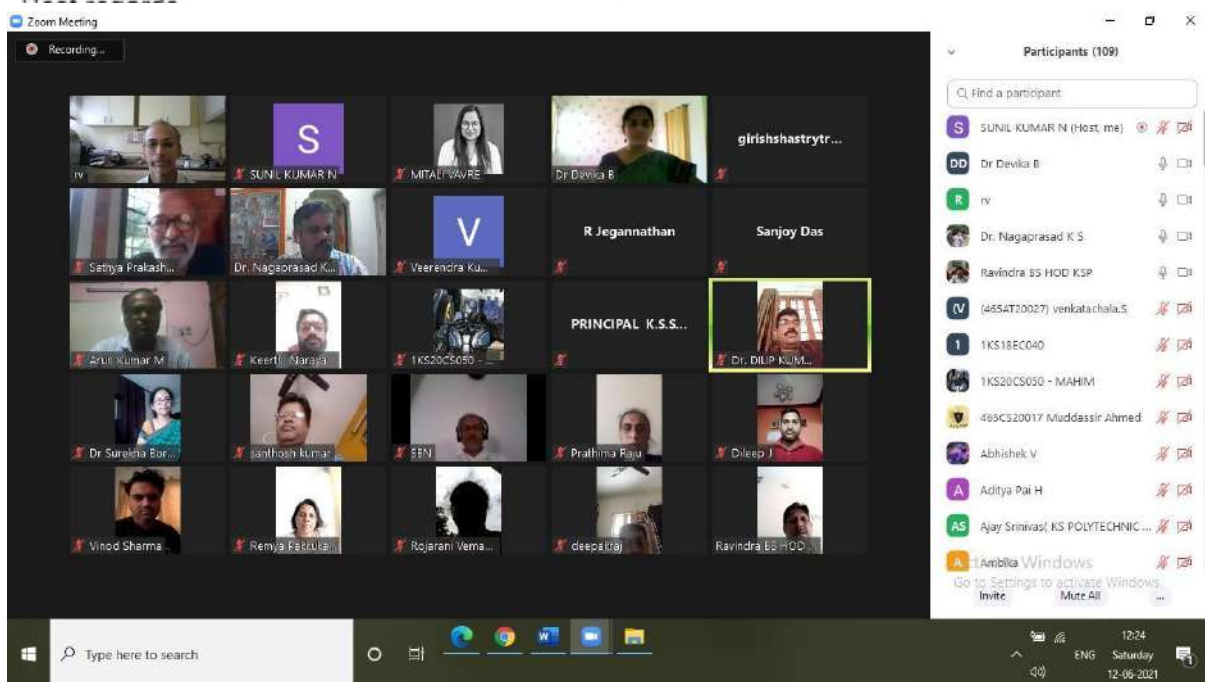


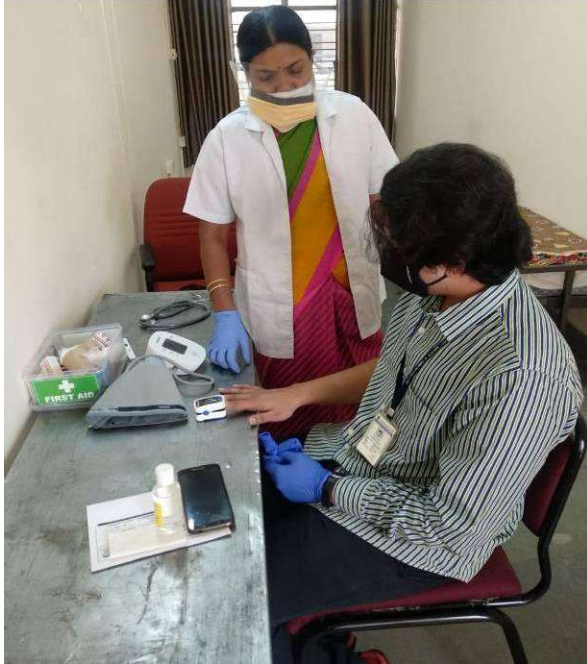
COVID ACTIVITIES

- COVID-19 Cell of KSIT organized a Webinar on “COVID-19 Vaccination Technologies”, on 12th June 2021 **to bring awareness to the stakeholders** of K.S.Group of Institutions. The speaker was Dr. Raghavan Varadarajan, Professor, Molecular Biophysics Unit, Indian Institute of Science (IISc), Bangalore. A total of 245 students, staff and parents attended this webinar actively.
- COVID-19 Cell of KSIT organized Free Vaccination Drive (First Dose) for Faculty and students of K.S. Institute of Technology **in association with Manipal hospitals and Mobile Premier league (MPL)** on 6th July 2021 and have successfully vaccinated 384 students and staff.
- COVID-19 Cell of KSIT organized Free Vaccination Drive (Second Dose) for Faculty and students of K.S. Institute of Technology **in association with KSIT ALUMNI on 9th Oct. 2021. A total of 200 students and staff were vaccinated.**
- **COVID-19 Cell of KSIT organized COVID Tests at campus 5 times [17/11/20,4/12/20,30/12/20,15/1/21,22/3/21]**

	Samples Collected	Report Received on	Remarks
17/11/2020	248	20/11/2020	One ECE Faculty and One CSE Dept Attender tested Positive
04/12/2020	198	6/12/2020	All Negative
30/12/2020	237	31/12/2020	One Attender Positive
15/1/21	520	18/1/2021	1ME student Positive
22/3/21	430	23/3/2021	All Negative









Manipal Hospital team administering vaccination to NSS volunteers



Manipal Hospital team ready to administer the vaccination



Manipal Hospital team administering vaccination to students



Dr.B.Surekha, Professor & COVID Task force chief welcoming Dr Salma, BBMP

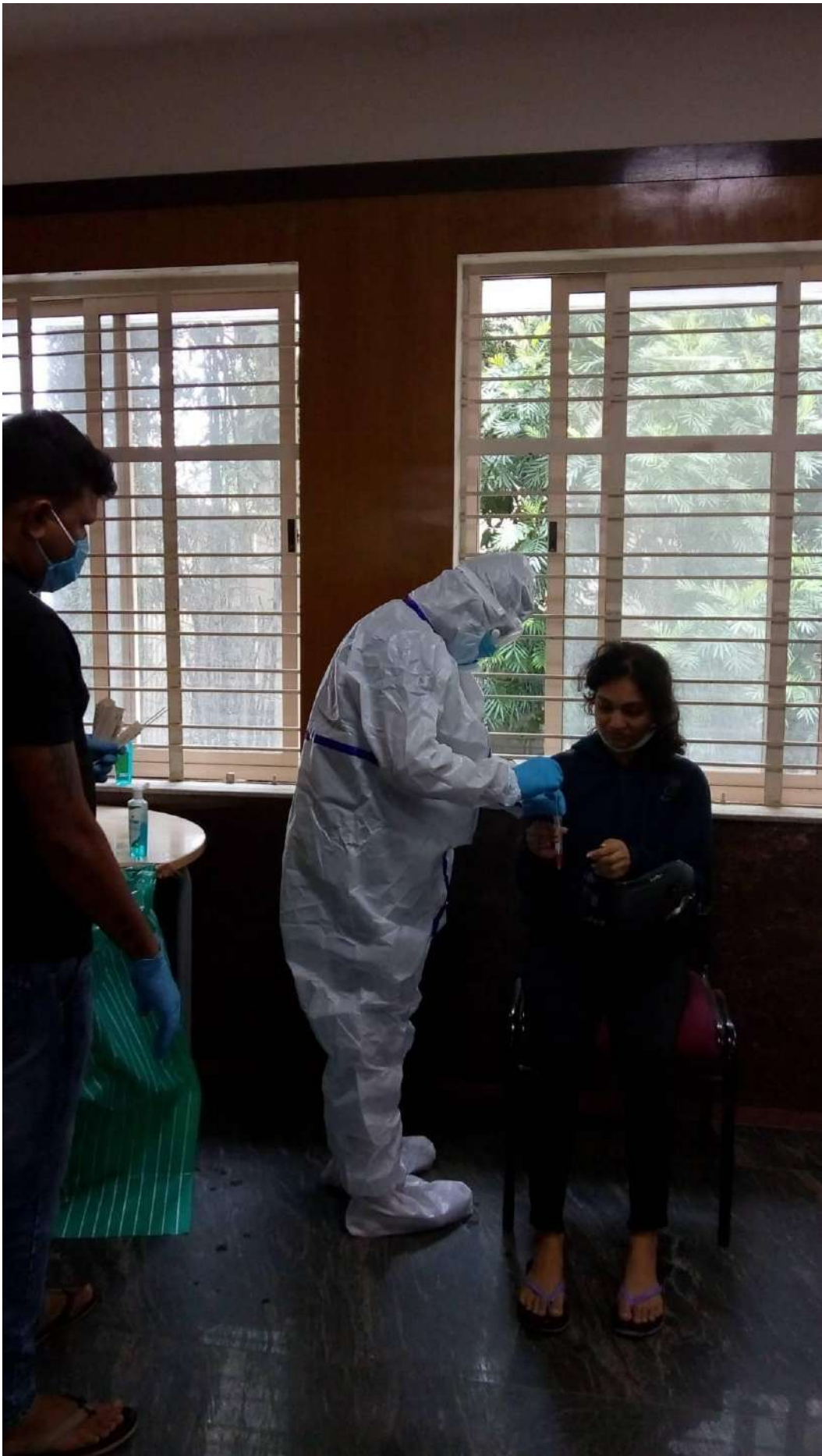


Dignitaries inauguration the Vaccine Drive



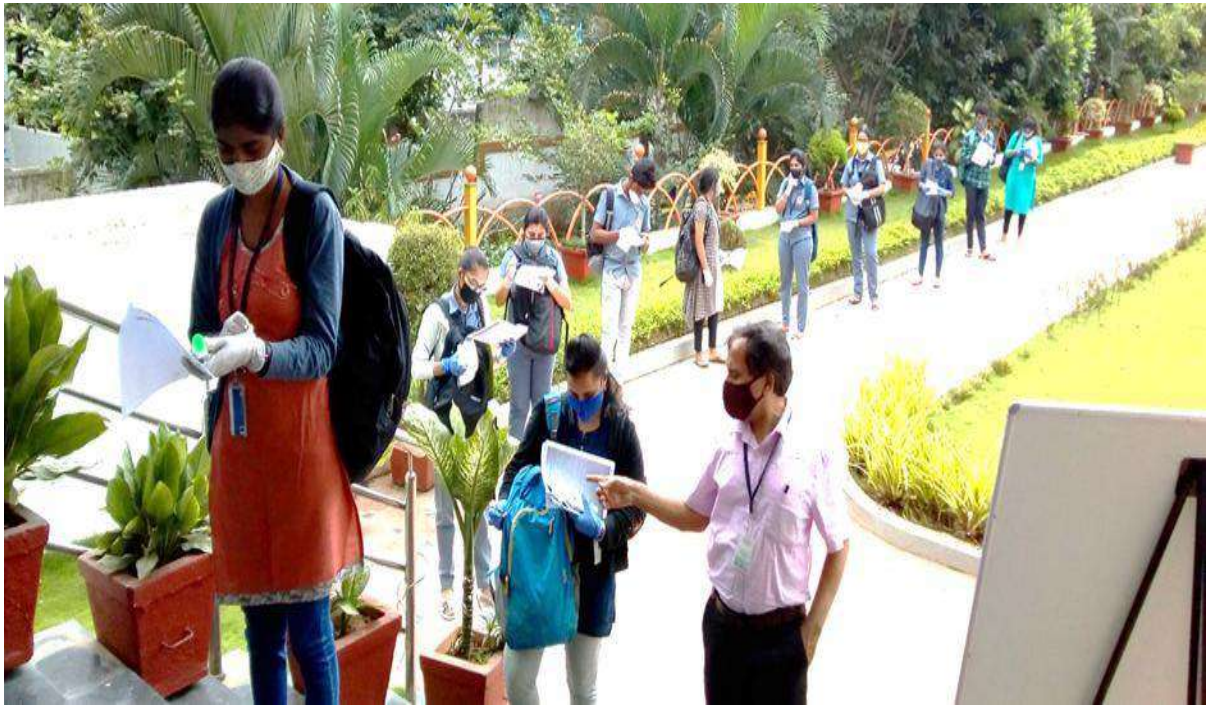














VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA



This is to certify that

DEVIKA B

has been conferred the Degree of

Doctor of Philosophy

in

FACULTY OF ELECTRICAL & ELECTRONICS ENGINEERING SCIENCES

for the thesis entitled

OPTIMIZING POWER IN AD HOC NETWORKS

*in recognition of the fulfillment of requirements
for the said degree*

PH
19 000811

Given under the seal of the University

USN: 1KS14PEM03



BELAGAVI

DATE

: APRIL 03, 2021

VICE CHANCELLOR



K.S. INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE&ENGINEERING
FUNDED PROJECTS
(2020-21)

Sl. No.	Date	Funding agency/Scheme	Title of project	Name of the coordinator/ Guide/PI & Co-PI	Name of the Students	Duration	Amount sanctioned	Status
https://drive.google.com/drive/u/5/folders/1xKOFH0P_A167heiSd5enUxa4moMgJka-								
1	April 2021	KSCST SPP-44 Series	Reading physical book for visually impaired person through voice over navigation system	Dr. Ram P Rustagi	AmoghaManjunatha K Sakshi Kumari Srikala K M Swati Pai	6 Months	6000/-	Completed
2	Sep 2021	VTU Financial Assistance for Innovative Projects of Final Year UG Students	Be My Book - You hear what you choose to read	Dr. Ram P Rustagi	AmoghaManjunatha K Sakshi Kumari Srikala K M Swati Pai	6 Months	5000/-	Completed
3	Sep 2021	VTU Financial Assistance for Innovative Projects of Final Year UG Students	Voice Based E-Prescription	Dr. Rekha B Venkatapur	Krithika Jagannath Abhishek Gowda MV Meghana G Ashish Amar	6 Months	5000/-	Completed
						Total	16,000/-	

K.S. INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
FUNDED PROJECTS
(2020-21)

Sl. No.	Date	Funding agency/Scheme	Title of project	Name of the coordinator/Guide/PI & Co-PI	Name of the Students	Duration	Amount sanctioned	Status
1	April 2021	KSCST SSP-44 Series	Photovoltaic Dual Purpose Thermo Electric Refrigerator	Mrs. Sangeetha V	Pavan Prasad R, Mohammed Sadath, Yashas R, Mahadeva G R	6 Months	5000/-	Completed
2	Sep 2021	VTU Financial Assistance for Innovative Projects of Final Year UG Students	Hybrid Temperature Sensing and Monitoring System With Built in Sanitiser	Dr.PN.Sudha	Navin Kumar H G Navya S Pratima P Agnihotri Pratima V Kashyap	6 Months	5000/-	Completed
3	Sep 2021	VTU Financial Assistance for Innovative Projects of Final Year UG	Smart Heart Health Predictor Powered by	Mrs. Jayasudha BSK	Rachana S Sahana V Anagha Kashyap	6 Months	5000/-	Completed

		Students	ML		Anusha L			
						Total	15,000/-	

K.S. INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
FUNDED PROJECTS
(2020-21)

Sl. No.	Date	Funding agency/Scheme	Title of project	Name of the coordinator/Guide/PI & Co-PI	Name of the Students	Duration	Amount sanctioned	Status
	https://drive.google.com/drive/folders/1dIw1BzgI3cCyLWIXEvlqKk6rb58viZ_b?usp=sharing							
1	April 2021	KSCST SSP-44 Series	Fabrication of Portable Shredding and Composting Device for Kitchen & Garden Waste	Mr.Prasad k	Mr.ANIRUDH BHARADWAJ Mr.BHARATH KUMAR G Mr.GANAPATHI MANJUNATH H Mr.GANESH KUMAR NARAYAN H	6 Months	6000/-	Completed
2	April 2021	KSCST SSP-44 Series	Fabrication & Performance testing of portable Archimedes screw micro hydro generator	Mr.Prasad k	Mr.R.Gokul Mr.Rajath N.R Mr.Satwik shivaram bhat Mr.Shashank L	6 Months	6000/-	Completed
3	April 2021	KSCST SSP-44 Series	Design & Development of zero lag turbocharger to increase engine efficiency and to reduce air pollution	Mr. Anil Kumar A	Mr.DARSHAN BS Mr.ABHILASH KS Mr.ASIF K Mr.PRAKASH Y	6 Months	6500/-	Completed
4	April 2021	KSCST SSP-44 Series	Automatic disinfectant system	Mr.Gautham S	Mr.PUNEETH GOWDA.N Mr.SHASHI KIRAN Mr.SKANDA.S Mr.SOWRAV.A	6 Months	6000/-	Completed
5	Sep 2021	VTU Financial Assistance for Innovative Projects of Final Year UG Students	Design and fabrication of multipurpose agriculture machine	Dr.Nirmala L	Mr.SHREYAS S Mr.SHRI HARSHA P Mr.SANTHOSH G Mr.R JAI KRISHNA	6 Months	5000/-	Completed
6	Sep 2021	VTU Financial Assistance for Innovative Projects of Final Year UG Students	Detection of surface irregularities using delta robot	Mr.Bharath kumar	Mr.SHARATH R CHAWAN Mr.YASHAS GV Mr.V VINAY Mr.MANOJ M	6 Months	5000/-	Completed
						Total	3,15,000/-	

K.S.INSTITUTE OF TECHNOLOGY
DEPARTMENT OF TELECOMMUNICATION ENGINEERING
2020-21

LIST OF FUNDED PROJECTS

KSCST – 2020-21

SL. NO	USN	Student Name	Title of the project	Project Guide	Amount Sanctioned
1	1KS17TE001	Anusha H	Media Forensics using Image Processing Techniques	Dr. Chanda V Reddy	5,500/-
	1KS17TE006	Dhanush N			
	1KS17TE018	Madhushree T P			
	1KS17TE023	Nischay P			
2	1KS17TE005	Dhananjay Kumar	Zero Contact Delivery for Faster and Safer Delivery Through IOT	Dr. Rekha N	5,500/-
	1KS17TE027	Prajwal			
	1KS17TE032	Ravitej K			
	1KS17TE049	Yashaswi Bhat			

VTU – 2020-21

SL. NO	USN	Student Name	Title of the project	Project Guide	Amount Sanctioned
1	1KS17TE009	Gowthami V	GSM based baby monitoring and automatic swing system	Mr. Satish Kumar B	5,000/-
	1KS17TE015	Kavya S S			
	1KS17TE022	Nayana shree R C			
	1KS17TE036	Sai teshal P T			
2	1KS17TE002	Apoorva P M	Ingenious helmet with bike system	Mr. Dileep J	5,000/-
	1KS17TE035	Sahana.R			
	1KS17TE029	Rachana Giliyal			



Government of Karnataka

Vision Group on Science and Technology

Department of Information Technology, Biotechnology and Science & Technology
4th Gate, 7th Floor, M.S. Building, Dr. Ambedkar Veedhi, Bengaluru - 560 001
Phone : 080-2203 2013, E-mail : visiongroup.st@gmail.com, Website : www.vgst.in

Dr. S.G. Sreekanteswara Swamy, Ph.D.
Consultant

No: VGST/RGS-F/GRD-907/2019-20/2020-21/198

Date: 10.11.2020

To,
Dr. Surekha Borra
Professor
Department of Electronics and Communication Engineering,
K.S. Institute of Technology,
No.14, Raghuvanahalli, Kanakapura Main Road,
Bengaluru - 560 109.

Dear Sir/Madam,

Sub: Intimation regarding the selection of the project under RGS/F scheme of VGST for
FY 2019-20 – reg.

Greetings from the Department of Science and Technology, GoK & KSTePS and VGST,

We are directed to inform you that your proposal entitled “**Development of Bioinspired Algorithms for Real Time Piracy Detection Systems based on Thermogram Analysis**” Submitted under the VGST scheme of RGS-F for the financial year 2019-2020 has been approved by the Government based on the recommendations of the Selection Committee, Vision Group on Science and Technology under the Chairmanship of Bharat Ratna Prof. CNR Rao, Honorary President, JNCASR.

The grant will be released to the Head of the institution by KSTePS. The Principal Investigator and Co Principal Investigator shall be responsible for completion of the stated objectives of the project. The Principal Investigator through the Institution Head shall have to submit the progress report once in three months without fail. The grant shall be used only for the purpose described in the grant application by following due procedures of KTPP Act.

The Government may terminate the grant at any stage, if it is not convinced about the proper utilization of grant and progress made. The total amount released or any unspent balance with accrued interest must be returned back to VGST. Any publications or other dissemination arising from research supported by VGST grants should be properly acknowledged.

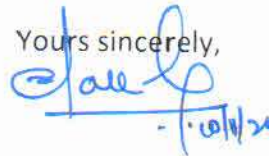
A Memorandum of Agreement (MoA) is enclosed and same to be duly signed on Rs. 100/- stamp paper and submit to VGST before 25th November, 2020.

The sanctioned grant will be sent through NEFT/RTGS to your institution. Hence, it is requested to send the following details on your intuitional letter head, sealed and signed by the authorized signatory, by post. A scanned copy of the same may also be sent to visiongroup.st@gmail.com

1. Account Name
2. Account Number
3. IFSC Number
4. Name of the Bank
5. Branch

We would like to personally congratulate and greet you for being selected for VGST program and we wish you a great success in the implementation of the project. For all your future correspondence, you may contact VGST office.

Thanking you and best regards,

Yours sincerely,

- 10/1/20

CC:

- 1) The Principal, K.S. Institute of Technology, No.14, Raghuvanahalli, Kanakapura Main Road, Bengaluru - 560 109.
- 2) The Deputy Secretary to Govt., Dept. of Science and Technology, Room No. 305, 5th Floor, 5th Stage, M.S. Building, Dr. Ambedkar Veedhi, Bengaluru -560 001.
- 3) The Managing Director, Karnataka Science and Technology Promotion Society, Vijnana Bhavana, 3rd Floor, 24/2, 21st Main Road, Banashankari 2nd Stage, Bengaluru- 560070.
- 4) Mr. Sunil Kumar G R, Asst. Professor, Dept. of Electronics and Communication Engineering, K.S. Institute of Technology, No.14, Raghuvanahalli, Kanakapura Main Road, Bengaluru - 560 109.



Government of Karnataka

Vision Group on Science and Technology

Department of Information Technology, Biotechnology and Science & Technology
4th Gate, 7th Floor, M.S. Building, Dr. Ambedkar Veedhi, Bengaluru - 560 001
Phone : 080-2203 2013, E-mail : visiongroup.st@gmail.com, Website : www.vgst.in

Dr. Surekha B
11/2/2021

Dr.S.G.Sreekanteshwara Swamy,Ph.D.,
Consultant

No /VGST/GRD -907 /2019-20/2020-21/ 290

Date: 11-02-2021

The Principal,
K.S. Institute of Technology,
No.14, Raghuvanahalli, Kanakapura Main Road,
Bengaluru - 560 109.

Dear Sir/Madam,

Subject :Approval for the submission of PART-A, the purchase of equipment GRD-907.

With reference to the approval of GRD No-907 -Dr.Surekha Borra, Professor, Department of Electronics and Communication Engineering, K.S. Institute of Technology, No.14, Raghuvanahalli, Kanakapura Main Road, Bengaluru ,under the scheme RGS/F was sanctioned the project entitled "Development of Bioinspired Algorithms for Real Time Piracy Detection Systems based on Thermogram Analysis" and released the grant of Rs 3.00 lakh for one-time grant in the FY:2019-20 through RTGS (UTR No: SBINR52021011907253053 Dt: 19.01.2021).

As submitted the PART-A by the Grantee institution requesting for the purchase of Equipment for the one -time grant and the details are as follows.

Sl. No	The PART –A under Non –Recurring (ETP) Budget as submitted by the Grantee Institution	Unit Price x No.of units (in Rs)	Amount (Rs) in lakhs
1	Thermal imager	1,50,000x1	1,50,000
2	workstation	1,20,000x1	1,20,000
		Total ETP	2,70,000
	Manual tendering process: (MTP)		
1	NIL	--	--
		Total Amount ETP	2,70,000

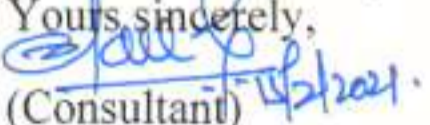
The one-time grant – Recurring Budget Details for the FY: 2019-20:

Sl .No	The PART –A under Recurring Budget as submitted by the Grantee Institution	Amount (Rs)
1	Chemicals, Glass wear, plastic wears, Biological specimens.	--
2	Electrical & Electronics spare parts/any other related items	10,000
3	Mechanical Spare parts / any other related items	5,000
4	Contingency	15,000
5	Books & Journal	--
Total		30,000

The PART – A details as submitted by the Grantee Institution and approved by VGST are as follows.

Particulars	Amount (in Rs.)
Grant Amount for the FY 2019-20	3,00,000
TOTAL	3,00,000
Non-Recurring:	
E-Tendering (ETP)	2,70,000
M-Tendering (MTP)	--
TOTAL (A)	2,70,000
Recurring	
Contingency and consumables	30,000
TOTAL (B)	30,000
Approval by VGST (PART - A submitted by GI / PC) TOTAL (A) + (B)	3,00,000
BALANCE AMOUNT NOT APPROVED	0.0

As mentioned in the procurement (PART-A), document MoA, Guidelines, terms and conditions the institution may purchase the equipments through E-Tendering and Manual Tendering Process. Please do not deviate from the KTPP Act for the procurement of equipments. Please submit the PART-B and Progress Report (PART-C) after the purchase is completed to the VGST office. Once again request you to follow the MoA, Guidelines, Terms and conditions strictly while executing the project. The necessary formats are available in the VGST website: <http://vgst.in/downloads.php> This is for your kind perusal.

With thanks and regards,
Yours sincerely,

(Consultant)

CC : Dr.Surekha Borra, Professor, Department of Electronics and Communication Engineering, K.S. Institute of Technology, No.14, Raghuvanahalli, Kanakapura Main Road, Bengaluru - 560 109.

CC: Mr.Sunil Kumar G R, Asst.Professor, Dept. of ECE Engineering, K.S. Institute of Technology, No.14, Raghuvanahalli, Kanakapura Main Road, Bengaluru - 560 109.

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: <http://www.ksctst.iisc.ernet.in/spp.html> || Email: spp@ksctst.iisc.ernet.in || Phone: 080-23341652, 23348840/48/49

Series of Student Project Programme: 2020-21

List of Student Project Proposals Approved for Sponsorship

K.S. 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.)	Bank A/C Details
567.	44S_BE_2122	MEDIA FORENSICS AND DEEP FAKES	TELECOMMUNICATION ENGINEERING	B.E.	Dr. CHANDA VREDDY	Ms.MADHUSHREE T P Ms. ANUSHA H Mr. NISCHAY P Mr. DHANUSH N	5000.00	Canara bank , Tyamagondlu, A/C No.:0436108025867 IFSC Code: CNRB0000436
568.	44S_BE_2127	ZERO CONTACT DELIVERY SYSTEM FOR FASTER AND SAFER DELIVERY THROUGH IOT	TELECOMMUNICATION ENGINEERING	B.E.	Dr. REKHA N	Mr. DHANANJAYA KUMAR S Mr. PRAJWAL AJAY Ms. YASHASVI BHAT Mr. RAVITEJ K	6000.00	A/C No.: 1331155000025291 IFSC KVBL0001331
569.	44S_BE_2133	FABRICATION OF PORTABLE SHREDDING AND COMPOSTING DEVICE FOR KITCHEN AND GARDEN WASTE.	MECHANICAL ENGINEERING	B.E.	Prof. K PRASAD	Mr. ANIRUDH BHARADHWAJ K Mr. BHARATH KUMAR G Mr. GANAPATI MANJUNATH HEGDE Mr. GANESHKUMAR NARAYAN HEGDE	6000.00	A/c # 612500104286801 IFSC KARB0000061
570.	44S_BE_2134	DESIGN AND DEVELOPMENT OF ZERO LAG TURBOCHARGER TO INCREASE ENGINE EFFICIENCY AND TO REDUCE AIR POLLUTION	MECHANICAL ENGINEERING	B.E.	Prof. ANILKUMAR A	Mr. DARSHAN B S Mr. ASIF K Mr. ABHILASH K S Mr. PRAKASH Y	6500.00	A/c # 594120000109 IFSC CNRB0000594
571.	44S_BE_2136	AUTOMATIC DISINFECTANT SYSTEM	MECHANICAL ENGINEERING	B.E.	Mr. GAUTHAM S	Mr. PUNEETH GOWDA.N Mr. SOWRAV A Mr. SKANDA S Mr. SHASHKIRAN S	6000.00	A/c # 50100251282400 IFSC HDFC0004183
572.	44S_BE_2140	READING A PHYSICAL BOOK FOR A VISUALLY IMPAIRED PERSON THROUGH VOICEOVER NAVIGATION SYSTEM	COMPUTER SCIENCE AND ENGINEERING	B.E.	Dr. RAM P RUSTAGI	Ms. SRIKALA K M Ms. SWATI PAI Ms AMOGHA MANJUNATHA K Ms. SAKSHI KUMARI	6000.00	A/C # 04152210002861 IFSC CNRB0010415

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 || Phone: 080-23341652, 23348840/48/49

Series of Student Project Programme: 2020-21

List of Student Project Proposals Approved for Sponsorship

573.	44S_BE_2202	PHOTOVOLTAIC DUAL PURPOSE THERMOELECTRIC REFRIGERATOR	ELECTRONIC S AND COMMUNICATION ENGINEERING	B.E.	Mrs. V SANGEETHA	Mr. PAVANPRASAD.R Mr. MOHAMMED SADATH Mr. MAHADEVA G.R Mr. YASHAS R	5000.00	A/c # 20017395615 IFSC SBIN0006767
574.	44S_BE_2206	FABRICATION AND PERFORMANCE TESTING OF PORTABLE ARCHIMEDES SCREW MICRO-HYDRO GENERATOR	MECHANICAL ENGINEERING	B.E.	Mr. K PRASAD	Mr. R GOKUL Mr. RAJATH N R Mr. SATWIK SHIVARAM BHATT Mr. SHASHANK L	6000.00	A/c # 2753131004505 IFSC CNRB0002753
575.	44S_BE_3757	IOT BASED AMBULATORY BAG MECHANICAL VENTILATOR	TELECOMMUNICATION ENGINEERING	B.E.	Dr. CHANDA VREDDY	Ms. PRIYANKA S Ms. NISHA DEEPAK Mr. VADHIRAJ R	5500.00	State Bank of India, ISRO layout Branch, A/C No.: 37018494292 IFSC Code: SBIN0011351

Note:

- Transaction details of sanctioned amount of **Rs. 52000/-** credited on **28th May 2021** by **NEFT DR- P148210110028871-KS IT OF TECH BLORE- UTIB0001513- BLR IISc**.
- 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 **20th 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**).



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿಜಯ ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)
'ಜ್ಞಾನ ಸಂಗಮ', ಬೆಳಗಾವಿ - ೫೯೦ ೦೧೮ ಕರ್ನಾಟಕ ರಾಜ್ಯ

Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the VTU Act, 1994)
"Jnana Sangama", Belagavi-590 018, Karnataka State, India

Prof. A. S. Deshpande B.E., M.Tech., Ph.D.
REGISTRAR

Phone: (0831) 2498100
Fax: (0831) 2405467

Ref: VTU/Acr./A4/2021-22/2628/43

Date: 20 SEP 2021

To,

The Principal,
K.S. Institute of Technology # 14,
Raghuvanahalli, Kanakapura Road,
Bengaluru - 560109.

Sir,

Sub: Sanction of Financial Assistance for 2020-21 to the
Innovative Project of UG Final Year students of your Institution..reg.
Ref: No.VTU/BGM/PS/2021-22/545, dated 06.05.2021

With reference to the above subject, please find herewith a D.D Bearing "No 643628,
dated 13.09.2021 of Rs. 40,000/- (Rupees Forty Thousand Only) towards the sanction of financial
assistance to the selected Innovative projects of UG final year students of BE / B.Tech.

Further, you are hereby informed to distribute the amount to the concerned students and
get an acknowledgement for the same.

Original copy of the acknowledgements should be submitted to the undersigned on or
before 30th September 2021.

Encl: as above

REGISTRAR
10/9/21

To Shri/Dr. Sudarshan

28/9/21

Mrs. EM
M. Gowtham B. 18/9/21
for collection



K S Institute of Technology, Bengaluru – 109

Department of Telecommunication Engineering

**Report on 3 Day FDP titled “INSIGHTS ON ANTENNA, SATELLITE AND
RADAR COMMUNICATION”**

Date and Time of FDP: 10/8/2020 and 12/8/2020 from 10.00AM to 12.00PM and
1.30PM to 3.30PM

Organized by: Department of Telecommunication Engineering, K.S Institute of
Technology, Bengaluru

Through: Zoom online Application.

Meeting Details:

SL. NO	Date & Session	Meeting Details
1	10-08-2020 Session-1 (Morning Session) 10am -12pm	Meeting link: https://us02web.zoom.us/j/6981862657?pwd=ZnJxMElMVm9XbHZtWmZ2eVF3N3VIUT09 Meeting ID: 698 186 2657 Passcode: webinarTC
2	10-08-2020 Session-2 (Afternoon Session) 1.30pm -3.30pm	Meeting link: https://us02web.zoom.us/j/6981862657?pwd=ZnJxMElMVm9XbHZtWmZ2eVF3N3VIUT09 Meeting ID: 698 186 2657 Passcode: webinarTC
3	11-08-2020 Session-1 (Morning Session) 10am -12pm	Meeting link: https://us02web.zoom.us/j/6981862657?pwd=ZnJxMElMVm9XbHZtWmZ2eVF3N3VIUT09 Meeting ID: 698 186 2657 Passcode: webinarTC

4	11-08-2020 Session-2 (Afternoon Session) 1.30pm -3.30pm	Meeting link: https://us02web.zoom.us/j/6981862657?pwd=ZnJxMElMVm9XbHZtWmZ2eVF3N3VIUT09 Meeting ID: 698 186 2657 Passcode: webinarTC
5	12-08-2020 Session-1 (Morning Session) 10am -12pm	Meeting link: https://us02web.zoom.us/j/6981862657?pwd=ZnJxMElMVm9XbHZtWmZ2eVF3N3VIUT09 Meeting ID: 698 186 2657 Passcode: webinarTC
6	12-08-2020 Session-2 (Afternoon Session) 1.30pm -3.30pm	Meeting link: https://us02web.zoom.us/j/6981862657?pwd=ZnJxMElMVm9XbHZtWmZ2eVF3N3VIUT09 Meeting ID: 698 186 2657 Passcode: webinarTC

Target Audience: Faculties of TCE/ECE/EEE/CSE. Participation limit was 100.

Scope and Objectives:

This Faculty Development Program focused on Antenna, Satellite and RADAR Communication and understanding its applications in the current scenario.

This FDP on Antenna, Satellite and RADAR Communication was organized for Faculties of Telecommunication Engineering/Electronics and Communication Engineering/Computer Science Engineering/Information Science Engineering.

Day-1: Morning Session (10AM to 12PM)

Speaker: Dr. Rahul Vivek Purohit, Professor & Head, HITAM, Hyderabad

Session started with welcoming all the participants and session speaker by respected Dr. Chanda V Reddy Madam, Professor and Head, Department of TCE. Respected speaker started session at 10.05AM. Speaker discussed about the radiation pattern of an antenna, importance of beam area and efficiency in antenna design, types of antenna. Concept of boundary conditions in designing antenna was discussed by

speaker. Speaker also discussed concept of broadside array and end fire array. Applications of antennas were discussed by speaker. Speaker addressed many questions asked by the participants. Total strength of the session was 91.

Day-1: Afternoon Session (1.30PM to 3.30PM)

Speaker: Dr. Prasanna G Paga, Asst. Prof, Dept of ECE, NMIT, Bengaluru

Session started with welcoming all the participants and session speaker by respected Dr. Chanda V Reddy Madam, Professor and Head, Department of TCE. Respected speaker started session at 1.35PM. Speaker discussed about the antenna performance parameters, comparison of different feeding schemes. Concept of impedance matching, polarized antenna, electrically reconfigurable antenna, radiation and fabrication was discussed by speaker. Speaker also discussed concept of reconfiguration theory which is very important in designing antenna. Technical issues of antennas were discussed by speaker. Speaker addressed many questions asked by the participants. Total strength of the session was 80.

Day-2: Morning Session (10AM to 12PM)

Speaker: Dr. Surendra Pal, Assoc. Director & program Director, Satellite Navigation Program, Satellite Center, Bengaluru

Session started with welcoming all the participants and session speaker by respected Dr. Chanda V Reddy Madam, Professor and Head, Department of TCE. Respected speaker started session at 10.05AM. Speaker discussed about RF Background Noise Window, Many technological reversals, present communication scenario, current trends in worldwide satellite services and communication trends in 2020. Concept of GAGAN coverage patterns, IRNSS constellation pattern was discussed by speaker. Speaker also discussed mobile communication systems. Transponders usage was discussed by speaker. Speaker addressed many questions asked by the participants. Total strength of the session was 70.

Day-2: Afternoon Session (1.30PM to 3.30PM)

Speaker: Dr. Komala M, Assoc. Prof, Dept of ECE, SJBIT

Session started with welcoming all the participants and session speaker by respected Dr. Chanda V Reddy Madam, Professor and Head, Department of TCE. Respected speaker started session at 1.35PM. Speaker discussed about the RADAR frequency

of operation, Elementary form and principle operation of RADAR. Concept of continuous wave and pulse Doppler RADAR was discussed by speaker. Speaker also discussed concept of Moving Target Indicators. Applications, Components of pulse RADAR, comparison of different RADARs were discussed by speaker. Speaker addressed many questions asked by the participants. Total strength of the session was 65.

Day-3: Morning Session (10AM to 12PM)

Speaker: Mr. S. Varadarajan, Former Director, LRDE, Bengaluru

Session started with welcoming all the participants and session speaker by respected Dr. Chanda V Reddy Madam, Professor and Head, Department of TCE. Respected speaker started session at 10.05AM. Speaker discussed about critical parameters to consider while designing the RADARs, clutters and interference. Concept of RADARs cross section of targets, concept of detectability and matched filters was discussed by speaker. Speaker also discussed types of clutters and its parameters to consider while designing RADARs. Concept of FMCW RADARs, Doppler extraction, Receiver noise figure was discussed by speaker. Speaker addressed many questions asked by the participants. Total strength of the session was 64.

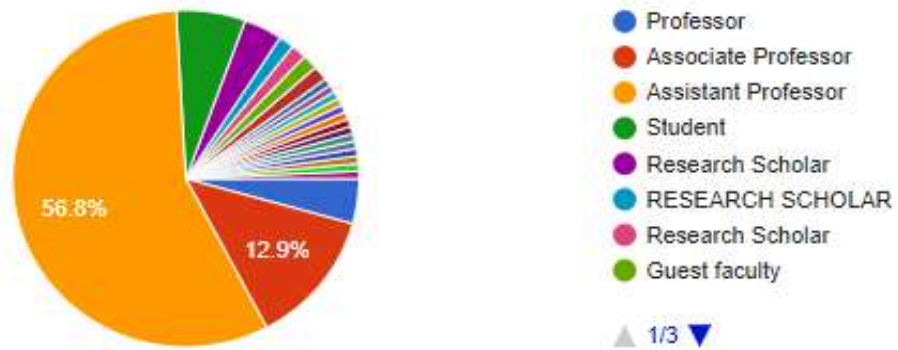
Day-3: Afternoon Session (1.30PM to 3.30PM)

Speaker: Mr. Sasindran Prabhu, Senior Solutions Architect (EX), Tech Mahindra, KRP KSGI, Bengaluru

Session started with welcoming all the participants and session speaker by respected Dr. Chanda V Reddy Madam, Professor and Head, Department of TCE. Respected speaker started session at 1.35PM. Speaker discussed about the evolution of 5th Generation Technology and its features. Concept of user expectations in 5G, 5G enabling technologies was discussed by speaker. Speaker also discussed concept of advanced antenna structures for 5th generation technology. 5G network architecture, network slicing, 5th generation user cases and services were discussed by speaker. Speaker addressed many questions asked by the participants and conducted a quiz of 20 questions by asking questions in zoom online platform. Total strength of the session was 77.

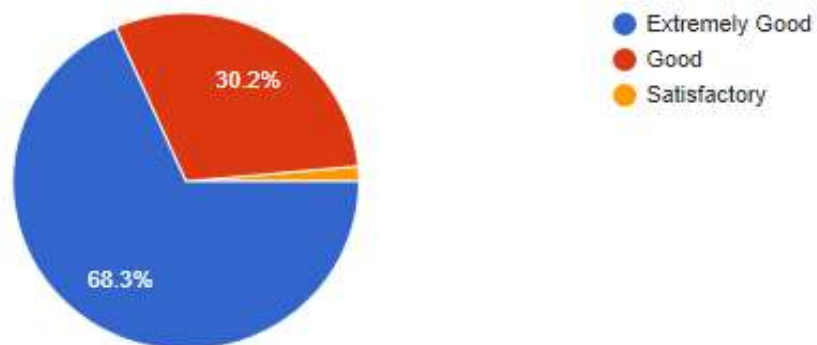
6. Designation/Role

139 responses



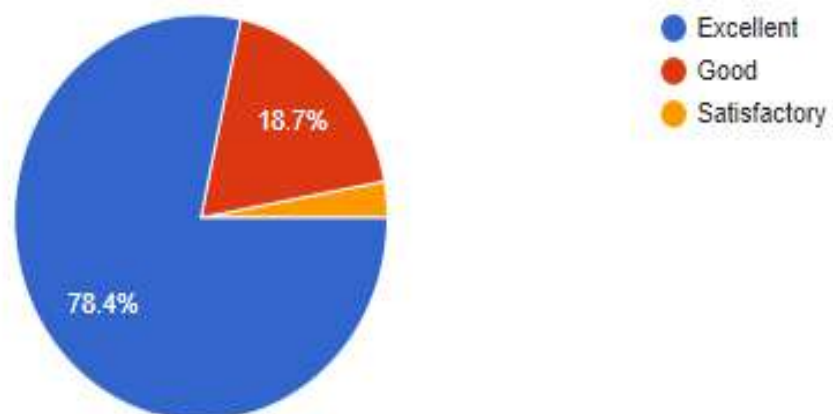
7. Audio & Video Clarity of the Webinar

139 responses



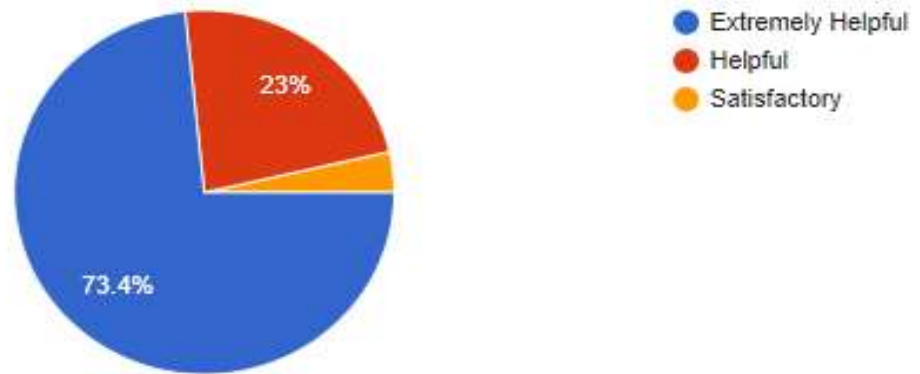
10. Overall Organization and Planning of the Webinar

139 responses



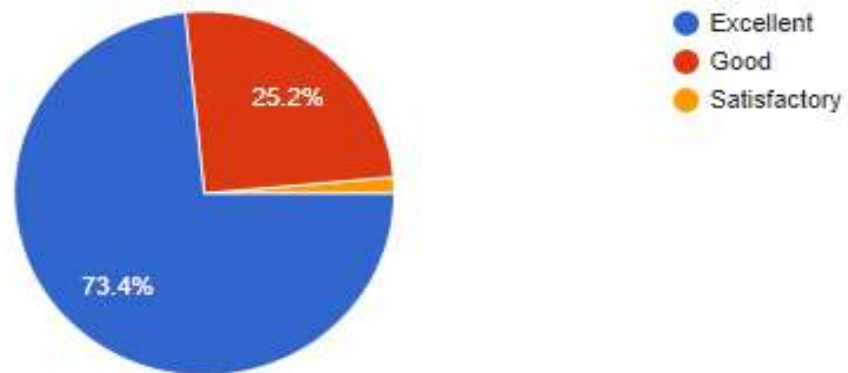
8. How Helpful was this Webinar to you

139 responses



9. Your Overall Opinion about Resource Person's Presentation

139 responses



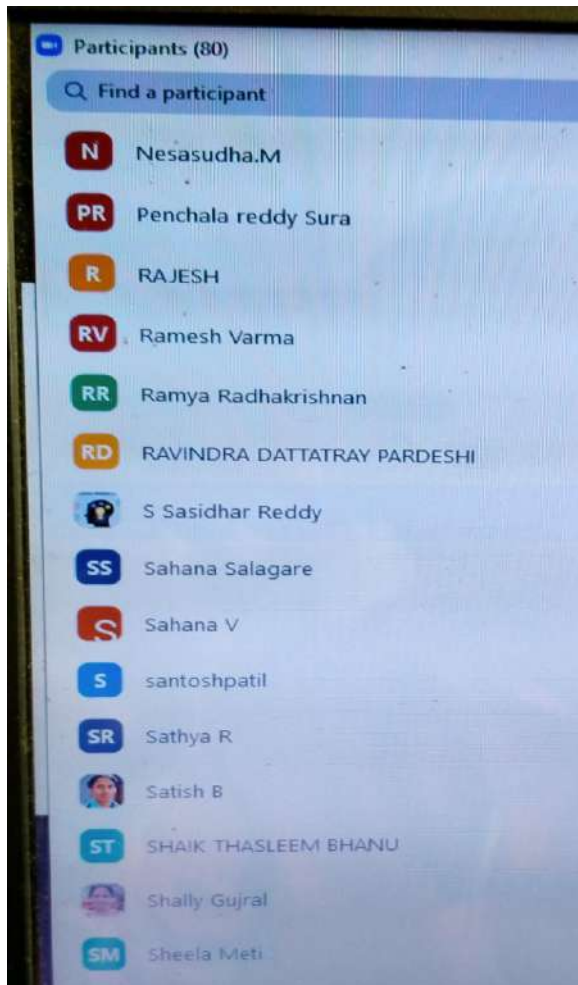


Fig A: Attendance Sample

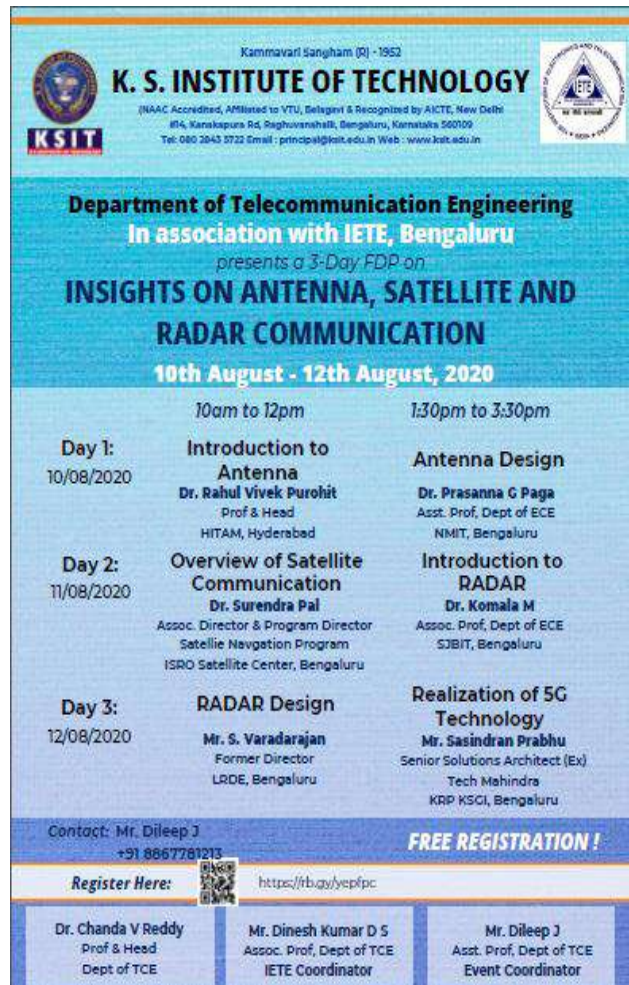


Fig B: FDP Poster



CERTIFICATE

This certificate is awarded to

Mr. DILEEP J

from K S Institute of Technology, Department of Telecommunication Engineering for participating in the Faculty Development Program titled "INSIGHTS ON ANTENNA, SATELLITE AND RADAR COMMUNICATION" conducted by the Department of Telecommunication Engineering from 10/8/2020 to 12/8/2020.

Dileep
12/8/2020

Mr. Dileep J
Event Coordinator

Dinesh
12/08/2020

Mr. Dinesh Kumar D S
IETE Coordinator, Dept. of TCE

Chanda
12/8/2020

Dr. Chanda V Reddy
HOD, Dept. of TCE

No.14, Raghuvanahalli, Kanakapura Main Road, Bengaluru – 560109 : Website : www.ksit.ac.in

Certificate ID:IDDINS-CE000001

Fig C: Webinar e-Certificate Sample

Mapping of webinar with PO'S and PSO'S

Program	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1
FDP	2	2	1	1	1	-	-	-	-	1	-	2	2

- PO1: Participants gained the knowledge of engineering fundamentals on communication.
- PO2: Participants can be able to analyze complex engineering problems.
- PO3: Participants can be able to apply the knowledge in using various communication programming tools.
- PO4: Participants can identify complex problems for research work.
- PO5: Participants can utilize modern tools for research work.
- PO10: Participants can communicate effectively by gaining knowledge.
- PO12: Participants can apply the basic knowledge in lifelong learning of new programming languages.
- PSO1: Participants are able to understand and apply communication programming tools to various fields of signal communication problems.

Report Submitted By



Mr. Dileep J
Event Coordinator
Dept. of TCE



Mr. Dinesh Kumar D S
IETE Coordinator
Dept. of TCE



Dr. Chanda V Reddy
HOD
Dept. of TCE



Dr. K V A Balaji
Principal/CEO
K.S.IT