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KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru -560012
Telephone: 080 -23600978, 23341652 || Email: spp@kscst.iisc.ernet.in
Website: www.kscst.iisc.ernet.in/spp.html or www.kscst.org.in/spp.html

STUDENT PROJECT PROGRAMME (SPP) 44th SERIES: 2020 - 2021

KSCST invites project proposals from the final year BE, M.Tech, M.Sc & MBA students for sponsorship, under the 44th series of Student Project Programme (SPP).

The project proposals can be submitted from 21st October 2020 to 8th January 2021

The submitted projects shall mandatorily be from one of the broad themes / areas as below:

1. Non-conventional and / or composite building materials / structures
2. Low-cost modified transport system for village / rural / disabled community
3. Low-cost, eco-friendly potable water filtration
4. Automation or new concepts in agriculture (cultivation, raising crops, irrigation etc.)
5. User friendly devices for aged or physically challenged people
6. Robotics / 3D printing / Cyber security
7. Innovative materials for acoustics and noise Control
8. E-Learning Technologies to villages / panchayat levels
9. Bioenergy / Solar energy application at villages
10. Domestic bio / non-bio waste treatment / recycling
11. Newer techniques in Air Pollution control
12. Newer techniques in treating domestic sewage / industrial effluents
13. Electro-Chemical Devices (Fuel Cells, Capacitors, Batteries, etc.)
14. Technologies relevant in the aftermath of Covid-19.

Who can apply: Final year students of B.E., M.Tech, M.Sc and MBA

How to apply:

1. Students studying in their final year B.E., M.Tech, M.Sc and M.B.A. are eligible to apply.
2. The Project Proposals shall be prepared as per the SPP proposal format available from KSCST website.
3. The team members are advised to carryout prior-art-search before submitting the project proposal to check the novelty of the project.
4. The project team shall have a maximum of 4 students and each project team shall only send one proposal as per the themes indicated above. Any other project proposals will not be considered and liable for rejection.
5. The filled proposal along with a Demand Draft (DD) of Rs. 1,000/- (Rupees One Thousand only) favouring "**Secretary, KSCST**", to be sent to "**The Secretary, Karnataka State Council for Science and Technology, Indian Institute of Science campus, Bengaluru - 560 012**" in a sealed envelope superscribing "**Project Proposal for 44th series of Student Project Programme (SPP)**" as applicable .
6. The Demand Draft (DD) to be drawn only from Canara Bank / State Bank of India payable at Bengaluru.
7. Kindly keep a photocopy of the completed proposal before submitting to KSCST.
8. After the completion of proposal, the team leader of the project needs to mandatorily fill the Google Form. The link is as follows: <https://forms.gle/yqSYxZRP6uJsP5QA8>
9. All proposals to be submitted through college / institution.
10. The Institution shall designate SPP Co-ordinator to co-ordinate with KSCST.

Evaluation Process:

1. In the first phase, the submitted projects will be evaluated by experts and then short-listed for sponsorship.
2. In the second phase, the sponsored projects will be further evaluated by expert committee, either offline / online, and then shortlisted for final state-level seminar and exhibition.
3. In the third phase, the finalised projects will be called for exhibition/seminar followed by evaluation for the coveted KSCST award.
4. The sponsored-amount for the project will be sent to the Principal by NEFT.

Note: The sponsored amount initially will be partial. Upon presentation / evaluation at the second phase, the balance amount will be released for the successful projects.

Dates to Remember

Last date for receipt of hardcopy of the proposal	8 th January 2021	Evaluation of Projects	May – June 2021
Project approval by KSCST	March 2021	Seminar and Exhibition of selected projects	July / August 2021

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Guidelines for Project Proposal Submission

1. Students studying in final year engineering are eligible to apply.
2. The Project Guides / HODs need to critically evaluate the project proposals and select the good project proposals before sending them to KSCST.
3. Each project proposal needs to be enclosed with a processing fee of Rs. 1000/- (Rupees one thousand only) in the form of a Demand Draft favouring "Secretary, KSCST" payable at Bengaluru. The Demand Drafts to be obtained from Canara Bank / State Bank of India only. Without processing fee, project proposals will not be considered for the evaluation. The Processing fee is non-refundable.
4. The college shall nominate the SPP Co-ordinator with whom KSCST can interact regarding evaluation of sanctioned projects, funding, project synopsis, report submission, participation in Seminar / Exhibition, etc. Please contact the Principal for the same.
5. The project team (batch) can have up to a maximum of **FOUR** students.
6. The team shall submit the hardcopy of the project proposal in the prescribed SPP format only (available in website also), duly signed by their Project Guide, Head of the Department and Principal of the institution and it shall reach KSCST on or before **8th January 2021**. Project proposals sent after this date will not be entertained.
7. KSCST sponsored project details from 1977-78 to 2014-2015 information is available online in the KSCST website as "SPREAD Online". The abstract and full version of 6 years reports are also available. This provides students, information on completed projects, and problems / gaps in technology to develop a project, references and avoid duplication.
<http://www.kscst.iisc.ernet.in/sppArchive/public/index.php>
The details of the Awarded projects are hosted in the KSCST – SPP Website.
<http://www.kscst.iisc.ernet.in/spp.html>
The project report details can also be obtained from
http://www.kscst.iisc.ernet.in/spp/42_series/41S_awarded_further_devpt_projects.pdf
8. Each Project team shall send ONLY ONE proposal.
9. The project team SHALL NOT change the topic of the project after the project has been selected and sponsored by KSCST and shall not deviate from the identified objectives. In the event of any such changes, the project will be treated as cancelled and the college shall refund the sanctioned amount to the Secretary, KSCST, Indian Institute of Science Campus, Bengaluru - 560 012.
10. The SPP Co-ordinator of the college needs to inform the students who are submitting the project proposal to KSCST that they complete the proposal in all respects duly certified by the HOD / Project Guide and Principal of the institution.

11. After sending the filled project proposal to KSCST, it is mandatory to fill the Google Form about the project information by Project Team leader and submit without fail. (Photocopy of the filled project proposal to be kept ready for filling the Google form)
12. The link for google form is : <https://forms.gle/yqSYxZRP6uJsP5QA8>
13. Project proposals will be reviewed and evaluated by a team of experts and those selected will be announced in the KSCST website - www.kscst.iisc.ernet.in or www.kscst.org.in.
14. The project sanction letter will be sent to the Principal of the institution with copies to the Project guide and Head of the Department.
15. The evaluation of projects will be conducted only at nodal centres / Web Meeting. The students need to demonstrate their project in the nodal centre or during Web Meeting. The sponsored projects will be short-listed for Seminar and Exhibition during the evaluation. It is mandatory for the project team to exhibit / demonstrate their project and also in the seminar and exhibition (if selected). The seminar and exhibition will be held during **July / August 2021**. Venue will be intimated to the college.
16. The amount sponsored will be sent to the College in the name of the Principal by NEFT transfer. The project guide shall take necessary steps to utilise this amount for the project work and submit the utilisation certificate and statement of expenditure through the Principal of the institution.
17. Every sanctioned project will be given a unique Project Reference Number. Please use the same reference number while corresponding with KSCST by E-mail: spp@kscst.iisc.ernet.in
18. The nodal evaluation of sponsored projects will be conducted during **May - June 2021** and the projects will be short-listed for annual Seminar and Exhibition. The Juries will be selecting best projects for the awards at seminar and exhibition.
19. It is mandatory for the project team (one student and Project Guide) selected for Seminar and Exhibition to participate in the event. This will be organised in one of the engineering colleges in the state. (Previous Seminar and Exhibition (42nd Series) was hosted by KLE Dr. M. S. Sheshgiri College of Engineering and Technology, Belagavi on 26 - 27th July 2019) and 43rd Series of SPP, the webinar event was held during July-August 2020. The concluding event and best projects of the year 2019-20 was announced on 21st September 2020.
20. It is mandatory for the project team to send the project synopsis (2-3 page write-up) of the completed project for publishing in the form of digital / hardcopy of the SPP compendium which will be brought out during Seminar and Exhibition.
21. It is also mandatory for the project team to submit one copy of the final project report along with a CD containing the final report (including cover page, initial pages, Contents, Abstract) in .pdf format to KSCST.
22. During the Seminar and Exhibition, **“Best Project of the Year Award”** will be presented to the outstanding projects with a cash prize (for both Students and Project Guides) and certificates to all participants of the Seminar and Exhibition in a function organized for the occasion.
23. Kindly visit our website www.kscst.iisc.ernet.in/spp.html for further details and announcements.
