

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

41st SERIES OF STUDENT PROJECT PROGRAMME : 2017 - 2018

Important: Please read the guidelines to carry out the projects.

The sanction order for the project proposals listed below will be dispatched to respective engineering colleges in the name of Principal and copy to HOD and concerned Guide of the project.

The following are the guidelines to carry out the project work:

- a. The project should be performed based on the objectives of the proposal sent by you.
- b. The project should be completed in all respects and **one copy of the hardbound report along with softcopy of the full report (including coverpages, abstract and preliminary pages) in a CD (.pdf format)** should be submitted to KSCST.
Any change in the **project title and objectives, etc., or students is liable to rejection of the project** and the amount sanctioned needs to be returned back to KSCST.
- c. Please quote your project sanctioned reference number in all your future correspondences.
- d. **Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent via email [spp@kscst.iisc.ernet.in] consisting of the following points:
 1. Title of the project
 2. Name of the College & Department
 3. Name of the students & Guide(s) (with email id and cell no. if any)
 4. Keywords
 5. Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
 6. Objectives (about 10 lines)
 7. Methodology (about 30 lines) (materials, methods, details of work carried out, including drawings, diagrams etc)
 8. Results and Conclusions (about 20 lines with specific reference to work carried out)
 9. Scope for future work (about 20 lines).
- e. Projects selected for Seminar and Exhibition will be awarded with prize books & certificates.

Note: The softcopy of the above said write-up in MS Word format should be forwarded to email id (spp@kscst.iisc.ernet.in) through the project guide indicating the **project proposal reference number in the subject line.**)

THE SANCTIONED AMOUNT WILL BE SENT SEPARATELY BY KSCST ACCOUNTS DEPARTMENT TO THE COLLEGE IN THE NAME OF THE PRINCIPAL DIRECTLY BY CROSSED CHEQUE.

- The sponsored projects evaluation will be held in the Nodal Centre.
- The Nodal centre will be in one of the engineering college at the regional level.
- It is mandatory for a sponsored project to demonstrate their project out comings at the nodal centre.
- The list of nodal centre will be communicated to the Principal of respective engineering colleges and will also be announced in website.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned back to KSCST.
- After completion of the project, brief summary (about 2 pages) as per the format indicated above (d) needs to be sent via email (spp@kscst.iisc.ernet.in).

For more details if any please contact Dr. S. G. Sreekanteswara Swamy, Executive Secretary, KSCST

Email: spp@kscst.iisc.ernet.in

Mr. K. N. Venkatesh, Programme Co-ordinator, SPP, KSCST

Email: knv@kscst.iisc.ernet.in

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LIST OF PROJECTS SANCTIONED UNDER THE 41ST SERIES OF STUDENT PROJECT PROGRAMME FOR FURTHER IMPROVEMENT / DEVELOPMENT OF PROTOTYPE

1. A.M.C. ENGINEERING COLLEGE, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	SANCTIONED AMOUNT (in Rs.)
1.	41S_BE_2290	ADVANCED AUTOMATED PROSTHETIC LIMB	MECHANICAL ENGINEERING	BE	Prof. MADHU MOHAN R	Ms. AKSHIT G	9000.00

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2. A.T.M.E. COLLEGE OF ENGINEERING, MYSURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	SANCTIONED AMOUNT (in Rs.)
2.	41S_BE_0009	DESIGN AND FABRICATION OF A SMART WATER VENDING MACHINE	MECHANICAL ENGINEERING	BE	Mr. RAKSHITH N	Mr. SUNIL KUMAR M K	10000.00

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3. ACHARYA INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	SANCTIONED AMOUNT (in Rs.)
3.	41S_BE_1330	INTELLIGENT MINE EXPLORATION,RECOVERY AND SECURING INSTRUMENT	MECHATRONICS	BE	Prof. L RANGANATH GOWDA	Ms. FAZILAI FATIMA MOHAMAD CHAROLIA	9000.00

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4. ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BELAGAVI

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	SANCTIONED AMOUNT (in Rs.)
4.	41S_BE_0315	DEVELOPMENT AND MODIFICATION OF PALLET MAKING MACHINE USING AGRO RESIDUE AS RAW MATERIAL AND TO CHECK THE CALORIFIC VALUE OF PALLETS FOR DIFFERENT COMPOSITION.	MECHANICAL ENGINEERING	BE	Prof. V. SUSHANTHKUMAR	Mr. PUNEET S DEMASHETTI	8000.00

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5. B.L.D.E.A's VACHANA PITAMAHA Dr. P. G. HALAKATTI COLLEGE OF ENGINEERING AND TECHNOLOGY, VIJAYAPURA

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	SANCTIONED AMOUNT (in Rs.)
5.	41S_BE_0002	DESIGN AND FABRICATION OF TRICYCLE FOR SPECIALLY ABLED PERSONS USING NOVEL PROPULSION MECHANISM REQUIRING LESS EFFORT AND MORE COMFORT	AUTOMOBILE ENGINEERING	BE	Prof. IRESH G. BHAVI	Mr. MALLIAKRJUN ANGADI	10000.00

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6. B.M.S. INSTITUTE OF TECHNOLOGY AND MANAGEMENT, YELAHANKA, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	SANCTIONED AMOUNT (in Rs.)
6.	41S_BE_1627	DEVELOPING ERP FOR ALL CALIBRATION SERVICES FOR FLUTECH ENGINEERING PVT.LTD	INFORMATION SCIENCE AND ENGINEERING	BE	Mrs. ASHWINI N	Mr. SAI DUTT	7000.00

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7. BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	SANCTIONED AMOUNT (in Rs.)
7.	41S_BE_2839	MODIFIED NATURAL FIBRE EXTRACTOR	TEXTILE TECHNOLOGY	BE	Prof. K.MURUGESH BABU	Mr. RANGANATH S M	9000.00

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8. CHANNABASAVESHWARA INSTITUTE OF TECHNOLOGY, TUMAKURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	SANCTIONED AMOUNT (in Rs.)
8.	41S_BE_0007	FABRICATION OF REMOTE OPERATED MULTIFUNCTIONAL UNMANNED VEHICLE FOR AGRICULTURAL PURPOSE USING SOLAR ENERGY	MECHANICAL ENGINEERING	BE	Prof. NATESH C.P.	Mr. CHANDRASHEKHARE GOWDA B S	8000.00

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9. CITY ENGINEERING COLLEGE, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	SANCTIONED AMOUNT (in Rs.)
9.	41S_BE_0609	DESIGN AND FABRICATION OF SOLAR POWERED TECHNOLOGY FOR AQUATIC WEED CONTROL AND AERATION IN LAKES	MECHANICAL ENGINEERING	BE	Prof. HARSHA VARDHAN U	Mr. MOHD MAHIN LONE	10000.00

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10. GOVERNMENT ENGINEERING COLLEGE, HAVERI

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	SANCTIONED AMOUNT (in Rs.)
10.	41S_BE_0865	SMART NAVIGATIONAL ASSISTANCE STICK FOR BLIND AND VISUALLY IMPAIRED PERSONS	ELECTRONICS AND COMMUNICATION ENGINEERING	BE	Prof. HARISH H M	Ms. SOUBHAGYA R BHAT	8000.00

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11. H.K.B.K. COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	SANCTIONED AMOUNT (in Rs.)
11.	41S_BE_1308	EXTENSIVE AND EFFECTIVE FIRE EXTINGUISHING SYSTEM FOR DOMESTIC PURPOSE	INFORMATION SCIENCE AND ENGINEERING	BE	Dr. SYED MUSTAFA A	Mr. MOHAMMED RAYYAN S	8000.00
12.	41S_BE_1309	ADVANCED ACTIVE DETECTION AND PREVENTION OF WATER LEAKAGE IN CONCEALED PIPES	INFORMATION SCIENCE AND ENGINEERING	BE	Dr. SYED MUSTAFA	Mr. MARIO DOMINIC J	8000.00
13.	41S_BE_1310	FORTIFICATION OF COLD STORAGE MANAGEMENT SYSTEM FOR FARMERS USING IOT	INFORMATION SCIENCE AND ENGINEERING	BE	Dr. SYED MUSTAFA A	Ms. SANIA RIZA K	8000.00

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12. K.L.E. Dr. M.S. SHESHGIRI COLLEGE OF ENGINEERING AND TECHNOLOGY, UDYAMBAG, BELAGAVI

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	SANCTIONED AMOUNT (in Rs.)
14.	41S_BE_2756	WIRELESS SAFE, SMART AND SECURED DRIVING SYSTEM VERSION 2.0	ELECTRONICS AND COMMUNICATION ENGINEERING	BE	Dr. RAJASHRI KHANAI	Mr. PRAFUL PANDURANGASA KABADI	7000.00

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13. K.L.E. INSTITUTE OF TECHNOLOGY, HUBBALLI

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	SANCTIONED AMOUNT (in Rs.)
15.	41S_BE_0511	AUTOMATED ELECTRICITY USAGE MONITORING AND BILLING SYSTEM	INFORMATION SCIENCE AND ENGINEERING	BE	Mr. NAVEEN N M	Mr. KIRAN N PATEL	6000.00

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14. K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	SANCTIONED AMOUNT (in Rs.)
16.	41S_BE_0008	SMART GARBAGE MANAGEMENT SYSTEM USING IOT	COMPUTER SCIENCE AND ENGINEERING	BE	Prof. SANTOSH KUMAR J.	Mr. KIRAN B.	6000.00

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15. MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOOBBIDRI

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	SANCTIONED AMOUNT (in Rs.)
17.	41S_BE_0004	MULTINOZZLE MANUALLY OPERATED SPRAYER	MECHANICAL ENGINEERING	BE	Prof. SUNILKUMAR M R	Mr. HARSHA RAHUL CRASTA	8000.00

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16. RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	SANCTIONED AMOUNT (in Rs.)
18.	41S_BE_0010	SMART WATER USAGE AND QUALITY CHECK METER	ELECTRONICS AND COMMUNICATION ENGINEERING	BE	Mrs. SUJATHA B.	Ms. RAJNI KUMARI SAH	7000.00

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17. SAMBHRAM INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	SANCTIONED AMOUNT (in Rs.)
19.	41S_BE_1493	ELECTRONIC BASED ARTIFICIAL INTELLIGENT SYSTEM FOR MILK QUALITY ANALYSIS	ELECTRONICS AND COMMUNICATION ENGINEERING	BE	Prof. RAJASHEKHAR B.S.	Ms. ANAMIKA	8000.00

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18. SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMAKURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	SANCTIONED AMOUNT (in Rs.)
20.	41S_BE_2256	GESTURE CONTROLLED ROBOTIC LEG FOR PARALYSIS PATIENTS	ELECTRONICS AND COMMUNICATION ENGINEERING	BE	Prof. AIJAZ AHAMED SHARIEF	Mr. SUMAN TAJ B.K.	8000.00

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19. ST. JOSEPH ENGINEERING COLLEGE, MANGALURU

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21.	41S_BE_1514	DESIGN AND FABRICATION OF AUTOMATIC ARECANUT PROCESSING UNIT	MECHANICAL ENGINEERING	BE	Mr. YATISH KUMAR K.	Mr. ROYSTON SHAWN LOUIS	10000.00

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20. T. JOHN INSTITUTE OF TECHNOLOGY, BENGALURU

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22.	41S_BE_0003	MODIFIED CATALYTIC CONVERTER AND RESONANCE FOR EXHAUST SYSTEM	MECHANICAL ENGINEERING	BE	Dr. M. SAKTIVELU	Mr. BHARAN KUMAR A	8000.00

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21. THE OXFORD COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	SANCTIONED AMOUNT (in Rs.)
23.	41S_BE_0001	PITCH BASED HUMAN COMPUTER INTERFACE FOR QUADRIPLAGIC AND SPEECH IMPAIRED	ELECTRONICS AND COMMUNICATION ENGINEERING	BE	Dr. PREETA SHARAN	Mr. NITHIN GOWDA M.R.	8000.00

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22. V.S.M. INSTITUTE OF TECHNOLOGY, NIPPANI

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24.	41S_BE_0005	SMART ARECANUT FARMING AND HARVESTING ROBOT MACHINE	MECHANICAL ENGINEERING	BE	Prof. AMAR V. NAVALIHALKAR	Mr. TUSHAR N. KAMATE	8500.00
25.	41S_BE_0006	DESIGN - OPTIMISATION AND DEVELOPMENT OF ROBUST MULTIPURPOSE CUTTING MACHINE FOR AGRICULTURAL USAGE	MECHANICAL ENGINEERING	BE	Prof. MAHADEV N. HARKUDE	Mr. AKASH A. DESHPANDE	8000.00

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23. VIVEKANANDA COLLEGE OF ENGINEERING AND TECHNOLOGY, PUTTUR

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26.	41S_BE_0622	SMART RUBBER TAPPING MACHINE USING IoT	ELECTRONICS AND COMMUNICATION ENGINEERING	BE	Ms. SANGEETHA B L	Mr. HARIKRISHNAN V	8000.00

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24. YENEPLOYA INSTITUTE OF TECHNOLOGY, MOODBIDRI

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27.	41S_BE_0916	DESIGN AND DEVELOPMENT OF WINDMILL AND SOLAR POWER OPERATED WATER PUMP	MECHANICAL ENGINEERING	BE	Prof. VANI R	Mr. SAMEERA JAIN	8000.00