K S Institute of Technology, Bengaluru– 109

Department of Computer Science and Engineering

Report on "34th CSI Karnataka State Student Convention (Online)"

Dates of Convention: 22/12/2020 & 23/12/2020

Venue: KSIT, Bengaluru

Organized by: Department of CSE, K.S. Institute of Technology, Bengaluru, in Association with CSI-Bangalore Chapter (Region V).

Theme: Self Reliance and Automation

34th CSI KARNATAKA STATE STUDENT CONVENTION (Online) was hosted by Dept. of CSE, KSIT in collaboration with Computer Society of India on 22nd and 23rd of December, 2020 with the convention theme as **"Self Reliance and Automation".** 266 students from 21 colleges all over Karnataka participated in the online convention.

About the college

The Kammavari Sangham, a multi-activity non-profit oriented voluntary service organization, was established in the year 1952 with the sole objective of providing charitable service to community and society. The Sangham has diversified its activities since its establishment over five decades ago. With a firm belief that quality and meaningful education only can lay the strong foundation for bringing about economic and social changes to the lives of thousand, the Sangham went about establishing educational institutions, starting with K.S. Polytechnic in 1992. Enthused with this success of its foray into technical education, the Sangham moved forward by starting the K.S Institute of Technology (KSIT), is affiliated to Visvesvaraya Technological University and is approved by AICTE, New Delhi. KSIT was established in the year 1999. In the following years both these institutions have carved for themselves an enviable niche through academic excellence achieved in a very short span of time. By providing FREE hostel accommodation and scholarship to the deserving students in the community, it has furthered its Commitment to education. Institution offers Undergraduate programmes in Four disciplines namely: Artificial Intelligence and Machine Learning, Computer Science and Engineering, Electronics & Communication Engineering and Mechanical Engineering, and is accredited by Accredited by NAAC & IEI.Besides this the Institution also offers Post Graduate programmes in CSE,ME and E&C.

About CSI

The seed for the Computer Society of India (CSI) was first sown in the year 1965 with a handful of IT enthusiasts who were a computer group and felt the need to organize their activities. Today the CSI takes pride in being the largest and most professionally managed association of and for IT professionals of India. The purposes of the society are scientific and educational directed towards the advancements of theory and practice of computer science and IT.

Events:

1) General Quiz: A common know-it-all quiz. We have more general knowledge quiz questions and answers for you by category so you can test yourself.

2) Paper Presentation: A platform to showcase your technical knowledge at professional level.

3) Logo Designing: Unleash your mastery of designing a logo. Design a logo that you think will stand out among the crowd using simple yet effective tools such as PhotoShop , Corel Draw etc.

4) Pic Charades: Dumb-charades just got a little pic-kled!

5) Pic Story: Ever wanted to be an author? Well, this is your opportunity! Given pictures, all participants will be judged on how well they build a story around it and the actual narration of the story.

6) Math Quiz: Think you can answer our maths questions? Take the quiz and see how many points you can score and test your mathematical skills.

7) Tech Quiz: Put your knowledge about technology to test with our quiz in IOT, Networking, Machine Learning, Python and Android App Developement.

8) Sudoku: Think you're a Sudoku Master? Well, you might want to think again. Try our Sudoko variant and see if you can crack it.

9) Give me your idea: Telling us why you believe your idea may be interesting. Platform to showcase your innovative ideas.

10) Can you correct me: Can someone kindly correct me if I am wrong about my program? Correct the errors in C.

11) Codigo: Go and code, check your programming skills.

Domain for Paper Presentation:

Track1 :- Networking, Communication, Cloud Computing.

Track 2:- Image processing, Signal processing, Gaming.

Track 3:- Internet Of Things, Bigdata, Embedded.

Track 4:- Data Analytics, Artificial Intelligence, Machine Learning, Software Engineering.

Track 5:- Android & Web Technologies, Security Systems.

Paper Submission Details:

- Last date for paper submission: 15-12-2020
- Notification of acceptance: 18-12-2020
- Send one soft-copy of full length paper and one page abstract(word and pdf) to the given mail ID **ksitcsistudentconvention_2020@ksit.edu.in**
- Paper mailed to the above mail address should have appropriate **Track** in the subject.
- Soft-copy of the proceedings will be provided with ISBN No.
- Eligibility for paper submission: B.E, M.Tech, MCA students only.

For Paper format & other details visit www.ksit.ac.in

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Fig. 1: Convention Brochure

34th CSI Karnataka State Student Convention
(ONLINE)
Date: 22nd -23rd December, 2020
JOINTLY ORGANIZED BY
CSI - Bangalore Chapter &
DEPT. OF COMPUTER SCIENCE & ENGINEERING

K.S. Institute of Technology
No. 14, Raghuvanahalli, Bengaluru - 560109

Theme: SELF RELIANCE & AUTOMATION

PAPER PRESENTATION   PIC Charades!   GIVE ME YOUR IDEA
GENERAL QUIZ   PIC-STORY   CAN YOU CORRECT ME
SUDOKU   LOGO DESIGNING   ATTRACTIVE CASH PRIZES
MATH QUIZ   CODI GO

Platform used: Microsoft Teams
Registration Link: https://form.jotform.com/203341631101032

REGISTRATION FEE: Rs.100/- Includes any two events
Rs.50/- per additional event

Contact us @ ksitcsistudentconvention_2020@ksit.edu.in Roopeshkumar B.N :9538367685 Kushalkumar B.N: 9900533883

Fig. 2: Convention Poster

34th CSI Karnataka State Student Convention (Online)
Program schedule

Timings	Events
Day 1 (22-12-2020)	
Inauguration	
9.15 a.m. to 9.20 a.m.	Invocation Song
9.20 a.m. to 9.25 a.m.	Welcome speech
9.25 a.m. to 9.30 a.m.	About CSI
9.30 a.m. to 9.32 a.m.	Introduction to Chief Guest
9.32 a.m. to 9.37 a.m.	Address by Chief Guest
9.37 a.m. to 9.39 a.m.	Introduction to Guest of Honour
9.39a.m. to 9.44 a.m.	Address by Guest of Honour
9.44 a.m. to 9.47 a.m.	Release of CSI Proceedings
9.47 a.m. to 9.50 a.m.	Event Launch -Logo Design
9.50 a.m. to 9.55 a.m.	Address by Secretary
9.55 a.m. to 10.00 a.m.	Address by Treasurer
10.00 a.m. to 10.05 a.m.	Address by Principal & CEO
10.05 am to 10.15 a.m.	Cultural events
10.15 a.m. to 10.18 a.m.	Vote of Thanks
10.18 a.m. to 10.20 a.m	National Anthem
10.20 a.m. to 11.00 a.m	Key Note address on Big Data Analytics by Prof. MS Prasad Babu, Retired Prof. in Andhra University

EVENTS	
11.00 a.m. to 01.00 p.m.	Paper Presentation Track 01 *Networking, Communication And Cloud Computing*
11.00 a.m. to 01.00 p.m.	Paper Presentation Track 02 *Image Processing, Signal Processing and Gaming*
11.00 a.m. to 01.00 p.m.	Paper Presentation Track 03 *IOT, Big Data & Embedded*
11.00 a.m. to 01.00 p.m.	Paper Presentation Track 04 *Data Analytics AI,ML & SE*
11.00 a.m. to 01.00 p.m.	Paper Presentation Track 05 *Android Web Security Systems*
1.30 p.m. to 3.30 p.m.	CODIGO
3.45 p.m. to 4.15 p.m.	Sudoku
4.30 p.m. to 5.30 p.m.	Can You Correct Me
Day 2 (23-12-2020)	
09.00 a.m. to 10.00 a.m.	Pic Story
10.00 a.m. to 11.00 a.m.	Give Me Your Idea
11.00 a.m. to 12.00 p.m.	General Quiz
12.15 p.m. to 1.15 p.m.	Math Quiz
1.30 p.m. to 2.30 p.m.	Pic Charades
2.45 p.m. to 3.45 p.m.	Tech Quiz
04.00 p.m.	Valedictory
Valedictory	
4.00 p.m. to 4.02 p.m.	Invocation Song
4.02 p.m. to 4.06 p.m.	Welcome speech
4.06 p.m. to 4.10 p.m.	34th CSI convention report

4.10 p.m. to 4.12 p.m.	Introduction to Chief Guest
4.12 p.m. to 4.17 p.m.	Address by Chief Guest
4.17 p.m. to 4.19 p.m.	Introduction to Guest of Honour
4.19 p.m. to 4.24 p.m.	Address by Guest of Honour
4.24 p.m. to 4.44 p.m.	Announcements of Winners
4.44 p.m. to 4.46 p.m.	Address by Principal & CEO
4.46 p.m. to 4.49 p.m.	Vote of Thanks
4.49 p.m. to 5.00 p.m.	Naada Geethe

Day-1: 22/12/2020

The commencement of the convention was marked by the inaugural function on 22nd December 2020. Chief Guest was Prof. M. Surendra Prasad Babu, Regional Vice President, Region V, CSI and Guest of Honour was Dr. N. Nalini , Chairperson, CSI- Bangalore Chapter. Our Management Sri Y. Ramachandra Naidu, President, Kammavari Sangham, Sri. Venkatesh Naidu, Hon. Secretary, Sri D. Rukmangada, Treasurer, Kammavari Sangham, presided the function. Sri D. Rukmangada, Treasurer and Dr. K.V.A Balaji, Principal & CEO addressed the gathering.
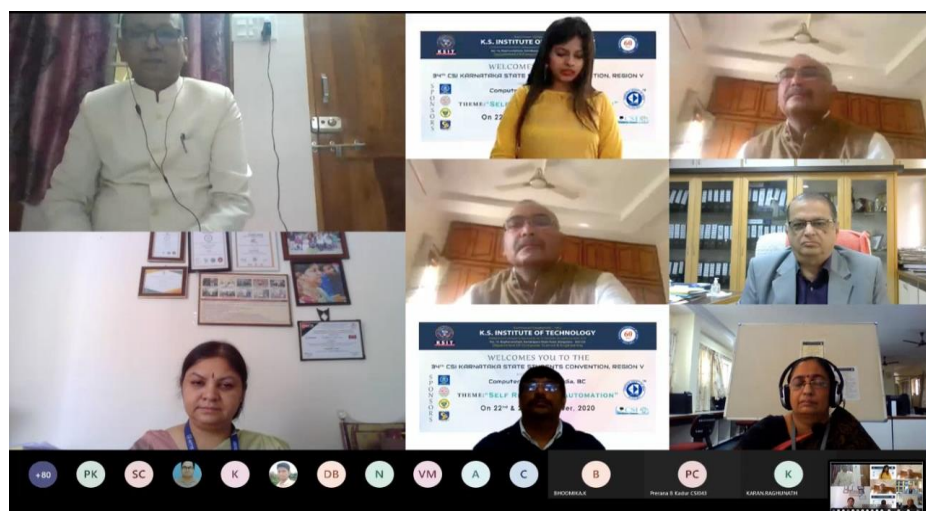
Fig. 3: Welcoming Guest during the Inaugural
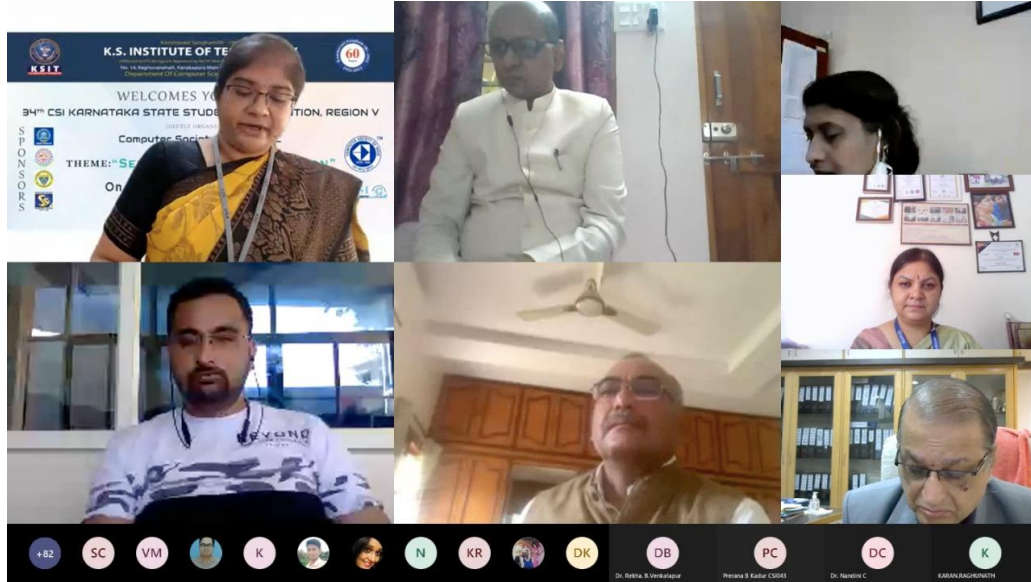
Fig 4: Welcome speech by Prof. Deepa

The Conference proceedings was released by Prof. Kumar during the Inaugural.

Fig. 5: Convention Proceedings
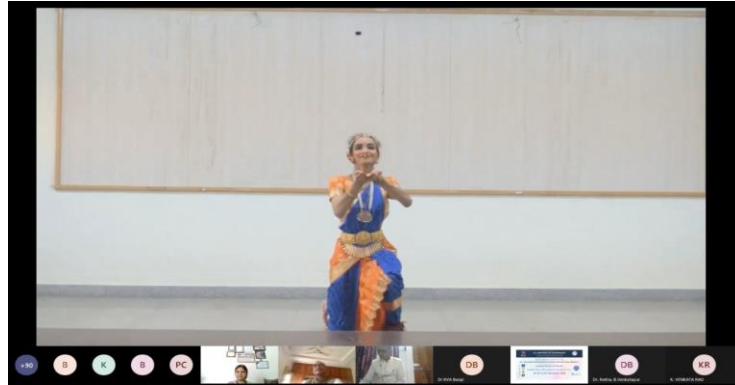
Fig. 6: Classical dance by Srikala

The blessings of almighty was invoked by classical song and the students performed Bharathanatyam, yakshagana during the inaugural.

Fig. 7: Yakshagana by Spurthi

The inaugural was followed by key note speech on Big Data Analytics by the Chief Guest Prof. M. Surendra Prasad Babu, Regional Vice President, Region V, CSI.

Fig. 8: Song by Sharanya
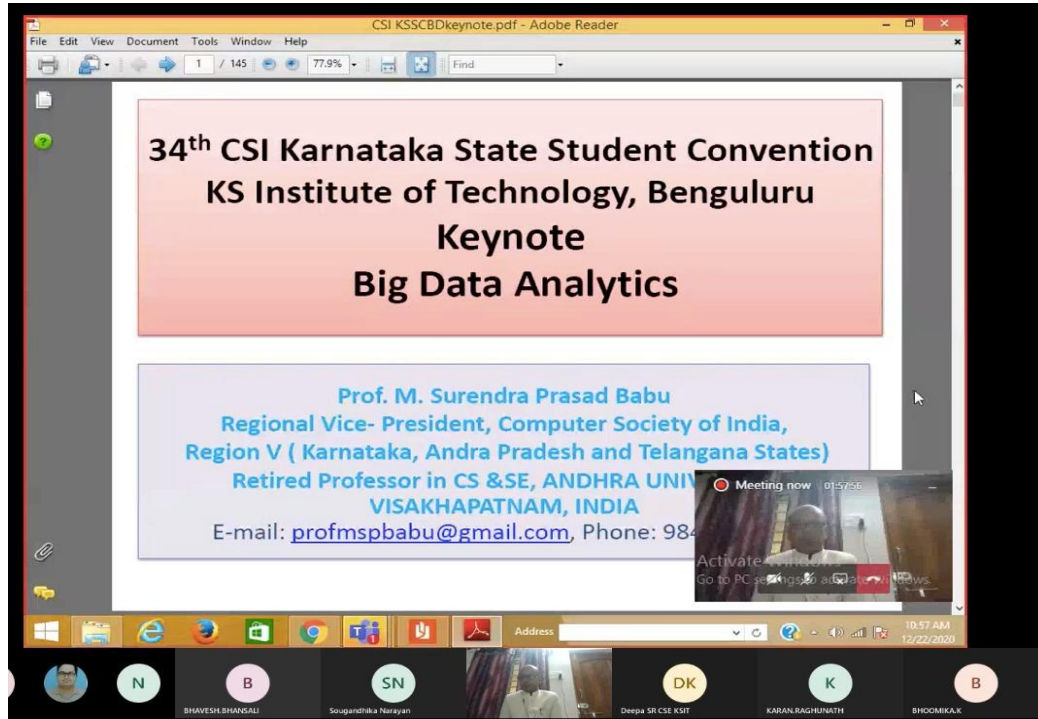
Fig. 9: Key note address on Big Data Analytics by the Chief Guest

After the Key note address, the paper presentation event was started parallel in 6 different tracks. The Session chairs from host institution and various other colleges evaluated the presentations. The events Codigo, Sudoku and Can you correct me were conducted after the paper presentation.

Table 1: Details of the events and judges

Events	Judges
Logo Designing	Pro. Kumar K
Sudoku	Pro. Sougandhika Narayan, Vijayalaxmi .M
Paper Presentation Track 01 *Networking, Communication And Cloud Computing*	Dr. Rekha B Venkatapur Dr. S Sathish Kumar
Paper Presentation Track 02 *Image Processing, Signal Processing and Gaming*	Dr. Chanda V Reddy Dr. Surekha Borra
Paper Presentation Track 03 *IOT, Big Data & Embedded*	Dr. P. N. Sudha Dr. Mohan K
Paper Presentation Track 04 (I) Paper Presentation Track 04 (II) *Data Analytics AI,ML & SE*	Dr. N Nalini Dr. Nandini C Dr. Ram P. Rustagi Dr. Joy Prabhakaran
Paper Presentation Track 05	Dr. Rudragoud S. Patil

Android Web Security Systems	Dr. Naveen N C
CODIGO	Dr. Ram P. Rustagi
	Dr. Joy Prabhakaran
Can You Correct Me	Prof. Harshavardhan J R

Day-2: 23/12/2020

Various events were conducted and were evaluated by the judges, based on the evaluation criteria.

Table 1: Details of the events and judges

Events	Judges
Give Me Your Idea	Prof. Kumar K
	Prof. Pradeep Kumar G H
Pic Story	Prof. Sougandhika Narayan
	Prof. Beena K
Pic Charades	Prof. Roopesh Kumar B N
General Quiz	Prof. Sanjoy Das
Math Quiz	Prof. Sanjoy Das
Tech Quiz	Prof. Kushal Kumar B N

The Chief Guest for the Valedictory on 23rd December 2020 was Mrs. Anitha Venkatesh, State Student Coordinator, CSI-Karnataka State. Guest of Honour Mr. Salman Abdul Moiz, Regional Student Coordinator, Region V, CSI. Sri D. Rukmangada, Treasurer, Kammavari Sangham, presided the function. Mrs. Anitha Venkatesh , Sri D. Rukmangada, Treasurer and Dr. K.V.A Balaji, Principal & CEO addressed the gathering.

Fig. 10: Address by Chief Guest Mrs. Anitha Venkatesh

The announcement of winners were made during the valedictory.

Kammavari Sangham(R) - 1 952
K.S. INSTITUTE OF TECHNOLOGY
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No. 14, Raghuvanahalli, Kanakapura Main Road, Bengaluru - 560109
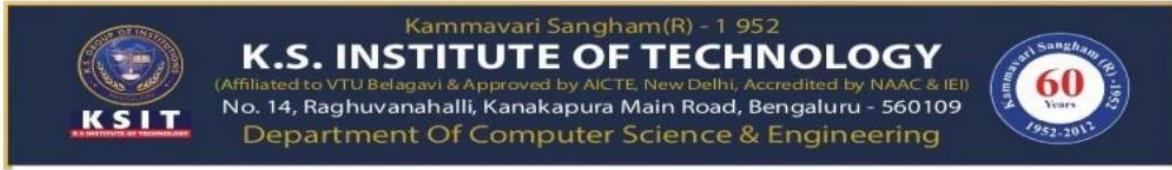**KSIT** Department Of Computer Science & Engineering

34th CSI Karnataka Student Convention (Online)
Theme : "Self Reliance & Automation"
Consolidated Winners and Runners

Sl. No	Event	Winner				Runner			
		Name	College	Paper ID	Paper Title	Name	College	Paper ID	Paper Title
1	Paper Presentation Track 1	Sharadhi A M / Prof. Snigdha Sen	Global Academy of Technology, Bengaluru	CSINCCPID002	Working with Docker: New Industry Need	Meghan Ghivari / Pragati Shetty	K.L.S. Gogte Institute of Technology, Belagavi	CSINCCPID010	5G communication in Cellular Vehicle-to-Everything (C-V2X)
2	Paper Presentation Track 2	Bhavesh Bhansali / Ganesh Maudghalya H G / Karan Raghunath / P Kishore / Prof. Vaneeta M	K. S. Institute of Technology, Bengaluru	CSIISGPID007	Survey on Document Resizing, Validation and Verification for Web API	Keerthi N / Meghana G R / Shriraksha S Kanago / Meghana H S / Prof. Vijayalakshmi Mekali	K. S. Institute of Technology, Bengaluru	CSIISGPID010	Fingervein Detection Using Image Processing
3	Paper Presentation Track 3	Nikita Kodkany / Prathamesh Koranne	K.L.S. Gogte Institute of Technology, Belagavi	CSIIBEPID008	ONtheGO: A SOLUTION TO FASTag	Harismitha S Pobbathi / Prerana G M / Suhruth S Rao / Lasya R / Dr. Priyanga P	Global Academy of Technology, Bengaluru	CSIIBEPID005	Study of IoT based Smart Fan
4	Paper Presentation Track 4 (I)	Shivani C K	R.N.S. Institute of Technology, Bengaluru	CSIAMSPID006	Stock Market Prediction Using Multiple Linear Regression	Nithyananda Punyashree / Dr. H R Shashidhara	R.N.S. Institute of Technology, Bengaluru	CSIAMSPID017	Movie Recommender Systems-Content Based and
5	Paper Presentation Track 4 (II)	Prajwal V / Prof. Malini M Patil	JSS Academy of Technical Education, Bengaluru	CSIAMSPID027	Data Analysis on E Commerce Reviews Using Machine Learning Models and Natural Language Processing	Deepika S H / Anusha A G / Divya Yashaswini Kanney / Priyanka Hanni / Prof. Kushal Kumar BN	K. S. Institute of Technology, Bengaluru	CSIAMSPID019	Virtual 3D Trial Room
6	Paper Presentation Track 5	Pooja R / Praveen A / Srushti A / Tejas C S	K. S. Institute of Technology, Bengaluru	CSIAWSPID007	Listen For Vision	Krithika Jagannath / Abhishek Gowda MV / Meghana G / Ashish K Amar	K. S. Institute of Technology, Bengaluru	CSIAWSPID011	Voice Based E-Prescription

Fig. 11: Winners of Paper Presentation

Kammavari Sangham(R) - 1952

K.S. INSTITUTE OF TECHNOLOGY

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No. 14, Raghuvanahalli, Kanakapura Main Road, Bengaluru - 560109

Department Of Computer Science & Engineering

34th CSI Karnataka Student Convention (Online)
Theme : "Self Reliance & Automation"
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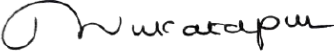| Sl. No.	Event	Winner		Runner	
		Name	College	Name	College
1	Can You Correct Me	Akshay R	K S Institute of Technology, Bengaluru	Ishika Naveen	Sai Vidya Institute of Technology
2	Codigo	Venkatesh G D	KLS Gogte Institute of Technology, Belagavi	Chennakeshava NT	K S Institute of Technology
3	General Quiz	Rachana Giliyal	K S Institute of Technology, Bengaluru	Raj Kumar E M	Dayananda Sagar academy of technology and management
4	Give Me Your Idea	Nachiketh N	Sai Vidya Institute of Technology, Bengaluru	Eshanya	Sai Vidya Institute of Technology
5	Logo Designing	Raksha S	K S Institute of Technology, Bengaluru	Nachiketh N	Sai Vidya Institute of Technology
6	Math Quiz	Jayasagar Y	Srinivas institute of technology	Khushi Dubey	Nitte Meenakshi institute of technology
7	Pic Charades	Ashish Amar	K S Institute of Technology, Bengaluru	Ganesh Maudghalya H G	K S Institute of Technology, Bengaluru
8	Pic Story	Aqsa Aqeel	K S Institute of Technology, Bengaluru	Laxmi Suresh Naik	KLS Gogte Institute of Technology, Belagavi
9	Sudoku	Anurag Sharma	RNS Instutute of technology, Bengaluru	Varshitha s	K S Institute of Technology, Bengaluru
10	Tech Quiz	Manoj Krishna U	Srinivas Institute of Technology	Sahil P Gaonkar	KLS Gogte Institute of Technology, Belagavi

Fig. 12: Winners of various events

Fig. 13: Announcement & display of Winner's certificate

Our Co-sponsors:

1. KLS Gogte Institute of Technology, Belgaum

2. Srinivas Institute of Technology, Mangalore

3. Dayananda Sagar Academy of Technology and Management, Bangalore

4. Nitte Meenakshi Institute of Technology, Bangalore

The convention provided an online platform for all the participants to showcase their talents.

HOD-CSE

Principal

Kammavari Sangham (R) - 1952
K.S. Group of Institutions
K S INSTITUTE OF TECHNOLOGY
#14,Raghuvanahalli, Kanakapura Main Road,Bengaluru-560062

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
REPORT ON WORKSHOP
"AWS CLOUD PRACTITIONER ESSENTIALS"

The Department of Computer Science and Engineering in association with CSI and ISTE Organized Two-day workshop on "AWS Cloud Practitioner Essentials" on 21st and 22nd July 2020.

The students of 8th semester, 6th semester, faculties of CSE department and faculties from various colleges, a total of 70 participants attended the workshop.

Speakers
1. Dr. Prakash, Principal, East Point College of Engineering & Technology, Bengaluru
2. Mrs. Shefali Arora, Asst. Prof. Dept. of ISE, East Point College of Engineering & Technology, Bengaluru
3. Mrs. Nandini Gowda, Asst. Prof. Dept. of ISE, East Point College of Engineering & Technology, Bengaluru

Objective :
Workshop is intended to bring awareness among the students about the Terminology and concepts related to the AWS platform, Hands on Session on the AWS Management Console, EC2 instance, AWS S3, AWS Identity and Access Management (IAM) and other major services provided by AWS

Fig. 1 Workshop Flyer

Table 1: Workshop Schedule

DAY 1	TIMING	Speaker	EVENT
21st July 2020 Tuesday **Hands on Session**	10.00-11.00 AM	Key Note Speaker Dr. Prakash S. Principal EPCET	Cloud Computing Fundamentals. AWS Global Infrastructure and Certification by
	11.30-1.00 PM	Mrs.Nandini Gowda P	Introduction to Compute Service EC2 ,VPC, Subnet, Internet Gateway, Route Table and Security Table
	1.00 -2.00 PM		**LUNCH**
	2.00 -4.00 PM	Mrs.Shefali Arora/ Mrs.Nandini Gowda P	Hands on Session on EC2, VPC
DAY 2	TIMING		EVENT
22nd July 2020 Wednesday **Hands on Session**	10.00-11.30AM	Mrs.Shefali Arora	Introduction to popular AWS Database Services RDS, Amazon Aurora, Dynamo Db and IAM Services.
	12.00-1.00 PM	Mrs.Nandini Gowda P	Introduction to Storage Services S3 and EBS.
	1.00 -2.00 PM		**LUNCH**
	2.00 -4.00 PM	Mrs.Nandini Gowda P/ Mrs. Shefali Arora	Hands on Session on S3,EBS

Platform: Google meet

Session Link: meet.google.com/jst-uyum-mdm

Highlights:

Day1 : 21-7-2020
Session 1: 10am to 1.00pm

The Session started with briefing about the workshop and welcoming the resource person. Dr. Prakash, Principal of EPCET gave insight about Cloud Computing Fundamentals, AWS Global Infrastructure and Certification.
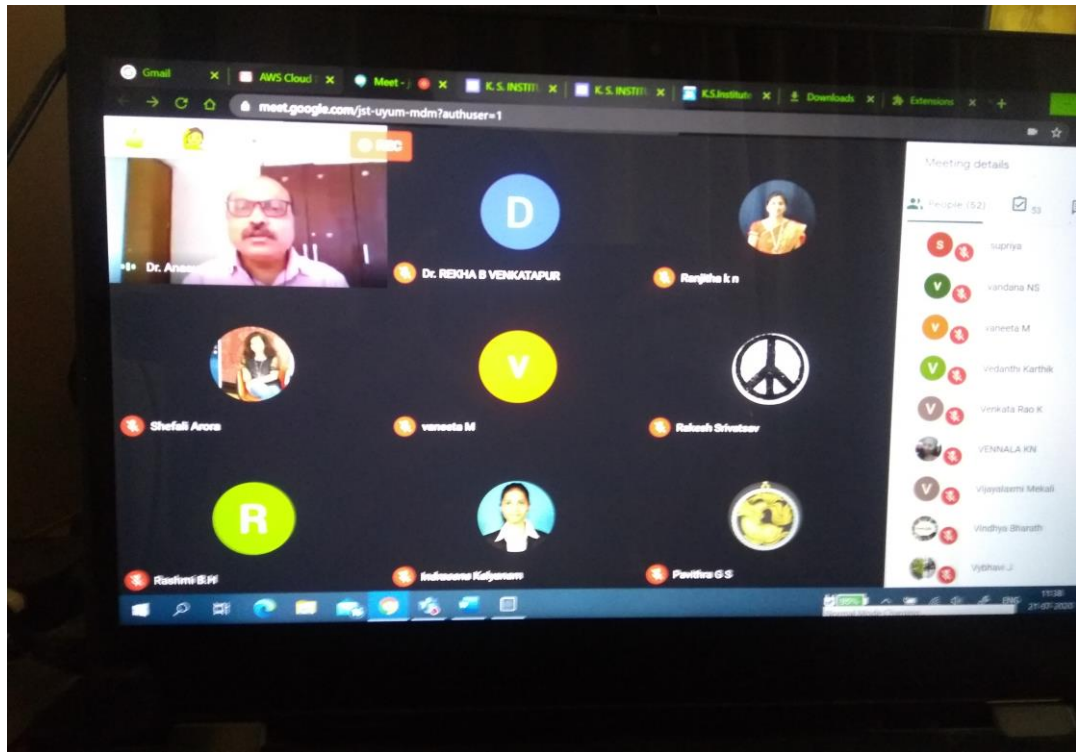
Fig. 2: Dr. Prakash addressing the participants

Mrs.Nandini Gowda and Mrs.Shefali Arora explained the students about Introduction to Compute Service EC2 ,VPC, Subnet, Internet Gateway, Route Table and Security Table
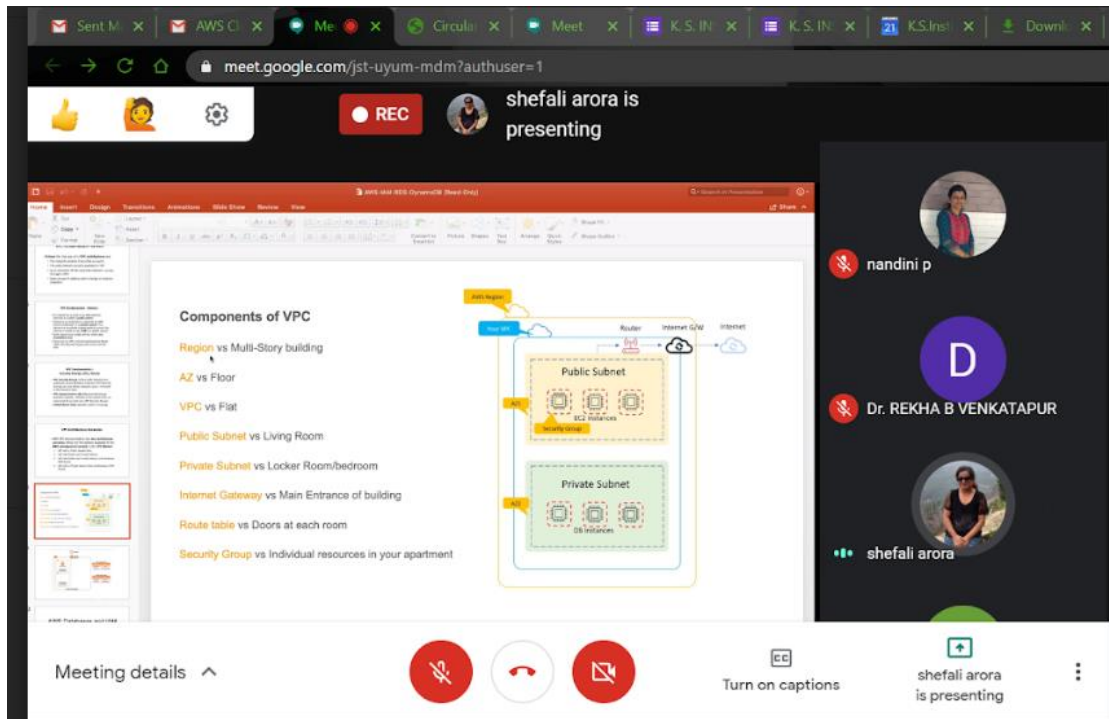

Fig. 3: Mrs. Shefali's session on VPC

Session 2: 2.00 pm to 4.00 pm

Mrs.Shefali Arora took Hands on Session on EC2 and VPC

Day 2: 22-7-2020

Session 3: 10.00 am to 1.00 pm

Mrs.Shefali Arora explained about Introduction to popular AWS Database Services RDS, Amazon Aurora, Dynamo Db and IAM Services.

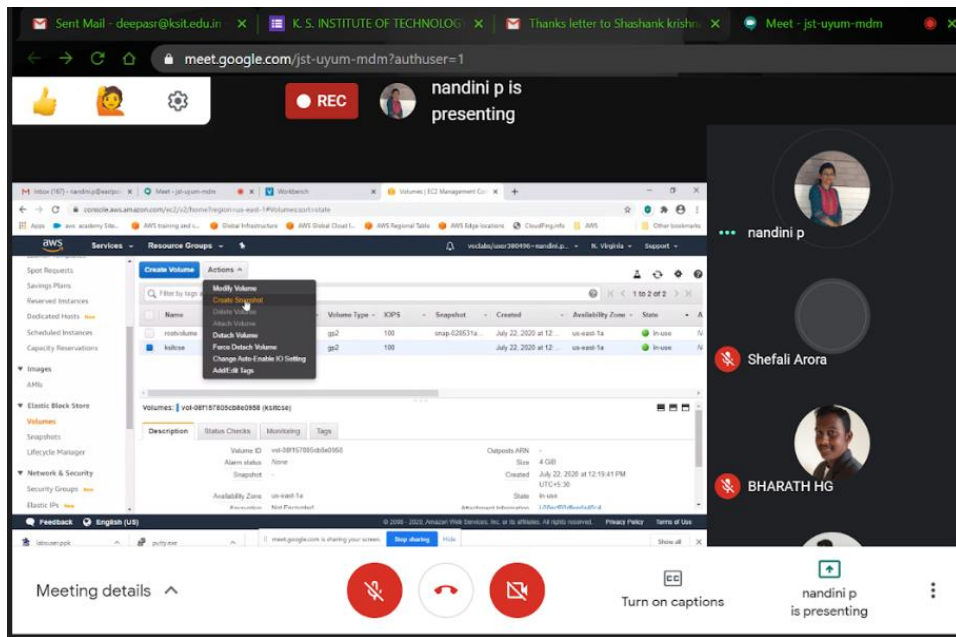Mrs.Nandini Gowda gave an insight about Introduction to Storage Services S3 and EBS.

Fig. 4: Hands-on session

Session 4: 2.00 pm to 3.30 pm
Mrs.Nandini Gowda and Mrs.Shefali Arora took Hands on Session on S3 and EBS

Outcome: The workshop was very much helpful to the students. They interacted with speakers and cleared their doubts. The Workshop brought awareness among the students about the Terminology and concepts related to the AWS platform, Hands on Session on the AWS Management Console, EC2 instance, AWS S3, AWS Identity and Access Management (IAM) and other major services provided by AWS

Coordinator

1. Mrs. Deepa S R

2. Mrs. Vaneeta.M

HOD

PRINCIPAL