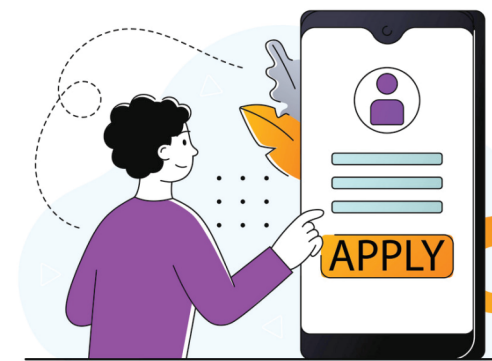# STUDENT PROJECT PROGRAMME
## (SPP - 48th SERIES: 2024 – 2025)

KSCST invites project proposals from the final year BE, B. Arch., M.Tech., M.Sc., M.Tech., / M.Sc. (Agriculture), MBA & MCA students for sponsorship, under the 48th series of Student Project Programme (SPP).

The project proposals has to be submitted through Google Form from **15th October 2024 to 30th November 2024**

**SPP 48th SERIES 2024 – 2025**

## Who can Apply

**Final year students of - B.E., B. Arch, M.Tech, M.Sc., M.Tech / M.Sc. (Agriculture), MBA and MCA**

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

- Technologies for Rural livelihood improvement (Focussing areas under energy, water, agriculture, environment, health, livelihood, green technology, assistive aid, handicraft, textile, animal health, post-harvest and education (project titles and areas for submitting the proposal is provided in the website)
- Structural Engineering, Geotechnical Engineering, Geomatics, Construction Technology and Management
- Water and Environment Engineering, Transportation Engineering, Industrial and System Engineering
- Energy Engineering, Energy for Sustainable Development, Waste Management
- Data Science, Cyber Security, Computing, Pattern Recognition and Image Processing, Signal Processing
- Big Data, integrating Internet of Things, Artificial Intelligence, Data Engineering, Robotics (agriculture, health, education, digital literacy, assistive aid)
- Networking and Communication Engineering, Embedded Systems, VLSI Design, Robotics
- Power System Engineering, Electric Vehicles, Smart Grid Technologies and Micro-grids
- Materials and Design Engineering, Thermal and Fluid Engineering, Manufacturing Processes and Analysis
- Control and Automation, Biomedical Engineering, Sensors and Measurement Techniques
- Rural Engineering and Technical support, Smart cities and infrastructure development
- Biological / Medical Science, Physical Science, Chemical Science, Agriculture Science, Biotechnology
- Healthcare management, Information Technology, Resources and Environmental Management.

## How to apply

- The Project Proposals shall be prepared as per the SPP proposal format available in KSCST website.
- Each institution can submit maximum of only 20 proposals from each branch.
- The concerned faculty shall initially scrutinize the project proposals, conduct in-house evaluation of projects and then submit the best project proposals for support.
- The project team shall have a maximum of 4 students and each project team shall submit only one proposal as per the themes indicated above. Any other project proposals will not be considered and are liable for rejection.
- The team leader of the project needs to mandatorily fill the Google Form (Link: https://forms.gle/ks2WxWB4ei1hgv9D9)
- Please go through the "instructions for submission of project proposal" published in the website.
- The processing fee of Rs. 1,180/- (Rupees One Thousand One Hundred and Eighty only, inclusive of GST) to be paid through NEFT transfer / UPI Payment only (Bank details of KSCST is in the project proposal format, available in Website).

- The processing fees paid for the project proposal is non-refundable / non-transferable.
- The proposal accepted only through Google form with the following attachments. (Students / institutions shall not send the hardcopy of the project proposals to KSCST)
  a. Pdf of project proposal with attestation from Project guide / head of the department and institution
  b. Scanned copy of Declaration and Endorsement from Head of the Institution
  c. Copy of Processing fee details
- The Details of SPP Co-ordinator is mandatory for the submission of the proposal.
- The last date for submission of project proposal will not be extended and is as per the schedule.

## Evaluation Process:

- 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.
- The sponsored projects will be evaluated by an expert committee, either offline / online and then shortlisted for final state-level poster presentation and exhibition.
- The shortlisted projects after mid-term evaluation will be called for State level poster presentation / exhibition followed by evaluation for the coveted "Best Project of the Year Award".

# DATES TO REMEMBER

| | |
|---|---|
| Last date for Submission of Proposals via Google Form | 30 November 2024, 5.30 PM |
| Announcement of Selected Projects for Sponsorship | February / March 2025 |
| Midterm Evaluation of Sponsored Projects (Online Mode) | March - April 2025 |
| Synopsis & Final Project Report submission through Google Form | April - May 2025 |
| State-Level Poster Presentation and Exhibition of Selected Projects | May - June 2025 |

**NOVEMBER 2024**

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
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| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |

# 48th series of Student Project Proposal: 2024-2025

**Important Dates:**

| | |
|---|---|
| Commencement of Submission of Proposals via Google Form | 15th October 2024 |
| Last date for Submission of Proposals via Google Form | 30st November 2024, 5.30 PM |
| Announcement of Selected Proposals for Sponsorship | February / March 2025 |
| Midterm Evaluation of Sponsored Projects (Online Mode) | March - April 2025 |
| Synopsis & Final Project Report submission through Google Form | April / May 2025 |
| State-Level Poster Presentation and Exhibition of Selected Projects | May / June 2025 |

## Instructions for Submission of Project Proposal

The project proposal for the 48th series of the Student Project Programme (SPP) shall be applied by Google Forms only. **Do not send the hard-copy of the proposal. Submission of project proposals in any other mode will not be accepted.**

**Eligibility:**

1.  The project proposals are accepted from the institutions / Universities established within the state of Karnataka.

2.  Students studying in the final year B.E., B. Arch., M. Tech, M.Sc., M.Sc./M. Tech (Agriculture), M.B.A. and M.C.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.  Each team is allowed to submit only one project proposal.

5.  A student shall not be associated with more than one project.

6.  The project proposals must be submitted with attestation from the Project Guide and HOD / The Principal of the institution.

**Processing Fee:**

1.  Payment of processing fee of Rs. 1180/- (Inclusive of GST) 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.  Project proposals will not be considered for evaluation without processing fees.

4.  The Processing fee paid is non-refundable and non-transferable irrespective of the selection/rejection of the project proposal.

1. The institute **shall nominate only one faculty as the SPP Co-ordinator** with whom KSCST can interact regarding the activities of the 48th series of SPP.

2. The number of proposals submission from each institution is restricted to a maximum of only 20 proposals per branch.

3. The concerned faculty shall initially scrutinize the project proposals, conduct in-house evaluation of projects and then submit the best project proposals for support.

4. Review proposals and submit only high-quality ones for consideration.

5. Ensure there is no tolerance for plagiarism or any form of academic dishonesty.

6. Provide students with access to laboratory facilities to carry out their project work.

7. Shall **create an email id specifically for SPP** and circulate it among the students, and SPP coordinator of the institute. The email ID shall be mentioned in the SPP coordinator details in the proposal and Google Forms.

8. All circulars and information will be communicated to the SPP coordinator via the same email ID. SPP coordinator shall use the same ID to communicate with KSCST.

9. KSCST is not responsible for non-receipt of any communication due to a wrong email ID provided in the Google Form.

10. The amount sanctioned will be transferred to the account furnished by the institute. The details regarding the same will be announced on the website.

11. 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).

12. The institution must have submitted the **Utilization Certificate** and **Statement of Expenditure** for the previously sanctioned projects (previous years sanctioned amount) and must not have any outstanding dues related to the submission of **UC/SoE**.

**Role of SPP Coordinator:**

1. The SPP coordinator shall communicate with KSCST, the institution and students in the entire process of SPP.

2. Make sure the projects submitted by the students are as per the guidelines specified by KSCST and are submitted on time.

3. The **SPP Coordinator shall prepare and send the consolidated list of projects applied under the 48th series** to KSCST duly signed by the principal **on or before 31st December 2024**. The List shall include the Project title, Branch, Guide and student name.

4. Once the project gets selected and sponsored, the SPP coordinators shall make sure the students participate in the mid-term evaluation and state-level poster presentation & exhibition.

5. Shall monitor the progress of the project and utilization of the funds released.

6. Make sure the project team submits the synopsis and softcopy of the project reports in the stipulated time.

7. 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).

**Instructions to the students:**

1. The title of the project should be precise and indicative of the project's scope, steering clear of overly general titles and clearly define the scope of your work that is achievable within the project timeline.

2. Proposals must include a review of existing literature, comparisons, methodology and detailed experimental plans.

3. Projects should focus on technology integration and practical application rather than theoretical concepts.

4. Projects with a multidisciplinary approach are preferred.

5. Emphasis should be placed on modern technologies rather than traditional ones. Emphasize innovation in the project.

6. Students should approach their projects with seriousness and a clear understanding of their importance.

7. Projects centred on applications in fields such as medicine, agriculture, rural development, waste management, urban infrastructure, and transportation are encouraged.

8. Avoid duplicating devices already available in the market.

9. Projects focusing on sectors like agriculture, medicine, transportation, and urban systems should identify experts and institutions / hospitals / industry for consultation and verification of processes.

10. Utilize substantial data, concentrating on activities within the state, and leverage the rich data sources available rather than relying solely on internet sources.

11. Avoid excessive simulation, assumptions, and the use of tools.

12. Plan experiments to validate hypotheses rather than assuming everything will function as expected.

13. 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.

14. 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

15. Any changes in the project team (students) will not be allowed.

16. 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).

17. Participation in the mid-term/nodal centre evaluation and Poster-Presentation & Exhibition is mandatory for the selected project teams.

18. 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

19. Google Forms shall be filled with utmost care. SPP Coordinator details shall be collected from your institutions before filling the Google Forms.

The project proposals are accepted in the form of softcopy by GOOGLE FORM. **Do not send the hard copy of the proposals.** Non-submitting project proposals through Google Forms shall not be considered for the evaluation process.

**Steps to follow:**

**Step 1:**

Download and prepare the following .doc files (3) available on the website.

- Project Proposal Format. (Prepare pdf file from MS Word file) duly signed copy will only be considered.
- Declaration form by the project team and endorsement by the institution. (2 pages)
- Processing fee form. (1 page)

**Step 2:**

Pay the processing fee of Rs. 1,180/- (Rupees one thousand one hundred and eighty only) by NEFT / UPI payment mode. You may also use QR Code for making payment.

- Bank account details of KSCST are available on the last page of the project proposal format.
- The transaction details and a copy of the receipt of the online payment made shall be uploaded on Google Form.

**Step 3:**

1. Fill the project proposal format, convert to pdf and upload the PDF of the same in the Google Form (Duly signed copy will only be considered).
   - Syntax for the File name should be "01_ *Title_of_the_Project.pdf*" and should be less than 3 MB
2. Fill the Declaration form 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 Form
   - Syntax for the File name should be "02*_Title_of_the_Project_declaration_endorsement.pdf*" and should be less than 1 MB
3. 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 Form
   - Syntax for the File name should be – *"03_ Title_of_the_Project_Processing_Fee"* and should be less than 1 MB
4. The Receipt of the application fee paid (Generated by the fee paid App).

**Note:** The title of the project may often be lengthy. Therefore, it is advisable to use key words from the project title for clarity and brevity.

**Step 4:**

Fill the Google form and upload the 4 PDF files as mentioned above.

- The Google form shall be filled using Gmail ID only.
- Once the Google Forms are submitted, no changes can be made or allowed. Hence fill with utmost care.
- All entries other than email id should be in UPPERCASE
- Do not use extra space in between words.
- Google Forms link – https://forms.gle/ks2WxWB4ei1hgv9D9

The project sanction letter for the sponsored projects will be sent to the principal of the institution with copies to the team leader, Project guide and Head of the Department (by email).

The sanctioned amount will be transferred to the account provided by the institute.

During the Annual State-Level Poster Presentation and Exhibition, the **"Best Project of the Year Award"** will be presented to the outstanding projects with a cash prize (for Students team) and certificates to all participants of the State-Level Poster Presentation and Exhibition on the day of event.

KSCST sponsored project details from 1977-78 to 2014-2015, and SPP Projects Compendium up to the 47th 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. Repetitive projects will not be considered.

http://www.kscst.iisc.ernet.in/sppArchive/public/index.php

The details of the Awarded projects are hosted in the KSCST – SPP Website.

https://www.kscst.org.in/spp.html

Kindly visit our website www.kscst.org.in/spp.html or https://kscst.karnataka.gov.in/en for further details and announcements.

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# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science campus, Bengaluru

## STUDENT PROJECT PROGRAMME (SPP)

*(Note: This page is for information about bank details of KSCST to the student team and college / institution)*

# BANK ACCOUNT DETAILS OF KSCST

| | |
|---|---|
| Name and address of the Institution | Karnataka State Council for Science and Technology, IISc Campus, Bangalore -560012 |
| Account holder's name / Designation | Secretary, Karnataka State Council for Science and Technology |
| Bank Account No. & Name of the bank | Current A/C No. 0683201000024 Canara Bank, IISc Campus Branch, Bangalore-560012 |
| IFSC Code | CNRB0000683 |
| MICR Code | 560015023 |
| Bank Branch Address | Canara Bank, Indian Institute of Science, Bangalore-560012 |

## BANK DETAILS

| | |
|---|---|
| Name of the Agency | Karnataka State Council for Science and Technology IISc Campus, Bangalore - 560012 |
| Account holder's name / Designation | Secretary , Karnataka State Council for Science and Technology |
| Bank Account No. & Name of the bank | Current A/C No. 0683201000024 Canara Bank IISc Campus Branch Bangalore-560012 |
| IFSC Code | CNRB0000683 |
| MICR Code | 560015023 |
| Bank Branch Address | Canara Bank Indian Institute of Science Bangalore-560012 |

DIGIधन

केनरा बैंक Canara Bank
भारत सरकार का उपक्रम A Government of India Undertaking

सिंडिकेट Syndicate

KARNATAKA STATE COUNCIL FOR SCIENCE



0683201000024@cnrb

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BHARAT INTERFACE FOR MONEY | UPI
UNIFIED PAYMENTS INTERFACE

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वसुधैव कुटुम्बकम्

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