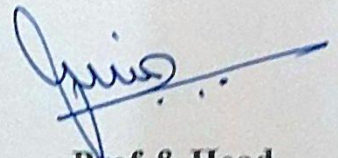


Dr. Ambedkar Institute of technology, Bengaluru-56  
Department of Computer Science & Engineering

The enclosed documents are verified & approved.



**Prof & Head**

Dr. Siddaraju

Department of Computer Science & Engineering

**Professor & Head**  
Department of Computer Science & Engineering  
Dr. Ambedkar Institute of Technology  
Bangalore-560 056.

# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: [spp@kscst.iisc.ernet.in](mailto:spp@kscst.iisc.ernet.in) || Phone: 080-23341652, 23348840/48/49

## 44<sup>th</sup> Series of Student Project Programme: 2020-21

### List of Student Project Proposals Approved for Sponsorship

323.	44S_BE_4276	AUTOMATED CONTACTLESS COVID-19 DETECTION WITH THE AID OF X-RAY IMAGES USING DEEP NEURAL NETWORK	COMPUTER SCIENCE AND ENGINEERING	B.E.	Mrs. VINUTHA H	Mr. SIDDU GUDAGUDI Mr. SHIVASHANKAR Y S Ms. SHWETHA B S Mr. SHARATH B S	6000.00
324.	44S_BE_4341	REAL-TIME IoT AND APP BASED AUTOMATED GREENHOUSE SETUP	INDUSTRIAL ENGINEERING AND MANAGEMENT	B.E.	Prof. N CHETAN	Mr. AMOGH M ARADHYA Ms. BHUMIKA K Mr. MOHAMED WASIM Mr. MEET SHAH	6000.00
325.	44S_BE_4348	HUMANOID FRONT DEST ROBOT	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E.	Prof. RAMESH S Mrs. MALA SINNOR	Mr. KIRAN GOWDA N Ms. LAVANYA R T Ms. M VARSHINI URS	6000.00

#### Note:

- ☐ Transaction details of sanctioned amount of **Rs. 63500/-** credited on **28<sup>th</sup> May 2021** by **NEFT on 28 May 2021**.
- ☐ The evaluation of above projects will be conducted during July / August 2021 via online mode and participation in the online evaluation process is mandatory, failing to which the sanctioned project will be withdrawn from the list and sanctioned amount shall be returned to KSCST.
- ☐ Submit **softcopy of Synopsis in pdf (as per the format preferred in the KSCST website)** and report (PDF format in a single file) of project by **20<sup>th</sup> July 2021**, which will be uploaded in **KSCST SPP portal**.
- ☐ Synopsis and report must be named with Reference ID provided by KSCST (Eg: **44S\_BE\_0001**).



# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science campus, Bengaluru – 560 012

Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: [spp@kscst.iisc.ernet.in](mailto:spp@kscst.iisc.ernet.in) || Phone: 080-23600978

## 43<sup>rd</sup> Series of Student Project Programme: 2019-20

### LIST OF STUDENT PROJECT PROPOSALS APPROVED FOR SPONSORSHIP

#### 44) Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY, BENGALURU

236.	43S_BE_2011	TOWARDS MANY TO MANY COMMUNICATIONS AMONG DEAF, DUMB AND BLIND USERS	COMPUTER SCIENCE AND ENGINEERING	B.E.	STREAM A	Mrs. VINUTHA H.	Ms. MEGHA V. Ms. YASHIKA H.R. Ms. KRUPA K. Ms. CHAYA G.	5500.00
237.	43S_BE_2313	DESIGN AND ANALYSIS OF 10 PORT ROUTER FOR NETWORK ON CHIP	TELE COMMUNICATION ENGINEERING	B.E.	STREAM A	Dr. YAMUNA DEVI C.R	Mr. DHEERAJ S E Mr. LATHIF SHARIEFF Ms. NISHA SINGH Ms. SABIHA KHANUM Z	5500.00
238.	43S_BE_2555	SMART WEARABLE SYSTEM FOR ASTHMA PATIENTS	ELECTRONICS AND INSTRUMENTATION ENGINEERING	B.E.	STREAM A	Mrs. HAMSA REKHA. D	Ms. RAMYA SHREE. E.M Ms. BRUNDA.S Ms. AKARSHA S N Ms. SUNITHA N S	6000.00
239.	43S_BE_2849	AUTOMATED SYSTEM FOR EYE SCAN	MEDICAL ELECTRONICS	B.E.	STREAM A	Dr. SHANTI K J	Ms. SHREYA P R Ms. CHAITRA M M Ms. RANJITHA B M Ms. SREEHARSHA G	3000.00

#### Note:

- ☐ The sanctioned amount will be sent separately by KSCST to the College in the name of the principal by NEFT transfer. The details of transaction no. and date will be intimated.
- ☐ The evaluation of above projects will be conducted at the nodal centres in the month of May / June 2020. Participation in the evaluation process at the nodal centres is mandatory, failing to which the sanctioned project will be withdrawn from the list and sanctioned amount shall be returned to KSCST.
- ☐ Further projects will be shortlisted for state level seminar & exhibition which will be conducted during July / August 2020.
- ☐ After completion of the projects, the hard copy and soft copy (PDF format only) of the report needs to be sent to KSCST without fail.
- ☐ Any corrections with respect to the names of the guide and students should be requested at [spp@kscst.iisc.ernet.in](mailto:spp@kscst.iisc.ernet.in).

# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: [spp@kscst.iisc.ernet.in](mailto:spp@kscst.iisc.ernet.in) || Phone: 080-23341652, 23348840/48/49

## 44<sup>th</sup> Series of Student Project Programme: 2020-21

List of Student Project Proposals Approved for Sponsorship

### 50. Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROJECT REFERENCE No.	PROJECT TITLE	BRANCH	COURSE	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	SANCTIONED AMOUNT (IN Rs.)
315.	44S_BE_1848	VOICE CONTROLLED ROBOT WITH SURVEILLANCE CAMERA USING LABVIEW	ELECTRONICS AND INSTRUMENTATION ENGINEERING	B.E.	Prof. HAMSA REKHA S D	Ms. CHANDANA V Ms. CHAITRA SHREE Ms. SAKSHI SHARMA Mr. SANJAY S	6000.00
316.	44S_BE_2119	VEHICLE AUTOMATION FOR SMART AND SAFE DRIVING	COMPUTER SCIENCE AND ENGINEERING	B.E.	Dr. SMITHA SHEKAR B	Ms. NIVEDITHA V Ms. JYOTHI G Ms. LAVANYA V	5500.00
317.	44S_BE_2230	STUDIES ON GEOTECHNICAL PROPERTIES OF CONTAMINATED SOIL ALONG THE VRISHABHAVATHI RIVER STRETCH AND ITS IMPLICATIONS ON ENVIRNMENT	CIVIL ENGINEERING	B.E.	Dr. S D VENKATARAJA MOHAN SIR Dr. A.A. JAHAGIRDAR	Mr. VINOD KUMAR Mr. SHIVARAJ M MULUGUND Ms. PALLAVI N Ms. SUDHARANI S REDDY	5000.00
318.	44S_BE_2876	CAMOUFLAGE MULTI-FUNCTIONAL ARMY ROBOT	COMPUTER SCIENCE AND ENGINEERING	B.E.	Prof. MADHU B	Ms. K KEERTHANA Ms. KIRTHI K Ms. KRUTHI KATTE Ms. LAVANYA S	6000.00
319.	44S_BE_3049	SMART SELF-DEFENCE GADGET FOR WOMEN'S SAFETY USING IOT	ELECTRONICS AND INSTRUMENTATION ENGINEERING	B.E.	Prof. MONIKASHREE T S	Ms. NIKITHA G NAIK Mr. BHUVAN M Mr. CHANDAN P SHETTY Mr. SACHIN KINI N	6000.00
320.	44S_BE_3056	FLOATING WASTE SCOOPER ROBOT ON WATER SURFACE	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E.	Prof. UMADEVI H Prof. JAHAGIRDAR A A	Mr. SACHIN B Ms. SHILPA M Mr. PUNEETH N S Mr. PRASHANTHRAJ C S	6000.00
321.	44S_BE_3059	FATIGUE TESTING OF HIGH ENTROPY ALLOY SUBJETED TO CORROSION	MECHANICAL ENGINEERING	B.E.	Prof. T SRINATH Mr. RAJESH CHANDRA	Mr. RONITH B Mr. M SHRIDUTT Mr. PRASAD S BILAGI Mr. SAGAR H M	6000.00
322.	44S_BE_3110	CAMOUFLAGE SURVEILLANCE ROBOT IN DEFENSE USING AI	TELECOMMUNICATION ENGINEERING	B.E.	Dr. PRASHANTH C R	Mr. JAGRUTH S Ms. DEEPIKA S Ms. JALAJA M Ms. RACHANA S L	5000.00





# GOVERNMENT OF KARNATAKA

Vision Group on Science and Technology

Department of Information Technology, Biotechnology and Science & Technology

Karnataka Government Secretariat, No.702, 7<sup>th</sup> Floor, 4<sup>th</sup> Stage, M. S. Building, Dr. Ambedkar Veedhi, Bangalore-560 001

Phone: 080-2203 2013, E-mail: visiongroup.st@gmail.com Website: www.vgst.in

No /VGST/GRD-728 / 2017-18 /2018-19/508

2-2-2019

To,

The Principal,  
Dr. Ambedkar Institute of Technology,  
BDA Outer Ring Road, Mallathahalli,  
Near Jnana Bharathi Campus, Bangalore – 560 056.

Dear Sir,

Subject: Approval for the submission of PART –A for purchase the  
Equipment. – GRD – 728,

\*\*\*

With reference to the approval of GRD -728, Dr. Ambedkar Institute of Technology, BDA Outer Ring Road, Mallathahalli, Near Jnana Bharathi Campus, Bangalore under the scheme RGS/F proposed by Dr. S. Gowrishankar , Department of Computer Science and Engineering, the project titled “ Use of Wearable Devices to Perform Real Time Analysis for the Wellness of Aging Population and Patients By Developing a Big Data Analytics System ” was released the grant of Rs 5.00 lakhs for the FY: 2017-18 (Cheque no:006007, Dt:18.09.2018 ).

As submitted the PART – A of GRD -728, by the Grantee Institution requesting for the purchase of Equipment from the grants. The details are as follows.

Non- Recurring Budget estimate under Manual- Tendering process for the FY: 2017-18.

Sl. NO	Submitted in PART- A under non-recurring (MTP) Budget estimate by Grantee Institution	Amount (Rs)
1	High End Laptop With GPU	88,000.00
2	Large Screen Monitor	20,000.00
3	Mobile based on Android One	32,000.00
4	High End All in one Printer	20,000.00
5	Tabs	36,000.00
6	Raspberry Pi With accessories and sensors	36,000.00
7	Arduino with accessories and sensors	36,000.00
8	Amazon Echo Plus	30,000.00
9	Google Home	20,000.00
10	Smart Watches	25,000.00
11	Health Trackers	22,000.00
12	Quadcopters (Drone) and accessories	15,000.00
13	Robotics kit and accessories	20,000.00
	<b>Total</b>	<b>4,00,000.00</b>



Recurring Budget Estimate for the FY: 2017-18

SL. NO	Submitted in PART – A under Recurring Budget Estimate by Grantee Institution	AMOUNT (Rs)
1	Electrical and Electronic Spare Parts	10,000.00
2	Contingency	20,000.00
3	Books and Journal	5,000.00
4	Stationary Items	15,000.00
5	Paper Publications	50,000.00
	<b>Total</b>	<b>1,00,000.00</b>

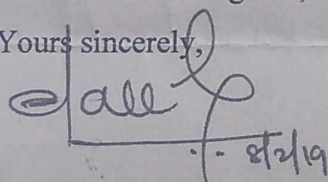
The submitted Proposals and PART – A document details are as follows

	5,00,000.00
<b>TOTAL</b>	<b>5,00,000.00</b>
<b>(A) NON-RECURRING</b>	
E-tendering (ETP)	00.00
Manual -tendering s(MTP)	4,00,000.00
<b>TOTAL</b>	<b>4,00,000.00</b>
<b>(B) RECURRING</b>	
Consumables and Contingency	<b>1,00,000.00</b>
Total (A+B)	<b>5,00,000.00</b>
Approval as per (PART - A submitted by GI / PC)	5,00,000.00
<b>BALANCE AMOUNT</b>	<b>00.00</b>

In this view, as mentioned in the procurement document (PART-A), you may purchase the equipment through Manual-Tendering. Please do not deviate the purchase procedure for the procurement of equipment. Please submit the PART-B and PART-C (download in VGST website) to the VGST office after completion of the process. This is for your kind information.

With thanks and regards,

Yours sincerely,



(Dr.S.G.Sreekanteswara Swamy)

Consultant

CC: Dr. S. Gowrishankar, Department of Computer Science and Engineering, Dr. Ambedkar Institute of Technology, BDA Outer Ring Road, Mallathahalli, Near Jnana Bharathi Campus, Bangalore – 560 056.





**Karnataka Science and Technology Promotion Society**  
**Dept. of Information Technology, Bio Technology and Science & Technology, GoK**  
**"Vijnana Bhavan", 3<sup>rd</sup> Floor, #24/2, 21<sup>st</sup> Main Road, Banashankari 2<sup>nd</sup> Stage, Bangalore-70**  
**Ph/fax : 080-26711166, E-mail : ksteps.dst@gmail.com**

Dr. H. Honne Gowda  
Special Director (Technical),  
Dept. of IT, BT and S&T/ Managing director, KSTePS

No. KSTePS/VGST-RGS/F/GRD No.728/2017-18

Date: 27.08.2018

Dear Sir/Madam,

**Sub:** Intimation of selection of RGS/F Project under the VGST scheme -reg.

**Greetings from KSTePS, Dept. of Information Technology, Biotechnology and Science and Technology!!**

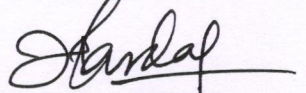
We are pleased to inform you that the RGS/F Engineering program titled **"Use of Wearable Devices to Perform Real Time Analysis for the Wellness of Aging Population and Patients by Developing a Big Data Analytics System"** submitted under the VGST scheme for the Financial Year 2017-18 has been approved by the Government based on the recommendations of Vision Group on Science and Technology under the Chairmanship of Prof. CNR Rao, Honorary President, JNCASR. You may kindly initiate necessary action for organization of the program at the earliest.

**Please provide the cheque in favour address of your Institution, for releasing the sanctioned grants.**

I want to personally thank you for being selected as one of the VGST program members and we wish you a great success in organization of the program.

Thanking You,

Yours sincerely,

  
**Managing Director**

To,  
The Principal  
Dr. Ambedkar Institute of Technology  
BDA Outer Ring Road, Mallathahalli  
Near Jnanabharathi Campus  
Bengaluru-560 056

**CC:** 1. Dr. S. Gowrishankar, Dept. of CSE, Dr. Ambedkar Institute of Technology, BDA Outer Ring Road  
Mallathahalli, Near Jnanabharathi Campus, Bengaluru-560 056 - **RGS/F Grantee.**

2. Consultant, Vision Group on Science and Technology, KSTePS, Dept. of IT, BT and S&T  
Karnataka Government Secretariat, Room No. 702, 7th Floor, 4th Gate, M. S. Building  
Dr. Ambedkar Veedhi, Bangalore- 560 001.



27/07/2020.

To,  
The Managing Director,  
Karnataka Science and Technology Promotion Society (KSTePS),  
"Vijnana Bhavana", 3rd Floor,  
24/2, 21st Main Road, Near BDA Complex,  
Banashankari Stage II, Bengaluru - 560070

From,  
Dr. Gowrishankar S.,  
Professor,  
Dept. of Computer Science & Engineering,  
Dr. Ambedkar Institute of Technology,  
Bengaluru - 56.

Dear Sir,

Sub: Submission of documents on completion of VGST Project (GRD No: 728)

This is to bring to you kind notice that, I have completed the VGST Project titled **"Use of Wearable Devices to Perform Real Time Analysis for the Wellness of Aging Population and Patients by Developing a Big Data Analytics System"** bearing GRD No: 728.

Regarding this, I have submitted the following documents

- 1) Two Copies of the Project Completion Report
- 2) Two Copies of the Utilization Certificate
- 3) Cheque bearing the number "335457" of Syndicate Bank/Canara Bank
- 4) Publication Details
- 5) Bank Statements

I request you to acknowledge the receipt of the above documents.

Sincerely Yours,

*Gowrishankar S.*

Forwarded Through

*C. Nanjundaswamy*  
Dr. C. Nanjundaswamy,  
Principal,  
Dr. AIT, Bengaluru - 56.

Principal  
Dr. Ambedkar Institute of Technology  
Bangalore - 560 056

