

ಕರ್ನಾಟಕ ರಾಜ್ಯ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರವಿದ್ಯಾ ಮಂಡಳಿ
KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
Indian Institute of Science Campus, Bengaluru -560012

STUDENT PROJECT PROGRAMME (SPP) 43rd SERIES: 2019 - 2020

KSCST invites project proposals from the final year BE, M.Tech, M.Sc & MBA students for sponsorship, under the 43rd series of Student Project Programme (SPP).

The project proposals can be submitted from 10th October 2019 to 16th December 2019

Stream A : The submitted projects can be from one of the broad themes / areas as suggested below:

1. Assistive devices for differently abled
2. Rural sanitation
3. Agricultural equipments
4. Waste management
5. Solar energy harvesting
6. Lake de-frothing
7. Genetically modified crops for high yield
8. Disaster management system
9. Water
10. Housing, Environment
11. Energy
12. Automobile, Infrastructure
13. Tissue culture for quality planting material
14. Application of Nanotechnology
15. Biodegradable products
16. Molecular Modelling in Drug Design
17. Software for molecular docking
18. Biomarkers of diseases in medicine.

Stream B : The submitted projects can be from the following list or related to the field of Bioenergy / Biofuels.

1. Production of biodiesel, bio-ethanol, biogas from different sources of raw materials
2. Morphological study on biofuel species
3. Application of biofuel by-products
4. Grafting for high yielding varieties using mother tree
5. Study and prevention of plant diseases in biofuel species plants
6. Identification of New Feedstock for Biofuel productions
7. Emission Profiles for different variety and different blends of biodiesel
8. IT based process control for Biodiesel Production
9. Study on short gestation crops
10. Business model for biofuel supply chain management
11. Marketing strategies, market trend analysis etc. for biofuels
12. Survey on Biofuel species in Karnataka using GPS point location
13. Study of RUCO model of FSSAI for UCO aggregation in the State.

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. Proposals are invited under two different streams and proposals should be submitted in respective formats.
5. The project team shall have a maximum of 4 students and each project team shall only send one proposal under one of the streams.
6. The filled proposal along with a Demand Draft (DD) of Rs. 1000/- (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 43rd series of Student Project Programme (SPP) - Stream A/B**" as applicable.
7. The Demand Draft (DD) to be drawn only from Canara Bank / State Bank of India payable at Bengaluru.
8. Kindly keep a photocopy of the completed proposal before submitting to KSCST.
9. After the completion of proposal, the team leader of the project needs to fill the Google Forms. The link is as follows: <https://forms.gle/cpc8fph21B8Tm7bk8>
10. The project proposals to be submitted from the college with necessary attestation.

Note: The project proposals to be sent by college altogether in coordination with SPP coordinator designated by the college. Projects submitted individually will not be accepted. Handwritten proposals will not be accepted.

Evaluation Process:

1. The projects will be selected for sponsorship after evaluation by experts. In the second phase, the selected projects will be further evaluated and shortlisted at nodal centres for final state level seminar and exhibition.
2. The amount sponsored will be sent to the Principal by cheque / NEFT.
3. The selected projects shall be presented for evaluation at all the stages, failing to which the grants will be withdrawn.

Note: The projects selected for Seminar and Exhibition will be exhibited at one of the engineering colleges in the state, wherein projects will be awarded and also selected for commercialization / prototype development. Potential projects will be continued under the "**Faculty Project Programme**".

Dates to Remember

Last date for receipt of hardcopy of the proposal	16th December 2019	Evaluation of Projects at Nodal Centre	April – May 2020
Project approval by KSCST	February 2020	Seminar and Exhibition of selected projects	July / August 2020

For information please visit: <http://www.kscst.org.in/spp.html> || <http://www.kscst.iisc.ernet.in/spp.html> or write us at spp@kscst.iisc.ernet.in

**This programme is supported by: Department of Science and Technology, Government of India
and Department of Science and Technology, Government of Karnataka**

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