



# ಕರ್ನಾಟಕ ರಾಜ್ಯ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಮಂಡಳಿ

## KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru -560012

Telephone: 080 -23600978, 23341652 || Email: spp@kscst.org.in Website: www.kscst.org.in/spp.html or https://kscst.karnataka.gov.in



## STUDENT PROJECT PROGRAMME (SPP - 46<sup>th</sup> SERIES: 2022 – 2023)

KSCST invites project proposals from the final year BE, M.Tech., M.Sc., M.Tech., / M.Sc., (Agriculture) & MBA students for sponsorship, under the 46<sup>th</sup> series of Student Project Programme (SPP).

**The project proposals can be submitted from 10<sup>th</sup> November 2022 to 10<sup>th</sup> February 2023**

**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., M.Tech / M.Sc. (Agriculture) and MBA

### How to apply:

1. Students studying in their final year B.E., M.Tech, M.Sc., M.Tech., / M.Sc., (Agriculture) 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 carry out literature review and 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 softcopy of the proposal along with the details of payment made (through NEFT transfer / UPI Payment only) for Rs. 1,000/- (Rupees One Thousand only) to be submitted through Google Form only. (Bank details of KSCST is in the project proposal format, available in Website).
6. The processing fees paid for the project proposal is non-refundable / non-transferable.
7. The student's team to keep ready the project proposal with approval from Project guide / head of the department and institution, make the payment for processing fees and upload the details in the Google Form. The team leader of the project needs to mandatorily fill the Google Form. The link is as follows: <https://forms.gle/pMfzw4iKL7LNAojd8>
8. Submission of the project proposal is through Google Form only and Email: spp@kscst.org.in (All information in one single pdf file). Students / institutions shall not send the hardcopy of the project proposals to KSCST. All proposals to be submitted after approval of project guide and college / institution.
9. The Institution shall designate SPP Co-ordinator to co-ordinate with KSCST.

### Evaluation Process:

1. The submitted projects will be evaluated by experts and then short-listed for sponsorship. The sponsored amount for the project will be sent to the Principal of respective institutions by NEFT
2. The sponsored projects will be evaluated by an expert committee, either offline / online, and then shortlisted for final state-level seminar and exhibition.
3. The finalised projects will be called for exhibition / seminar followed by evaluation for the coveted "Best Project of the Year Award".

### Dates to Remember

Last date for filling Google Form and receipt of softcopy of the project proposal as per the SPP format	10 <sup>th</sup> February 2023, 5.00 PM
Project approval by KSCST	March 2023
Evaluation of project at Nodal Centre and selection of project for Seminar / Exhibition	May – June 2023
Synopsis and Final Project Report submission through Google Form	24 <sup>th</sup> June 2023
Seminar and Exhibition of selected projects	July / August 2023

### This programme is supported by:

Department of Science and Technology, Government of India  
Department of Science and Technology, Government of Karnataka  
Karnataka State Bioenergy Development Board, Government of Karnataka

**KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY**  
**Indian Institute of Science Campus, Bengaluru -560012**

Telephone: 080 -23600978, 23341652 || Email: spp@kscst.org.in  
Website: www.kscst.iisc.ernet.in/spp.html or www.kscst.org.in/spp.html or https://kscst.karnataka.gov.in/en

## **46<sup>th</sup> series of Student Project Proposal: 2022-23**

### **Important Dates:**

Notification date	10 <sup>th</sup> November 2022
Last date for receipt of the proposal	10 <sup>th</sup> February 2023 within 5.00 PM
Announcement of results	March 2023
Nodal Centre Evaluation (Tentative)	May-June 2023
Seminar and Exhibition	July/August 2023

### **Instructions for Submission of Project Proposal**

The project proposal for the 46<sup>th</sup> series of the Student Project Programme (SPP) shall be applied by Google Forms, and the same must be submitted by email to spp@kscst.org.in

It is mandatory to submit the project proposal by filling the Google Forms and sending the softcopy of the proposal in .pdf format by email. **Do not send the hard copy of the proposal.**

### **Eligibility:**

1. The project proposals are accepted from the institutions / Universities established with in the state of Karnataka.
2. Students studying in the final year B.E., M. Tech, M.Sc., M.Sc./M. Tech (Agriculture) and M.B.A. are eligible to apply. A team of a maximum of four students is allowed.
3. The project shall have a maximum of two guides.
4. Only ONE project from a team is allowed. A student shall not be associated with more than one project.
5. The project proposals must be submitted with prior approval from the Project Guide and HOD / The Principal of the institution.

### **Processing Fee:**

1. Payment of processing fee of Rs. 1000/- per project shall be made by NEFT / UPI payment mode.
2. The bank account details of KSCST are available for download from the website.
3. Without processing fees, project proposals will not be considered for evaluation.
4. The Processing fee submitted is non-refundable / transferable.

### **Instructions to the students:**

1. Once the project gets selected and sponsored by KSCST, any changes in the title of the project will not be allowed and shall not deviate from the identified objectives.
2. Any changes in the project guide shall be intimated to KSCST by prior approval from the Head of the Department (HoD)/The Principal. The request for the same shall be made by the HoD / The Principal to spp@kscst.org.in

3. Any changes in the project team (students) will not be allowed.
4. Once selected by KSCST, the team shall make sure the project synopsis and report (only softcopy) are submitted within the stipulated dates (will be intimated in later stages).
5. Participation in the mid-term/nodal center evaluation and seminar & exhibition is mandatory for the selected project teams.
6. The sanctioned projects will have a unique project reference number allotted by KSCST. Please use the same reference number while corresponding with KSCST by email to spp@kscst.org.in

#### **Instructions to the Institutions:**

1. The institute shall nominate a faculty as the SPP Co-ordinator with whom KSCST can interact regarding the activities of the 46<sup>th</sup> series of SPP and the name of the same shall be intimated to the students.
2. The details of the SPP Co-ordinators should be mentioned in each of the project proposals submitted.
3. Shall make sure the projects submitted by the students are as per the guidelines specified by KSCST.
4. Once the project gets selected and sponsored, the institution shall make sure the students participate in the nodal centre evaluation (Tentative) and seminar & exhibition.
5. Shall monitor the progress of the project and utilization of the funds released.
6. In the event of in-completion of the project, the institute shall refund the sanctioned amount to the Secretary, KSCST, Indian Institute of Science Campus, Bengaluru - 560 012. (Bank details given in the Project Proposal format)
7. Make sure the project team submits the synopsis and softcopy of the project reports in the stipulated time.
8. Shall submit the utilization certificate and statement of expenditure for the sponsored projects in the format provided by KSCST within the stipulated date (will be intimated).
9. The amount sanctioned will be transferred to the account furnished by the institute. The details regarding the same will be announced on the website.

#### **How to apply:**

The project proposals are accepted in the form of softcopy by GOOGLE FORMS and email (both modes are mandatory). **No need to send the hardcopy of the proposals.** Non submission of project proposals through Google Forms shall not be considered for the evaluation process.

#### **Steps to follow:**

1. Pay the processing fee of Rs. 1000/- (Rupees one thousand only) by NEFT / UPI payment mode.
  - Bank account details of KSCST are available for download on the website (Last page of project proposal format).
  - The transaction details (a receipt of an online payment made) shall be uploaded on Google Forms.
2. Download and prepare the following .doc files (3) available on the website.
  - Project Proposal Format
  - Declaration form by the project team and endorsement by institution (2 pages)

- Processing fee form (1 page)
3. Fill the project proposal format. Upload the pdf of the same in the Google Forms
    - File name should be “01\_Title of the Project” and file size should be less than 3 MB
  4. Fill the Declaration form by the project team and endorsement by the institution (2 pages) and get it duly signed by respective authorities as mentioned in the form. Upload the scanned pdf file of the same in the Google Forms
    - Syntax for the file name – “02\_Title of the Project\_declaration\_endorsement” and file size should be less than 1 MB
  5. Fill the processing fee form and get it duly signed by respective authorities as mentioned in the form. Upload the scanned pdf file of the same in the Google Forms
    - Syntax for the file name – “03\_Title of the Project\_ProcessingFee” and file size should be less than 1 MB
  6. Fill the Google forms and upload the 3 pdf files as mentioned above.
  7. After filling the Google Forms, a single pdf file combining the above mentioned 3 files should be sent by email to spp@kscst.org.in.
    - Google Forms link – <https://forms.gle/pMfzw4iKL7LNAojd8>

KSCST sponsored project details from 1977-78 to 2014-2015, and SPP Projects Compendium up to the 45<sup>th</sup> Series of SPP information is available online on the KSCST website as "SPREAD Online". The abstract and full version of 7 years reports is also available. This provides students, with 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> or <https://www.kscst.org.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](http://www.kscst.iisc.ernet.in/spp/42_series/41S_awarded_further_devpt_projects.pdf)

The project sanction letter will be sent to the principal of the institution with copies to the Project guide and Head of the Department (by email). The sanctioned amount will be transferred to the account provided by the institute. During the Seminar and Exhibition, the “**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.

Kindly visit our website [www.kscst.org.in/spp.html](http://www.kscst.org.in/spp.html) or <https://kscst.karnataka.gov.in/en> for further details and announcements.

\* ~ \* ~ \*