

# New Horizon College of Engineering

## Sponsored Research Projects for the Year 2023-24

S.No	Financial Year	Name of the Faculty (Principal Investigator)	Department of Principal Investigator / Co Investigato	Name of the Funding Agency	Title of the Project	Sanctioned Order No.	Sanctioned Date	Amount Received (in Rupees)	Amount received in words
1	2023-24	Mr. RAMESHPRASAD R Ms. RAJASREE R. S	Artificial Intelligence and Machine Learning	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Animea detection using machine learning	47S_BE_0783	19-04-2024	4,000.00	Rupees Four Thousand only
2	2023-24	Ms. SANDYARANI V Dr. UMAMAHESWARAN S	Artificial Intelligence and Machine Learning	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Android application for real- time child monitoring	47S_BE_0790	19-04-2024	4,000.00	Rupees Four Thousand only
3	2023-24	Prof. RAMESH PRASAD Dr. UMAMAHESWARAN S	Artificial Intelligence and Machine Learning	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Product recommendations using body measurement	47S_BE_0824	19-04-2024	4,000.00	Rupees Four Thousand only
4	2023-24	Dr. SOWMYA H. K. Dr. SONIA MARIA D'SOUZA	Artificial Intelligence and Machine Learning	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	A detection of intracranial hemorrhage from CT scans using deep learning	47S_BE_1201	19-04-2024	4,000.00	Rupees Four Thousand only
5	2023-24	Dr. SOWMYA H. K Dr. N. V. UMA REDDY	Artificial Intelligence and Machine Learning	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Extracting the essence of ayurveda: a text mining approach to herbs and benefits using named entity recognition	47S_BE_1464	19-04-2024	4,000.00	Rupees Four Thousand only
6	2023-24	Prof. AKSHATHA P. S Prof. BINDU S	Artificial Intelligence and Machine Learning	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Automated office meeting summarization with NLP based video transcription	47S_BE_1499	19-04-2024	4,000.00	Rupees Five Thousand only
7	2023-24	Prof. SUPRIYA B. RAO Dr. MARIA SONIA DSOUZA	Artificial Intelligence and Machine Learning	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	An advanced sensory perception system for olfactory analysis providing a cutting edge digital olfaction solution with implications for diverse industrial sectors	47S_BE_1618	19-04-2024	5,000.00	Rupees Five Thousand only
8	2023-24	Ms. JIMSHA K. MATHEW Ms. RAJASREE R. S	Artificial Intelligence and Machine Learning	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Adeep learning approach towards the detection of kidney stone using ct scans images	47S_BE_1818	19-04-2024	5,000.00	Rupees Five Thousand only
9	2023-24	Ms. JIMSHA K. MATHEW Dr. PRIANKA R R	Artificial Intelligence and Machine Learning	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Precision farming with ai for optimal crop yield and health	47S_BE_1915	19-04-2024	5,000.00	Rupees Five Thousand only
10	2023-24	Prof. SUPRIYA B. RAO Prof. SHRAVYA SHETTY	Artificial Intelligence and Machine Learning	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Sonic insights: revolutionizing lung disease analysis and prediction with lung beats	47S_BE_2802	19-04-2024	5,000.00	Rupees Five Thousand only
11	2023-24	Mrs. SNEHAL R. L Dr. SURENDRA B. V	Civil Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Partial replacement of coarse aggregate as coconut shell in previous concrete	47S_BE_1710	19-04-2024	5,000.00	Rupees Five Thousand only
12	2023-24	Mrs. SWETTI JHA Dr. SURENDRA B. V	Civil Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Water leakage detection using water sensing cable	47S_BE_2540	19-04-2024	5,000.00	Rupees Five Thousand only
13	2023-24	Mrs. SNEHAL LAHANDE Mr. CHANNABASAVA	Civil Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Preparation of bricks using red mud by partial replacement of natural clay	47S_BE_3363	19-04-2024	5,000.00	Rupees Five Thousand only
14	2023-24	Prof. JINCY C. MATHEW Dr. V. ASHA	Computer Applications	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Signsync - machine learning insights into sign language recognition	47S_MCA_0021	19-04-2024	4,000.00	Rupees Four Thousand only
15	2023-24	Prof. JINCY C. MATHEW Dr. V. ASHA	Computer Applications	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Video surveillance and tracking system using facial recognition	47S_MCA_0022	19-04-2024	4,500.00	Rupees Four Thousand Five Hundred only

16	2023-24	Dr. ARPANA PRASAD Dr. V. ASHA	Computer Applications	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Agricultural prospects through edible mushroom classification - machine learning approach	47S_MCA_0024	19-04-2024	4,500.00	Rupees Four Thousand Five Hundred only
17	2023-24	Dr. M. T. VASUMATHI Dr. V. ASHA	Computer Applications	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Image processing based criminal identification system	47S_MCA_0033	19-04-2024	4,500.00	Rupees Four Thousand Five Hundred only
18	2023-24	Dr. N. MITHILI DEVI V. ASHA	Dr. Computer Applications	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Nature nexus : embracing parenthood in the heart of nature	47S_MCA_0037	19-04-2024	4,000.00	Rupees Four Thousand only
19	2023-24	Dr. N. MITHILI DEVI Dr. V. ASHA	Computer Applications	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Smart school bus using IoT	47S_MCA_0038	19-04-2024	4,000.00	Rupees Four Thousand only
20	2023-24	Dr. T. KAVITHA Dr. C. R. RATHISH	Computer Science and Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Finger detect pro: advanced fingerprint crime analysis tool	47S_BE_1229	19-04-2024	3,500.00	Rupees Three Thousand Five Hundred only
21	2023-24	Mr. BANDARI CHANNARAYA PRIYA Dr. M. DHANALAKSHMI	Computer Science and Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Block chain based inter- organizational secure file sharing system	47S_BE_1414	19-04-2024	3,500.00	Rupees Three Thousand Five Hundred only
22	2023-24	Ms. ANAPARTHI YASASWI Dr. SANTHOSH KRISHNA B. V.	Computer Science and Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Flood prone road recognition: enhancing resilience through identification analysis	47S_BE_1525	19-04-2024	5,000.00	Rupees Five Thousand only
23	2023-24	Mrs. ROJA R. Dr. T. KAVITHA	Computer Science and Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Fake profile detection on social media using machine learning algorithms	47S_BE_1556	19-04-2024	4,000.00	Rupees Four Thousand only
24	2023-24	Ms. SOJA RANI S. Dr. NIRMALA M.	Computer Science and Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Brain neoplasm identification using CNN with vgg-16 model	47S_BE_1622	19-04-2024	3,500.00	Rupees Three Thousand Five Hundred only
25	2023-24	Mrs. CHITRA C. Dr. B. MEENAKSHI SUNDARAM	Computer Science and Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Road sense: real-time traffic sign detection for safer commutes	47S_BE_1625	19-04-2024	3,500.00	Rupees Three Thousand Five Hundred only
26	2023-24	Dr. VINOTH KUMAR K. Mrs. ANITHA A.	Electrical and Electronics Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	A portable improvised solar home lighting system with lifepo4 battery	47S_BE_0019	19-04-2024	5,000.00	Rupees Five Thousand only
27	2023-24	Dr. S. SUJITHA	Electrical and Electronics Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Farmguard: automated animal detection and monitoring system	47S_BE_0020	19-04-2024	5,500.00	Rupees Five Thousand Five Hundred only
28	2023-24	Dr. S. SUJITHA	Electrical and Electronics Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Empowering mobility for disabled: design and fabrication of e-tricycle	47S_BE_0023	19-04-2024	7,000.00	Rupees Seven Thousand only
29	2023-24	Dr. S. SUJITHA	Electrical and Electronics Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	EV touch start fingerprint - powered ignition	47S_BE_0026	19-04-2024	6,500.00	Rupees Six Thousand Five Hundred only
30	2023-24	Dr. VINOTH KUMAR K.	Electrical and Electronics Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Solar powered induction motor speed control using IoT for agriculture	47S_BE_0031	19-04-2024	6,500.00	Rupees Six Thousand Five Hundred only
31	2023-24	Dr. MAUSRI BHUYAN	Electrical and Electronics Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	load frequency control of isolated hybrid microgrid	47S_BE_0052	19-04-2024	6,500.00	Rupees Six Thousand Five Hundred only
32	2023-24	Dr. S. SUJITHA	Electrical and Electronics Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Enhanced electric propulsion and stability control in two- wheeled vehicles	47S_BE_0069	19-04-2024	7,000.00	Rupees Seven Thousand only

33	2023-24	Dr. PIRUTHIVIRAJ P. Mr. AJAY SUDHIR BALE	Electronics and Communication Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	IoT-based vehicle monitoring system for safety standards in smart cities	47S_BE_0043	19-04-2024	4,000.00	Rupees Four Thousand only
34	2023-24	Dr. KAVITA AVINASH PATIL Dr. B. MEENAKSHI SUNDARAM	Electronics and Communication Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Sports analytics using machine learning	47S_BE_0072	19-04-2024	4,000.00	Rupees Four Thousand only
35	2023-24	Mrs. ISHANI MISHRA Mrs. MONIKA GUPTA	Electronics and Communication Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	long range spy robot using night vision	47S_BE_0844	19-04-2024	4,000.00	Rupees Four Thousand only
36	2023-24	Mr. SRINIVAS BABU N. Mr. SHASHIKIRAN S.	Electronics and Communication Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	IoT based vehicle accident prevention using GSM+GPS & Arduino	47S_BE_2807	19-04-2024	4,000.00	Rupees Four Thousand only
37	2023-24	Mr. MAHENDRA SHRIDHAR NAIK	Electronics and Communication Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Sustainable energy generation and air purification for smart city	47S_BE_3631	19-04-2024	5,000.00	Rupees Five Thousand only
38	2023-24	Mrs. ISHANI MISHRA Dr. MANIKANDA KUMAR	Electronics and Communication Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Obstacle and metal detection robot using ESP32 microcontroller	47S_BE_5361	19-04-2024	5,000.00	Rupees Five Thousand only
39	2023-24	Dr. RAJESH G. Dr. JAYANTHI M.	Electronics and Communication Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Designing and testing automatic agricultural robots for farming	47S_BE_5385	19-04-2024	5,000.00	Rupees Five Thousand only
40	2023-24	Dr. RAJESH G. Prof. GURULAKSHMI	Electronics and Communication Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Seamless monitoring and alert system for maintaining optimal aquarium conditions	47S_BE_5397	19-04-2024	5,000.00	Rupees Five Thousand only
41	2023-24	Prof. PRIYA N. Dr. VANDANA C. P	Information Science and Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Percepti alarm	47S_BE_0902	19-04-2024	5,000.00	Rupees Five Thousand only
42	2023-24	Prof. BIBIANA JENIFER J Dr. VANDANA C. P	Information Science and Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Next-gen vehicle safety: accident monitoring and tracking services using IoT	47S_BE_0912	19-04-2024	4,500.00	Rupees Four Thousand only
43	2023-24	Dr. KALAIVANI Mr. KIRAN KUMAR	Information Science and Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Soil analyser	47S_BE_1102	19-04-2024	3,500.00	Rupees Three Thousand Five Hundred only
44	2023-24	Ms. ARCHANA DAS Dr. VANDANA C. P.	Information Science and Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Automatic engine locking system	47S_BE_1248	19-04-2024	3,500.00	Rupees Three Thousand Five Hundred only
45	2023-24	Dr. PRIYAMEET KAUR KEER Dr.GURU BASAVA ARADHYA S.	Master of Business Administration	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Design and fabrication of automated mask and temperature detection	47S_MBA_0046	19-04-2024	4,000.00	Rupees Four Thousand only
46	2023-24	Dr. PRIYAMEET KAUR KEER Dr.GURU BASAVA ARADHYA S	Master of Business Administration	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Vault H2O	47S_MBA_0174	19-04-2024	4,000.00	Rupees Four Thousand only
47	2023-24	Prof. SUJEETH SWAMI , Prof. RAKESH C.	Mechanical Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Design and development of weed removal in lakes using iot	47S_BE_1055	19-04-2024	3,500.00	Rupees Three Thousand Five Hundred only
48	2023-24	Prof.GOWTHAM RAJ R Dr. K. GOPAL	Mechanical Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Design and fabrication of onboard power generation for EV (2 wheeler)	47S_BE_1114	19-04-2024	5,500.00	Rupees Five Thousand Five Hundred only
49	2023-24	Dr. SRINATH M. K Dr. MANJUNATHA	Mechanical Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Fabrication of 3D printed PMCs for bio- implants	47S_BE_1313	19-04-2024	6,500.00	Rupees Six Thousand Five Hundred only

50	2023-24	Prof. RAKESH C MANJUNATHA	Dr.	Mechanical Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Leveraging smart devices for early forest fire detection	47S_BE_1344	19-04-2024	3,000.00	Rupees Three Thousand only
51	2023-24	Dr. GAYATRI TANUJA G		Mechanical Engineering	Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore - 560012	Enhancing image recognition and improvising video call experience using ML	47S_BE_2825	19-04-2024	4,000.00	Rupees Four Thousand only
52	2023-24	Dr. SUJITHA S		Electrical and Electronics Engineering	IEEE Bangalore Section, Bengaluru	Rural Outreach Activity	-	05-06-2024	5,000.00	Rupees Five Thousand only
53	2023-24	Dr. VINOTH KUMAR K		Electrical and Electronics Engineering	IEEE Industrial Electronics Society	IES SBC Local Support Program	-	24-08-2023	42,243.00	Rupees Forty Two Thousand Two Hundred Forty Three only
54	2023-24	Dr. N V UMA REDDY Dr. B MEENAKSHI SUNDARAM		Artificial Intelligence and Machine Learning	Indian Society for Technical Education (ISTE), Karnataka Section	Optimizing Machine Learning Workflows Data Pipelines, Explainable AI and MLOps in Research and Practice	ISTE/KAR/2024-252	29-05-2024	10,000.00	Rupees Ten Thoudand only
55	2023-24	Dr. N V UMA REDDY Dr. B MEENAKSHI SUNDARAM		Artificial Intelligence and Machine Learning	Visvesvaraya Technological University, Belagavi	FDP Program on Data Pipelines, Explainable AI and MLOps in Research and Practice	VTU/Aca/2023- 24/A4/1376	29-06-2024	25,000.00	Rupees Twenty Five Thoudand only
56	2023-24	Dr. R J ANANDHI		Information Science and Engineering	Air Force Technical College, Bangalore	Academic Grants	GEMC- 511687759775594	10-06-2024	42,87,520.00	Rupees Forty Two Lakh Eighty Seven Thousand Five Hundred Twenty only
57	2023-24	Dr. SANJEEV SHARMA		Electronics and Communication Engineering	Ministry of Education, GOI (MOE)	Grant-in-Aid		15-06-2024	10,28,000.00	Rupees Ten Lakh Twenty Eight Thousand only
58	2023-24	Dr. SANJEEV SHARMA		Electronics and Communication Engineering	MathWorks India Pvt. Ltd.	Grant-in-Aid		15-06-2024	1,25,000.00	Rupees One Lakh Twenty Five Thousand only
59	2023-24	Dr. REVATHI V		Applied Scieinces	Ministry of Education, GOI (MOE)	Grant-in-Aid		26-10-2024	1,12,000.00	Rupees One Lakh Twelve Thousand only
60	2023-24	Dr. SANJEEV SHARMA		Electronics and Communication Engineering	Department of Telecommunication, GOI (DOT)	Grant value of Synopsis Tool		22-07-2024	50,00,000.00	Rupees Fifty Lakhs only
61	2023-24	Dr. SANJEEV SHARMA		Electronics and Communication Engineering	ETH Zurich University, Switzerland.	Grant value of Embedded Kits		13-07-2024	8,20,000.00	Rupees Eighty Lakh Twenty Thousand only
62	2023-24	Ms. SUPRIYA B RAO		Artificial Intelligence and Machine Learning	NVIDIA Graphics Private Limited, Bengaluru	NVIDIA Jetson AI/DL Embedded Lab	Edu/CL/HE GTC March – JS 8 -062823	28-06-2023	1,50,000.00	Rupees One Lakh Fifty Thousand only
<b>Total</b>									<b>1,18,39,263.00</b>	<b>Rupees One Crore Eighteen Lakhs Thirty Nine Thousand Two Hundred Sixty Three Only</b>