



SRI KRISHNA INSTITUTE OF TECHNOLOGY

Hesaraghatta Main Road, Chikkabanavara, Bengaluru:560 090.

Research and Development Cell

REPORT

Project Exhibition “SKIT EXPO-2021”

The National Project Exhibition, “SKIT EXPO-2021” (Virtual), was organized by Research and Development cell of Sri Krishna Institute of Technology on 4th August, 2021.

The main Objective of Project Exhibition was to provide a platform and bring out the potential of the students by showcasing their Innovative Projects & provide an opportunity to demonstrate their learning experience.

The Inaugural session of the Project Exhibition was witnessed by Dr. U N Kempaiah Chairman, Mechanical Engineering, Department, UVCE, the Chief Guest, Dr. Manjunatha A, Principal, Sri Krishna Institute of Technology, Staff, Students of SKIT and external participants of the exhibition.

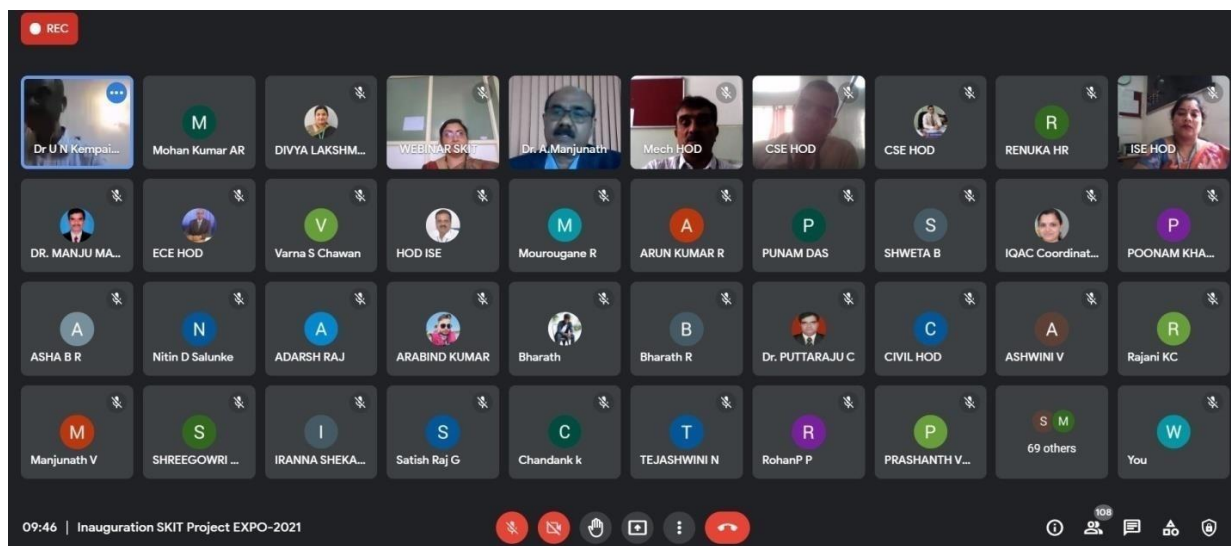
The Inauguration of the Exhibition was held online at 9.30 AM. The dignitaries were welcomed by Dr. Geetha C Megharaj, HOD AIML and R & D Convener.

The Chief Guest Dr. U. N. Kempaiah insisted faculties to encourage students to solve complex Interdisciplinary problems and involvement in skill development activities.

The Inaugural function was presided over by Dr. Manjunatha A., Principal, Sri Krishna Institute of Technology. He stressed on Life Long Learning and Project Based Learning and also informed the students to set the goals to achieve success.

Inaugural Function session link: meet.google.com/ktq-ktsf-icv

Dr. Krishnegowda, Assoc. Prof., Mechanical Engineering, proposed vote of thanks.



Good response from various Engineering Institutions in and around Bangalore and few from out of state were received. Total 72 projects were exhibited during the exhibition. 18 in Computer Science stream, 15 in Mechanical Engineering stream, 5 in Information Science, 23 in Electronics and Communication Engineering, 5 in EE dept, and 6 in Civil Engineering department.

Academicians from various Institutions were invited to review and select the best projects. The details of Internal and External judges for different streams are as below.

- Prof. Prerana Chaithra from Sapthagiri College of Engineering and Dr Shantaram Nayak, HOD CSE, SKIT, for Computer Science and Engineering
- Prof. Ranganath H. R. from Sapthagiri College of Engineering and Dr. Hemalatha K L HOD ISE, for Information Science and Engineering
- Dr. Raghavendra from Sapthagiri college of Engineering and Prof. Chaithra, HOD EEE, for Electrical and Electronics Engineering
- Dr. N Sreenivasalu Reddy from Rajarajeshwari college of Engineering and Prof. Sreenivasan A., HOD MECH, for Mechanical Engineering
- Dr Manjunatha R.C from Global Academy of Technology and Prof. N. C. Patil, HOD ECE for Electronics and Communication Engineering
- Dr R. Murugan from MSRIT and Dr. Harish G. for Civil Engineering

Exhibition Session Links are as below:

CSE : meet.google.com/xzo-wipe-bzg

ISE : <https://meet.google.com/gka-vzwe-mnv>

MECH : <https://meet.google.com/ydr-tmvt-zcy>

EEE : <https://meet.google.com/vrw-ggtv-ybt>

ECE : <https://meet.google.com/cfr-rucr-hvn>

CIVIL : <https://meet.google.com/qop-iwwk-qvk>

The winners of various streams are as below

Computer Science and Engineering

I Prize

1KT17CS050	POOJA N R	Smart Home Automation using WiFi Technology
1KT17CS059	RUTHU G	
1KT17CS079	VIDYA M	
1KT17CS085	THANUSHREE H	

II Prize

Dr T. Thimmaiah Institute of Technology, KGF	CHARLS REYNOLD,	Face Mask Detection Using CNN and Temperature Screening
	JANANEY B	
	POOVARASI S	
	PREETHI N	

III Prize

1KT17CS032	KIRAN D K	Social Distancing and Face Mask Detection using ML
1KT17CS047	NIKITHA S	
1KT17CS054	RAKSHITH V GOWDA	
1KT17CS071	SPOORTHI R	

Mechanical Engineering

I Prize

1KT17ME003	ANDRILA BOSE	Fabrication of hub less e-bike
1KT17ME005	ANAND AMRITH RAJ	
1KT17ME023	PABIN KUMAR MAHATO	
1KT17ME036	VIPUL GOEL	

II Prize

Mangalore Institute of Technology and Engineering, Moodabidri

4MT17ME079	MD. ZOHAIB KOLKAR	Modular Robot Buggy Utilizing Lidar for 2D mapping in Home and Agriculture
4ME17ME040	PRATHISH SUVARNA	
4MT17ME029	MUAAZ	
4MT17ME130	SHAIKH MD. DAYIN	

III Prize

1KT17ME021	NOOR NABI HUSSAIN	Firefighting AGV
1KT17ME031	SANDEEP YADAV	
1KT18ME402	ARABIND KUMAR YADAV	

Electronics and Communication Engineering

I Prize

Global Academy of Technology	1GA17EC115	Sachin Chandra Sinha	Driving Simulator
	1GA17EC020	Bhumika Ravishankar	
	1GA17EC009	Alex George	

II Prize

SKIT	1KT17EC008	Darshan Gowda L	Tomato Plant Disease Detection Using Convolutional Neural Network
	1KT17EC011	Girish K	
	1KT17EC025	Pallavi M	
	1KT17EC035	Sachin S J	

III Prize

SKIT	1KT17EC037	Shirisha N	Emergency Portable Ventilator
	1KT17EC047	Vinutha M S	
	1KT17EC006	Bhupendra R	
	1KT17EC014	Harshitha S	

Civil Engineering

I Prize

1KT17CV017	HITEISH GOWDA	Pervious Concrete
1KT17CV019	KIRAN R	
1KT18CV408	NAVEEN S	
1KT18CV415	SRINIVAS	

Information Science and Engineering

I Prize

1KT17IS001	ASHRITHA P	Leaf disease prediction using ML
1KT17IS008	NIRMALA V	
1KT17IS018	SHRAVANI H A	
1KT17IS019	SUBHASHINI PAL	

Electrical and Electronics Engineering

I Prize

1KT16EE010	Lakshmi.K	Design and implementation of modern agriculture techniques for crop protection using IoT
1KT17EE007	Pramila	
1KT17EE003	Geetha K S	

II Prize

1KT16EE019	Sakheeb	Multi-Function Operated Wheel Chair Movement Control for disable person using eye boll tracking, hand gesture and voice control
1KT15EE011	Naveen Kumar V P	
1KT16EE410	Rahul Debbarma	
1KT15EE002	Bharath R	

The outcome of this project expo was that the students were able to showcase their work at Intercollegiate National Project Exhibition and the process boosted their confidence level to face challenges.

Prepared by

Dr. Divyalakshmi J
Dr Manju M
Members, R & D Cell

Dr. Geetha Megharaj
R & D Cell Convener

Chief Patrons

Dr. K.M.Venkataramana
Founder & Secretary, SREIS

Smt. Sumitra Venkataramana
President, SREIS

Dr. Raghavendra V.
Director, SREIS

Ms. Rakshitha V.
Associate Director, SREIS

Patron

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Principal, SKIT, Bengaluru

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Prof. and HOD, Dept. of CSE

Dr. Hemalatha K. L.
Dean (Student affairs) & HOD Dept. of ISE

Prof. Sreenivasan A.
Prof. and HOD
Dept. of MECH

Prof. N. C. Patil
Prof. and HOD, Dept. of ECE

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Prof. and HOD, Dept. of CIVIL

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Dr. Shankar B.S.
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Dept. of Chemistry

Convener

Dr. Geetha Megharaj
Prof. & HOD AI&ML

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Prof., Dept. of MECH

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Assoc. Prof., Dept. of CSE

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Asst. Prof., Dept. of ISE

Prof. Shwetha
Asst. Prof., Dept. of EEE

Prof. Mohan K. T.
Asst. Prof., Dept. of CIVIL

Sri Raghavendra Educational Institutions Society(R)
**SRI KRISHNA INSTITUTE OF
TECHNOLOGY**

(Affiliated to VTU, Belgaum, Approved by AICTE, New Delhi,
Accredited by NAAC and Recognized by Govt. of Karnataka)
No.29, Hesaraghatta Main Road, Chimney Hills,
Chikkabanavara P.O., Bengaluru-90



**National Project Exhibition
(Virtual)
"SKIT EXPO-2021"**

4th August 2021

Organized by

**RESEARCH & DEVELOPMENT
CELL**



2020-2021

ABOUT SREIS

Sri Raghavendra Educational Institutions Society (SREIS) has been in the service to the nation in the field of Health and Education. It is house hold name in the field of Engineering, Medical and Paramedical Education. Sri Krishna Polytechnic, Raghavendra College and School of Nursing, Krishna College of Education and KMV Red Hills High School run by the society are the landmarks in the history of education in this part of the country.

ABOUT SKIT

Sri Krishna Institute Of Technology, Bengaluru was established in the year 2001. It is one of the feathers of Sri Raghavendra Educational institutions Society (SREIS), Bangalore. The Institution is recognized by AICTE, New Delhi, Approved by Govt. of Karnataka & is affiliated to Visvesvaraya Technological University (VTU), Belagavi and NAAC accredited. The Institution offers UG courses in the disciplines of CSE, ISE, ME, AI & ML, CIVIL & ECE. The faculty members at SKIT are highly qualified & experienced. The campus is Wi-Fi enabled with well equipped state of the art laboratories, computing facilities, library, sports and hostel facilities for boys and girls. The college is located at a distance of 15kms from Bengaluru city and 0.5 km from Chikkabanavara railway Station.

ABOUT RESEARCH & DEVELOPMENT CELL

The Research & Development (R&D) Cell of SKIT aims to reach the Vision and Mission of the college. The R & D Cell of SKIT facilitates and encourages research culture among the faculty and students. The prime role is to

promote research through range of publications. It provides data regarding research, consultancy and extension towards NIRF, NAAC. It promotes multidisciplinary projects, paper publications/presentations in referred Journals and also encourage faculty to get research funds from various funding agencies like AICTE, DST, CSIR, KSCST etc. It organizes various R & D related Seminars/Workshops to faculty in various Domains.

ABOUT THE EXHIBITION

The Mission of SKIT Project Expo is to provide a platform for the final year students, to demonstrate and explain their project work, thereby promoting the learning process with hands-on experience.

Rules and Guidelines

- Each team can have maximum of 4 members
- Open to UG students
- Project work must be explained through pre recorded video with simple description
- Maximum time 10 Mins for a team

WHO CAN PARTICIPATE

UG Engineering Students.

IMPORTANT DATES

Project Submission (Video Recording):
02/08/2021
Registration on or before:
03/08/2021

REGISTRATION DETAILS

FEES:

It is mandatory for at least one of the team member to register

Registration fees Rs. 200 Per Project

REGISTRATION BENEFITS

- Cash Prize for Two Best Projects in each stream
- Participation E-Certificate

MODE OF PAYMENT

Payment can be done by Google Pay/ Phone Pay

REGISTER CONTACT

Dr. Krishnegowda B. M.
Mob: 7022969478

REGISTRATION LINKS

CSE:

<https://forms.gle/LrvxZdthgNATA58d7>

ISE:

<https://forms.gle/JCbHcbECySkbdq7S6>

MECH:

<https://forms.gle/dzAof46qtnG2DJ7>

ECE:

<https://forms.gle/jNWCmXYsNbgBivz>

K8

EEE:

<https://forms.gle/kdZRMboY5dYk8x5M>

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CIVIL:

<https://forms.gle/X6dcGY4jvHw9PgA1>

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