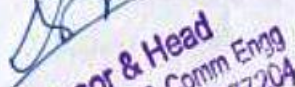



3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments in the institution during the last five years (INR in Lakhs)

Name of the research project/ endowment	Name of the Principal Investigator/Co-Investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
Development of Reference Free Denoising Algorithm for Biomedical Signals	Dr. Madhavi M	ELECTRONICS & COMMUNICATION ENGINEERING	2021	10	2 Years	VTU RESEARCH GRANT-2021	GOVT.
Prediction & Analysis of water requirement in automated irrigation system	Mahendra S	COMMUNICATION ENGINEERING	2020	0.06	6 MONTHS	KSCST	GOVT.
LORA TECHNOLOGY BASED LONG RANGE WEATHER MONITORING STATION FOR AGRICULTURE	Mr. Mahendra S Naik	ELECTRONICS & COMMUNICATION ENGINEERING	2019	0.045	6 MONTHS	KSCST	GOVT.
SMART HEALTH MONITORING AND BULLETDETECTION JACKET	Mr. Mahendra S Naik & Nithin H V	ELECTRONICS & COMMUNICATION ENGINEERING	2019	0.04	6 MONTHS	KSCST	GOVT.
VOICE CONTROLLED BLIND READER BASED ON IOT	Mrs Shyamala S C	ELECTRONICS & COMMUNICATION ENGINEERING	2019	0.04	6 MONTHS	KSCST	GOVT.
ELECTRIC LINE MAN SAFETY WITH PASSWORD BASED CIRCUITUSING RABERRY PI 3 BOARD	Mr. Amit Kumar K	ELECTRONICS & COMMUNICATION ENGINEERING	2017	0.065	6 MONTHS	KSCST	GOVT.


Professor & Head
 Dept. of Electronics & Comm Engg
 PESITM, Shivamogga-577204


Principal
 PES Institute of Technology & Management
 NH-206, Sagar Road, SHIVAMOGGA-577 204



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿ ಜ ಯು ಉ ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)
'ಜ್ಞಾನ ಸಂಗಮ', ಒಳಗಾವಿ - ೫೯೦ ೦೧೮ ಕರ್ನಾಟಕ ರಾಜ್ಯ

Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the VTU Act, 1994)

"Jnana Sangama", Belagavi-590 018, Karnataka State, India

Prof. A. S. Deshpande B.E., M.Tech., Ph.D.
REGISTRAR

Phone : (0831) 2498100

Fax : (0831) 2405467

Ref: VTU/BGM/Aca/A-12/ VTU RGS /DIS -EEE/2021-22/ 6066/8

Date 12 MAR 2022

To,
The Principal,
PES Institute of Technology and Management , Shivamogga

Sub: Grants for Research Proposal for the year 2021-22

Ref.: 1. VTU/Aca./2021-22/ PS/2019-20/9707, dated 18-3-2020.

2. Hon'ble Vice-Chancellor's approval dt:11-02-2022.


At the outset please accept our congratulations and greetings.

We are pleased to inform you that, the grant of Rs. 10.00 Lakhs (Rupees Ten Lakh only) is being sanctioned for the research proposal entitled as "Development of Reference Free Denoising Algorithms for Biomedical Signals..." submitted by Dr.Madhavi Mallam (PI) and Mr. Mahendra S Naik (CoI) under VTU Research Grants Scheme -2021.

The expenditure of the sanctioned amount needs to be planned as under.

Expenditure Particulars		First Year (Rs. in Lakhs)	Second Year (Rs. in Lakhs)	Total (Rs. in Lakhs)
Non - Recurring	Fellowship for Research Scholar	1.92	1.92	3.84
	Equipments/Software/Instruments (Purchase of Desktops/Laptops are not Permitted)	5.00	0.00	5.00
Recurring	Consumables (Glass wares/Chemicals)	0.50	0.25	0.75
	Others (Expenditure towards/ testing / consultancy / publications of research work in terms IPR Registrations (not for paper publications in journals) / TA-DA to present a paper in conferences or workshop or symposia in India .	0.20	0.21	0.41
Total (Rs. in Lakhs)		7.62	2.38	10.00
VTU Contribution (75% of the Sanctioned Amount) This amount will be released after receiving the acceptance letter and compliance of Point Number 10,11 &12 mentioned in "Terms and Conditions"		5.715	1.785	7.50
Institution Contribution (25% of the Sanctioned Amount) Please Refer Point number 10,11 &12 in the "Terms and Conditions" and comply accordingly		1.905	0.595	2.50

Copy to ① Dr. Madhavi M
② Dept of ECE
③ Acad
④ RC-file
⑤ Adm/office


Principal
PES Institute of Technology & Management
NH-206, Sagar Road, SHIVAMOGGA

Inward No. 616

Department.

Date of Inward Entered. 09/03/2022

Sign of the Principal.



Karnataka State Council for Science and Technology

(An autonomous organisation under the Dept. of Science & Technology, Govt. of Karnataka)
Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849, 23348840

Email: office.kscst@iisc.ac.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Mr. H. Hemanth Kumar
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal
P.E.S. Institute of Technology and Management
N. H. 206 Sagar Road
Shivamogga - 577 204

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : **44S_BE_1046**

Ref : Your Project Proposal entitled " **PREDICTION AND ANALYSIS OF WATER REQUIREMENT IN AUTOMATED IRRIGATION SYSTEM USING ARTIFICIAL NEURAL NETWORK (ANN) AND LORA TECHNOLOGY**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Students	Ms. Amogha Hegde M N Mr. Sahana H R Mr. Ravichandra A Mr. Zohara Sharief	Budget	
		Particulars	Amount (Rs)
Guide/s	Mr. Mahendra S Naik	Materials/Consumables	4,000.00
		Labour	500.00
Department	Electronics And Communication Engineering	Travel	500.00
		Miscellaneous	500.00
		Report	500.00
		Total	6,000.00
SIX THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords

H. Hemanth Kumar
Principal
PES Institute of Technology & Management
NH-206, Sagar Road, SHIVAMOGGA-577 204

[Signature]
11/08/21
Professor & Head
Dept. of Electronics & Comm Engg
PES, Shivamogga-577204

- 5) Introduction / background
(with specific reference to the project, work done earlier, etc) - about 20 lines
- 6) Objectives (about 10 lines)
- 7) Methodology (about 20 lines)
(materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions
(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.

HOW IS THE ANN TRAINED? SPECIFY THE OUTCOME

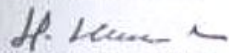
The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/institution.

The sponsored projects evaluation will be held in the Nodal Centre /online platform and the details of the same will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,




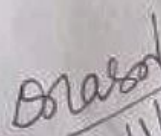
(H. Hemanth Kumar)

Copy to (by email):

- 1) Mr. Kunjan D Shinde
SPP Coordinator
P.E.S. Institute Of Technology And Management
N. H. 206 Sagar Road
Shivamogga - 577 204
- 2) Mr. Mahendra S Naik
Department of Electronics And Communication Engineering
P.E.S. Institute Of Technology And Management
N. H. 206 Sagar Road
Shivamogga - 577 204
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above


Principal
PES Institute of Technology & Management
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11/08/21

Professor & Head
Dept. of Electronics & Comm Engg
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KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science campus, Bengaluru - 560 012

Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: spp@kscst.iisc.ernet.in || Phone: 080-23600978

43rd Series of Student Project Programme: 2019-20

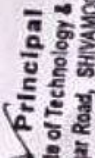
LIST OF STUDENT PROJECT PROPOSALS APPROVED FOR SPONSORSHIP

105) P.E.S. INSTITUTE OF TECHNOLOGY AND MANAGEMENT, SHIVAMOGGA

Sl. No.	Project Title	Stream	Supervisor	Amount
596.	BIONIC PROSTHETIC ARM CONTROLLED BY MUSCLE SENSOR	B.E.	Mr. MANJUNATH PRABHU	4500.00
597.	IDENTIFICATION OF DISEASE IN ARECA PALMS USING AN IMAGE AND DEVELOPING A MOBILE APPLICATION FOR THE SAME	B.E.	Mr. ARJUN U	3000.00
598.	DESIGN AND FABRICATION OF HAND OPERATED RICE PLANT CULTIVATOR	B.E.	Mr. ASHOK R BANAGAR	4000.00
599.	ENERGY HARVESTING BY RAIN WATER USING PIEZOELECTRIC MATERIALS	B.E.	Mr. VINOD V RAMPUR	4000.00
600.	EFFECT OF ZrO2/TiO2 HYBRID NANO REINFORCEMENT ON MECHANICAL PROPERTIES OF PMMA BASED DENTURE MATERIALS	B.E.	Dr. GIRISHA L	4000.00
601.	EXPERIMENTAL INVESTIGATION ON SUITABILITY OF BRICK USING RED MUD (ALUMINIUM INDUSTRY WASTE) AS A MASONRY UNIT	B.E.	Prof. SUJITH K Prof. SANJAY S. J.	5000.00
602.	OPTIMIZATION OF EMISSION AND PERFORMANCE TEST ON A CI ENGINE USING THE BIODIESEL EXTRACTED FROM THE TERMINALIA CATAPPA SEEDS	B.E.	Mr. MANOJ S Mr. MANOJ S	5000.00
603.	LoRa TECHNOLOGY BASED LONG RANGE WEATHER MONITORING STATION FOR AGRICULTURE	B.E.	Mr. MAHENDRA S NAIK	4500.00

KSCST : 43rd Series of Student Project Programme : Sanctioned Projects


Principal
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NH-206, Sagar Road, SHIVAMOGGA-577 204


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S. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	PROJECT STREAM	NAME OF THE GUIDE(S)	NAME OF THE STUDENTS	SANCTIONED AMOUNT (in Rs.)
504	43S_BE_3144	SMART HEALTH MONITORING AND BULLET DETECTION JACKET	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E.	STREAM A	Mr. NITHIN H V Mr. MAHENDRA S NAUK	Mr. RAVIVANDAN SALLEEV RAYABAGI Ms. RANJITHA S Mr. UDAY D J Ms. VARSHA H G	4000.00
505	43S_BE_3794	VOICE CONTROLLED BLIND READER BASED ON IOT	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E.	STREAM A	Mrs. SHYAMALA S C	Mr. GANESH PRASAD D M Mr. MEGHARAJACHARI B Mr. CHETHAN B C Mr. ABHISHEK GOWDA N R	4000.00

Note:

- The sanctioned amount will be sent by account payee cheque to the Principal of the institution.
- The evaluation of above projects will be conducted at the nodal centres in the month of May / June 2020. Participation in the evaluation process at the nodal centres is mandatory, failing to which the sanctioned project will be withdrawn from the list and sanctioned amount shall be returned to KSCST.
- Further projects will be shortlisted for state level seminar & exhibition which will be conducted during July / August 2020.
- After completion of the projects, the hard copy and soft copy (PDF format only) of the report needs to be sent to KSCST without fail.
- Any corrections with respect to the names of the guide and students should be requested at 300@kscst.tsc.ernet.in.


2/17



Principal
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Principal
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KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru - 560 012

Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: spp@kscst.iisc.ernet.in || Phone: 080-23600978

LIST OF PROJECTS SANCTIONED UNDER THE 41ST SERIES OF STUDENT PROJECT PROGRAMME: 2017-18

89. P.E.S. INSTITUTE OF TECHNOLOGY AND MANAGEMENT, SHIVAMOGGA

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	SANCTIONED AMOUNT (in Rs.)
333.	41S_BE_1459	ELECTRIC LINEMAN SAFETY WITH PASSWORD BASED CIRCUIT USING RASPBERRY Pi 3 BOARD	ELECTRONICS AND COMMUNICATION ENGINEERING	BE	Mr. AMIT KUMAR	Mr. PRADEEK S KUDALKAR	6500.00
334.	41S_BE_1461	EXPERIMENTAL PERFORMANCE ANALYSIS OF CONVENTIONAL GASOLINE VEHICLE BLENDED WITH HYDROGEN GAS.	MECHANICAL ENGINEERING	BE	Mr. RAJASHEKHARA M.C	Mr. MOHAMMED SHAHID	7000.00
335.	41S_BE_1466	QUICK RESPONSE (QR) CODE FOR VEHICLE REGISTRATION AND IDENTIFICATION	COMPUTER SCIENCE AND ENGINEERING	BE	Dr. SUNITHA B. S	Ms. SONALI SHETTY	3500.00
336.	41S_BE_1468	SMART WATERING SYSTEM USING IOT	INFORMATION SCIENCE AND ENGINEERING	BE	Mr. VENKATESH.P	Ms. NIVEDITHA P S	3000.00
337.	41S_BE_1472	DIGITAL COTTAGE UDYAMA	INFORMATION SCIENCE AND ENGINEERING	BE	Mr. PRAVEEN GUJJAR J	Ms. SUPRIYA S P	3000.00

(Handwritten Signature)

Principal
PES Institute of Technology & Management
NH-206, Sagar Road, SHIVAMOGGA-577 204