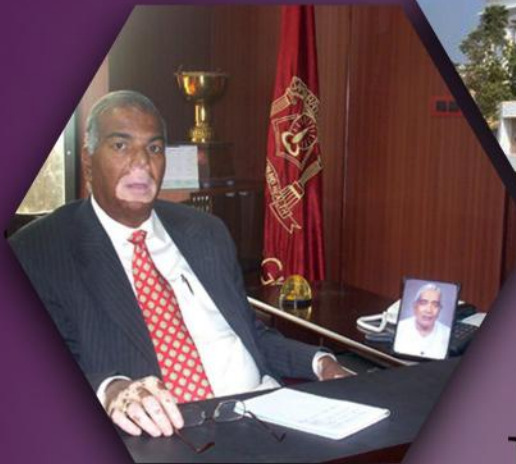




# SAMBHRAM

## INSTITUTE OF TECHNOLOGY

NEWSLETTER  
FEB-JUN 2021



# ELITE



VOLUME: 9

ISSUE No. 14



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## **OUR MISSION**

**Work oriented education combined with ethical values, character building in context of today`s millennium.**

**To create excellent infrastructure facilities, state-of-the-art laboratories and incubation centres.**

**To enhance the leadership qualities among the youths and enrich personality traits and promote patriotism and moral values.**

**To cultivate the basic qualities among students to build up a strong character and imbibe a sense of moral, ethical and spiritual values.**

**Sambhram Institute of Technology strives to provide excellent academic ambiance to the students for achieving global standards of technical education, foster intellectual and personal development, meaningful research and ethical service to sustainable societal needs.**

## **OUR VISION**

**The future is embodied in the present generation. Professional education combined with practical exposure to create values in the students who are the future of our nation.**

# Where Warriors Conquer



## FROM THE CHAIRMAN'S DESK...

*The newsletter which is being rolled out today marks the launch of an effervescent activity that would enable the Management to bring out to the eyes of the competitive world, the academic achievements of our prestigious institution. Sambhram Institute of Technology has grown in leaps and bounds, hurtling across barriers along the way. This has been made possible with the collaborative effort of the Management, the Staff and the Students. I congratulate everyone for their commitment.*

**Dr. V Nagaraj**  
Chairman

Sambhram Group of Institutions.

## FROM THE PRINCIPAL'S PEN...

*It is my pleasure to congratulate the editorial board on this pleasant occasion of releasing the newsletter for the period August 2020 to January 2021. It is great to find a considerable number of winners and participants in co-curricular and extracurricular activities which certainly prove that our staff and students are adequately equipped and possess necessary quality skill-sets to bring such laurels to the institution. I wish that this number may grow in the years to come. I am sure that publishing a newsletter of this sort containing the achievements of the SaIT family will be a recognition to them. I wish them all the very best for future endeavours.*

**Dr. H. G. Chandrakanth**  
Principal  
Sambhram Institute of Technology.





## MESSAGE FROM THE CHIEF-EDITOR

Dr. T John Peter  
Head Of The Department  
Department Of CSE  
**Sambhram Institute Of  
Technology**

Being the Editor In charge of the Sambhram Institute of Technology semi-annual magazine —Elite, it gives me great pleasure to bring to you this issue. Elite is designed to present to its readers the year's events that have gone by, the magazine also showcases the talents of our faculty members and students. With a sense of pride and satisfaction I would like to say that with the active support of the management, faculty and students, Elite has come alive .With all the efforts and contributions put in by the students, I truly hope that the pages that follow will make some interesting reading.

I congratulate the editorial team for making Elite innovative and inspiring.



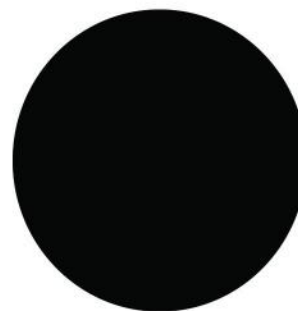
## EDITOR'S NOTE

It gives us immense joy and satisfaction to finally re-introduce our very own college magazine "ELITE". Just like the gods and the asuras churned the ocean of milk to extract the nectar, we have tried to churn out creativity from this mess of science. A lot of effort has gone into the making of this issue. We hope you enjoy reading the magazine. The best thing about this issue is that it represents the creative side of I SAIT STUDENTS and faculties to a fair degree-something that we think we all need to reconnect with.

**" Good leaders create a vision, articulate a vision and passionately owns a vision and turn it into a reality"**  
**- Jack Welch.**



Mrs. Mallamma C G  
 Assistant Professor  
 Dept. of CSE



Mrs. Shamala M G  
 Assistant Professor  
 Dept. of CSE



Steven F G  
 7th Sem  
 Dept. of CSE



Priyanka M S  
 7th Sem  
 Dept. of CSE

## ACKNOWLEDGEMENT

The price of success is hard work, dedication to the job at hand, and the determination that whether we win or lose, we have applied the best of ourselves to the task at hand."

It gives us immense pleasure to release the 9th edition of the departmental magazine "ELITE".

We would like to express our deep gratitude to Dr. V Nagaraj, The honourable chairman , Dr. H G Chandrakanth, The principal, Sambhram Institute of Technology, in bringing out this magazine.

We take pride in acknowledging the insightful guidance of Dr. T John Peter, Head of the Department, CSE in making of the magazine. Of the many people who have been enormously helpful in the production of the magazine, we are very grateful to the forum co-ordinators Prof. Mallamma Goudar and students of Computer Science & Engineering.

We would like to offer our special thanks to the faculty of CSE. Their support, encouragement and credible ideas have been great contribution in the successful completion of this magazine.

## PREFACE

The Sambhram Institute of Technology was established by a team of experts who are a perfect blend of industry and academia. The founders of this Institution and others, who are associated with us, are eminent educationists, distinguished personalities and philanthropic minded persons who have laid a solid foundation and are nurturing it to grow phenomenally. With commendable dedication, determination, optimistic and indomitable courage, the managing committee members have pledged to shape the institution to a gigantic position in the near future. It was Established in 2001 with four engineering branches namely Computer Science, Electronics & Communication, Information Science & Mechanical, today SaIT offers 5 Under Graduate Engineering programmes, 2 Master Degree programmes and 5 Doctoral programmes and rated among top Engineering Institutions in the Bangalore. Current annual student intake for Undergraduate Programmes & Post Graduate Programmes in Engineering is around 1200. SaIT aims at an integral training of students forming them into genuine persons with relevant skills, values and attributes in such a way that they are enabled to develop a career sensitive to the challenging world of technological advancement and to live for the prosperity of every human being. We cultivate the basic qualities among students to build up a strong character and imbibe a sense of moral, ethical and spiritual values. Towards this end, we are imparting an integral training to transform students to genuine citizens for the prosperity of every man and woman in our country. The Sambhram Institute of Technology is committed to create quality professionals to meet the emerging industrial and social needs through innovative teaching applied research, Industrial Interaction, Placing faith in human values and aiming at continual improvement in all activities. We strive to provide the quality education that meets the need and aspirations of the students, employers and society. The institute aims to respond to all of these groups by providing curriculum and support which is necessary to enable the progression and to allow individuals to grow, develop and become universally accepted technocrat.



# COMPUTER SCIENCE AND ENGINEERING

The Department of Computer Science and Engineering (CSE) has grown exponentially over the last few years, evolving to meet demands of the 21st century. It is the study of the theoretical foundation of information and computation of practical techniques for the implementation, an application in computer system. The program gives the students a firm footing into the intricacies of its technology such as circuits, design, structures language, processors, operating systems, database management, simulation and modeling. The engineers of computer science find themselves at a very advantageous position in the carrier field. Manufactures of computer, electronic gadgets, communication products, highly specialized processors such as in automobile, aircraft, satellite, shipping etc. requires trained computer science engineers.

## 1. Papers published or Presented by faculties:

- Dr. T. John Peter & Prof. Asha M L has Published paper and presented in International Conference on Computational Intelligence and Data Science titled "Performance Evaluation of Back propagation Algorithm by change in learning rate and Momentum value a Machine Learning approach" Organized by East West College of Engineering, Bangalore, on 4th February 2021.

Dr. T. John Peter & Prof. Asha M L has Presented paper in International Conference on Current Research Trends in Engineering, Science & Management(ICCRTESSM-2021) Titled "Experimental Analysis of Naïve Bayes Algorithm for Prediction in Data Mining Classification Technique- A machine Learning Approach" Organized by Sambhram Institute of Technology, Bangalore, on 29th March 2021.

- Prof. Mallamma C G & Prof. Varlaxmi B D of Acharya IT, Bangalore, applied Research Project Proposals under VTU Research Grants Scheme 2021 Titled "Santulan: A device for Car safety, using Artificial Intelligence and IOT" on 26th March 2021.

- Dr. Rajakumar & Prof. Dr.Basavaraj has applied Research Project Proposals under VTU Research Grants Scheme 2021 Titled "IOT: Smart House using WSN" on 26th March 2021.

- Mr. Bharath D, Mr. Thilak Kumar Reddy, Mr. Ajit S, & Prof. Mallamma C G has Published paper in International Conference on Current Research Trends in Engineering, Science & Management(ICCRTESSM-2021) titled "Design of Communication System based on Hybrid Cryptography" Organized by Sambhram Institute of Technology, Supported by SaIT Students chapter of IEEE,IETE & ISTE, Bangalore, on 29th March 2021.

- Mr. Rupesh, Mr. Shashi Ranjan, Mr. Pranav Gopal & Prof. Mallamma C G has Published paper in International Conference on Current Research Trends in Engineering, Science & Management(ICCRTESSM-2021) titled "Prediction of Heart Disease Using Neural Networks" Organized by Sambhram Institute of Technology, Bangalore, on 29th March 2021.

- Prof. Anitha K and Prof. Tejashwini B P has Published paper in International Conference on Current Research Trends in Engineering, Science & Management(ICCRTESSM-2021) titled "A Survey on Agriculture and aquaponics based on multi-hop topology using long- range and self powered IOT devices " Organized by Sambhram Institute of Technology, Bangalore, on 29th March 2021.

- Ms. Deepa M, Ms. Chaitra S Patil, Ms. Bhavana M N, Ms. Chethana K,& Prof. Anitha K has Published paper in International Conference on Current Research Trends in Engineering, Science & Management(ICCRTESSM-2021) titled "Identification of Medicinal plants by Visual characteristics of Leaf" Organized by Sambhram Institute of Technology, Bangalore, on 29th March 2021.

- Ms. Tarannum, Ms. Yogapreetha M, Mr. Vinay M, & Mr. Uday Kumar V has Published paper in International Conference on Current Research Trends in Engineering, Science & Management(ICCRTESSM-2021) titled "A Review paper on Malicious Application Detection in Android using Machine Learning" Organized by Sambhram Institute of Technology, Bangalore, on 29th March 2021.

- Mr. Clinton G, Prof. Ramya J, & Prof. Margaret Mary T has Published paper in International Conference on Current Research Trends in Engineering, Science & Management(ICCRTESSM-2021) titled "Analysis paper on Cryptographic Techniques" Organized by Sambhram Institute of Technology, Bangalore, on 29th March 2021.

- Mr. Md. Tarique Hussain, Mr. Md. Shariq, Mr. Firaz Ahmed, & Prof. Ramya J has Published paper in International Conference on Current Research Trends in Engineering, Science & Management(ICCRTESSM-2021) titled "Crypto-currency Market Analysis" Organized by Sambhram Institute of Technology, Bangalore, on 29th March 2021.

- Prof. Ramya J & Prof. Earanna has Published paper in International Conference on Current Research Trends in Engineering, Science & Management(ICCRTESSM-2021) titled "Performance Evaluation of Health care Monitoring System using Cloud Server & IOT" Organized by Sambhram Institute of Technology, Bangalore, on 29th March 2021.

- Mr. Anurag Bhargav, Mr. Ashwini Kumar, Mr. Avinav Vishal, Mr. Deepak Pandey & Prof. Asha M L has Published paper in International Journal of Scientific Research in Engineering and Management titled "Student Performance Quantifier using Sentiment Analysis" volume 05 issue 2021 In recognition the publication of manuscript on 6th June 2021.

- Ms. Nandini R, Ms. Rakshitha, Ms. Shalini M, Ms. Smitha B P & Prof. Mallamma C G has Published paper in International Conference on Global Convergence in Technology, Entrepreneurship(ICGCP-2021) titled "Personalized online Grocery Basket Recommendation", on 16th July 2021.

- Mr. Vignesh K, Ms. Umme hani M, Mr. Yashwanth M M, Mr. Yogesh H K & Prof. Vani B has Published paper in International Conference on Global Convergence in Technology, Entrepreneurship(ICGCP-2021) titled "Assistance to Farmer for Seeding Ploughing based on IOT", Organized by Sapthagiri College of Engg. on 16th July 2021.

- Ms. Mohan Kumari K N, Ms. Meenakshi M, Ms. Meghana K, Ms. Pavithra U & Prof. Vani B has Published paper in International Conference on Global Convergence in Technology, Entrepreneurship(ICGCP-2021) titled "COVID-19 Future Forecasting using Supervised Machine Learning Models", Organized by Sapthagiri College of Engg. on 16th July 2021.

## 2. Top Recruiters:

- Infosys, Mind tree, Cognizant, Tech Mahindra, Netty Fish, Amazon, EVOSYS, TCS, Wipro, IBM, Sonata Software, No Broker, Sasken, Denave India Pvt. Ltd.

## 3. Number of Students placed:

A proud moment of CSE students who got placed in the below mentioned companies:

- HCL, 11 students are placed, 3.0 LPA.
- Mphasis., 1 students is placed, 3.0 LPA
- Cognizant, 7 students are placed, 4.5 LPA
- Hexaware Technologies, 1 student is placed, 3.5 LPA
- Accenture, 14 students are placed, 4.5 LPA.

- HP, 4 students are placed, 5.0 LPA.
- TCS, 4 students are placed, 8.0 LPA.
- MindTree, 3 student is placed, 4.0 LPA.
- Wipro, 2 students are placed, 3.6 LPA.
- Neosoft Technologies, 4 student is placed, 3.6 LPA.
- Fidelity Information Services, 2 student is placed, 5.0 LPA.
- PLM, 1 student is placed, 3.0 LPA.
- Microland, 15 student is placed, 2.4 LPA.
- Tech Mahendra, 1 student is placed, 4.25 LPA.
- Urbanclap Tech.India Pvt.Ltd, 1 student is placed, 3.0 LPA.
- eCloud R& D solutions, 1 student is placed, 3.0 LPA.
- Infosys, 1 student is placed, 3.6 LPA.
- Master Advise, 1 student is placed, 3.0 LPA.
- OitoLabs Technology, 1 student is placed, 4.5 LPA.
- DELL Technologies, 1 student is placed, 7.05 LPA.
- IBM, 1 student is placed, 4.25 LPA.
- Virtusa, 3 student is placed, 4.0 LPA.
- Nggawe Nirman Technology, 1 student is placed, 3.6 LPA.
- Zetwerk Manufacturing Business Pvt Ltd, 1 student is placed, 6.0 LPA.
- Maventic innovative solutions, 2 student is placed, 3.5 LPA.
- Altorum Ierem, 1 student is placed, 2.9 LPA.
- Pentagon Space, 15 student is placed, 2.4 LPA.

#### 4. Highest package:

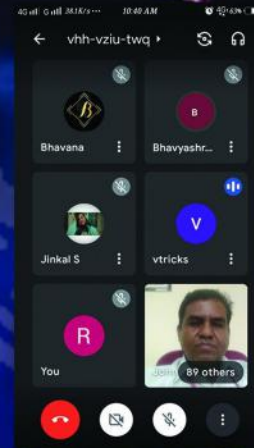
- 8.0 LPA from TCS

#### 5. FDP/Workshop/Conference attended by Faculties/Students:

- All the faculties have attended one week online FDP on "Outcome based Education and NBA Accreditation" organized by Dr.AIT, Bangalore from 22/02/2021 to 27/02/2021.
- All the faculties have attended one day online webinar on "Artificial Intelligence and uses in Telecom" Organized by Telecom Regulatory Authority of India (TRAI) On 17th March 2021.
- All the faculties have attended one day online webinar on "Smart Material and Structure Application, Research & Career Opportunities for Circuit & Non Circuit Branches" Organized by EWB-Student Chapter, Sambhram Institute of Technology in association with Engineers Without Borders(EWB) Bangalore Professional Chapter and National Design & Research Forum(NDRF). On 27th March 2021.
- Mr. Kaushik Das of 6th sem have Certified on the topic "Hactoberfest-2020 Challenge" conducted by Digital Ocean , Bangalore on 1st February 2021.
- Mr.Bhanu Pratap Singh Chauhan of 6th sem has Deployed "Personal Portfolio" Website on the internet on 16th February 2021.
- Mr.Bhanu Pratap Singh Chauhan of 6th sem has Developed more than six "Web Development Projects" and have successfully uploaded in GITHUB.
- Mr.Bhanu Pratap Singh Chauhan of 6th sem has Enrolled in "Andreis Web Development course" on UDEMY.
- Mr. Ayaan Ahmad of 6th sem has Completed online course on the topic "Python Programming " Conducted by The Great Learning , on 30th March 2021.
- Mr. Ayaan Ahmad of 6th sem has participated and successfully Completed online National Level Quiz on the topic "Python Programming " Conducted by SIGMA Institute of Engineering , on 4th April 2021.
- Mr. Bipin Kumar Mandal of 8th sem have Certified on the topic " Vital Registration Program" Conducted by Bideha Municipiliti Dhanusha-Nepal on 28th April 2021.
- Mr. Arun Shekar of 6th sem have Awarded the Certificate of Achievement for the successful completion on the topic "Build a Face, Recognition Application Using Python" Conducted by GUVI, on 25th April 2021.
- Mr. Arun Shekar of 6th sem have Awarded the Certificate for the successful completion on the topic "Android Development Fundamentals" Conducted by Cybrary, on 26th April 2021.
- Mr. Arun Shekar of 6th sem have Awarded the Certificate of Achievement for the successful completion on the topic "Intermediate SQL" Conducted by Cybrary, on 27th April 2021.

#### 6. Workshop/Tech talk/Seminar programs Conducted:

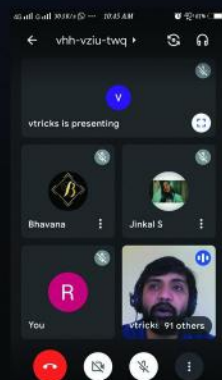
- Conducted One day "virtual Yoga" session on eve of International Yoga Day on 21st June-2021 by Mrs.Vidyashree D V, Yoga Instructor and Psychology Counselor.
- Conducted One day online webinar on "COVID-19 & the IT Sector" by Fr Mubarak N M and for 6th sem students on 1ST JULY-2021



- Conducted One day online webinar on "FULL STACK WEB DEVELOPEMENT" by Mr. Raghu Prasad Konandur, CEO, Kaushalya Technical Training and Consultancy Services for 6th sem students on 2nd JULY-2021.



- Conducted One day National Level online webinar on "TECHNOLOGIES IN 2021" In association with ISTE by Mr.Vinay M Haritsa, Data Science Engineer and Data Science Consultant I-WEAVE solutions, V-Tricks Technologies for 8th sem students on 9th JULY-2021.



- Conducted One day Virtual webinar on "Physical Fitness and Nutrition for students: Combating COVID 19 Pandemic" In association with ISTE by Dr.Chetana P Hadimani, MD,PGDHPE, Professor, Department of Biochemistry, KAHER'S J.M. Medical College, Belgaum. for 6th sem students on 30th JULY-2021.

#### **7. Students project proposal approved for sponsorship by KSCST:**

- Final year student project for the academic year 2020-21 title: "HEART DISEASE PREDICTION USING NEURAL NETWORK" has been selected for KSCST 44th series of student project programme:2020-21, with the reference number "44S\_BE\_3906", with the sponsored amount of Rs.2500. Under the guidance of Prof. Mallamma C G.

- Final year student project for the academic year 2020-21 title: "FOOD WASTAGE REDUCTION APPLICATION" has been selected for KSCST 44th series of student project programme:2020-21, with the reference number "44S\_BE\_3113", with the sponsored amount of Rs.5000. Under the guidance of Prof. Srikanth S P.

# ELECTRONICS AND COMMUNICATION ENGINEERING

## 1. Webinars Conducted from ECE Department:

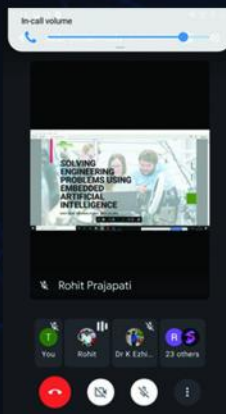
1. Conducted Essay writing competition on occasion of National science day on 1/2/21 in Association with IETE-SaIT student branch more than 15 college students are attended the competition.



2. Conducted National Science Day-2021 in association with IETE-SaIT and IEEE SIGHT student branch on 28/2/21.

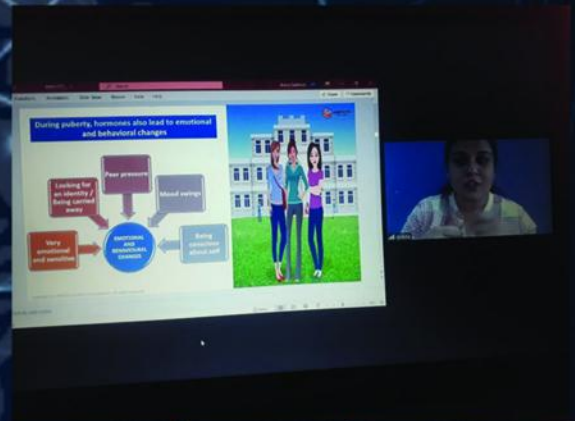


3. Webinar on "Solving Engineering Problems using Embedded Artificial Intelligence" on 5/3/21 in association DIGITOD.



4. Conducted TCS Tech bytes IT quiz on 8/3/21.

5. Conducted Talk on "menstrual Health and Hygiene Management" on occasion of international .



6. Conducted International women's day celebration on 8/3/21, all the branch lady faculties and girls students are attended the program.



7. Conducted quiz on women achievers empowerment and health on 8/3/21 in association with ISTE-SaIT student chapter.

8. Conducted webinar on "Smart material & Structure applications. Research & carrier Opportunities for Circuits and Non circuits branches" EWB -SaIT student chapter-in association with NDRF (National Design and Research Forum) on 27/3/21 Resource person Dr.R.Santhanam, Scientist DRDO,Hydrabad

9. Conducted International conference on "current Research Trends in engineering science, Management" (ICCRTESSM) on 29/3/21.



10. Conducted Orientation program on K-Tech centre of excellence in Aerospace and defence from 20/5/21 to 22/5/21, Resource person is Badhari narayan from Aeroapace.



11. Conducted workshop introductory webinar on virtual lab for all faculties by virtual nodal center-SaIT in association with NITK surathkal.



12. Conducted "prathira National level Project competition" for Final year students on 20/7/21, more than 15 college student batches are attended the compition awarded first and second, third prizes for the winners.



## 2. Anveshna Project Competition 2020-2021

The following groups are selected for Anveshna project competition.  
1. "Covid-19 Suraksha bus sanchar" by Chethan.R.G and group under the guidance of Prof Anupama got IV prize

2. "Detection of Defilement in milk and its products" by Priya.M and group under the guidance of Dr. Ezilarasan. Got III prize.

3) KSCST Activities:

### 3) KSCST Activities:

Student Project funded by KSCST

- 1) "Vision of hope the Quadcopter "by Bhuvanesh and group under the guidance of Dr.Rangaswamy

### 4) Eighth semester Students are Attended project competition-2021

at Global Institute of Technology, Bangalore two group prizes.

- a) Got I prize for Kevin Raj and group the project Title is "Cyberponics-An automated novel approach for vegetable farming" under the guidance of Prof. Sowndeswari.

- b) Got 1st Consolation Prize for Prasanth Kumar and group the project Title "Agriculture robot for cultivation of paddy and wheat crops" under the guidance of Dr.Ravishankar.C.V.

### 5. Webinars attended by the Faculty:

- 1) Dr. Ravishankar C.V HOD ECE Dept.

1. Completed all SaIT related work as an In charge principle
2. Elected as a "Member Advisory Board" for Yuva Innovators Challenge, KITES.

3. Attended Virtual(online) Faculty Development Program by ELEATION's ANSYS Basic To Professional Training Program : Self-learning Program.from January 17-20th 2021.

4. Attended webinar on "Awareness Webinar on Outcome Based Education & Accreditation for Engineering Colleges & Deemed to be Universities in Karnataka" on 16th February 2021.by VTU- e Learning centre, Mysore.

5. Given Session Talk at MVJ College of Engineering on 1/3/21.

6. Attended ITRS outreach program on 1/3/21

7. Given Talk webinar on "Develop an Entrepreneur within yourself "on 10/4/21 and 11/4/21 with EWB and NCU,BRSC.

8. Given Talk on national Science Day celebration at IETE Bangalore.

9. Conducted "International conference –ICCRITESM-2021 on 29/3/21.

10. Conducted World Telecommunication Day with IETE-Bangalore.

11. Attended 18th Annual East Africa Com-Showcasing positive impact of Tech to drive regions digital economy –on 11th & 12th May 2021.

12. Conducted Anokhi APP- Training session on 26/5/21.

13. Conducted "NO Tobacco day "celebration with IETE-Bangalore on 31/5/21.

14. Attended IBM-ICE Emerging technology and Industry domain Web session on 22 nd & 27th June 2021.

15. Attended 2nd Virtual DSCI National CoE's Security Investors Conference 2021 on June 17th-18th ,hosted by Data Security Council of India (DSCI) | A NASSCOM® Initiative.

16. Given two session Talks on "how to be a successful Entrepreneur on 7/7/21 & 9/7/21 for Innovation & Entrprnr. Week for college students "conducted by Yuva Incubator, India.

17. Attended TRAI –Consumer outreach program on 5G technologies-Its implementation & opportunities on 14-7-2.

18. Attended Webinar by Iskandar Global Innovation & Technology Exchange (Ignite) 2021 on 27 & 28th July 2021.

19. Attended Webinar Session IMC Studio, COAI & Nokia - 'Innovation in networks for a better tomorrow' on 24-7-2021.

20. Attended Global Drone Conference –Online on 20-7-2021.

21. Attended CL –Academia, RP Tech ,Keystone Global ,India Webinar series from June 30th ,July 1st & 2nd on –Industry perspective-Data Sciences, Computer vision & Conversational AI.

22. MOU related Meeting attended on 22-7-2021 with IBM-ICE & Datagami Technologies Pvt. Ltd..

23. Attended Technical Session Chair and Gave Valedictory Key note address on 9/7/2021-Fourth National Conference on Advanced Science & engineering at Sri Krishna Institute of Technology, Bangalore.

24. Attended as Technical Session Chair and Give session address on International Conference on "Global Convergence in Technology, Entrepreneurship, Computing and Value Engineering: Principles and Practices "(ICGCP—2021), 16th & 17th, July-2021.

- 2) Dr. Rangaswamy C

1. Attended 5 days FDP on OBS & NBA conducted AICTE Margadarshan from 22/3/21 to 26/3/21

2. Attended Webinar on "Solving Engineering Problems using Embedded Artificial Intelligence" on 5/3/21

- 3) Dr.Ezhilarasan K.

1. Attended 5 days FDP on OBS & NBA conducted AICTE Margadarshan from 8/3/21 to 12/3/21

2. Attended Webinar on "Solving Engineering Problems using Embedded Artificial Intelligence" on 5/3/21

- 4) Prof.S. Sowndeswari

1. Attended 5 days FDP on OBS & NBA conducted AICTE Margadarshan from 22 to 26th Feb. 21

2. Attended Webinar on "Solving Engineering Problems using Embedded Artificial Intelligence" on 5/3/21

- 5) Prof.Kumbhar Trupti

1. Attended Webinar on "Solving Engineering Problems using Embedded Artificial Intelligence" on 5/3/21

- 6) Prof. Anupama

1. Attended 5 days FDP on OBS & NBA conducted AICTE Margadarshan from 22 to 26th Feb. 21

- 2 Attended Webinar on "Solving Engineering Problems using Embedded Artificial Intelligence" on 5/3/21

## 7) Prof.Yoganandini A.P.

1. Attended 5 days FDP on OBS& UHV from 18 to 22th Jan 21
2. Attended Webinar on "Solving Engineering Problems using Embedded Artificial Intelligence" on 5/3/21.
3. Attended one Day Webinar on "Job Title Normalization using Bert Embedding and its Impact over job Recommendation" conducted on 30th of April 2021, by Department of Electronics and Communication Engineering, Dr. Ambedkar Institute of Technology, Bengaluru, and Karnataka, India.
3. conducted induction program for First year students from 14 and 15 th april

## 8) Prof.Anupama Hongal

1. Attended 5 days FDP on UHV from 18 to 22th Jan
2. Attended Webinar on "Solving Engineering Problems using Embedded Artificial Intelligence" on 5/3/21

## 9) Prof.Manjula G Hedge

1. Attended 5 days FDP on UHV from 18 to 22th Jan 21
2. Attended Webinar on "modelling uncertainty for image analysis" on 25/2/21 conducted at IEEE Bangalore section
3. Attended Webinar on "Solving Engineering Problems using Embedded Artificial Intelligence" on 5/3/21
4. Attended Webinar on "Ecological reconversion of cars of solar hybridization on 2/3/21.
5. Attended TRAI Webinar on Artificial Intelligent and uses in Telecom on 17/3/21.
6. Attended Webinar on "Detection of cyber grooming through use of behavioral biometrics" on 15/3/21.

## 10) Prof. Sudha J

1. Attended Webinar on "Solving Engineering Problems using Embedded Artificial Intelligence" on 5/3/21

## 11) Prof.Khamer Unnisa .H:

1. Attended Webinar on "Solving Engineering Problems using Embedded Artificial Intelligence" on 5/3/21

**6. IEEE Activities:**

1. IEEE student Branch Chapter –SaIT has organized the Webinar on "Solving Engineering problems using Embedded Artificial " on 5/3/21.
2. IEEE student Branch Chapter conducted webinar on project based learning using Protous on 29/4/21.

**7. ISTE Activities:**

1. Conducted quiz on women achievers empowerment and health on 8/3/21 in association with ISTE-SaIT student chapter.

**8. IETE Activities:**

1. IETE-SaIT Student chapter conducted "World Telecommunication Day" in Association IETE Bangalore on 17/5/21.
2. IETE-SaIT Student chapter conducted "NO Tobacco Day" on 31/5/21, Talk by Dr. Lalitha.
3. IETE-SaIT Student chapter conducted IEEE-Innovation competition on 3/7/21.

**9. Placement:**

The following students are placed from ECE Department.

1. Priya.M -Accenture Pvt Ltd company 4.5 lakhs package
2. Prasanth.K.S- Mind tree Pvt Ltd company 3.75 lakhs Package.
3. Neha Kumari- Accenture Pvt Ltd company 4.5 Lakhs Package .
4. Baibhav Padhay- TCS Pvt Ltd company 5 lakhs Package .
5. Namratha- HP Intern Pvt Ltd company 3.5 Lakhs Package .

**10. Research Work:**

The following Faculties are registered from ECE Department, status of the Research work.

- 1) Prof-Yoganandini.A.P (Open seminar completed)
- 3) Prof.- Kumbar Trupti (Comprehensive Viva completed)
- 4) Prof.-Sowndeswari.S(coursework completed)
- 5) Prof.-Manjula.G.Hegde.( coursework completed)
- 6) Prof.- Shilpa.C(coursework completed)

**11. Paper publications:**

1. Prof- Khamer Unnisa .H & Dr. Ravishankar.C.V. presented paper on "The integration of router module and simulation results in international conference "global convergence in Technology entrepreneurship, computing and value engineering" conducted at Sathagiri college of engineering Bangalore

# INFORMATION SCIENCE AND ENGINEERING

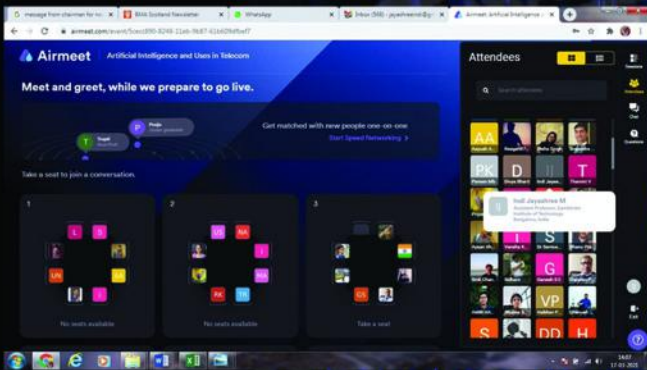
## Webinars Attended by the HOD, Faculties and their Achievements :

- 1). Mrs. Manjula Nebagiri Completed Comprehensive viva under the supervision of Dr. Latha P H on 3rd February 2021 on the title of the research work "A Novel Hybrid Approach for Load Balancing in Cloud Computing".
- 2). Prof. Indi Jayashree M attended the webinar on "Artificial Intelligence and uses in Telecom" organized by Telecom Regulatory Authority of India, Regional office, TRAI Bengaluru on 17-03-2021.

- 5). Prof. Indi Jayashree M and Dr. P H Latha Attended Women Wellness Talk Series on "Eco-Friendly Habits Practiced by Women" by Dr. Meenakshi Bharath, Gynaecologist at CART social Activist on 20th March 2021 organized by RVCE, Bengaluru

## Workshop/FDP/Tech Talk/Webinar Conducted

- 1). Conducted five days FDP on "Mobile Application Development" in association with ISTE, IEEE-Student Chapter and Acranton Technologies Pvt. Ltd. from 27th March 2021 to 1st April 2021.
- 2). Dr. Latha P H Organized a yoga session on the occasion of International Yoga Day on 21st June 2021 coordinated by Prof. Indi Jayashree M, Department of ISE and Prof. Asha M L, Department of CSE. The Yoga session was held by Mrs. Vidyashree D V, yoga Instructor and psychological Counsellor.



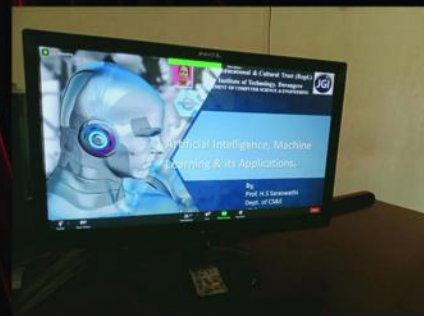
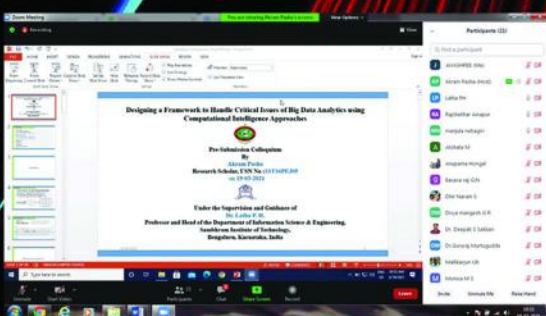
- 3) MOU was signed between Sambhram Institute of Technology and India Block chain Alliance/ TPCRA World on 22nd February 2021 in the witnesses of Dr. C V Ravishankar, HOD of E & C and Dr. P. H. Latha, HOD of ISE



- 4). Mrs. Indi Jayashree M Attended a virtual pre-submission colloquium on the research topic "Designing a framework to handle critical issues of Big Data Analytics using Computational Intelligence Approaches" on 19-03-2021 by a research scholar Akram Pasha under the guidance of Dr. P H Latha.



- 3). Organized a One-day virtual webinar on "AI and ML its Applications" on 1st July 2021 coordinated by Mrs. Indi Jayashree M, Assistant Professor, Dept. of ISE and Mrs. Asha M L, Assistant Professor, Dept. of CSE. Resources Persons were Mr. Srikanth Pujar and Mrs. Saraswathi H S from Jain Institute of Technology, Davangere.





4). Organized a One-day virtual webinar on "Embedded System Design with ARM" on 7th July 2021 coordinated by Mrs. Indi Jayashree M, Assistant Professor, Dept. of ISE Resources Person was Dr. Sunitha H D from R R Institute of Technology, Bengaluru.

#### Placement Details:

| Student Name  | Placed Company | Package |
|---------------|----------------|---------|
| Priyanka      | HCL            | 4.5 LPA |
| A P Pratyusha | Cognizant      | 4.5 LPA |
| Harshitha N   | Cognizant      | 4.5 LPA |
| Hima Bindu M  | Accenture      | 4.5 LPA |
| Bhavana H N   | TCS            | 3.3 LPA |
| R Sairajath   | FIS            | 5 LPA   |
| Sachin S M    | NTT            | 4.0 LPA |
| R Rekha       | Subex          | 4.5 LPA |

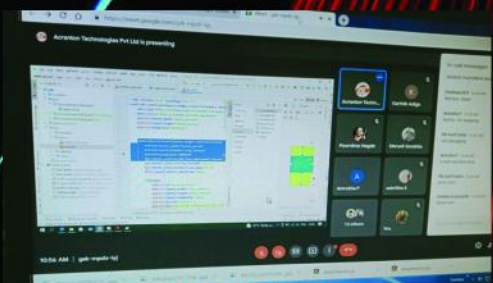
Around 28 Students have been got placed in various companies in this Pandemic Situation. Some of the Top Recruiters are



5). Organized a One-day virtual webinar on "IOT devices using Arduino & Raspberry pi" on 7th July 2021 coordinated by Mrs. Indi Jayashree M, Assistant Professor, Dept. of ISE. Resources Person was Mrs. Rakshitha K S, IT Manager, Acranton Technologies.



6). Organized a Two-days virtual Hands on for "Mobile Application Development" on 7th July 2021 coordinated by Mrs. Indi Jayashree M, Assistant Professor, Dept. of ISE. Resources Person was Mrs. Chandana L S, Managing Director, Acranton Technologies.



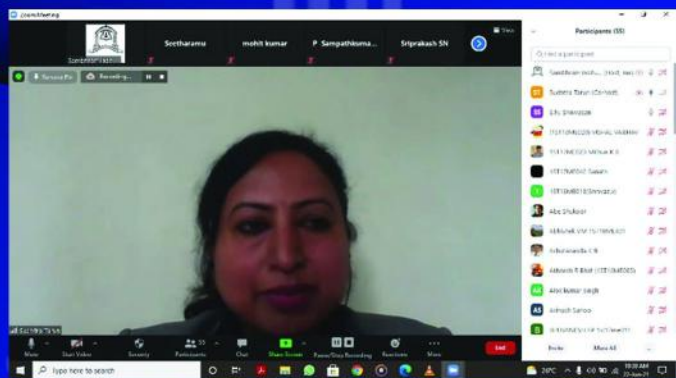
# MECHANICAL ENGINEERING

## GUEST LECTURES ORGANIZED FOR FACULTY & STUDENTS

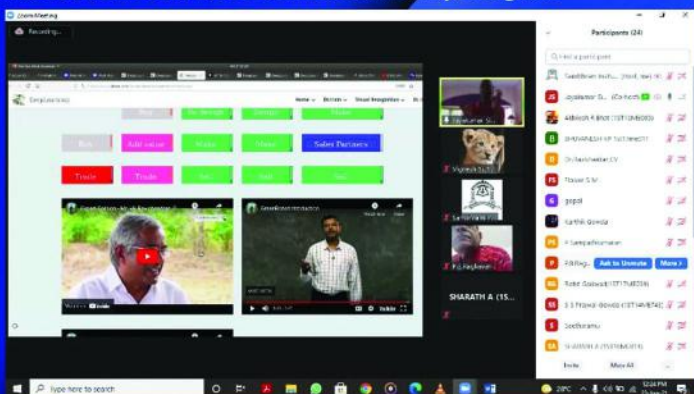
One-day virtual webinar on “Human resources and development, Machine and emerging job opportunities” on 21st June 2021 coordinated by Mrs. Padmini B V, & Mr. Pradeep L C Assistant Professor, Dept. of ME. Resource Person Dr. Ramausbramanian Chief administrator officer, IIM, Kashipur.



2). Organized a One-day virtual webinar on How to cope with pandemic blues, using your hand writing” on 22nd June 2021 coordinated by Mrs. Padmini B V, & Mr. Pradeep L C Assistant Professor, Dept. of ME. Resource Person S S Suchitra Tarun CEO, Indian institute of hand writing, Director, Vizlenz Forensic Lab, India. ISO-SEC, Switzerland & Nigeria.



3). Organized a One-day virtual webinar on “Technology and skill development, Business opportunities and associated start ups” on 23rd June 2021 coordinated by Mrs. Padmini B V, & Mr. Pradeep L C Assistant Professor, Dept. of ME. Resource Person Dr. Jaya kumar, Aero Engineer, HAL Bengaluru Complex, Ex, Research Fellow, KU Leuven University, Belgium



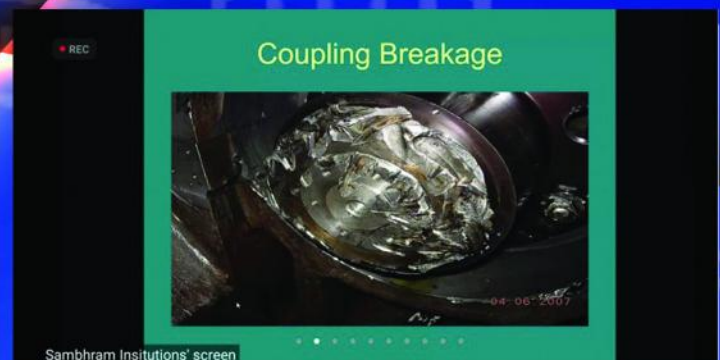
4) Organized a One-day virtual webinar on “General Foundry Practices” on 3rd July 2021 coordinated by Mrs. Padmini B V, & Mr. Pradeep L C Assistant Professor, Dept. of ME. Resource Person Mr. ER Badreesh, Vice president of the strategic business unit of ACE Designers Limited.



5) Detailed discussions with NDRF, Bengaluru, for holding an International Conference on “Additive Manufacturing in Aerospace and Defence (AMAD-2022)”. Dr. R Seetharamaiah, Professor and HOD, Dr. P. Sampathkumaran, Dr. R. Chandrashekar, and Dr. BB Manjunath, Professors, and Ms. Padmini BV, and Mr. Pradeep LC, Asstt. Professors took part. The Conference is to be held early next year (2022)

## WORKSHOP/FDP/TECH TALK/WEBINAR CONDUCTED

1). Conducted three days FDP on “Structural integrity involving Fatigue analysis in industrial applications” in association with ProSim Pvt. Ltd. from 29th March 2021 to 31st March 2021.



2). Conducted three days FDP on “Assessment and application of structures, case studies”. from 14th July 2021 to 16th July 2021.



3). Conducted three days FDP on “COVID 19 lockdown impact on entrepreneurship” from 14th July 2021 to 16th July 2021.



#### **PAPERS PUBLISHED:**

Dr. R Chandrashekar has published two papers in international journals.  
Title: Microstructure and Mechanical properties of aluminium cast alloy A356 reinforced with dual size B4c particle. In *Frattura ed Integrità strutturale*, 57- 2021, PP 127-137.

Title: Fabrication and Mechanical characteristics of dual sized B4c particles reinforced in A356 aluminium alloy. In *High technology letters*, Vol27, (issue 6) 291-300, (2021) ISSN: 1006-6748.

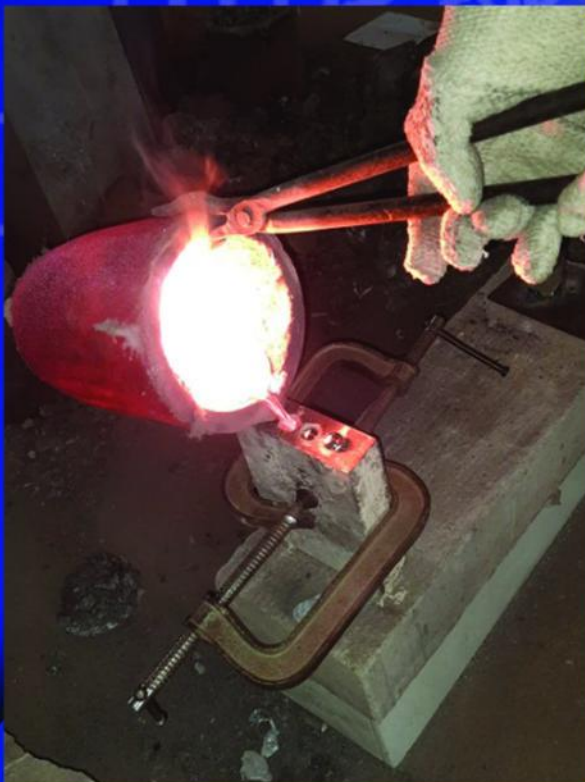
#### **R & D**

Two research scholars from mechanical R & D center Mrs. Padmini B V & Mr. Sudheer S Sajjan have submitted Ph.D thesis to VTU.

Dr. Manjunath B B have submitted a VTU project proposal titled “Studies on feasibility of using sugarcane trash and coco-peat blends as an alternative energy source”.

#### **CONSULTANCY**

The department of mechanical engineering taking consultancy in composite materials. The various engineering colleges utilized mechanical R&D facilities for their research work. The various colleges like Nagarjuna college of Engineering, Bengaluru Institute of Technology, Dr. Ambedkar Institute of Technology, & Ramaiah Institute of Technology. The department has earned a revenue of Rs 13,700/- from consultancy.



# CIVIL ENGINEERING

## Dr. U. B. Mallikarjuna

1. Attended 5 day online FDP on "UHV" organized by AICTE, New Delhi from March, 2021 to 12th March, 2021
2. Attended Webinar on Geophysics in "Groundwater Exploration and Aquifer Mapping in India" organized by Geological Society of India on 24th March, 2021
3. Attended Two-day International Workshop (virtual) on "Case Histories in Geotechnical and Geological Engineering-Theory to Practice" conducted by NITK Surathkal between 25th-26th March, 2021
4. Attended Webinar on 'Smart Material & Structure Application, Research & Career Opportunities for Circuit & non Circuit Branches" organized by EWB and NDRF on 27th March, 2021

## Mr. Vasantha, D.

1. Attended the webinar on "Ultra High Performance Concrete-optimization and Design" organized by Ultra Tech Cement LTD held on March 13th 2021.
2. Attended 05 days online FDP on "UHV" organized by AICTE, New Delhi from March, 2021 to 12th March, 2021
3. Participated in the 03days FDP Program on "Advancement in Civil Engineering" organized by Dept. of Civil Engineering, RRIT, Bangalore.
4. Attended one week STTP on "Applications of Neuro-Fuzzy Techniques in Civil Engineering" conducted by Dept. of Civil Engineering, MVSR Engineering College during the period 2nd August to 7th August 2021.
5. Participated in Training Program on "Failure of Bridge and its Rehabilitation and Retrofitting" was organized by NCE, B'lore in association with AICTE, New Delhi from 11th August to 20th August 2021.

## Priyanka Desai

1. Attended 5 day workshop on Faculty Development Program (FDP) - student induction on "UHV" from 8-12 March 2021(AICTE).
2. Attended National webinar on "Smart sensors for infrastructure monitoring" on 2nd June 2021 from Don Bosco Institute of Technology.
3. Attended webinar on "Stone column improved ground – Recent advances" on 31st May 2021 from Nagarjuna College of engineering and technology.
4. Attended International webinar series on "advancement of geotechnical engineering" on 24-30 May 2021 from Kumaraguru College of Technology.
5. Attended webinar on "advances in pre-engineered buildings" on 22 May 2021 from Presidency University.
6. Conducting AICTE Activity Point Program- 2021 for the current academic year 2020-2021 as coordinator.

## Monica, M.S.

1. One day workshop on "Progressive Innovations in Land Surveying", on 26.03.2021 by SRM Institute of Technology.
2. International workshop on "Case histories in Geotechnical and Geological Engineering-Theory to Practice", 25 th to 26 th March 2021, by Indian Geotechnical Society.

3. Webinar on "Civil Engineering Beyond Imagination" on 25 June 2021, by MIT School of Engineering, Pune.
4. 5 days FDP on "Cultural Practices in Transportation Engineering", 15 to 19 June 2021 J.Institute of Engineering & Technology, Mangalore
5. Webinar on "Challenges in Design & Construction of World's Tallest Bridge", 6 th May 2021, by SRM Institute of Technology
6. International Conference on Current Research Trends in Engineering, Science & Management, presented a paper titled "Influence of Air Voids & Compaction Level on Laboratory Performance of Bituminous Concrete Mixes" on 29.03.2021, organized by Sambhram Institute of Technology & Conference World
7. Published a paper titled "Influence of Air Voids & Compaction Level on Laboratory Performance of Bituminous Concrete Mixes" in International Journal of Advanced Technology in Engineering & Science (ISSN 2348-7550) Volume 09, Issue 03, March 2021.

## Akshatha A. Mulgund.

1. Published a paper on "An experimental investigation on the properties of foam concrete" in International Journal of Advanced Technology in Engineering and Science on 3rd March, 2021.
2. Participated in an International Workshop on "Case Histories in Geotechnical Engineering – Theory to practice" on 25th and 26th March 2021 by Surathkal Chapter.
3. Participated in the DST-SERB funded One-day workshop on "Progressive Innovations in Land Surveying" on 26th March 2021 conducted by S R M Institute of Science and Technology.
4. Participated in the webinar on "Special Concretes and its Application" on 29th May 2021 by Nagarjuna College of Engineering and Technology.
5. Participated in the webinar on "Lake Water Balance and Ground Water – Surface Water Interaction using Isotope Techniques" on 1st June 2021 by Nagarjuna College of Engineering and Technology.
6. Participated in the webinar on "Hassle – Free Research Article Writing using LaTeX" on 12th June 2021 by Sambhram Institute of Technology.

## Krishnamurthy, G.R.

1. Attended one week FDP on "Advanced Technology in Civil Engineering" organized by the Civil Engineering Department, Ghousia College of Engineering., Ramanagara between 15th June, 2021 to 19th June, 2021.

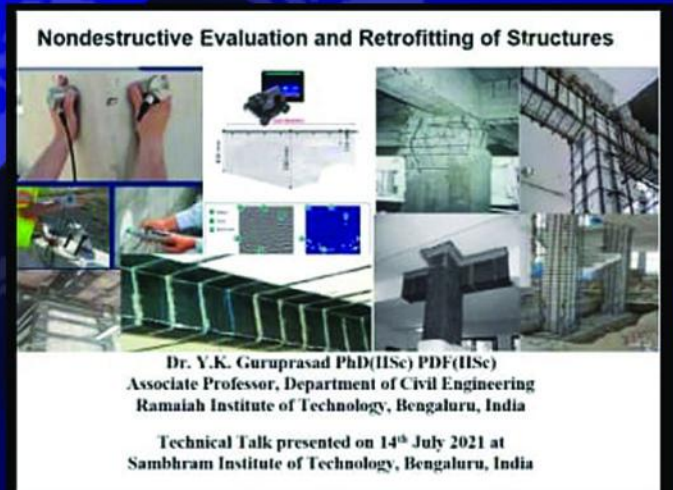
The department conducted 10days extensive survey camp near Hesaraghatta Lake as a part of their curriculum (VTU) for 6th semester civil engineering students from 19th to 27th July, 2021.

## Extensive Survey Camp conducted near Hesaragatta Lake, Bengaluru



Students conducting survey using Dumpy level and Total Station equipments

The Department organized three-day webinar on "Assessment and application structures: Case studies" jointly with Mechanical Engineering Department, SaIT, from 14th to 16th July, 2021. Dr. Guruprasad, Professor, CED., BMSIT., delivered a talk on "Non-destructive evaluation and retrofitting of Structures (14.07.2021)" and Dr. Beulah, Professor, CED., Christ University, Bengaluru on "Sustainable Bricks-the next generation Bricks (16.07.2021)". All about 110 participants attend the webinar.



| SL.NO | DATE OF THE EVENT           | NAME OF THE ACTIVITY  |
|-------|-----------------------------|---|
| 1     | 8-2-2021                    | Inauguration and Orientation Program for MBA students   |
| 2     | 23-3-2021                   | Industrial visit to HMT Machine tools   |
| 3     | 27-3-2021 and<br>8-4-2021   | Technical workshop on Advanced Excel where students were exposed to data analysis techniques using MS Excel for Statistical Components such as mean, median, mode, standard deviation, correlation, regression etc., This session was taken over by Prof. Srikanth.   |
| 4     | 7-4-2021<br>and<br>8-4-2021 | Technical Talk was arranged on Database Management System (DBMS) for structuring database for accounting where basics about DBMS and its applicability for management students were enlightened by Prof. Rajashekar.  |
| 5     | 8.6.2021                    | Webinar on stock markets by Sri Harsha of Shine Projects. He enlightened the students about various modes available for investment both traditional and modern portfolios. And also the benefit of investment. He also stressed on various courses available in this regard which can help students in uplifting their knowledge towards investment.  |
| 6     | 21.6.2021                   | Webinar on “Human Resources and Development, Machine and Emerging Job Opportunities.” Guest Speaker: Dr. Prof. Captain (IN). M Ramasubramanian, IIM, Kashipur. He enlightened students on emerging HRD activities and evolving job opportunities for freshers and other job seekers.  |
| 7     | 22.6.2021                   | Webinar on “How to cope with pandemic blues, using your own hand writings.” Guest Speaker : S.S.Suchitra Tarun, Master Graphologist and HOD, SOPAG (School of Profiling and Graphology). She emphasized on importance of handwriting in career development and accessing the student growth on the basis of their handwriting.  |
| 8     | 14.7.2021<br>to 16.7.2021   | 3 days National Webinar on “COVID 19 LOCKDOWN IMPACT ON ENTREPRENEURSHIP” in joint association with Mechanical Department. The guest speakers were; <ol style="list-style-type: none"> <li>1. Mr. Ramesh,<br/>Manager, Dept. of Operations,<br/>Hawe Hydraulics Pvt Ltd, Yeshwantpur, Bangalore 560022.</li> <li>2. Mr. Prasanth Rao,<br/>Associate Professor,<br/>New Shores International College,<br/>Basavanagudi, Bangalore 560043.</li> <li>3. Mr. Narendra G R<br/>CEO, Global Quest Technologies,<br/>Yelahanka, Bangalore 560065.</li> </ol> |
| 9     | 7.8.2021                    | Guest Talk on “Enhancing the Quality of Internship Opportunities.” By Dr. Ajatha Shatru Samal, HOD, Department of MBA, Sri. Venkateshwara College of Engineering, New Airport Road, Bangalore. He gave detailed insight on internship work which students need to carry out during the vacation after 2 <sup>nd</sup> semester MBA.   |