



RajaRajeswari College of Engineering



(Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi)

Sponsored by: MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST

CRITERIA – 3.1.1

AY 2023-24

3.1.1. Statement of income and expenditure in the institution during the year 2023-24 (INR in Lakhs)

Sl No.	Name of the Awarding Agency	Nature of the Award	Grant Received	Grant Expenditure
2023-24				
1	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	3.5085	3.5085
Total Amount			3.5085	3.5085

Campus: #14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru – 560074

Phone:+91-80-28437124 / 28437375

Email Id:

principal@rrce.org

Website: <https://www.rrce.org>



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CRITERIA – 3.1.1

AY 2023-24

3.1.1. Grants received from Government and non- Government agencies for research projects, endowments in the institution during the year 2023-24 (INR in Lakhs)

Sl No.	Name of the Project	Name of the awarding agency	Nature of the award	Amount of grant for research	Date and duration of the project
1	Development of NLP-powered semantic analysis for document understanding	Karnataka State Council for Science and Technology(KSCST) , Govt. of Karnataka	Government	0.05	19/04/2024, 1 Year
2	Finding suspect and missing Person through CCTV footages	Karnataka State Council for Science and Technology(KSCST) , Govt. of Karnataka	Government	0.055	19/04/2024, 1 Year
3	Autism Care System for Improving Cognitive Ability of Children Using AI and IoT	Karnataka State Council for Science and Technology(KSCST) , Govt. of Karnataka	Government	0.05	19/04/2024, 1 Year
4	Smart Stroke Prediction	Karnataka State Council for Science and Technology(KSCST) , Govt. of Karnataka	Government	0.05	19/04/2024, 1 Year
5	Smart Self Defence band for Woman Safety	Karnataka State Council for Science and Technology(KSCST)	Government	0.035	19/04/2024, 1 Year

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CRITERIA – 3.1.1

AY 2023-24

		, Govt. of Karnataka			
6	Innovation in Train Defect Resolution	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.055	19/04/2024, 1 Year
7	Gesture controlled missile launch using Zigbee and Arduino	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.05	19/04/2024, 1 Year
8	Brain Tumour Detection and Classification	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.035	19/04/2024, 1 Year
9	Detection of Attacks in Network Using Machine Learning Algorithms	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.035	19/04/2024, 1 Year
10	Detection of cardiac Arrhythmia	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.035	19/04/2024, 1 Year
11	City cultivator- Smart urban farming tech	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.05	19/04/2024, 1 Year
12	Shopping Trolley - Presented in The Inventors	RRCE (SEED Money)	Private	0.5085	04/07/2024, 1 Year

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CRITERIA – 3.1.1

AY 2023-24

	challenge 2024				
13	3D Printing and Additive Manufacturing Technology	NCAM-ATEP FDP	Govt. of Telangana	2.5	29/11/2023, 1 Year

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Karnataka State Council for Science and Technology

(An autonomous organisation under the Dept. of Science & Technology, Govt. of Karnataka)

Indian Institute of Science Campus, Bengaluru – 560 012

Telephone: 080-23341652, 23348848, 23348849, 23348840

Email: office.kscst@iisc.ac.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. U. T. Vijay
Executive Secretary

19th April, 2024

Ref: 7.1.01/SPP/37

To,
The Principal
Rajarajeshwari College of Engineering
#14 Ramohalli Cross Kumbalgodu Mysuru Road
Bengaluru - 560 074

Dear Sir/Madam,

Sub : Sanction of Student Project - 47th Series: Year 2023-2024

Project Proposal Reference No. : 47S_BE_4577


Ref : Project Proposal entitled **DEVELOPMENT OF NLP-POWERED SEMANTIC ANALYSIS FOR DOCUMENT UNDERSTANDING**

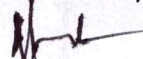
We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 47th Series". The project details are as below:

Student(s)	Mr. VENKATESH K.	Department	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
	Mr. NARESH A.		
	Mr. SRUJANSHEEL M. S.		
Guide(s)	Prof. DEEPA K. R.	Sanctioned Amount (in Rs.)	5,000.00

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/6s8hq5XbScsBMv3G9>. The synopsis should include following:
 - Project Reference Number
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords
 - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
 - Objectives (about 10 lines)


Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74


Professor & Head
Dept. of Artificial Intelligence & Machine Learning
RAJARAJESWARI COLLEGE OF ENGINEERING
Kumbalagodu, Mysore Road,
Bengaluru-560074

47S_BE_4577

- 8) Methodology (about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
 - 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
 - 10) Scope for future work (about 20 lines).
- e) In case of incometed projects, the sanctioned amount shall be returned to KSCST.
 - f) The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
 - g) The sponsored projects evaluation will be held **third week of May 2024** onwards through Online Mode and the details of the same will be intimated shortly by email / Website
 - h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and studetn(s) shall be uploaded in the following Google Forms Link <https://forms.gle/Mi446v1U5fdFcMD99>. The report should be prepared in the format prescribed by the university.
 - i) The **Utilization Certificate and Statement of Expenditure duly signed by competent authority** of consolidated sanctioned projects from your institution need to be submitted **20 August 2024** without fail.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

Yours sincerely,



(U T Vijay)

Copy to:

- 1) The HoD
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU
- 2) Prof. DEEPA K. R.
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU


Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Karnataka State Council for Science and Technology

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Dr. U. T. Vijay
Executive Secretary

19th April, 2024

Ref: 7.1.01/SPP/37

To,
The Principal
Rajarajeshwari College of Engineering
#14 Ramohalli Cross Kumbalgotu Mysuru Road
Bengaluru - 560 074

Dear Sir/Madam,

Sub : Sanction of Student Project - 47th Series: Year 2023-2024

Project Proposal Reference No. : 47S_BE_4227

Ref : Project Proposal entitled **FINDING SUSPECT AND MISSING PERSON THROUGH CCTV FOOTAGES**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 47th Series". The project details are as below:

Student(s)	Mr. SHIVAKUMAR B. S.	Department	COMPUTER SCIENCE AND ENGINEERING
	Mr. SHREENIDHI P.		
	Mr. SANGAMESH		
Guide(s)	Dr. D. KIRUBHA	Sanctioned Amount (in Rs.)	5,500.00

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/6s8hq5XbScsBMv3G9>. The synopsis should include following:
 - Project Reference Number
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords
 - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
 - Objectives (about 10 lines)

[Signature]
Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

[Signature]
Dr. D. KIRUBHA
Head of the Department,
Computer Science and Engineering,
Rajarajeshwari College of Engineering,
Bangalore - 560 074.

[Signature]
Dr. D. KIRUBHA
Head of the Department,
Computer Science and Engineering,
Rajarajeshwari College of Engineering,
Bangalore - 560 074.

- 8) Methodology (about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
 - 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
 - 10) Scope for future work (about 20 lines).
- e) In case of incometed projects, the sanctioned amount shall be returned to KSCST.
 - f) The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
 - g) The sponsored projects evaluation will be held **third week of May 2024** onwards through Online Mode and the details of the same will be intimated shortly by email / Website
 - h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and studetn(s) shall be uploaded in the following Google Forms Link <https://forms.gle/Mi446v1U5fdFcMD99>. The report should be prepared in the format prescribed by the university.
 - i) The **Utilization Certificate and Statement of Expenditure duly signed by competent authority** of consolidated sanctioned projects from your institution need to be submitted **20 August 2024** without fail.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,


Yours sincerely,



(U T Vijay)

Copy to:

- 1) The HoD
COMPUTER SCIENCE AND ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU
- 2) Dr. D. KIRUBHA
COMPUTER SCIENCE AND ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU
- 3) THE ACCOUNTS OFFICER,
KSCST, BENGALURU



Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru 7

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: www.kscst.org.in, <https://kscst.karnataka.gov.in> || Email: spp@kscst.org.in || Tel: 080-2334 1652, 2334 8848/49/40

47th series of Student Project Programme (SPP): 2023-24

List of Student Project Proposals Approved for Sponsorship

142. RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	AMOUNT SANCTIONED (Rs.)
1105.	47S_BE_4577	DEVELOPMENT OF NLP-POWERED SEMANTIC ANALYSIS FOR DOCUMENT UNDERSTANDING	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. DEEPA K. R.	Mr. VENKATESH K. Mr. NARESH A. Mr. SRUJANSHEEL M. S.	5,000.00
1106.	47S_MCA_0070	CITY CULTIVATOR: SMART URBAN FARMING TECH	M.C.A.	COMPUTER APPLICATIONS	Mr. DEERAJ C. Dr. T. SUBBURAJ	Mr. LAKSHMI KANTHA T. M. Mr. NAGENDRA KUMAR K. S. Mr. NIRMAL RAO S. Mr. KIRAN KUMAR S.	5,000.00
1107.	47S_BE_4227	FINDING SUSPECT AND MISSING PERSON THROUGH CCTV FOOTAGES	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. D. KIRUBHA	Mr. SHIVAKUMAR B. S. Mr. SHREENIDHI P. Mr. SANGAMESH	5,500.00
1108.	47S_BE_4880	GESTURE CONTROLLED MISSILE LAUNCH USING ZIGBEE AND ARDUINIO	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. UDHYAMI M. B.	Ms. SEETHA LAKSHMI PEROTH Ms. RIDA SHARIEF A. Ms. SHIVAMANI C. R.	5,000.00
1109.	47S_BE_0712	AUTISM CARE SYSTEM FOR IMPROVING COGNITIVE ABILITY OF CHILDREN USING AI AND IOT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. S. M. VIJAYA	Mr. MOHAMMED TAHIR HUSSAIN Ms. PRUTHVI SHREE S. N. Ms. RAKSHA M. Mr. UJWAL E.	5,000.00

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

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47th series of Student Project Programme (SPP): 2023-24

List of Student Project Proposals Approved for Sponsorship

1110.	47S_BE_1773	SMART STROKE PREDICTION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. V. SREEPATHI Prof. SURESH M.	Ms. POORNIMA R. Mr. AKSHAY KUMAR R. Mr. DEEPAK L. Ms. DHANUSHREE N. A.	5,000.00
1111.	47S_BE_1864	SMART SELF DEFENCE BAND FOR WOMEN SAFETY	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. DEEPIKA J. Prof. HARITHA K. SIVARAMAN	Ms. AISHWARYA M. Mr. K. JAI AKHIL Ms. LIKITHA S. Mr. RAKSHITH S.	3,500.00
1112.	47S_BE_3240	INNOVATION IN TRAIN DEFECT RESOLUTION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. AJAY M. Prof. SANTOSH CHAVAN	Ms. KALPITHA R. GOWDA Mr. JATHIN B. R. Mr. SRINIDHI R. K. Mr. M. SHIVA KRISHNA	5,500.00
1113.	47S_BE_4619	DETECTION OF ATTACKS IN NETWORK USING MACHINE LEARNING ALGORITHMS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Ms. SINCHANA M. N.	Mr. VIJAY G. Mr. SAGAR D. Mr. SATHWIK C. B.	3,500.00
1114.	47S_BE_4660	BRAIN TUMOR DETECTION AND CLASSIFICATION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Ms. SINCHANA M. N.	Mr. LOHITH T. V. Mr. RAVI KUMAR N. Mr. ROHAN S.	3,500.00
1115.	47S_BE_4851	DETECTION OF CARDIAC ARRHYTHMIA	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. DINESHKUMAR M.	Mr. AMOGH M. Mr. CHIRAG G. J. Mr. KUSHAL K.	3,500.00


Principal

RAJARAJESWARI

COLLEGE OF ENGINEERING

Channarayana Cross, Bengaluru 74

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47th series of Student Project Programme (SPP): 2023-24

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1109.	47S_BE_0712	AUTISM CARE SYSTEM FOR IMPROVING COGNITIVE ABILITY OF CHILDREN USING AI AND IOT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. S. M. VIJAYA	Mr. MOHAMMED TAHIR HUSSAIN Ms. PRUTHVI SHREE S. N. Ms. RAKSHA M. Mr. UJWAL E.	5,000.00

Handwritten notes in the bottom right corner, including a signature and some illegible text.

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1113.	47S_BE_4619	DETECTION OF ATTACKS IN NETWORK USING MACHINE LEARNING ALOGITHMS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Ms. SINCHANA M. N.	Mr. VIJAY G. Mr. SAGAR D. Mr. SATHWIK C. B.	3,500.00
1114.	47S_BE_4660	BRAIN TUMOR DETECTION AND CLASSIFICATION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Ms. SINCHANA M. N.	Mr. LOHITH T. V. Mr. RAVI KUMAR N. Mr. ROHAN S.	3,500.00
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EEE RRCE <eee.rrce2020@gmail.com>

Fwd: KSCST: 47th series Student Project Programme _ Midterm evaluation-reg

1 message

Kiruthi Km <kiruthi.km21@gmail.com>
To: eee.rrce2020@gmail.com

Mon, Sep 30, 2024 at 2:14 AM

----- Forwarded message -----

From: **udhyami m b** <mbudhyami@gmail.com>
Date: Mon, 30 Sep 2024, 14:38
Subject: Fwd: KSCST: 47th series Student Project Programme _ Midterm evaluation-reg
To: Kiruthi Km <kiruthi.km21@gmail.com>

----- Forwarded message -----

From: **SPP KSCST** <spp@kscst.org.in>
Date: Fri, 24 May 2024, 9:31 am
Subject: KSCST: 47th series Student Project Programme _ Midterm evaluation-reg
To: Venkatesh KN <knv@kscst.org.in>

Dear Students,

Greetings from Karnataka State Council for Science and Technology!

This email is to inform you that the midterm evaluation of your project for the 47th series SPP has been scheduled for **6 June 2024 (Thursday) at 9:15 AM via Google Meet**.

Please find below important details and instructions for the evaluation:

Google Meet Link: <https://meet.google.com/hni-uuqh-uuo>

Instructions:

1. The provided link is unique to each session. Kindly refrain from sharing it with other project teams.
2. Only team members are allowed to join and interact with the expert. The moderator will call upon each of the project team to interact with the expert. The project guides and co-guides may also participate using the same link.
3. Presentation/Demonstration Time: Each team will have 10-12 minutes to present and demonstrate their project. Following the presentation, there will be 2-3 minutes allocated for any queries from the expert panel.
4. Students are only permitted to present or demonstrate the project.
5. During the online evaluation, only 2 members per team are allowed to present.
6. Please ensure team members join the evaluation using laptops and avoid using mobile phones.
7. It is crucial to have stable internet connectivity to avoid interruptions during the session.
8. Find a well-lit space to demonstrate your working model effectively.
9. Prepare your presentation slides according to the KSCST template provided in the email. The template is also accessible on the KSCST website <https://www.kscst.org.in/spp.html>

RAJARAJESWARI
COLLEGE OF ENGINEERING
Bengaluru-70

10. Projects with a working model can skip the PPT presentation and directly showcase the working model in front of the camera (preferred).
11. Update the synopsis using the provided link: [<https://forms.gle/6s8hq5XbScsBMv3G9>] before **25th May 2024**. The synopsis should include:
 - a. Title of the project
 - b. Name of the College & Department
 - c. Names of Students & Guide(s) (including email id and phone number, if applicable)
 - d. Keywords
 - e. Introduction/background (around 20 lines)
 - f. Objectives (approximately 10 lines)
 - g. Methodology (about 30 lines, including materials, methods, and work details)
 - h. Results and Conclusions (roughly 20 lines with specific references)
 - i. Description of the innovation in the project
 - j. Future work scope (approximately 20 lines)


Upon completion of your project in all respect, submit a single PDF of the project completion report (with approval from Principal, HoD, and Guide) using this link:
<https://forms.gle/Mi446v1U5fdFcMD99>


Based on technical content, problem definition and understanding, depth, applicability, and innovativeness and working model of the project expert recommend project for State level Seminar and Exhibition.

Your cooperation in adhering to these guidelines is greatly appreciated.

Best regards,
Team SPP

2 attachments

 47th_series_SPP_Midterm_Evaluation_PPT_Format.ppt
307K

 47S_SPP_6June2024_Session3.pdf
893K


Principal

RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012
Website: www.kscst.org.in || Email: spp@kscst.org.in || Tel: 080-2334 1652, 2334 8848/49/40

47th series of Student Project Programme (SPP): 2023-24

MIDTERM EVALUATION

Date: 6 June 2024, 9.15 AM

Session Link: <https://meet.google.com/hni-uugh-uuo>

Note: Only the below-mentioned project teams should join the session

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE COLLEGE	NAME OF THE GUIDE (S)	NAME OF THE STUDENT (S)
1.	47S_MTech_0080	INTERACTIVE ENERGY MONITORING AND OPTIMIZATION SYSTEM FOR MICROBIAL FUEL CELL BASED ELECTRICITY GENERATION	M.Tech	ELECTRICAL AND ELECTRONICS ENGINEERING	B.M.S. COLLEGE OF ENGINEERING, BULL TEMPLE ROAD, BENGALURU	Dr. NETHRAVATHI S. Dr. B. VENKATESH	Mr. NAGENDRA REDDY H.
2.	47S_BE_4534	AUTONOMOUS LEGO LINE FOLLOWING ELECTRIC VEHICLE (EV) WITH SELF CHARGING TECHNOLOGY	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	K.L.E. INSTITUTE OF TECHNOLOGY, HUBBALLI	Dr. PRAKASH KERUR	Mr. SANKALP R. ANGADI MR. RAVI BADAWADAGI MR. SHASHANK S. HIREMATH MR. D. SAIKARTHIK
3.	47S_BE_4875	MULTI-INPUT DC-DC CONVERTER FOR HYBRID ELECTRIC VEHICLES	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	K.L.E. INSTITUTE OF TECHNOLOGY, HUBBALLI	Prof. KEERTHI KUMAR S. H.	Mr. VISHAL KARIGAR Mr. SHIVARAJ GUGRI Mr. VARUN TALWAR
4.	47S_BE_5233	VEHICLE EMISSION MONITORING, DETECTING AND TRACKING USING GPS & GSM	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	K.L.E. INSTITUTE OF TECHNOLOGY, HUBBALLI	Dr. PRAKASH KERUR Dr. PRAKASH KERUR	Mr. ATHAR PARVEZ MADAKI Mr. SAI PRASAD ACHARYA Mr. SALEEMAHAMAD NAGANOOOR Mr. SAYED ASEEL ATHAR KAZI


Principal

RAJARAJESHWARI
COLLEGE OF ENGINEERING

28.	47S_BE_4880	GESTURE CONTROLLED MISSILE LAUNCH USING ZIGBEE AND ARDUINO	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU	Prof. UDHYAMI M. B.	Ms. SEETHA LAKSHMI PEROTH Ms. RIDA SHARIFF A. Ms. SHIVAMANI C. R.
29.	47S_BE_2401	AUTOMATED SHOPPING TROLLEY FOR SUPER MARKET BILLING SYSTEM	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	RAJEEV INSTITUTE OF TECHNOLOGY, HASSAN	Mr. VELU A.	Mr. JEEVAN N. M. Mr. DARSHAN H. M. Mr. VINAYPRASAD H. M. Ms. SAHANA S. M.

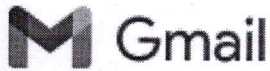


Principal

RAJARAJESWARI

COLLEGE OF ENGINEERING

Samahalli Cross, Bengaluru-71



EEE RRCE <eee.rrce2020@gmail.com>

Fwd: KSCST: 47th series Student Project Programme _ Sanction order

1 message

Kiruthi Km <kiruthi.km21@gmail.com>

To: eee.rrce2020@gmail.com

Mon, Sep 30, 2024 at 2:15 AM

----- Forwarded message -----

From: **udhyami m b** <mbudhyami@gmail.com>

Date: Mon, 30 Sep 2024, 14:37

Subject: Fwd: KSCST: 47th series Student Project Programme _ Sanction order

To: Kiruthi Km <kiruthi.km21@gmail.com>

----- Forwarded message -----

From: **udhyami m b** <mbudhyami@gmail.com>

Date: Mon, 13 May 2024, 12:33 pm

Subject: Fwd: KSCST: 47th series Student Project Programme _ Sanction order

To: crshivamani@gmail.com <crshivamani@gmail.com>

----- Forwarded message -----

From: **SPP KSCST** <spp@kscst.org.in>

Date: Thu, 9 May 2024, 11:57

Subject: KSCST: 47th series Student Project Programme _ Sanction order

To: deepa konidala <deepa.konidala@gmail.com>, Deeraj C 15 <deerajsimha@gmail.com>, Kirubha Durairaju <kirubhavasana@gmail.com>, udhyami m b <mbudhyami@gmail.com>, <vijaya@rrce.org>, Sreepathi Vishnumolakala <sreepathiv@gmail.com>, Deepika J <deepika7193@gmail.com>, <ajaym66@gmail.com>, <mnsinchana08@gmail.com>, <dineshkumar@rrce.org>, Dr Subburaj Thangavelu <shubhurajo@gmail.com>, sam psna <psna.sam@gmail.com>, Haritha K Sivaraman <harithainhere@gmail.com>, <santoshchavan@rrce.org>, Venky <venkybellara@gmail.com>, <lkanthlakshmisha218@gmail.com>, Shiva Shiv <shivashiv1816j@gmail.com>, <seethalakshmiperoth@gmail.com>, Mohammed Tahir Hussain <mohammedtahir4@gmail.com>, <rpoornimaramesh@gmail.com>, Aishwarya M <aishu852002@gmail.com>, <kalpithargowda@gmail.com>, <vijay7799rx@gmail.com>, <lohithv3423@gmail.com>, <amoghm712@gmail.com>, Dr. N. Sreenivasalu Reddy <nsreddyrce@gmail.com>, <nsreddyrce@gmail.com>, <nsreddyrce@rrce.org>
Cc: <principal@rrce.org>, Venkatesh KN <knv@kscst.org.in>

Principal

RAJARAJESWARI

COLLEGE OF ENGINEERING

Samohalli Cross, Bengaluru-7

Dear Student/Guides/ SPP Coordinators,

The midterm evaluation of the projects sponsored under the 47th series of the Student Project Programme (SPP) will start from 22nd May 2024. The detailed schedule of the same will be shared shortly and will also be announced in the website <https://www.kscst.org.in/spp.html>. The project team shall prepare and present the projects on the allotted date without fail irrespective of the completion of the project.

The evaluation will be conducted via online mode (Google Meet). The link will be shared in advance of the scheduled date. Do not share the Google Meet link to other project team members of your institution as there will be change of evaluation dates for other branches.

The link for updating the synopsis is <https://forms.gle/6s8hq5XbScsBMv3G9> and need to be sent consisting of the following points with the approval of the Project Guide.

- a) Title of the project
- b) Name of the College & Department
- c) Name of the Students & Guide(s) (with email id and cell no. if any)
- d) Keywords
- e) Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
- f) Objectives (about 10 lines)
- g) Methodology (about 30 lines) (materials, methods, details of work carried out, including drawings, diagrams etc).
- h) Results and Conclusions (about 20 lines with specific reference to work carried out).
- i) What is the innovation in the project?
- j) Scope for future work (about 20 lines).

After the completion of the project kindly updated the single pdf of the project completion report (With approval from Principal, HoD and Guide) in this link <https://forms.gle/Mi446v1U5fdFcMD99>

Regarding the 47th series SPP, we are enclosing the sanction order for each project sponsored. The SPP coordinator and respective project guides shall keep track of projects and ensure the projects are completed on time.

Any corrections in the guide and student's name shall be requested by email to spp@kscst.org.in within 2 days of receipt of the sanction order.

With regards,

Team SPP

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Student Project Programme

ವಿದ್ಯಾರ್ಥಿ ಯೋಜನೆ ಕಾರ್ಯಕ್ರಮ

Karnataka State Council for Science and Technology

ಕರ್ನಾಟಕ ರಾಜ್ಯ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಮಂಡಳಿ

Indian Institute of Science Campus, Bangalore - 560012


ಭಾರತೀಯ ವಿಜ್ಞಾನ ಸಂಸ್ಥೆಯ ಆವರಣ, ಬೆಂಗಳೂರು - ೫೬೦೦೧೨

Phone: 080-23341652, 23348848, 23348849, 23348840

Website: www.kscst.iisc.ernet.in or www.kscst.org.in


11 attachments


 47S_BE_3240.pdf
138K


 47S_BE_1773.pdf
150K

47S_BE_0712.pdf



Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74


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Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Karnataka State Council for Science and Technology

(An autonomous organisation under the Dept. of Science & Technology, Govt. of Karnataka)

Indian Institute of Science Campus, Bengaluru – 560 012

Telephone: 080-23341652, 23348848, 23348849, 23348840

Email: office.kscst@iisc.ac.in, office@kscst.org.in • Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. U. T. Vijay
Executive Secretary

19th April, 2024

Ref: 7.1.01/SPP/37

To,
The Principal
Rajarajeshwari College of Engineering
#14 Ramohalli Cross Kumbalgotu Mysuru Road
Bengaluru - 560 074

Dear Sir/Madam,

Sub : Sanction of Student Project - 47th Series: Year 2023-2024

Project Proposal Reference No. : 47S_BE_4880


Ref : Project Proposal entitled **GESTURE CONTROLLED MISSILE LAUNCH USING ZIGBEE AND ARDUNIO**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 47th Series". The project details are as below:

Student(s)	Ms. SEETHA LAKSHMI PEROTH	Department	ELECTRICAL AND ELECTRONICS ENGINEERING
	Ms. RIDA SHARIFF A.		
	Ms. SHIVAMANI C. R.		
Guide(s)	Prof. UDHYAMI M. B.	Sanctioned Amount (in Rs.)	5,000.00

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/6s8hq5XbScsBMv3G9>. The synopsis should include following:
 - Project Reference Number
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords
 - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
 - Objectives (about 10 lines)


Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

47S_BE_4880

- 8) Methodology (about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
 - 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
 - 10) Scope for future work (about 20 lines).
- e) In case of incompeted projects, the sanctioned amount shall be returned to KSCST.
 - f) The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
 - g) The sponsored projects evaluation will be held **third week of May 2024** onwards through Online Mode and the details of the same will be intimated shortly by email / Website
 - h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and student(s) shall be uploaded in the following Google Forms Link <https://forms.gle/Mi446v1U5fdFcMD99>. The report should be prepared in the format prescribed by the university.
 - i) The **Utilization Certificate and Statement of Expenditure duly signed by competent authority** of consolidated sanctioned projects from your institution need to be submitted **20 August 2024** without fail.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

Yours sincerely,



(U T Vijay)

Copy to:

- 1) The HoD
ELECTRICAL AND ELECTRONICS ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU
- 2) Prof. UDHYAMI M. B.
ELECTRICAL AND ELECTRONICS ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU



Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Karnataka State Council for Science and Technology

(An autonomous organisation under the Dept. of Science & Technology, Govt. of Karnataka)

Indian Institute of Science Campus, Bengaluru – 560 012

Telephone: 080-23341652, 23348848, 23348849, 23348840

Email: office.kscst@isc.ac.in, office@kscst.org.in • Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. U. T. Vijay
Executive Secretary

19th April, 2024

Ref: 7.1.01/SPP/37

To,
The Principal
Rajarajeshwari College of Engineering
#14 Ramohalli Cross Kumbalgodu Mysuru Road
Bengaluru - 560 074

Dear Sir/Madam,

Sub : Sanction of Student Project - 47th Series: Year 2023-2024

Project Proposal Reference No. : 47S_BE_4660

Ref : Project Proposal entitled **BRAIN TUMOR DETECTION AND CLASSIFICATION**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 47th Series". The project details are as below:

Student(s)	Mr. LOHITH T. V.	Department	INFORMATION SCIENCE AND ENGINEERING
	Mr. RAVI KUMAR N.		
	Mr. ROHAN S.		
Guide(s)	Ms. SINCHANA M. N.	Sanctioned Amount (in Rs.)	3,500.00

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/6s8hq5XbScsBMv3G9>. The synopsis should include following:
 - Project Reference Number
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords
 - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
 - Objectives (about 10 lines)

Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

(Signature)
Dr. J. AMUTHARAJ, M.E., Ph.D., FIE.
Professor & Head
Dept. of Information Science & Engineering
RAJARAJESHWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074.

47S_BE_4660

- 8) Methodology (about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
 - 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
 - 10) Scope for future work (about 20 lines).
- e) In case of incompeted projects, the sanctioned amount shall be returned to KSCST.
 - f) The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
 - g) The sponsored projects evaluation will be held **third week of May 2024** onwards through Online Mode and the details of the same will be intimated shortly by email / Website
 - h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and student(s) shall be uploaded in the following Google Forms Link <https://forms.gle/Mi446v1U5fdFcMD99>. The report should be prepared in the format prescribed by the university.
 - i) The **Utilization Certificate and Statement of Expenditure duly signed by competent authority** of consolidated sanctioned projects from your institution need to be submitted **20 August 2024** without fail.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

Yours sincerely,



(U T Vijay)

Copy to:

- 1) The HoD
INFORMATION SCIENCE AND ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU
- 2) Ms. SINCHANA M. N.
INFORMATION SCIENCE AND ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU



Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7A



Karnataka State Council for Science and Technology

(An autonomous organisation under the Dept. of Science & Technology, Govt. of Karnataka)

Indian Institute of Science Campus, Bengaluru – 560 012

Telephone: 080-23341652, 23348848, 23348849, 23348840

Email: office.kscst@iisc.ac.in, office@kscst.org.in Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. U. T. Vijay
Executive Secretary

19th April, 2024

Ref: 7.1.01/SPP/37

To,
The Principal
Rajarajeshwari College of Engineering
#14 Ramohalli Cross Kumbalgodu Mysuru Road
Bengaluru - 560 074

Dear Sir/Madam,

Sub : Sanction of Student Project - 47th Series: Year 2023-2024

Project Proposal Reference No. : 47S_BE_4619

Ref : Project Proposal entitled **DETECTION OF ATTACKS IN NETWORK USING MACHINE LEARNING ALOGITHMS**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 47th Series". The project details are as below:

Student(s)	Mr. VIJAY G.	Department	INFORMATION SCIENCE AND ENGINEERING
	Mr. SAGAR D.		
	Mr. SATHWIK C. B.		
Guide(s)	Ms. SINCHANA M. N.	Sanctioned Amount (in Rs.)	3,500.00

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/6s8hq5XbScsBMv3G9>. The synopsis should include following:
 - Project Reference Number
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords
 - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
 - Objectives (about 10 lines)

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Dr. J. Amutharaj
Dr. J. AMUTHARAJ, M.E., P.D., F.I.E.
Professor & Head
Dept. of Information Science & Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074.

47S_BE_4619

- 8) Methodology (about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
 - 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
 - 10) Scope for future work (about 20 lines).
- e) In case of incometed projects, the sanctioned amount shall be returned to KSCST.
 - f) The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
 - g) The sponsored projects evaluation will be held **third week of May 2024** onwards through Online Mode and the details of the same will be intimated shortly by email / Website
 - h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and studetn(s) shall be uploaded in the following Google Forms Link <https://forms.gle/Mi446v1U5fdFcMD99>. The report should be prepared in the format prescribed by the university.
 - i) The **Utilization Certificate and Statement of Expenditure duly signed by competent authority** of consolidated sanctioned projects from your institution need to be submitted **20 August 2024** without fail.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

Yours sincerely,



(U T Vijay)

Copy to:

- 1) The HoD
INFORMATION SCIENCE AND ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU
- 2) Ms. SINCHANA M. N.
INFORMATION SCIENCE AND ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU



- Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



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Email: office.kscst@iisc.ac.in, office@kscst.org.in • Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. U. T. Vijay
Executive Secretary

19th April, 2024

Ref: 7.1.01/SPP/37

To,
The Principal
Rajarajeshwari College of Engineering
#14 Ramohalli Cross Kumbalgodu Mysuru Road
Bengaluru - 560 074

Dear Sir/Madam,

Sub : Sanction of Student Project - 47th Series: Year 2023-2024

Project Proposal Reference No. : 47S_BE_4851

Ref : Project Proposal entitled **DETECTION OF CARDIAC ARRHYTHMIA**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 47th Series". The project details are as below:

Student(s)	Mr. AMOGH M.	Department	INFORMATION SCIENCE AND ENGINEERING
	Mr. CHIRAG G. J.		
	Mr. KUSHAL K.		
Guide(s)	Mr. DINESHKUMAR M.	Sanctioned Amount (in Rs.)	3,500.00

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/6s8hq5XbScsBMv3G9>. The synopsis should include following:
 - Project Reference Number
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords
 - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
 - Objectives (about 10 lines)

Amutha
Dr. J. AMUTHARAJ, M.E., Ph.D., F.I.E.
Professor & Head
Dept. of Information Science & Engineering
RAJARAJESHWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074.

Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

47S_BE_4851

- 8) Methodology (about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
 - 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
 - 10) Scope for future work (about 20 lines).
- e) In case of incompeted projects, the sanctioned amount shall be returned to KSCST.
 - f) The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
 - g) The sponsored projects evaluation will be held **third week of May 2024** onwards through Online Mode and the details of the same will be intimated shortly by email / Website
 - h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and studetn(s) shall be uploaded in the following Google Forms Link <https://forms.gle/Mi446v1U5fdFcMD99>. The report should be prepared in the format prescribed by the university.
 - i) The **Utilization Certificate and Statement of Expenditure duly signed by competent authority** of consolidated sanctioned projects from your institution need to be submitted **20 August 2024** without fail.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,


Yours sincerely,



(U T Vijay)

Copy to:

- 1) The HoD
INFORMATION SCIENCE AND ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU
- 2) Mr. DINESHKUMAR M.
INFORMATION SCIENCE AND ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU



Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru - 71

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012
 Website: www.kscst.org.in, <https://kscst.karnataka.gov.in> || Email: spp@kscst.org.in || Tel: 080-2334 1652, 2334 8848/49/40

47th series of Student Project Programme (SPP): 2023-24

List of Student Project Proposals Approved for Sponsorship RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU

141.

RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	AMOUNT SANCTIONED (Rs.)
1106.	47S_BE_4577	DEVELOPMENT OF NLP-POWERED SEMANTIC ANALYSIS FOR DOCUMENT UNDERSTANDING	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. DEEPA K. R.	Mr. VENKATESH K. Mr. NARESH A. Mr. SRUJANSHEEL M. S.	5,000.00
1107.	47S_MCA_0070	CITY CULTIVATOR: SMART URBAN FARMING TECH	M.C.A.	COMPUTER APPLICATIONS	Mr. DEERAJ C. Dr. T. SUBBURAJ	Mr. LAKSHMI KANTHA T. M. Mr. NAGENDRA KUMAR K. S. Mr. NIRMAL RAO S. Mr. KIRAN KUMAR S.	5,000.00
1108.	47S_BE_4227	FINDING SUSPECT AND MISSING PERSON THROUGH CCTV FOOTAGES	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. D. KIRUBHA	Mr. SHIVAKUMAR B. S. Mr. SHREENIDHI P. Mr. SANGAMESH	5,500.00
1109.	47S_BE_4880	GESTURE CONTROLLED MISSILE LAUNCH USING ZIGBEE AND ARDUNIO	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. UDHYAMI M. B.	Ms. SEETHA LAKSHMI PEROTH Ms. RIDA SHARIFF A. Ms. SHIVAMANI C. R.	5,000.00
1110.	47S_BE_0712	AUTISM CARE SYSTEM FOR IMPROVING COGNITIVE ABILITY OF CHILDREN USING AI AND IOT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. S. M. VIJAYA	Mr. MOHAMMED TAHIR HUSSAIN Ms. PRUTHVI SHREE S. N. Ms. RAKSHA M. Mr. UJWAL E.	5,000.00

Principal

RAJARAJESWARI

COLLEGE OF ENGINEERING

Bamohalli Cross, Bengaluru-74

Dr. J. Amutharaj
Dr. J. AMUTHARAJ, M.Sc., Ph.D., FIE.
 Professor & Head
 Dept. of Information Science & Engineering
 RAJARAJESWARI COLLEGE OF ENGINEERING
 BANGALORE - 560 074.

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: www.kscst.org.in, <https://kscst.karnataka.gov.in> || Email: spp@kscst.org.in || Tel: 080-2334 1652, 2334 8848/49/40

47th series of Student Project Programme (SPP): 2023-24

List of Student Project Proposals Approved for Sponsorship

1111.	47S_BE_1773	SMART STROKE PREDICTION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. V. SREEPATHI Prof. SURESH M.	Ms. POORNIMA R. Mr. AKSHAY KUMAR R. Mr. DEEPAK L. Ms. DHANUSHREE N. A.	5,000.00
1112.	47S_BE_1864	SMART SELF DEFENCE BAND FOR WOMEN SAFETY	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. DEEPIKA J. Prof. HARITHA K. SIVARAMAN	Ms. AISHWARYA M. Mr. K. JAI AKHIL Ms. LIKITHA S. Mr. RAKSHITH S.	3,500.00
1113.	47S_BE_3240	INNOVATION IN TRAIN DEFECT RESOLUTION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. AJAY M. Prof. SANTOSH CHAVAN	Ms. KALPITHA R. GOWDA Mr. JATHIN B. R. Mr. SRINIDHI R. K. Mr. M. SHIVA KRISHNA	5,500.00
1114.	47S_BE_4619	DETECTION OF ATTACKS IN NETWORK USING MACHINE LEARNING ALGORITHMS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Ms. SINCHANA M. N.	Mr. VIJAY G. Mr. SAGAR D. Mr. SATHWIK C. B.	3,500.00
1115.	47S_BE_4660	BRAIN TUMOR DETECTION AND CLASSIFICATION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Ms. SINCHANA M. N.	Mr. LOHITH T. V. Mr. RAVI KUMAR N. Mr. ROHAN S.	3,500.00
1116.	47S_BE_4851	DETECTION OF CARDIAC ARRHYTHMIA	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. DINESHKUMAR M.	Mr. AMOGH M. Mr. CHIRAG G. J. Mr. KUSHAL K.	3,500.00

Note: The projects highlighted in grey are funded by AI & Robotics Technology Park (ART-Park), IISc. The funds for these projects have been released separately to the institution. Please ensure that the utilization certificate for these funds is submitted separately and acknowledged in the Project Completion Report.

Principal

RAJARAJESWARI

COLLEGE OF ENGINEERING

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

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47th series of Student Project Programme (SPP): 2023-24

List of Student Project Proposals Approved for Sponsorship

Transaction Details:

	NAME OF THE ACCOUNT HODLER	DATE OF TRANSACTION	TRANSACTION DETAILS	AMOUNT
KSCST Sponsorship	RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU	28-05-2024	NEFT Dr-P149240325299422-RAJARAJESWARI COLLEGE OF ENGINEERING-ICIC0002637	35,000
ART PARK sponsorship		05-06-2024	AMT TRFD TO ACTS WITH REFERENCE NUMBER	15,000

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Dr. J. AMUTHARAJ, M.E., Ph.D., F.I.E.
Professor & Head
Dept. of Information Science & Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074.



Karnataka State Council for Science and Technology

(An autonomous organisation under the Dept. of Science & Technology, Govt. of Karnataka)

Indian Institute of Science Campus, Bengaluru – 560 012

Telephone: 080-23341652, 23348848, 23348849, 23348840

Email: office.kscst@iisc.ac.in, office@kscst.org.in + Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. U. T. Vijay
Executive Secretary

19th April, 2024

Ref: 7.1.01/SPP/37

To,
The Principal
Rajarajeshwari College of Engineering
#14 Ramohalli Cross Kumbalgodu Mysuru Road
Bengaluru - 560 074

Dear Sir/Madam,

Sub : Sanction of Student Project - 47th Series: Year 2023-2024

Project Proposal Reference No. : 47S_MCA_0070
Ref : Project Proposal entitled **CITY CULTIVATOR: SMART URBAN FARMING TECH**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 47th Series". The project details are as below:

Student(s)	Department	Sanctioned Amount (in Rs.)
Mr. LAKSHMI KANTHA T. M.	COMPUTER APPLICATIONS	5,000.00
Mr. NAGENDRA KUMAR K. S.		
Mr. NIRMAL RAO S.		
Mr. KIRAN KUMAR S.		
Guide(s)		
Mr. DEERAJ C.		
Dr. T. SUBBURAJ		

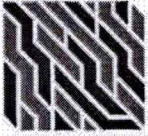
Comments / Suggestions of the Experts

DEMONSTRATE WITH MODEL AND SHOW THE EASINESS IN THE PROJECT

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/6s8hq5XbScsBMv3G9>. The synopsis should include following:
 - Project Reference Number
 - Title of the project
 - Name of the College & Department


Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



NCAM
NATIONAL CENTRE FOR ADDITIVE MANUFACTURING

Ltr.No. NCAM/ATEP 2023/22 - Dated: 29.11.2023

To
Coordinator / Head of Institution
ATEP FDP – NCAM Program

Sub: Approval of NCAM - ATEP FDP

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Dear Sir,

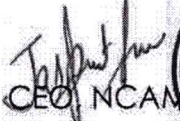
We have reviewed the application for Additive Technology Enhancement Program (ATEP) sent by you in response to our most recent communication. The details were reviewed our committee and we have unanimously agreed that the program be allotted to your esteemed organization.

NCAM will commence its first Additive Technology Enhancement Program (ATEP)-2023 from 10th December 2023 onwards and end it by 25th March 2024.

Program sanction letter will be released after receipt of your final program time table that must have the dates and the session titles with the speakers. The speaker's consent form must be attached with the college / institutions documents.

We request you to kindly send the documents by 6th December 2023 and program can commence after 10th December 2023.

Yours sincerely,


CEO, NCAM



Enclosed : List of colleges approved
Copy to : FAO

**Registered Address: Room no. 3F -24, ITE & C Dept., Government of Telangana, Dr. B R Ambedkar
Telangana State Secretariat, Hyderabad – 500 022**

**Correspondence Address: NCAM Foundation, Technology Development Centre, Osmania University,
Hyderabad – 500 007**





Principal

RAJARAJESWARI

COLLEGE OF ENGINEERING

Samaluru Cross, Bengaluru-74

SL NO	INSTITUTE NAME	PLACE OF FDP	PROGRAM TITLE	DATE
1	Central Institute of Tool Design(CITD)	CITD - Hyderabad Telangana	Polymer Additive Manufacturing Technologies	6 - 10 Dec 2023
2	IIITDM, Kurnool	IIITDM, Kurnool Andhra Pradesh	Hands-On Workshop on Additive Manufacturing Technologies	6 - 10 Nov 2023
3	CITD - Vijayawada	CITD - Vijayawada Andhra Pradesh	Hands-On Workshop on Additive Manufacturing Technologies	22 - 27 Jan 2024
4	IDEMI - MSME	IDEMI Mumbai Maharashtra	Hands-On Workshop on Additive Manufacturing & reverse Engineering	2- 24 Nov 23
5	IDEMI - Bangalore	Rajaji Nagar - BLR Karnataka	Hands-On Workshop on Additive Manufacturing & reverse Engineering	11 - 15 dec 2023
6	Vel Tech	Vel Tech Research Park - Chennai Tamil Nadu	Additive Manufacturing - Techniques, Materials, Applications and Future Trends	26 - 30 Dec 2023
7	AKGEC	AKGEC Ghaziabad UP	Additive Manufacturing - The Future of Manufacturing	11 -15 Dec 2023
8	Mangalore Institute of Technology & Engineering	Moodabisi, Karnataka	Additive Manufacturing for Research and Innovation	18 - 22 Dec 2023
9	NMAM Institute of Technology, NITTE	Udupi, Karnataka	Strategies for enhancing surface integrity, mechanical properties, and minimising residual stress in additively manufactured components	5 - 9 Feb 2024
10	Thapar Institute of Engineering & Technology	Patiala, Punjab	Additive Manufacturing : From principles to practice	18 - 22 DEC 2023
11	RajaRajeshwari College of Engineering	Bangalore, Karnataka	3D Printing and Additive Manufacturing Technology	5 - 9 Feb 2024
12	Walchand Institute of Technology	Solapur, Maharashtra	Integrating Autodesk Fusion 360with Additive Manufacturing Applications for Generative Design Applications in Medical Sciences and mechaical engineering Field	9-13 Jan 2023
13	SJBIT	Bangalore, Karnataka	Current Technological Development in Additive Manufacturing	8-12 Jan 2024
14	BMS College of Engineering	Bangalore, Karnataka	Latest trends in Additive Manufacturing	not mentioned
15	National Institute of Technology, Srinagar	Srinagar J&K	Current Trends in Additive Manufacturing Technologies	23-27 Feb, 2024
16	Faculty of Engineering and Technology at Datta Meghe Institute of Higher Education and Research	Wardha Maharashtra	3D Printing and Additive Manufacturing Technology	11 - 15 Dec 2023
17	NITTE Meenakshi Institute of Technology	Bangalore, Karnataka	Print, educate and Innovate: Empowering Educators for Advanced Additive Manufacturing	8-12 Jan, 2024


 RAJARAJESWARI
 COLLEGE OF ENGINEERING
 Yamohalli Cross, Bengaluru-74

F.No. NCAM/ATEP-FDP/2023/52/11

Dated 07-02-2024
16

To
The Principal
Rajarajeswari College of Engineering
Ramohalli Cross, Kumbalagodu, Mysore Road
Bangalore

Sub: Approval for Organizing an Additive Technology Enhancement Programme (ATEP) – Faculty Development Programme – (FDP) on “3D Printing and Additive Manufacturing Technology” under the National Centre for Additive Manufacturing (NCAM) at Raja Rajeswari College of Engineering, Bangalore – Reg.

Sir,

This is to convey the approval of the National Centre for Additive Manufacturing (NCAM) for payment of Rs. 2,50,000/- (Rupees Two Lakhs Fifty Thousand Only) for conducting the Faculty Development Program – (FDP) on the “3D Printing and Additive Manufacturing Technology” to Raja Rajeswari College of Engineering, Bangalore scheduled on 26th February to 01st March, 2024 under the Additive Technology Enhancement Program (ATEP) of NCAM.

1. Disbursement of funds to Institutions

1.1.1 The Institute/College/University shall maintain proper accounts of the expenditure of the sanctioned amount and it shall be utilized only for the approved expenses.

1.1.2 The budget for the program is given below:

SL NO	ITEM PARTICULARS	RATE	UNITS / QTY	AMOUNT
1	Honorarium Coordinator	8000	1	8000
2	Honorarium to Co-Coordinator	5000	1	5000
3	Honorarium for Computer Operators / Lab Technicians			5000
4	Honorarium to Trainers			50000
5	TA to External Experts engaging sessions			1,00,000
6	Refreshment + Lunch			60000
7	Hands on training material, Consumable items and Miscellaneous charges etc. (reimbursed on actual basis)			22000
	Total			2,50,000

Principal

RAJARAJESWARI

COLLEGE OF ENGINEERING

Ramohalli Cross, Kumbalagodu, Bangalore-74

- Rs 2,50,000/- (Rupees two lakh fifty thousand only per FDP all inclusive)
- First Instalment released will be Rs 1,25,000/- only (50% in 1st tranche)
- The second instalment will be of Rs 1,25,000/-, to be released after submission of the required documents. (50% in the second tranche)

*Institute can provide accommodation to the outside participants.

*Total permissible program budget must not in any case exceed any of the line items provided above.

*Any amount exceeding the budget needs to be provided for by the Institute/College itself, and the programme quality must not be compromised.

The amount of the Fund shall be adjusted on submission of utilization certificate & detailed expenditure statement by University/Institution. On receipt of these documents, the total amount of financial assistance, admissible as per the norms, shall be worked out and Fund-in-aid shall be adjusted.

This fund is being released in conformity with the terms & conditions as well as norms of the Program as mentioned below.

2. Terms and conditions:

For conducting an FDP, the following are essential

- Coordinator will be overall responsible for successful conduct of NCAM FDP and document submission.
- Each session should be photographed with the resource person and Coordinators should upload the session highlights / session with title slide which will be published on NCAM webpage.
- Funds once released/sanctioned for organising the particular topic/area of FDP cannot be utilized for any other programme.
- In case the event is cancelled, the funds will be refunded to NCAM within 07 days.
- FDPs should not be conducted without a minimum number of candidates i.e 25 participants for all states and 15 for NE, Jammu, Kashmir, Ladakh and Andaman & Nicobar Islands. In the event, if the number of registrations received for the FDP 1 week prior to the program date, is less than the minimum prescribed, the coordinators should wind up the program and return the entire amount of Fund-in-aid received to NCAM within 07 days. Coordinators should take adequate measures to ensure participation and successful conduct of the FDP.
- Any unavoidable circumstantial change in the Program with respect to name of FDP Coordinator, Organization and date for organizing NCAM FDP will mandatorily require prior approval of NCAM. All such requests should be addressed to the Program Lead at NCAM, in advance, recording the specific reasons for proposed changes, failing which the offer for the



Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING

Fund already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to NCAM.

- The resource persons/Topics of the FDP once approved by NCAM, must not be changed at any instance.
- Any extra amount required to complete the programme must be borne by the institute from their own resources, but the quality of the FDP should not be compromised.
- All Participants must upload their Identity Card and NOC (or self-declaration) from their approving authority to attend FDP, to register for FDP through an online registration form.
- In the event of a coordinator being transferred /discontinued from the host institute, replacement should be made, placing a request in writing by the head of the institution for the approval of Competent Authority, NCAM. In cases where replacement is not made in writing, the Fund-in-aid paid will be recouped.

3. Submission of documents by University/Institution

- Fund will be disbursed in two instalments for the FDPs. Second instalment will be admissible on actual basis on submission of bills. The coordinator of the FDP is required to submit the receipt of the following documents through the portal.
- Compulsory online feedback of all the participants is required through link provided by NCAM.
- List of the candidates who have successfully completed the program on the basis of the completion of program and its assessments conducted by program coordinator to be recorded in EXCEL Format only.
- A comprehensive programme reports along with photographs of each session, important videos bytes, is to be send through google drive to NCAM after the completion of programme.
- Utilisation Certificate & Expenditure Statement
- LOGO of the institutions (JPEG/JPG/PNG. format)
- Scanned Signature of the coordinator (black in colour) with white background in all documents along with attested signature of the Head of the Institution.
- Coordinator must submit the following:
 - a) Assessment questionnaire and Results of assessment conducted in EXCEL format
 - b) Completed Checklist by the Coordinator as already listed in Schedule I.
 - c) The details of resource persons and their presentation files and Question paper of exam conducted with answer key.

4. The University/Institution/Program Coordinator shall submit the documents within 8-10 days after the conduct of the event.

- Utilisation Certificate (UC), Statement of Expenditure (SoE), bills pertaining to the expenditure and other mandatory documents have to be sent in original to Program Lead, NCAM, Technology Development Centre, Osmania University – 500007, within the stipulated time.
- Queries can be sent to rakesh.k@ncam.in
- As per NCAM guidelines, the programme should have a minimum of 25 participants (15 for NE, Jammu, Kashmir, Ladakh and Andaman & Nicobar Islands). In the event, if the number of

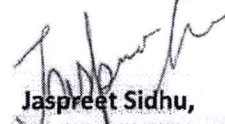

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru - 7

participants registering for the FDP till 1 week before the Program start date is less than the minimum prescribed, the coordinators should wind up the program and return the entire amount of Fund-in-aid received to NCAM within 07 days.

5. **Issuance of a certificate:** After successful completion of the FDP program a Certificate will be provided from the NCAM to the participants.

This Sanction Order may be treated as an Offer Letter for all purposes.

Yours sincerely,



Jaspreet Sidhu,
CEO, NCAM

Copy forwarded for information and necessary action to: -

1. FAO
2. ATEP File



A handwritten signature in blue ink, likely belonging to the Principal of Rajarajeswari College of Engineering.

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7