



Janatha Education Society®

**VIVEKANANDA INSTITUTE OF TECHNOLOGY**

(AFFILIATED TO VTU BELAGAVI, APPROVED BY AICTE NEW DELHI AND RECOGNISED BY GOVT. OF KARNATAKA)  
GUDIMAVU, KUMBALAGODU POST, KENGERI HOBLI, BENGALURU – 74



## Department of Computer Science and Engineering

### CSE TIMES

News Letter: Volume 3, Issue No. 2 July–December 2020

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Assistant Professor,  
Dept. of Computer Science &  
Engg. VKIT, Bengaluru

#### STUDENT CO-ORDINATOR

Mr. Prajwal S  
5<sup>th</sup> sem, CSE,  
VKIT, Bengaluru.



Vivekananda Institute of technology pioneers the Department of Computer Science and Engineering in the year 1997 with the sanctioned intake of 90 students. The department has well equipped laboratories and well qualified dynamic faculty members. The department aims to achieve quality in education and excellence in knowledge, problem solving to meet the changing need of the society

#### VISION

Computer Science and Engineering saturates all modern activities in modern academia, government and industry and its role will continue to grow. The department illustrate the dedication of the university to scholarship, public service and the successors of our country.

#### MISSION

- Provide quality education to meet the need of society.
- Provide a learning ambience to enhance innovation and team spirit.
- Provide acquaintance of latest tools and technology.
- Provide research-based projects/activities in the evolving areas of computer science

#### OBJECTIVES

- To prepare graduates to practice Computer science/ Technology in a broad range of industries.
- To prepare interested graduates to pursue Post graduate education In Computer Science related fields or other professional degrees.
- To prepare graduates to contribute to their profession and society.

## OUT COMES

**Design/Development of Solution:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal & environmental considerations

**Conduct Investigations of Complex Problems:** Use research based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions

**Engineering Knowledge:** Apply The Knowledge Of Mathematics, Science, Engineering Fundamentals & An Engineering Specialization To The Solution Of Complex Engineering Problems

**Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations

**The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice

**Problem Analysis:** Identify, Formulate, Review Research Literature, And Analyse Complex Engineering Problems Reaching Substantiated Conclusions Using First Principles Of Mathematics, Natural Sciences, And Engineering Sciences

**Communication:** An effectively on complex engineering activities with the engineering community and with society, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions

## PROGRAM SPECIFIC OUTCOMES

- ✦ Graduates will possess the ability to think logically and have capacity to understand technical problems and to design optimal solutions for a successful career in industry, academia and research.
- ✦ Graduates will possess an urge to learn continuously and to be responsive to the demands of the progressive industrial world by carrying out researches in frontier areas of computer science and engineering.
- ✦ Graduates will have foundation in mathematical, scientific and computer science and engineering fundamentals necessary to formulate, analyse and solve engineering problems.
- ✦ Graduates will have the potential to apply their expertise and current technologies across multiple disciplines to solve real world challenges and research issues
- ✦ Graduates will have the ability to work as a team and will be able to promote the design and implementation of products and services with an understanding of its impact on economic, environmental, ethical, and societal considerations through their strong interpersonal skills, leadership quality and entrepreneurial skills.

## GOOD PRACTICE OF THE DEPARTMENT

- Mentoring system for academic, carrier and personal guidance.
- Keep informed about their wards regularity/Irregularity to parents.
- Preparing students with right soft skills henceforth-building confidence in them to face interviews and competitive exams

## SHORT TERM GOALS

Familiarize students with current technological trends and breakthroughs in computer science, such as machine learning.

Encourage students to participate in national and international events in the field. Expand current capabilities of research center and laboratories

To Place teaching / tutorial material of each subject on the internet to enable students to browse at their own place of learning.

To conduct faculty development programmers regularly for skill upgradation.

To conduct short-term course for technicians to widen their knowledge base and deepen their understanding of the latest trends and developments in field of Computer Science and Engineering.

## LONG TERM GOALS

➤ Transform the department and its students into a multidisciplinary stream where students can collaborate with other departments for research.

➤ Encourage students to take up entrepreneurship in the field.

➤ Widen the scope of the faculty by helping them pursue cross-discipline research topics like robotics and machine learning.

➤ To establish and strengthen Industry-Institute interaction and be industry solution providers.

## HEAD OF THE DEPARTMENT



Dr. Vidya A BE (CSE), ME (CSE), Ph.D. (CSE), FIE

*Email id: vidya.csehod.vkit@gmail.com*

*Mobile: +919986011084*



Dr. Vidya A has 19years of teaching and 6 years of research experience. She received her Ph. D in Computer Science and Engineering from JNTUH, Hyderabad. M.E in Computer Science and Engineering from University Visvesvaraya College of Engineering, Bangalore University, B.E in Computer Science and Engineering from Bangalore University. She has published research papers in International Conferences and refereed International Journals. She has also received best presentation award for her research paper.

She is the reviewer for few Journals. Her name is listed in Marquis Who's Who in Science and Engineering from 2011 till date. She is the Life Member for ISTE, IAENG and CSI. She is a Fellow of Institute of Engineers. Her research interest includes Data mining, Bioinformatics, Pattern Recognition and Image Processing. She is the Member of Board of Examiners for Computer Science and Engineering (Postgraduate Studies), Bangalore University, Bangalore 2010 to till date. She is also member of Board of Examiners for Information Science and Engineering, Dr. AIT (Undergraduate Studies), Autonomous Institution Affiliated to VTU, Bangalore.



## FACULTY LIST

Faculty Name	Qualification	Designation
Dr. VIDYA A	B.E., M.E, Ph. D	Professor & HOD
Mrs. VANAIAKSHI P	B.E., M.TECH (Ph. D)	Associate Professor
Mrs. CHANDRAMMA	B.E., M.TECH (Ph. D)	Associate Professor
Mrs. NIBEDITA P	B.E., M.TECH (Ph. D)	Assistant Professor
Mrs. SUNANDA H G	B.E., M.TECH	Assistant Professor
Mr. LAKSHMIKANTHA G C	B.E., M.TECH	Assistant Professor
Mrs. LAKSHMI K	B.E., M.TECH	Assistant Professor
Mr. LOKANNA K	B.E., M.TECH (Ph. D)	Assistant Professor
Mrs. VIJAYALAKSHMI B	B.E., M.TECH	Assistant Professor
Mr. DINESH S D	B.E., M.TECH	Assistant Professor
Ms. POORVITHA H R	B.E., M.TECH	Assistant Professor
Mrs. PAVITHRA H C	B.E., M.TECH	Assistant Professor
Mrs. SHRUTHI B GOWDA	B.E., M.TECH	Assistant Professor

## NON-TEACHING STAFF

Faculty Name	Qualification	Designation
Mr. SURESH K	Diploma, B.E.	Programmer
Mrs. SWETHA P	Diploma, (BCA)	Instructor
Mr. VENKATESH B R	B.E	Instructor

## LABORATORIES

The Department is provided with four well-equipped Laboratories with 170 Computers.

- Design and Analysis of Algorithm
- Database Application Lab
- Computer Graphics and Visualization Lab
- System Software and Operating System
- Web Technology Lab
- Machine Learning Lab
- Computer Programming Lab
- Project Lab
- Analog and Digital Electronics Lab





Virtual Orientation program was conducted for 3<sup>rd</sup>, 5<sup>th</sup> and 7<sup>th</sup> semester students of Computer science and engineering at the beginning of ODD semester held on 01-Sep-2020. The aim of this orientation session was to provide information about course, subjects, laboratories and guidelines regarding Internship, Industrial visit, Project work, Placement activities etc. Faculties interacted with the students on various aspects involved in smooth transition to engineering studies, branches in computer science engineering and interaction. The respective class teachers conducted orientation program for III, V and VII semester students.

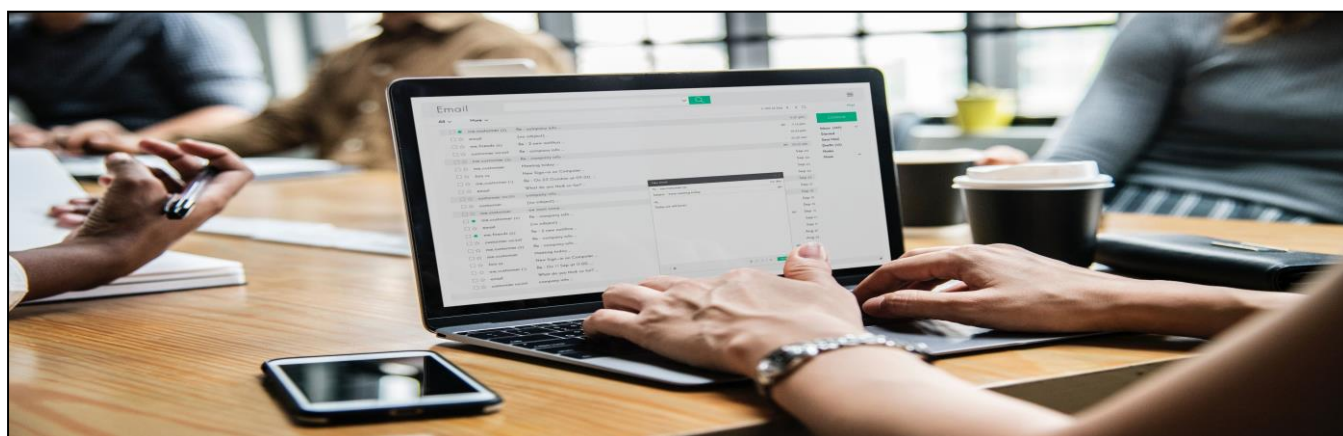
1. Prof. Sunanda H G and Prof. Lakshmikantha G C– III Semester
2. Prof. Pavithra H C and Prof. Lakshmi K – V Semester
3. Prof. Vanajakshi and Prof. Dinesh S D- VII Semester.

## EVENTS

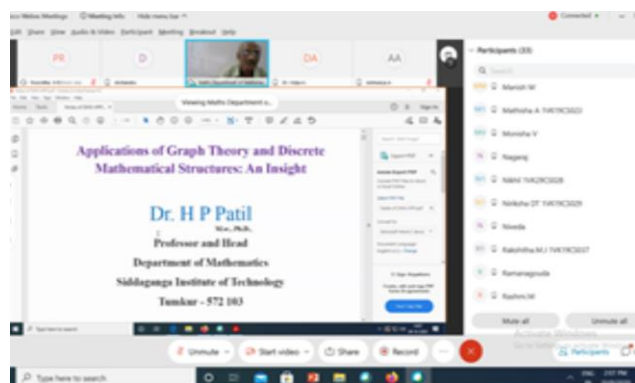
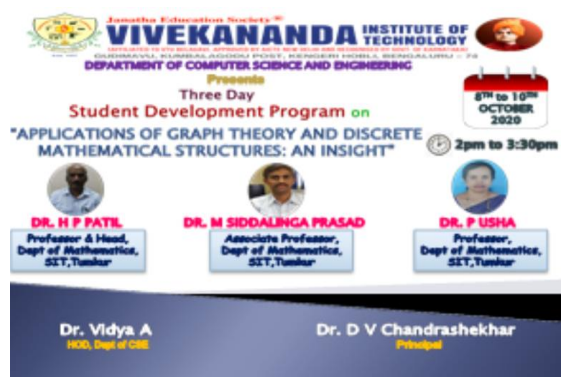


### SADBHAVANA DIWAS

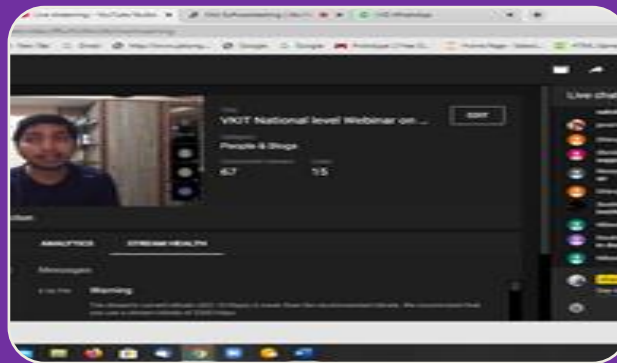
Sadbhavana Diwas is celebrated on 20th of August every year to observe the birth anniversary of former Prime Minister of India, Shri Rajiv Gandhi. The program was inaugurated by Dr. D V Chandrashekar, Principal, and Program coordinator Dr. Vidya A, Prof. and Head CSE Dept., along with Heads of various Departments. The Program coordinator, Dr. Vidya A, has mentioned the significance of the day and called upon the staffs to take Sadbhavana Diwas pledge along with her. All the teaching and non-teaching staffs actively took pledge.



## TALKS/SEMINARS/WORKSHOPS ORGANIZED



Department of CSE organized SDP on “Applications of Graph Theory and Discrete Mathematical structures An Insight” on 8<sup>th</sup> to 10<sup>th</sup> October 2020 at 2pm. Coordinator- Prof. Prof. Poorvitha H R  
Speaker:- Dr. Patil H P, Dr. M Siddalinga Prasad, Dr. P Usha. Around 47 students were participated in this SDP and students participated our SDP through Zoom and Webex



### SOFTWARE TESTING TOOLS & ITS METHODOLOGIES

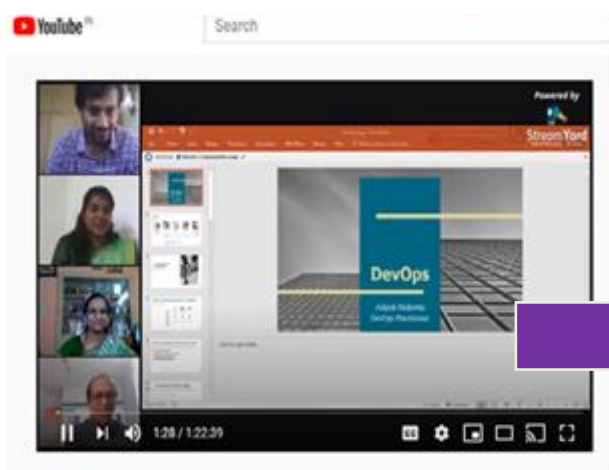
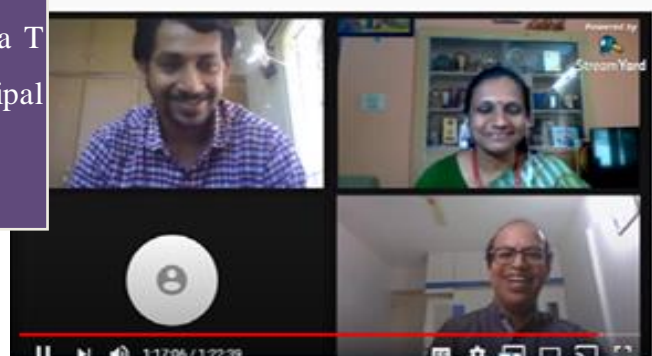
Organized a Three Day National Level Webinar on "SOFTWARE TESTING TOOLS AND ITS METHODOLOGIES" on 03<sup>rd</sup> to 5<sup>th</sup> July 2020 at 11:00 AM. Coordinator - Prof. R Chandramma, Prof. Lakshmikantha G C Speaker- Mr. Chandrashekar B S, Mr. Vinod Kumar D P.



Organized a webinar on “**CYBER SECURITY AND ETHICAL HACKING** “on 04<sup>th</sup> July 2020 at 11 am. Coordinator- Prof. Lokanna Kadakolmath, Prof. Pavithra H C Speaker- Mr. Janardhan P S, Cyber Analyst, ANZ Bank, Melbourne, Australia, and Mr. Darshith S Nadig, IT Operations Specialist, Siemens Gamesa Renewable Energy S.A. Australia.



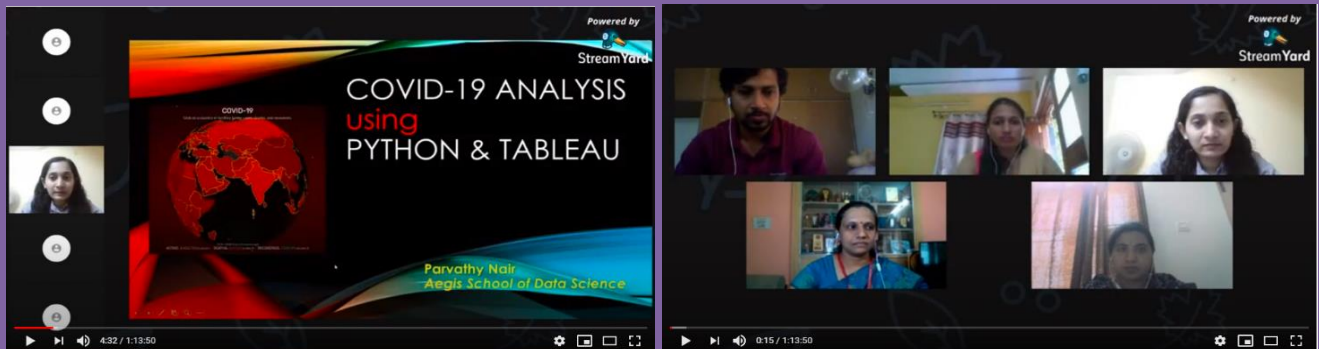
Organized a webinar on “**DevOps** ” on 7<sup>th</sup> July 2020 at 11 am. Coordinator- Prof. Suresh Kumar S, Prof. Arpitha T Speaker- Mr. Adarsh Mehrotra, Industry Principal Consultant, Infosys



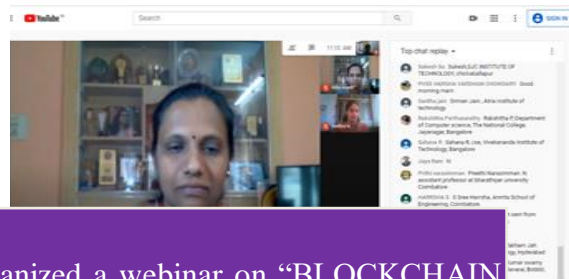
**DEVOPS**



CSE organized a webinar on “COVID-19 DATA ANALYSIS USING PYTHON & TABLEAU “on 11<sup>th</sup> July 2020 at 11 am. Coordinator- Prof. Shruthi B Gowda & Prof. Lakshmi K Speaker- Mrs. Parvathy Nair Research Scholar, Aegis School of Data Science, Pune, India.



## BLOCKCHAIN FOR BEGINNERS

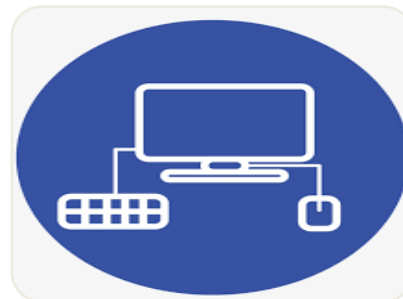


Department of CSE organized a webinar on “BLOCKCHAIN FOR BEGINNERS ” on 13<sup>th</sup> July 2020 at 11 am. Coordinator-Prof. Lokanna Kadakolmath, Prof. Pavithra H C Speaker- **Dr. Kiran M**, Assistant Professor, Department of Information Technology, NITK, Surathkal, Mangalore, India.

Conducted One-Week Webinar on “Yoga for Healthy Mind” from 28/12/2020 to 02/01/2021 during First Year Induction Program in Association with SPYSS, Karnataka.



Department of CSE organized a webinar on “Introduction to Agility” on 18<sup>th</sup> July 2020 at 11 am. Coordinator- Prof. Poorvitha H R, Prof. Dinesh S D Speaker Mr.Sathyanarayana, Freelance Lean Agile, Organisation Coach



### INSIGHT INTO ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

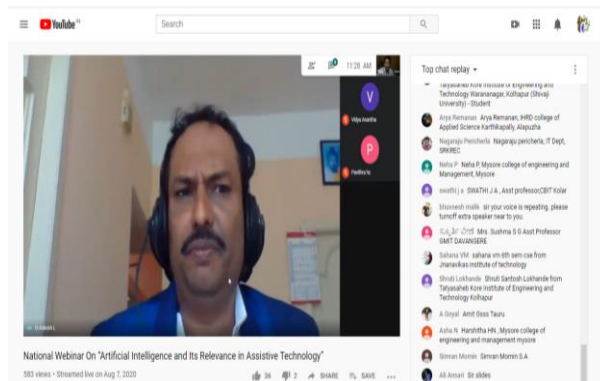
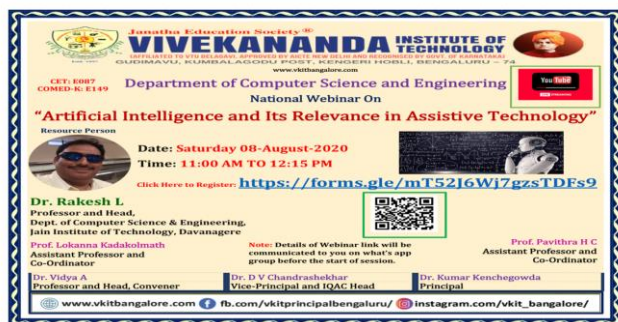
Department of CSE organized a webinar on “Insight into Artificial Intelligence & Machine learning” on 26<sup>th</sup> July 2020 at 1 pm. Coordinator- Prof. Shruthi B Gowda Prof. Lakshmi K Speaker- Mr. Arihant Jain, Data Scientist at ZestMoney, Bangalore, India.

Webinar on “Importance of Mental Health for Students” on 16<sup>th</sup> December 2020, during First Year Induction Programme. Speaker: Dr.Padmakshi Lokesh, CEO & Co-Founder, Smiles in Milez.

Webinar on “Pathway to Success” on 16<sup>th</sup> December 2020, during First year induction Programme. Speaker: Mr. Pramod Nataraj, Co-ordinator, Disha Bharath.

## ARTIFICIAL INTELLIGENCE AND ITS RELEVANCE IN ASSISTIVE TECHNOLOGY

Department of CSE organized a webinar on “**Artificial Intelligence and Its Relevance in Assistive Technology**” on 08<sup>th</sup> August 2020 at 11:00 AM. Coordinator- Prof. Lokanna Kadakolmath, Prof. Pavithra H C. Speaker- Dr. Rakesh L, Professor and Head, Department of Computer Science & Engineering, Jain Institute of Technology, Davanagere, India.



Webinar on “Industry Institute Interaction” on 15<sup>th</sup> December 2020 during induction program of First Year Classes. Speaker: Mr. Kamalesh, CEO, Sookshma e-Learning Pvt., Ltd.,

## INTERNSHIP

56 students from final year have successfully completed Internship program for the two months, in the following companies for the academic year 2020-2021.

- Innovations
- Sookshmas
- Contriver
- Mplex Network
- Teritum Technologies
- Fidrox Technologies
- Appslucent
- Nmbr Systems Pvt Ltd
- Bhel
- Wipro Limited
- Unilog Content Solutions Pvt Ltd
- Bosch
- Infidata Technologies



## TOPPERS



**ANIL KUMAR S K**  
(88.38%)



**JYOTHI NAYARI**  
(85.38%)



**NAVEEN KUMAR N**  
(85.13%)



**MONICA R**  
(84.63%)



**JAGADISH GOWDA**  
(84.63%)



**BALAPRIYA**  
(89.45%)



**SANJANA S**  
(85.56%)



**ARCHANA**  
(83.12%)



**HARSHITH K YADAV**  
(82.23%)



**TANUSHA H J**  
(82%)

## Gold Medal Recipients



**DEEPIKA N**  
**83.30%**  
**2007-2011**



**SANDEEP RAVINDRATENGLI**  
**77.85%**  
**2008-2012**



**AKHILA S**  
**81.6%**  
**2009-2013**



**MONICA B**  
**83.75%**  
**2010-2014**



**MEGHNA V**  
**75.10%**  
**2011-2015**



**DIVYA M**  
**78.68%**  
**2012-2016**



**KAVITHA A.R**  
**73.8%**  
**2013-2017**



**DARSHITH S**  
**77.47%**  
**2014-2018**