

109 D. (13) Academia and Industrial Interaction Cell (AIIC)

Preamble:

KSCST initiated Student Project Programme (SPP) to encourage innovative ideas from Science and Engineering students of the state since 1977-78.

Objectives:

- Creativity of students applied to solve development problems of our people and State through Science and Technology.
- Enriching science and technical college education towards finding solutions to everyday real-life problems.
- Solutions to regional specific problems will be identified by empowering creative projects in students.
- To recognize and encourage students' innovative and research interest.

Activities/Progress: April – November 2024

a) Student Project Programme (SPP)

47th Series of Student Project Programme (SPP)

KSCST invited project proposals from final-year students (BE, B. Arch., M.Tech., M.Sc., MBA, MCA) for the 47th Series of Student Project Programme (SPP). A total of 6,043 proposals were received from 201 institutions statewide.

Evaluation and Approval

- Expert Evaluation: Projects evaluated by experts from IISc, NAL, CMTI, and KSCST.
- Approved Projects: 1,530 projects approved for financial support totaling Rs. 77,39,550.

Breakdown of Approved Projects:

Sl. No.	Course / Degree	Total No. of projects submitted	No. of Projects Approved	Total Amount Sanctioned (Rs.)
1	B.E.	5,340	1,285	64,36,300.00
2	M.B.A	193	63	2,39,250.00
3	M.C.A.	97	33	1,56,500
4	M.Sc	268	106	6,59,500
5	M.Tech	138	41	2,31,500.00
6	M.Tech / M.Sc (Agri)	7	2	16,500.00
	Grand Total	6,043	1,530	77,39,550

Funding support from AI & Robotics Technology Park (ART-Park): Supported for AI, ML, and robotics projects, leading to 124 projects funded for Rs. 6,23,500.

- Total Projects Supported: 124
- Breakdown:
 - B.E.: 113 Projects
 - MCA: 4 Projects
 - M.Sc.: 3 Projects
 - M.Tech.: 4 Projects

Additional Funding for Bioenergy Projects: KSCST allocated Rs. 71,16,050 to 1,406 projects, including 57 Biofuel projects supported by the Karnataka State Bioenergy Development Board (KSBDB) with a budget of Rs. 3,04,000.

Mid-term Evaluations: Mid-term evaluations were conducted between May and June 2024, with 68 online sessions facilitated by 41 experts. Out of 1,530 projects, 1,419 were evaluated.

Annual State-level Poster Presentation and Exhibition

- Colleges / Institutions: 142
- Districts Covered: 26

A total of 354 projects were recommended for the Annual State-level Poster Presentation and Exhibition, including:

- 153 projects for Poster Presentation
- 201 projects for Exhibition
- 30 projects supported by ART-Park, with 8 for Poster Presentation and 22 for Exhibition.

15 projects supported by KSBDB, with 10 for Poster Presentation and 5 for Exhibition.

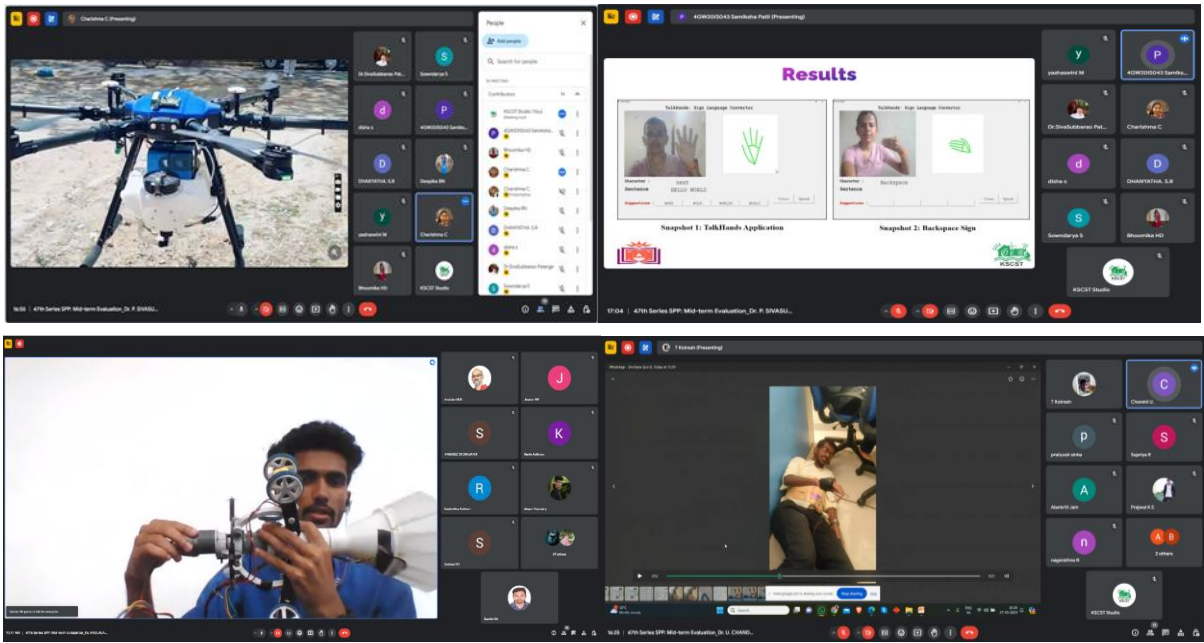
47th edition of Student Project Programme: Annual State-Level Poster Presentation and Exhibition

The annual state-level poster presentation and exhibition were held on 9th and 10th August 2024 at Sharnbasva University, Kalaburagi. The two-day event demonstrated and presented the selected 354 projects for the academic and public.

During the poster presentation and exhibition, the experts reviewed each of the projects and recommended a total of 48 projects for the “Best Project of the Year” award. Notably:

- Three of the awarded projects were supported by ART-Park, IISc.
- Two projects received awards from the Karnataka State Bioenergy Development Board, Government of Karnataka.

Additionally, Dayananda Sagar College of Engineering, Bengaluru was recognized with the “Best Performing College” award. The awards were presented during the valedictory function held on 10th August 2024 at 3:00 PM at Doddappa Appa Auditorium, Sharnbasva University, Kalaburagi.



Midterm evaluation of projects carried out during May-June 2024 to identify potential projects for state-level Poster Presentation and Exhibition





Annual State-Level poster presentation and exhibition and student participation in the two-day event held at Sharnbasva University, Kalaburagi

Initiation of 48th Series of Student Project Programme (SPP)

KSCST initiated 48th Series of Student Project Programme during October 2024. Invited project proposals from final-year students of various programs, including B.E., B.Arch., M.Tech., M.Sc., M.Sc./M.Tech (Agri), MCA, and M.B.A. across the State. A poster in this regard has been printed and circulated to all engineering institutions and universities across the state for submission of project proposals from final year students.

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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 the projects and then submit the best project proposals for support.
- The project teams 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/kzWvW84e1h9y9D8>)
- Please go through the "instructions for submission of project proposal" published in the website.
- The processing fee of Rs. 1,100/- (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 projects 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 short-listed for final state-level poster presentation and exhibition.
- The short-listed 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

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

THIS PROGRAMME IS SUPPORTED BY: Department of Science and Technology, Government of India and Department of Science and Technology, Government of Karnataka