



## 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

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**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
		Travel	500.00
Department	Electronics And Communication Engineering	Miscellaneous	500.00
		Report	500.00
		<b>Total</b>	<b>6,000.00</b>
<b>SIX THOUSAND RUPEES ONLY</b>			

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**

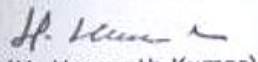
The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/institution.

**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,

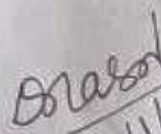
  
(H. Hemanth Kumar)

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

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

  
11/08/21

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