

## AUG 2021



### MISSION

- M1: To enable learning in emerging technologies adopting innovative methods.
- M2: To enhance ability, cultivate collaboration to bring change in building students approach towards society.
- M3: To make available platform for harnessing entrepreneurial and leadership qualities.
- M4: To partner continuously with industry to inculcate practical knowledge.

### VISION

To be a potential quality source of expert computer engineers, addressing the requirements of industry and civic demands at large.

#### SRI G. DAYANAND, CHAIRMAN



The “COMPU NET - The Information Hub” newsletter of the department of Computer Science & Engineering is providing great space for the students and faculty to pen down their innovative ideas, imagination and perceptions to showcase creativity. So, I take the opportunity to congratulate the Department of CSE and its editorial team to successful release of this issue. I am sure that students and faculty will find the content of this edition very interesting and educating.

#### SRI G. D. MANOJ, EXECUTIVE DIRECTOR

I am indeed happy to share that department of Computer Science & Engineering is having its monthly newsletter “COMPU NET - The Information Hub”. I personally urge all faculty members and students of the department to make use of the platform to share and educate among themselves in publishing article pertaining to the emerging domain and interesting facts. I congratulate the team of Computer Science & Engineering editorial committee.



#### PRINCIPAL'S DESK



It gives me immense pleasure to note that, SCE has been publishing bi-annual newsletter and I am sure, this will provide an opportunity for the faculty and students to share their knowledge and beacon the information about various issues and activities that are being taking place in the department. I look forward for more activities and achievements for the department to march towards excellence in the future. I would like to thank all teaching, supporting staff and our beloved students for their active participation in publishing this magazine. My special compliments and congratulation to the editorial team of the department for their consistent effort in publishing this newsletter.

#### DR. M H ANNAIAH, VICE-PRINCIPAL



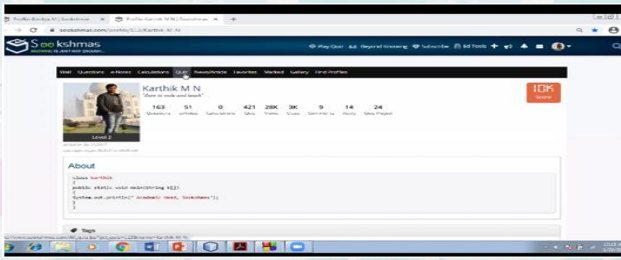
I am very happy and delighted to know that our college is bringing out the college newsletter. SCE is one of the leading premier engineering colleges in the country offering quality technical education to students thereby enabling them to become globally acceptable engineers in their domains. The newsletter provides a platform for both faculty and students to showcase their achievements and hidden talents. I congratulate our beloved principal and members of editorial board for bringing out this excellent and informative newsletter on time.

#### HOD'S DESK



The Computer Science & Engineering Department was established in the year 2001 with an intake of 60 students and the current intake is 120 students. The department also runs a Post-Graduate program in Computer Science & Engineering and an established Research Centre in 2013, affiliated to VTU Belagavi. The department aims to produce engineering graduates with adequate theoretical and practical knowledge in the area of computer science so as to make them capable of design, implementation, development and maintenance of high-quality software products meeting industry standards. I am very proud to express that our department is coming out with a new venture that is a newsletter to share various events and thoughts happened.

## SDP ON C PROGRAMMING AND DATA STRUCTURES



Department of Computer Science and Engineering organized a SDP on “C Programming and Data Structures” by CSE Faculties for 3rd Semester Students at Saphthagiri College of Engineering, Bangalore from 1st to 5th February 2021.

## WEBINAR ON “BENEFITS & CAREER OPPORTUNITIES OF GATE EXAMS



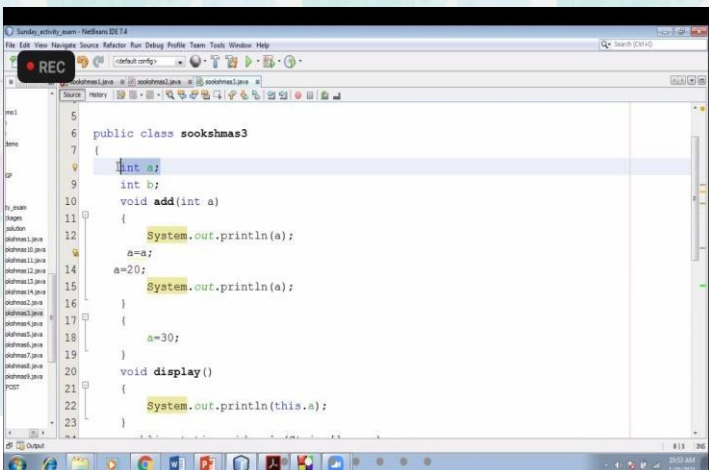
Department of Computer Science and Engineering organized a webinar on “Benefits & Career Opportunities of GATE Exams” by Mr Santhosh, TheGATEAcademy for 3<sup>rd</sup>,5<sup>th</sup> & 7<sup>th</sup> Semester Students at Saphthagiri College of Engineering, Bangalore on 13<sup>th</sup> March 2021.

## WEBINAR WAS CONDUCTED ON “AUTONOMOUS ROBOTS”



Department of Computer Science and Engineering organized Webinar was conducted on “Autonomous Robots” by Dr. Andrews for 7th Semester on 19/01/2021

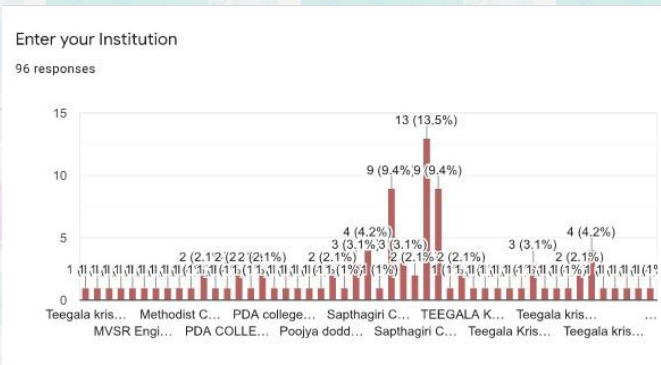
## WEBINAR WAS CONDUCTED ON “IMPORTANCE OF SELF- LEARNING AND TECHNICAL APTITUDE WITH SOOKSHMAS”



Department of Computer Science and Engineering organized Webinar was conducted on “Autonomous Robots” by Mr.Karthik and Ms.Rashmi for 7th Semester on 20/01/2021.



## AN E-QUIZ ON “PYTHON PROGRAMMING”



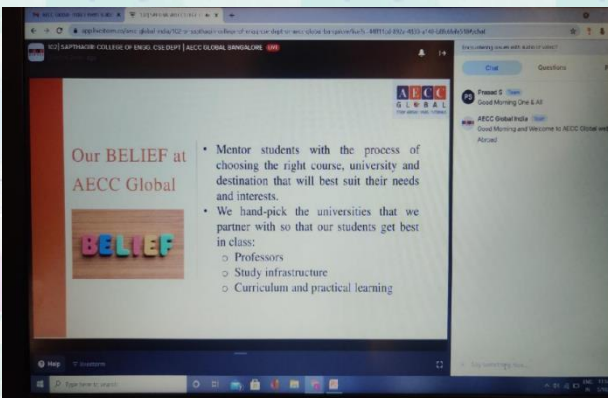
Department of Computer Science and Engineering organized a An E-Quiz on “Python Programming” on 20/01/2021 for all semester students

## WEBINAR ON “JAVA PROGRAMMING”



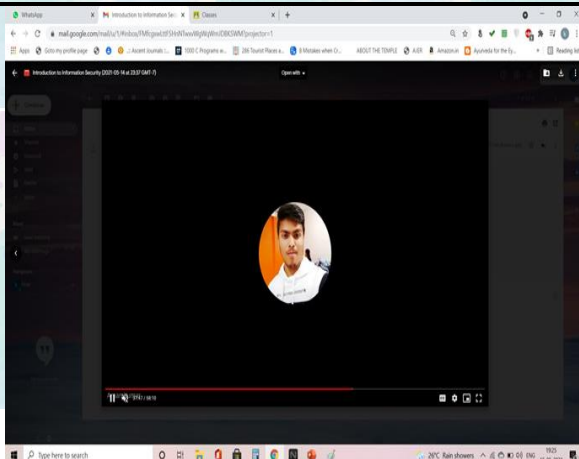
Department of Computer Science and Engineering organized a Webinar on “JAVA Programming” by by Mr MANISH KUMAR SINGH, ATS InfoTech Pvt Ltd for 3<sup>rd</sup> Semester Students on 27<sup>th</sup> April 2021.

## WEBINAR ON “CAREER PATHWAY AND STUDY ABROAD OPPORTUNITIES”



Department of Computer Science and Engineering organized a Webinar on “Career Pathway and Study Abroad Opportunities” by Mr. JOEL NORONHO Head of Operations- Karnataka & Kerala on 10<sup>th</sup> May 2021.

## WEBINAR ON “INTRODUCTION TO INFORMATION SECURITY”



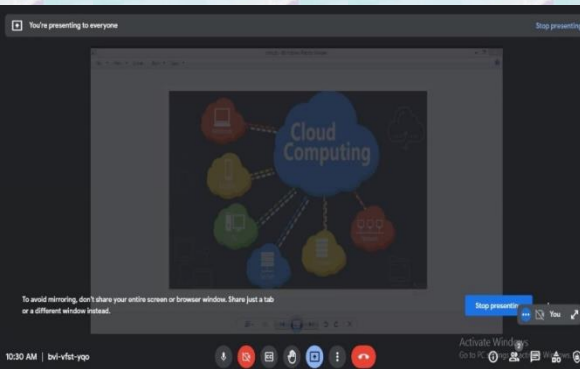
Department of Computer Science and Engineering organized a Webinar On “Introduction to Information Security” by Mr. Druvadeep K Compliance Leader, IBM ISL on 25/05/2021.

## WEBINAR ON “All about Gate | Jobs & Higher Education Opportunities”



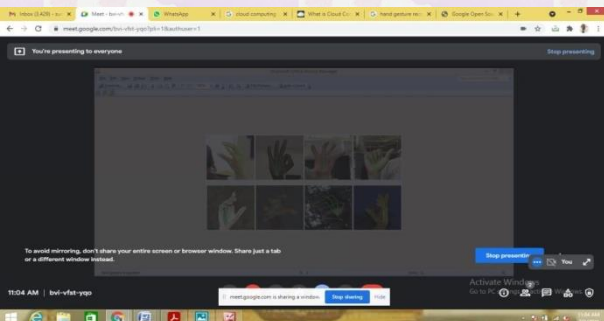
Department of Computer Science and Engineering organized a Webinar on “All about Gate | Jobs & Higher Education Opportunities” on 19-05-2021.

## WEBINAR ON “NEW HORIZONS OF IT”



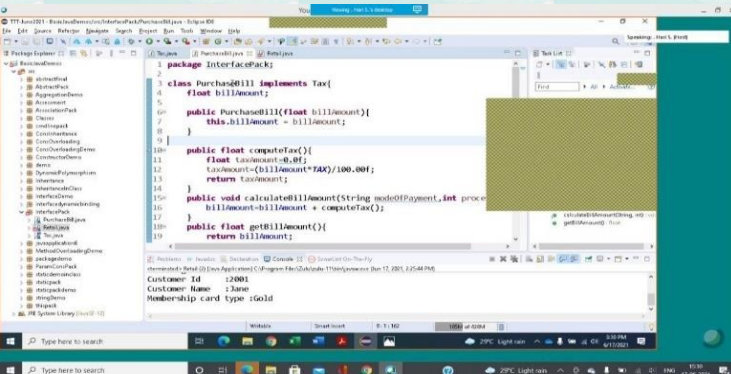
Department of Computer Science and Engineering organized a Webinar on “New horizons of IT” by Infosys campus connect on 09-06-2021.

## WEBINAR ON “Hand Gesture Recognition”



Department of Computer Science and Engineering organized a Webinar on “Hand Gesture Recognition” on 08-06-2021.

## WEBINAR ON “JAVA PROGRAMMING”



Department of Computer Science and Engineering organized a Webinar on “JAVA Programming” by Infosys campus connect from 16-06-2021 to 18/06/2021.



## WEBINAR ON “DevOps- Introduction and brief Overview”



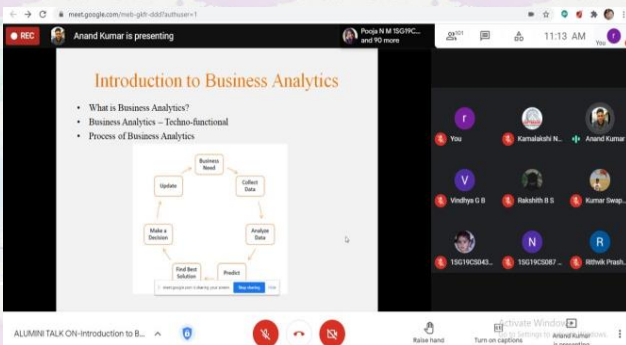
Department of Computer Science and Engineering organized a Webinar on “DevOps- Introduction and brief Overview” by MR. NANJESH SHIVALINGAIAH on 17-06-2021.

## ALUMNI TALKS



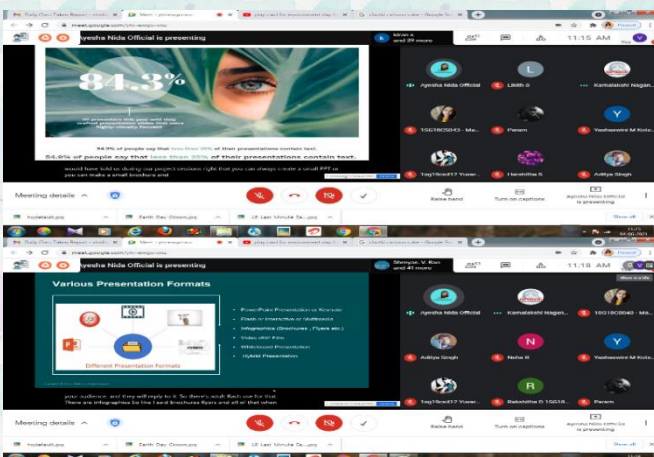
Department of Computer Science and Engineering organized an Alumni Talk on “A QUICK START TO MACHINE LEARNING WITH PYTHON” by Mr. R VENKAT , senior data scientist, publicis sapient on 08/05/2021 for 6<sup>th</sup> & 8<sup>th</sup> semester students. Alumni Coordinators: Prof. VINDHYA G B, Prof. RASHMI H C.

## MR.R Venkat addressing CSE students



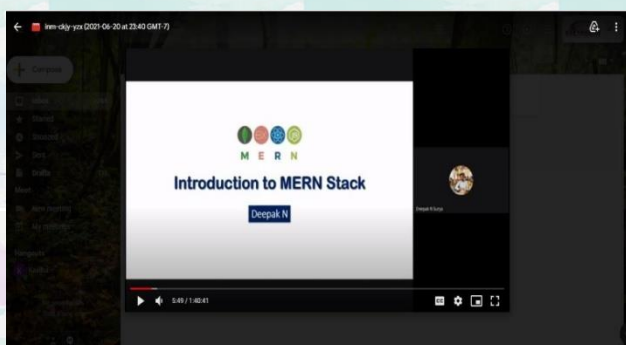
Department of Computer Science and Engineering organized an Alumni Talk on “INTRODUCTION TO BUSINESS ANALYTICS AND SOFT SKILL DEVELOPMENT” by Mr.Karthik, Inventory Analyst for Students of 6<sup>th</sup> &8<sup>th</sup> semester on 25/05/2021. Alumni Coordinators: Prof. VINDHYA G B, Prof. RASHMI

## Mr. Karthik Addressing CSE students



Department of Computer Science and Engineering organized an Alumni Talk on “How to present oneself during interview session” by Nidha Ateeq for Students of 6<sup>th</sup> & 8<sup>th</sup> semester on 04/06/2021.

## Nidha Ateeq addressing CSE student



Department of Computer Science and Engineering organized an Alumni Talk on “INTRODUCTION TO MERN STACK” by DEEPAK Software Developer @AGUA WIRELESS SYSTEM for Students of 6<sup>th</sup> & 8<sup>th</sup> semester on 21/06/2021.

## **WORKSHOPS/FDP ATTENDED BY THE FACULTIES**

1.	DR.KAMALAKSHI NAGANNA SHORT TERM TRAINING PROGRAMME ON GREEN IOT FOR SMART ENVIRONMENT ORGANIZED BY DEPARTMENT OF CS&E OF PANIMALAR INSTITUTE OF TECHNOLOGY FROM 15TH to 20TH MARCH 2021.
2.	DR.KAMALAKSHI NAGANNA PARTICIPATED IN 6 DAYS FDP ON DATA ANALYTICS AND MACHINE LEARNING TECHNIQUES ORGANISED BY DEPARTMENT OF IS&E ,SVCE, BANGALORE FROM 26 <sup>TH</sup> APRIL TO 1 <sup>ST</sup> MAY 2021.
3.	PRAVEEN KUMAR PARTICIPATED IN 6 DAYS FDP ON ACADEMIA INDUSTRY INTERACTION ORGANISED BY REVA UNIVERSITY FROM 8 <sup>TH</sup> TO 13 <sup>TH</sup> MARCH 2021.
4.	CHAITHRA PARTICIPATED IN 6 DAYS FDP ON ACADEMIA INDUSTRY INTERACTION ORGANISED BY REVA UNIVERSITY FROM 8 <sup>TH</sup> TO 13 <sup>TH</sup> MARCH 2021.
5.	CHAITHRA PARTICIPATED IN 6 DAYS FDP ON iot AND APPLICATIONS FROM 22ND TO 27TH FEBRUARY 2021 AT SCE,BENGALURU.
6.	LATHA A PARTICIPATED IN 6 DAYS FDP ON iot AND APPLICATIONS FROM 22ND TO 27TH FEBRUARY 2021 AT SCE,BENGALURU.
7.	LATHA A PARTICIPATED IN 6 DAYS FDP ON DATA ANALYTICS AND MACHINE LEARNING TECHNIQUES ORGANISED BY DEPARTMENT OF IS&E ,SVCE, BANGALORE FROM 26 <sup>TH</sup> APRIL TO 1 <sup>ST</sup> MAY 2021.
8.	NANDA M B PARTICIPATED IN 6 DAYS FDP ON ACADEMIA INDUSTRY INTERACTION ORGANISED BY REVA UNIVERSITY FROM 8 <sup>TH</sup> TO 13 <sup>TH</sup> MARCH 2021
9.	SHASHIRAKHA G PARTICIPATED IN 6 DAYS FDP ON iot AND APPLICATIONS FROM 22ND TO 27TH FEBRUARY 2021 AT SCE,BENGALURU.
10.	VINDHYA G B ATTENDED THREE DAYS NATIONAL LEVEL FACULTY DEVELOPMENT PROGRAM ON “MOBILE DATA APPLICATION” FROM 22ND MARCH - 24TH MARCH 2020 ORGANIZED BY DAYANAND SAGAR COLLEGE OF ENGINEERING, IN ASSOCIATION WITH VTU AND CSI BANGALORE CHAPTER.
11.	PRAKRUTHI C PARTICIPATED IN 6 DAYS FDP ON iot AND APPLICATIONS FROM 22ND TO 27TH FEBRUARY 2021 AT SCE,BENGALURU.
12.	SURIYA PRAKASH J PARTICIPATED IN 6 DAYS FDP ON iot AND APPLICATIONS FROM 22ND TO 27TH FEBRUARY 2021 AT SCE,BENGALURU.
13.	ANITHA RAO ATTENDED THREE DAYS NATIONAL LEVEL FACULTY DEVELOPMENT PROGRAM ON “MOBILE DATA APPLICATION” FROM 22ND MARCH - 24TH MARCH 2020 ORGANIZED BY DAYANAND SAGAR COLLEGE OF ENGINEERING, IN ASSOCIATION WITH VTU AND CSI BANGALORE CHAPTER.
14.	ANITHA RAO PARTICIPATED IN 6 DAYS FDP ON iot AND APPLICATIONS FROM 22ND TO 27TH FEBRUARY 2021 AT SCE, BENGALURU.



15.	PROF. S SURESH KUMAR PARTICIPATED IN 3 DAY FDP ON “ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING” ORGANISED BY MVJ, BENGALURU FROM 18 <sup>TH</sup> TO 22ND JANUARY 2021.
16.	PROF. S SURESH KUMAR PARTICIPATED IN 5 DAYS FDP ON “HUMAN CENTER COMPUTING” ORGANISED BY CMRIT, BENGALURU FROM 1 <sup>ST</sup> TO 5 <sup>TH</sup> FEBRUARY 2021.
17.	SHANKAR RANA PARTICIPATED IN 6 DAYS FDP ON ACADEMIA INDUSTRY INTERACTION ORGANISED BY REVA UNIVERSITY FROM 8 <sup>TH</sup> TO 13 <sup>TH</sup> MARCH 2021.
18.	SHANKAR RANA PARTICIPATED IN 6 DAYS FDP ON RESEARCH METHODOLOGY FROM 18TH TO 23RD JANUARY 2021 AT REVA UNIVERSITY, BENGALURU.
19.	SUNITHA B J PARTICIPATED IN 6 DAYS FDP ON DATA MINING FROM 17TH TO 23RD FEBRUARY 2021 AT REVA UNIVERSITY, BENGALURU.
20.	MANASA K N PARTICIPATED IN 6 DAYS FDP ON DATA MINING FROM 17TH TO 23RD FEBRUARY 2021 AT REVA UNIVERSITY, BENGALURU.
21.	KIRAN S PARTICIPATED IN 6 DAYS FDP ON RESEARCH METHODOLOGY FROM 18TH TO 23RD JANUARY 2021 AT REVA UNIVERSITY, BENGALURU.
22.	KIRAN S PARTICIPATED IN 5 DAYS FDP ON "HUMAN CENTER COMPUTING" FROM 1ST TO 5TH JANUARY 2021, ORGANISED BY CMRIT, BENGALURU.

## **PUBLICATIONS**

1	Shailaja D S,Kamalakshi Naganna, "AI Assisted Potential Health Risk Prediction using Machine Learning" , International Journal of Innovative Research in Science, Engineering and Technology, Volume 10 Issue 7, July 2021
2	Sharan and , ““Krishi Mithra- An IoT and Machine Learning Based Mobile Application For Farmers” in International conference on Global Convergence in Technology, Entrepreneurship, Computing and Value Engineering: Principles and Practices held on 16-17th July 2021.
3	Pooja K R , Kamalakshi Naganna "Face Mask Detection And Public Monitoring. ” in International conference on Global Convergence in Technology, Entrepreneurship, Computing and Value Engineering: Principles and Practices held on 16-17th July 2021.
4	Diyashree G , Kamalakshi Naganna “Design of an Adaptive Clustering Mechanism for Large Datasets on social media Comments ” in International conference on Global Convergence in Technology, Entrepreneurship, Computing and Value Engineering: Principles and Practices held on 16-17th July 2021.
5	Praveen Kumar K V, ”Secure Energy Efficient Geographical Opportunistic Routing for WSN ” GIS SCIENCE JOURNAL, Vol 1, Issue 1, 2021 - SCOPUS Indexed
6	Praeen Kumar K V, “A Comprehensive on Spider with Fuzzy Decision Text-To-SQL Model”, IJIRCCE Journal , Vol 9, Issue 7 July 2021.
7	Praveen Kumar K V”, “Survey on Comprehensive Fuzzy Decision Text to SQL ” GIS Science Journal, Vol 8, Issue 5, 2021
8	Bharani B.R, Dr. Gururaj Murtugudde,“Hybrid Feature Selection with Parallel Multi-Class Support Vector Machine for Land Use Classification”, International Journal of Intelligent Engineering and Systems,2021(Scopus Indexed, Q3 journal)
9	Bharani B.R, Dr. Gururaj Murtugudde,"Efficient Technique for Tagging and Archiving the Data Sets and Computation of Performance for Remote Sensing Data using Decision Tree.", Journal of Huazhong University of Science and Technology, Volume 50, Issue 04, April- 2021(Scopus Index)

10	Yerriswamy T, Dr. Gururaj Murtugudde “An Optimized Evolutionary Approach for Network-Based Anomaly Intrusion Detection System”, Journal of Huazhong University of Science and Technology, Volume 50, Issue 04, April- 2021(Scopus Indexed)
11	Mrs.Chaithra"Arduino Based Obstacle Avoiding Robot Using HC-SR04 Ultrasonic Sensor”, at ICGCP-2021 International Conference organized by Sapthagiri College of Engineering, Bengaluru
12	Chaithra, Dr.G.M. Lingaraju and Dr.S. Jagannatha,Automatic Web Page Classification System with Improved Accuracy,Pages: 225-242 DOI: 10.14704/WEB/V18I2/WEB18318,Received March 19, 2021; Accepted July 17, 2021,ISSN: 1735-188X
13	Sara Khatoon, “Comparative Study of Predicting Thyroid Disorder Using Machine Learning Techniques” in International conference on Global Convergence in Technology, Entrepreneurship, Computing and Value Engineering: Principles and Practices held on 16-17th July 2021.
14	Shankar Rana, Bird Image Retrival and Recognition Using a Deep Learnin Platform Prsented in the International Conference Organized by Sapthagiri College of Engineering, Bangalore, Held on 16-17th July, 2021.
15	Madhushree, "WASTE MANAGEMENT SYSTEM USING IOT" in international conference on " global convergence in technology, entepreneurship, computing and value engineering: principles and practices" held on 16th and 17th july 2021 at sapthagiri college of engineering
16	Madhushree, "PHISING URL DETECTION USING ML" in international conference on " global convergence in technology, entepreneurship, computing and value engineering: principles and practices" held on 16th and 17th july 2021 at sapthagiri college of engineering
17	Kavitha G, "CNN based Traffic sign Recognition System using OpenCV", in IRJET, Volume 38 Issue-7, June-2021, IMPACT FACTOR-7.529
18	Kavitha G, " Movie Recommendation System using Twitter Sentiment Analysis", in SCE, ICGCP-2021,ISBN-979-85-27243-61-1
19	Shashi Rekha G, "Automated Motorcyclist Helmet Rule Violation Detection" in international conference on " global convergence in technology, entepreneurship, computing and value engineering: principles and practices" held on 16th and 17th july 2021 at sapthagiri college of engineering
20	Shashi Rekha G, "Credit Card Fraud Detection" in international conference on " global convergence in technology, entepreneurship, computing and value engineering: principles and practices" held on 16th and 17th july 2021 at sapthagiri college of engineering
21	Chaithra N C, Deepflakes using Cyclegan presented in International Conference on "Global and Value Engineering :Principles and Practices" (ICGCP-2021)
22	Chaithra N C,Identification of Medical Plants using CNN Classifier presented in International Conference on "Global and Value Engineering :Principles and Practices" (ICGCP-2021)
23	Vindhya G B, MI AND DI TECHNIQUES FOR WATER RESOURCE MANAGEMENT (International Conference on "Global and Value Engineering :Principles and Practices" (ICGCP-2021)
24	Vindhya G B, Identification of Medical Plants using CNN Classifier presented in International Conference on "Global and Value Engineering :Principles and Practices" (ICGCP-2021)
25	Anitha Rao ,An efficient secure cloud storage scheme presented in ICGCP-2021
26	Anitha Rao, Gesture controlled video player using deep learning presented in ICGCP-2021

**Chief Editor : Dr. Kamalakshi Naganna**

**Sub Editor : Mrs. Madhushree**

**: Ms.Hemalatha K**

**Student : Likith(7<sup>th</sup> sem)**

**Members : Dhruthi(7<sup>th</sup> sem)**