



National Education Society (R.)
Jawaharlal Nehru New College of Engineering,
Shivamogga

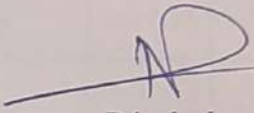


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INTERNAL QUALITY ASSURANCE CELL (IQAC)

Grants received from Government and Non-governmental agencies for research projects

Year	Grants (Lakhs)	Supporting Document
2017-18	21.73	Document
2018-19	33.46	Document
2019-20	43.50	Document
2020-21	42.64	Document
2021-22	39.12	Document
Total Amount	180.45	


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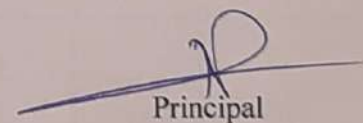
INTERNAL QUALITY ASSURANCE CELL (IQAC)

Grants received from Government and Non-governmental agencies for research projects

Year 2017 - 2018

Name of the research project/ endowment	Name of the Principal Investigator/Co- investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned
Bio-fuel Research Information and Demonstration Centre, Funded by Bioenergy Development Board, Govt. of Karnataka, Bangalore	DR Suresh H B	Electrical & Electronics Engineering	2017-18	4.50
Gesture Controlled Wireless Voice Command System	Dr. Ashwini S. R.	Electronics & Telecommunication Engineering	2017-18	0.07
Bliss-Boost AI Chatbot to trace out Depression, Anxiety and Alzheimer	Dr. Jalesh Kumar	Computer Science Engineering	2017-18	0.06
SMART PEN	Dr. Manjunatha P	Electronics and Communication Engineering	2017-18	2.18
RAITHA SEVA	Dr. Manjunatha P	Electronics and Communication Engineering	2017-18	1.35
"Steel Fibre Reinforced Cement Concrete"	Dr. Raghuram K. C.	Civil Engineering	2017-18	2.07
"Evaluation of Bituminous mixes using waste plastic"- Plastic Bitumen	Dr. Raghuram K. C.	Civil Engineering	2017-18	1.75
INSPIRE Internship Camp	Mr. Girish Mantha	Information Science Engineering	2017-18	9.75

I the undersigned, hereby certify that the above-received grants are being utilized towards the above research projects/endowments for the financial year 2017-2018.


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Year 2018-19

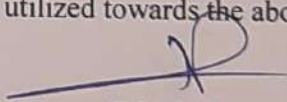
Name of the research project/ endowment	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned
Mini Trencher	Dr K Sabeel Ahmed	Mechanical Engineering	2018-19	0.20
Design and further development of rotary type coconut dehusking machine	Dr. D S Ramakrishna	Mechanical Engineering	2018-19	0.17
Multipurpose Hybrid Sprayer	Dr. E Basavaraj	Mechanical Engineering	2018-19	0.25
Multipurpose Hybrid Sprayer	Dr. E Basavaraj	Mechanical Engineering	2018-19	0.08
Biometric Based Bus Ticket	Dr. Manjunatha P	Electronics and Communication Engineering	2018-19	1.60
Railway Accident Control	Dr. Manjunatha P	Electronics and Communication Engineering	2018-19	2.81
Energy efficient Data Communication Fault Tolerant Model in Heterogeneous WSN	Dr. Manjunatha P and Prashanth G S	Electronics and Communication Engineering	2018-19	2.00
Computerized segmentation of pulmonary nodules depicted in CT examinations using freehand sketches	Dr. Shetty Pamod Kumar	Electronics and Communication Engineering	2018-19	1.00
Bio-fuel Research Information and Demonstration Center, Funded by Bioenergy Development Board, Govt. of Karnataka, Bangalore	Dr. Suresh H B	Electrical & Electronics Engineering	2018-19	3.00


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Design and Fabrication of Electric Quad Bike with Reverse Gear (Electric Vehicle)	Dr.Amith Kumar S J	Mechanical Engineering	2018-19	2.98
BIONIX	Kanchana H J & Mallesh Kumar K S	Civil Engineering	2018-19	2.50
Automation Unit for Industrial Appliances	Mr. Abhijith N	Electronics and Communication Engineering	2018-19	2.00
"Usage of steel slag for bituminous concrete"	Mr. Anirudh N. and Mr. Arun V.	Civil Engineering	2018-19	3.00
"Concrete Fabrics / Canvas"	Mr. Neeraj S N & Mr. Adarsha S R.	Civil Engineering	2018-19	3.00
"Pervious Concrete for Paver Blocks & Slabs"	Mr. Neeraj S N.	Civil Engineering	2018-19	2.45
IOT Based Flash Flood Monitoring and Alert System	Mr.Anand Raj. S N	Electronics & Telecommunication Engineering	2018-19	0.07
Data Management of Milk Dairy using Cloud Application's	Mr.Anil Kumar J	Electronics and Communication Engineering	2018-19	1.45
IIOT Based process Automation	Mr.Pradeepa S C	Electronics and Communication Engineering	2018-19	2.45
Study and Implementation of Interline Custom Power Devices (ICPD))	Mr.Veerasha K B	Electrical & Electronics Engineering	2018-19	0.20
Generalized Unified Power Quality Conditioner	Mr.Veerasha K B	Electrical & Electronics Engineering	2018-19	2.00
"Hydrophobic sand to combat water scarcity in irrigation"	Mrs. Chaya D. Y.	Civil Engineering	2018-19	0.25

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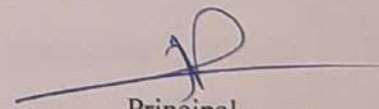
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Grants received from Government and Non-governmental agencies for research projects

Year 2019- 20

Name of the research project/ endowment	Name of the Principal Investigator/Co- investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned
Design and Implementation of Steganographic techniques in Live Multimedia	Dr. Manjula G R	Computer Science Engineering	2019-20	30.00
Bio-fuel Research Information and Demonstration Center, Funded by Bioenergy Development Board, Govt. of Karnataka, Bangalore	Dr Suresh H B	Electrical & Electronics Engineering	2019-20	3.00
Smart Vaccine Alert System using IoT and QRCode technologies	Dr. Chetan K R	Computer Science Engineering	2019-20	2.50
Applications of differential Geometry and Riemannian Geometry in the field of Engineering	Dr.GurupadavvaIngalahalli	MATHS	2019-20	5.00
Design & Fabrication of Bioreactor for bioethanol production using samaneasamman (rain tree fruits)	Mr.Chethan S G	Chemistry	2019-20	2.00
Computerized segmentation of pulmonary nodules depicted in CT examinations using freehand sketches	Mr.ShettyPramod Kumar	Electronics and Communication Engineering	2019-20	1.00

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INTERNAL QUALITY ASSURANCE CELL (IQAC)

Grants received from Government and Non-governmental agencies for research projects Year 2020- 21

Name of the research project/ endowment	Name of the Principal Investigator/Co- investigator	Department of Principal Investigator	Year of Award	Amount Sanction ed
Design and Fabrication of vaccum assisted waste collector for campus roads cleaning	Dr K Sabeel Ahmed & Dr Manjunatha Chary G H	Mechanical Engineering	2020-21	2.50
Biofuel Research Information and Demonstration Center, Funded by Bio-energy Development Board, Govt. of Karnataka, Bangalore	Dr Suresh H B	Electrical & Electronics Engineering	2020-21	3.80
Bio-fuel Research Information and Demonstration Center, Funded by Bioenergy Development Board, Govt. of Karnataka, Bangalore	Dr Suresh H B	Electrical & Electronics Engineering	2020-21	1.50
Intelligent Air Quality Classifier using Machine Learning and IoT	Dr. Chetan K R	Computer Science Engineering	2020-21	2.50
Smart Water Quality Assessment using Machine Learning and IoT	Dr. Chetan K R	Computer Science Engineering	2020-21	2.50
Trenching Machine	Dr. E Basavaraj	Mechanical Engineering	2020-21	3.00
Covid face mask detection using CNN model	Dr. Jalesh Kumar	Computer Science Engineering	2020-21	0.03
Drone Blight	Dr. K M asappaji	Mechanical Engineering	2020-21	2.50
Portable Graphene-Oxide, Vetiver Grass And Uv Light Based Multistage Filtration Unit For Water Purification	Dr. Santosh U	Mechanical Engineering	2020-21	0.05
Investigation on the co-pyrolysis of maize corn cob and areca nut husk	Dr. Santosh U	Mechanical Engineering	2020-21	2.50
Natural bio-adsorbents and coagulants for removal of heavy metals from contaminated water	Dr. Sughosh P & Mr. Shashikumar M H,	Civil Engineering	2020-21	2.50


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Grants received from Government and Non-governmental agencies for research projects

Year 2021- 22

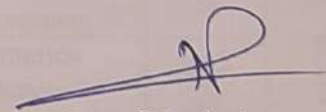
Name of the research project/ endowment	Name of the Principal Investigator/Co- investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned
Electric Mobility vehicle for campus mobility	Dr. Amith Kumar S J	Mechanical Engineering	2021-22	2.50
Design and fabrication of automated system for controlled plant growth	Dr. E Basavaraj	Mechanical Engineering	2021-22	0.25
Development of farm machine for small and marginal farmers	Dr. E Basavaraj	Mechanical Engineering	2021-22	0.15
Smart Milk Vending Machine Using IOT	Dr.ShettyPamod Kumar	Electronics and Communication Engineering	2021-22	0.05
MSW management strategy for waste minimization and vehicle routing using Web-interface	Dr. Sugosh P, & Mr. Dattareya S B,	Civil Engineering	2021-22	2.50
Development of Geopolymeric Syntactic Foam Embedded with Hollow Microballoons as an Alternative to Portland Cement to Minimize Global Warming	Dr.Amith Kumar S J Ravikumar B N	Mechanical Engineering	2021-22	8.00
Integrated smart pole	Dr.Ashwini S R	Electronics & Telecommunication Engineering	2021-22	0.06
JNN Spraying Machine For Arecanut And Black Pepper	Dr.Hemanth Kumar	Master in Computer Applications	2021-22	0.35
Development of Solar Heat Exchanger using solar water heater for cooking purpose	Dr.Ravi Kumar B N	Mechanical Engineering	2021-22	2.50
To study and characterization and performance analysis of different UCO with solvent blends as fuel source in IC Engines	Dr.Ravi Kumar B N	Mechanical Engineering	2021-22	0.12


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Development of microbial consortia for composting of biomass residue	Dr. Sugosh P & Mr. Chethan S G,	Civil Engineering	2020-21	2.50
Automated Wheel Chair Navigation And Health Monitoring Through Open-Computer Vision Using Raspberry	Dr. Sheela H R	Electronics and Communication Engineering	2020-21	0.08
Smart Milk Vending Machine Using IoT	Dr. Shetty Pramod Kumar	Electronics and Communication Engineering	2020-21	0.04
Development of visors with the enactment for PPE	Dr. Shetty Pramod Kumar	Electronics and Communication Engineering	2020-21	2.50
Automated Wheel Chair Navigation And Health Monitoring Through Open-Computer Vision Using Raspberry	Dr. Shwetha H R	Electronics and Communication Engineering	2020-21	0.05
Development of a Readymade pothole mix for distressed pavements	Mr. Arun V and Mr. Anirudh N.	Civil Engineering	2020-21	2.50
Null cement concrete	Mr. Bhuvan Kumar V.S	Civil Engineering	2020-21	2.50
Phytoremediation of waste water from casting industry using native plants	Mr. Ravi Kumar B N & Mr. V K Deepankar	Mechanical Engineering	2020-21	0.06
Marine Robot using RADAR system (River cleaning ROBOT)	Mr. Amarappa S	Electronics & Telecommunication Engineering	2020-21	0.06
Barn House Hygienic Management Robo	Mr. Arunkumar K L	Master in Computer Applications	2020-21	2.50
Smart water Quality assessment using Machine Learning and IoT	Mr. Benak Patel M P	Electronics & Telecommunication Engineering	2020-21	0.93
Development of microbial consortia for composting biomass residue	Mr. Chethan S G	Chemistry	2020-21	2.00
ATAL-FDP A Pedagogy for Effective use of 5G Communication Networks for Cloud Applications	Mr. Madhusudhan G	Electronics & Telecommunication Engineering	2020-21	0.93
Smart Glass For Blind People	Mr. Madhusudhan G	Electronics & Telecommunication Engineering	2020-21	0.05
Kerb Side Parking Management using Smart Mats	Mrs. Akshatha M	Civil Engineering	2020-21	2.50
High Strength 3D Printing for Sand Casting	Pradeep N B	Mechanical Engineering	2020-21	0.07

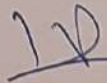
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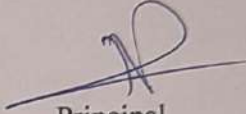
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Automation of areca nut boiling and drying processes using embedded system	Dr.Sabeel Ahmed K	Mechanical Engineering	2021-22	0.07
Multipurpose Agriculture Robot	Dr.Satyaprema	Mechanical Engineering	2021-22	0.15
Generation Of Motive Power In Electric Vehicle	Dr.Thejaswi A H and Dr.Veerasha K B	Electrical & Electronics Engineering	2021-22	0.07
Laboratory Study of Terrazyme Stabilized Soil for Pavements	Mr Arun V, Mrs Bindya K, & Mr Sreenivasa V	Civil Engineering	2021-22	2.50
Laboratory Investigation on Composite Pavement	Mr. Anirudh N. and Mr. Arun V.	Civil Engineering	2021-22	2.50
Development of a cold bituminous mix for roads	Mr. Arun V and Mr. Anirudh N.	Civil Engineering	2021-22	2.50
Computing Constructs for Modelling Biology	Mr. Girish Mantha	Information Science Engineering	2021-22	0.93
Intelligent Areca Drier	Mr. Jayavardhana Acharya N	Mechanical Engineering	2021-22	2.50
Green energy e-vehicle charging station	Mr. V K Deepankar, Mr. C G Chetan	Mechanical Engineering	2021-22	2.50
Thermal Analysis Of Waste Cooking Oil Extracted From Different Edible Oil Seeds	Mr.AbdulSaleem S	Mechanical Engineering	2021-22	0.08
To study characterization and performance analysis of different Used Cooking Oil (UCO) with solvent blends as fuel source in IC Engines.	Mr.Chethan S G	Chemistry	2021-22	0.12
A web based information system for the management of ICU beds during the COVID-19 outbreak	Mr.Madhukar C S	Electronics & Telecommunication Engineering	2021-22	0.05
Automatic Door Opening System With Covid-19 Safety Measures	Mr.SayedAftabAhamed	Information Science Engineering	2021-22	0.06
EV Charging System through Mini vertical wind mills for smart city	Mr.Vidyashankar M	Electrical & Electronics Engineering	2021-22	0.07
Medical image security through feature based watermarking	Ms.AyeshaSiddiq	Computer Science Engineering	2021-22	0.06
Real Time Fire Detection Using AI and ML	Ms.Rashmi R	Information Science Engineering	2021-22	0.06
Crossbreeding of plant using IoT and Machine Learning	Ms.SamaraMubeen	Information Science Engineering	2021-22	2.50
Two Way Charge-Discharge Cycling Based Dual-Motor Electric Vehicle	Padmashree H R	Electrical & Electronics Engineering	2021-22	0.07


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IoT and Web Based Electrical Energy Monitoring System	Pradeep H K	Information Science Engineering	2021-22	2.50
AI Trainer for Activity detection through HPE and HPC by deep learning networks	Prema K N	Electronics and Communication Engineering	2021-22	0.05
Smart Irrigation Controller	Prema K N	Electronics and Communication Engineering	2021-22	2.50
Automatic Packing Control Machine	Roopa B S	Electronics and Communication Engineering	2021-22	0.08
Hand gesture to Speech and Text Conversion System	Smitha S M	Electronics and Communication Engineering	2021-22	0.65
IOT Based Smart Ventilator	Supriha M R	Electrical & Electronics Engineering	2021-22	0.07

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