only
36	2020-21	Dr. VINOTH KUMAR K	Electrical and Electronics Engineering	IEEE	IEEE Chapter Start-UP Grants Scheme	IEEE PELS NHCE SBC Activities	-	15.06.2021	36,740.00	Rupees Thirty Six Thousand Seven Hundred Fourty only
37	2020-21	Dr. SHRIDHAR KURSE	Automobile Engineering	Visvesvaraya Technological University, Belagavi	Financial Assistance for the final year student innovatove projects scheme of VTU	Vishesha Chetana - A Learning and assistive web application for driving for individuals with autism	Ref.: VTU/Aca./A4/2021-22/2628/48	20.09.2021	5,000.00	Rupees Five Thousand only
38	2020-21	Mr. JAYASHEEL KUMAR	Automobile Engineering	Visvesvaraya Technological University, Belagavi	Financial Assistance for the final year student innovatove projects scheme of VTU	Design and fabrication of an electric two wheeler	Ref.: VTU/Aca./A4/2021-22/2628/48	20.09.2021	5,000.00	Rupees Five Thousand only
39	2020-21	Dr. PAMELA VINITHA	Computer Science and Engineering	Visvesvaraya Technological University, Belagavi	Financial Assistance for the final year student innovatove projects scheme of VTU	Eye Control of devices for paralysed and semi paralysed	Ref.: VTU/Aca./A4/2021-22/2628/48	20.09.2021	5,000.00	Rupees Five Thousand only
40	2020-21	Mr. MANJUNATHA SWAMY C	Computer Science and Engineering	Visvesvaraya Technological University, Belagavi	Financial Assistance for the final year student innovatove projects scheme of VTU	FoodDroid AR	Ref.: VTU/Aca./A4/2021-22/2628/48	20.09.2021	5,000.00	Rupees Five Thousand only
41	2020-21	Dr. GEETHA VARMA V	Civil Engineering	Visvesvaraya Technological University, Belagavi	Financial Assistance for the final year student innovatove projects scheme of VTU	Power generation from waste heat produced by biogas obtained from cow dung and agricultural waste	Ref.: VTU/Aca./A4/2021-22/2628/48	20.09.2021	5,000.00	Rupees Five Thousand only
42	2020-21	Ms. SWETTIIJHA	Civil Engineering	Visvesvaraya Technological University, Belagavi	Financial Assistance for the final year student innovatove projects scheme of VTU	WATER - The concept of generating water from atmosphere	Ref.: VTU/Aca./A4/2021-22/2628/48	20.09.2021	5,000.00	Rupees Five Thousand only
43	2020-21	Mr. ASHOK	Electronics and Communication Engineering	Visvesvaraya Technological University, Belagavi	Financial Assistance for the final year student innovatove projects scheme of VTU	IoT Based plant watering and monitoring system	Ref.: VTU/Aca./A4/2021-22/2628/48	20.09.2021	5,000.00	Rupees Five Thousand only
44	2020-21	Ms. TESSY	Electronics and Communication Engineering	Visvesvaraya Technological University, Belagavi	Financial Assistance for the final year student innovatove projects scheme of VTU	Border Sentry Robot	Ref.: VTU/Aca./A4/2021-22/2628/48	20.09.2021	5,000.00	Rupees Five Thousand only
45	2020-21	Ms. KARTHIKA M	Electrical and Electronics Engineering	Visvesvaraya Technological University, Belagavi	Financial Assistance for the final year student innovatove projects scheme of VTU	Military Safety and surveillance robot	Ref.: VTU/Aca./A4/2021-22/2628/48	20.09.2021	5,000.00	Rupees Five Thousand only
46	2020-21	Dr. SUJITHA S	Electrical and Electronics Engineering	Visvesvaraya Technological University, Belagavi	Financial Assistance for the final year student innovatove projects scheme of VTU	Real time safety monitoring system for COVID-19	Ref.: VTU/Aca./A4/2021-22/2628/48	20.09.2021	5,000.00	Rupees Five Thousand only
47	2020-21	Dr. K SARAVANAN	Information Science and Engineering	Visvesvaraya Technological University, Belagavi	Financial Assistance for the final year student innovatove projects scheme of VTU	IoT based auto-alert and follow-up pf covid-19 cases in an educational campus	Ref.: VTU/Aca./A4/2021-22/2628/48	20.09.2021	5,000.00	Rupees Five Thousand only
48	2020-21	Ms. LOHITHA M	Information Science and Engineering	Visvesvaraya Technological University, Belagavi	Financial Assistance for the final year student innovatove projects scheme of VTU	Designing a prototype of mentally challenged and alzheimer patients	Ref.: VTU/Aca./A4/2021-22/2628/48	20.09.2021	5,000.00	Rupees Five Thousand only
49	2020-21	Mr. VINAY D R	Mechanical Engineering	Visvesvaraya Technological University, Belagavi	Financial Assistance for the final year student innovatove projects scheme of VTU	Design and fabrication of wheelchair into foldable bed	Ref.: VTU/Aca./A4/2021-22/2628/48	20.09.2021	5,000.00	Rupees Five Thousand only
50	2020-21	Dr. VISWANATH BELLIE	Mechanical Engineering	Visvesvaraya Technological University, Belagavi	Financial Assistance for the final year student innovatove projects scheme of VTU	Design and fabrication of novel low cost portable water purifier	Ref.: VTU/Aca./A4/2021-22/2628/48	20.09.2021	5,000.00	Rupees Five Thousand only
51	2020-21	Dr. GIRI PRASAD C	Civil Engineering	Vision Group of Science and Technology	GRD Scheme	A comprehensive analysis of SPT-CPT correlation for soil modulation in Bengaluru City	RGS-F/GRD-985/2020-21/2019	26.08.2021	3,00,000.00	Rupees Three Lakhs only
52	2020-21	Dr. V S ANUSHUYA DEVI	Applied Sciences	Vision Group of Science and Technology	Faculty Development Programme for Engineering College Teachers (FDP-ENGG)	Material for Energy Applications	KSTePS/VGST/2020-21/FDP-Engg/414/2021/768	04.10.2021	3,00,000.00	Rupees Two Lakhs only
<b>Total</b>									<b>8,95,740.00</b>	<b>Rupees Eight Lakh Ninety Five Thousand Seven Hundred Forty Only</b>