

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CSE TIMES

NEWSLETTER Volume 4, Issue No. 1 JAN – JUNE 2021



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. The Department has dedicated and qualified faculty besides good infrastructure for computing. Research at this Department is nurtured through various sponsored programmes funded by national organizations such as AICTE, UGC and Ministry of Communications and Information Technology.

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HOD's MESSAGE

Dear Readers,



Computing is changing the way we think and work, and plays a significant role not only in solving different kinds of engineering and technological problems but also in satisfying societal needs such as health care. Consequently, great advances have taken place in the field of computer science and engineering, bringing together the understanding of the scientific and technological foundations of computing, the concepts of software and hardware as well as those of communication technologies. While adopting innovative pedagogy supported by technology and infrastructure, we focus on motivating students to take new challenges. The present newsletter attempts to present the Department and its activities for general information to all concerned

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

VISION

Computer Science and Engineering saturates all modern activities in modern academia, government and industry and its role will continue to grow. The Department illustrates 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.



HEAD OF THE DEPARTMENT

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

She has 21 +years of teaching and 10 years of research experience. She received her Ph.D in Computer Science and Engineering from JNTUH, 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 in 2011.

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, Internet of Things and Image Processing.

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

| Mobile: 9986011084

PROGRAM SPECIFIC OUTCOMES

- ✓ Apply standard Software Engineering practices and strategies in real-time software project development using open-source programming environment or commercial environment to deliver quality product for the organization success
- ✓ Design and develop computer programs/computer-based systems in the areas related to algorithms, networking, web design, cloud computing, IoT and data analytics of varying complexity
- ✓ Acquaint with the contemporary trends in industrial/research settings and thereby innovate novel solutions to existing problems

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 conduct faculty development programmers regularly for skill up gradation.
- To Place teaching / tutorial material of each subject on the internet to enable students to browse at their own place of learning.
- 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.

OUTCOMES

- Engineering knowledge
- Problem analysis
- Design/development of solutions
- Conduct investigations of complex problems
- Modern tool usage
- The engineer and society
- Environment and sustainability
- Ethics
- Individual and teamwork
- Project management and finance
- Life-long learning



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.



BEST PRACTICES OF THE DEPT.

- > Department Library facilities for students.
- ➤ Conducting Bridge Courses and remedial classes for slow learners.
- > Subject-wise Attendance Grading & its inclusion in MARKS MEMO for improvement in regularity
- Seminars as part of curriculum, compulsory
- Remedial Teaching throughout academic Sessions for improving Pass rate
- > Student feedback system on Academic and Non-Academic Reforms
- Encouraging students to take internship in various industries
- > Student counselling both for personal and career guidance
- ➤ ICT based Teaching —Learning
- Activities of student chapters on both professional and cultural front for the overall development
- ➤ Preparing students with right soft skills henceforth-building confidence in them to face interviews and competitive exams.
- ➤ Department association iTacs to promote co-curricular and extracurricular activities to inculcate working in groups and to develop leadership skills.
- > Encouraging students to take up MOOCS to imbibe continuous learning.

FACULTY DETAILS

- Dr. VIDYA A, Professor & HOD
- Mrs. VANAJAKSHI P, Associate Professor
- Mrs. CHANDRAMMA, Associate Professor
- ➤ Mrs. NIBEDITA P, Assistant Professor
- Mrs. SUNANDA H G, Assistant Professor
- Mr. LAKSHMIKANTHA G C, Assistant Professor
- Mrs. LAKSHMI K, Assistant Professor
- Mr. LOKANNA K, Assistant Professor
- ➤ Mrs. VIJAYALAKSHMI B, Assistant Professor
- > Mr. DINESH S D, Assistant Professor
- ➤ Ms. POORVITHA H R, Assistant Professor
- Mrs. PAVITHRA H C, Assistant Professor
- > Mrs. SHRUTHI B GOWDA, Assistant Professor



NON-TEACHING STAFF

- Mr. SURESH K
- Mrs. SWETHA P
- > Mr. VENKATESH B R

Ph.D. AWARDEE

Prof. Chandramma R has been awarded with Doctor of Philosophy (Ph.D.) in Natural Language processing & Machine learning from Visvesvaraya Technological University (VTU)





CERTIFICATIONS BY FACULTY MEMBERS

Prof. Vanajakshi P secured Elite award in the NPTEL Online Certification Course on "Python for Data Science"



Prof. Nibeditha Panigrahi has successfully completed the NPTEL Online Certification Course on "Python for Data Science"



Virtual Orientation program was conducted for 4th, 6th and 8th semester students of Computer science and engineering at the beginning of EVEN semester held on 19-April-2021. 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 IV, VI and VIII semester students.

- 1. Prof. Poorvitha H R and Prof. Vijaylakshmi B–IV Semester
- 2. Prof. Chandramma R and Prof. Shruthi B Gowda VI Semester
- 3. Prof. Vanajakshi P and Prof. Nibeditha P VIII Semester.





FUNDED PROJECT

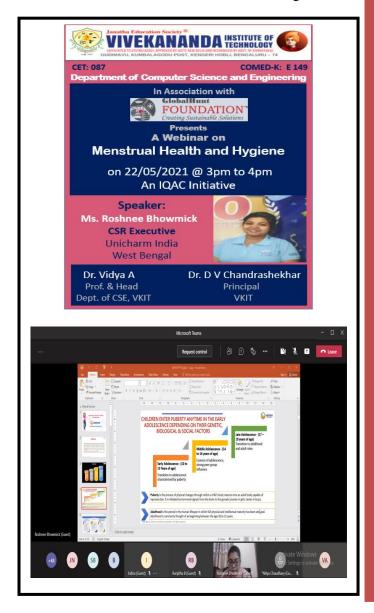
Prof. Chandramma R, Priyanka K, Reshma D, Sahana R, Sushman S M has received amount of RS.4500 /- for the Project Title "Grama Vikas: Ai Based Smart Voice Assistance For Village And Rural Places" from Karnataka state council for science and technology (KSCST), IISC Bangalore for the Academic year 2020-2021.

Prof. Sunanda H G, Ajith Kumar J, Sourav Raj B M, Gokul N, Madhu M has received amount of RS.4500 /- for the Project Title "Speed Estimation and Classification using Legacy Camera System" from Karnataka state council for science and technology (KSCST), IISC Bangalore for the Academic year 2020-2021.

Virtual Webinar was organized on "Ethics and Values" on 10th May 2021, during First Year Induction Programme. Speaker: Dr. P Raveendra, Prof. and Head, Master of Business Administration, MSRIT, Bangalore.

Webinar on "Time Management in Career Development" on 10th May 2021, during First Year Induction Programme. Speaker: Prof. Vanajakshi P, Associate Prof. Dept. of CSE, VKIT, Bangalore.

Organized informative Webinar session on "Menstrual Health and Hygiene" on 22/05/2021 during lockdown for all the girl students and female staffs of VKIT. Speaker: MS. Roshnee Bhowmick, CSR Executive, Unicharm India, West Bengal.



Webinar on "Govt. Schemes for Start-up" on 24/05/2021 during Lockdown for students of VKIT. Speaker: Mr. Mohan, CEO, Infinite Desire, Entrepreneurship Solutions.



Webinar on "Innovation Driven Entrepreneurship" on 25th June 2021 in association with IIC-VKIT. Speaker: Mrs. B R Poornima Head, We Act, Bangalore.



Webinar on "Challenges in Data Science", on 03 June 2021. Speaker: Dr. K Thippeswamy, Professor and Head, Dept. of CSE, PG Centre, VTU, Mysore.

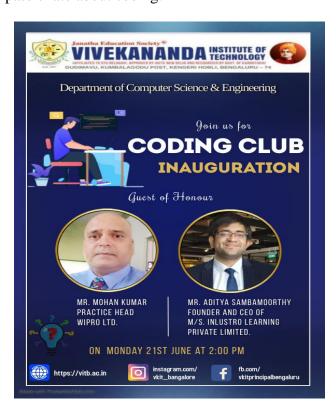


A bridge course was offered as a Two Days intensive course on "Object Oriented Concepts" on 17th and 18th June 2021 before the commencement of regular classes to 4th Semester students of CSE/ISE to enhance their Programming language skills and prepare them to align with Academic and curriculum. Staff Members were involved in this bridge course. Resource Person: Mr. Ravindranath R C, Research Scholar, VTU_VKIT-CSE Research Centre.



"Everybody should learn to program a computer, because it teaches you how to think" - Steve Jobs

Engineering student without coding skills is like a warrior without a sword so our CSE Department has introduced the idea of coding club "<u>WeByte</u>". Within this environment senior student will guide every member from club about the skills which he had gained during his four years of academic and has developed his logic. WeByte Coding Club aims to establish a coding culture on campus, reaching every student passionate about coding.



The Department of Computer Science and Engineering, inaugurated We Byte on September 21st June, 2021. The Guest of Honours for the occasion was Mr. Mohan Kumar, Practice Head, Wipro Ltd. & Mr. Aditya Sambamoorthy, Founder and CEO of M/S. Inlustro Learning Private Limited. The inaugural ceremony was also graced by the CSE staff members and students from

ODING CLUB



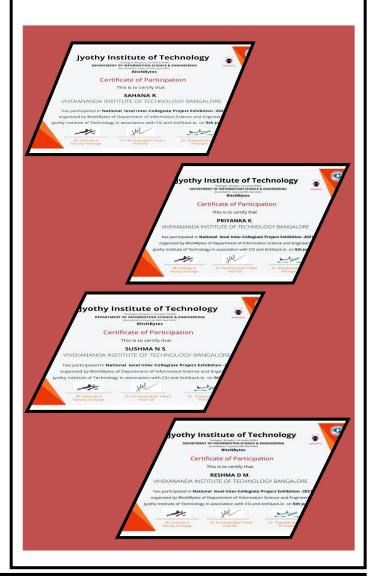


STUDENT A CHIEVEMENT'S

• Prajay kumar jain H V, Harshitha G, Lavavnya R participated and presented a Project on "Smart forming using IOT crop protection in INNOCENTRIC 2021, Virtual Inter-Collegiate Project Competition organized by the Department of Computer Science and Engineering at Global Academy of Technology, Bengaluru on 23rd July 2021.



• Sahana R, Sushma N S, Reshma D.M, Priyanka K Participated in National Level Inter-Collegiate project Exhibition-2021 organized by BitNBytes Tech Club & Jyothy Institute of Technology, Bangalore on 05.07.2021.



Prajay kumar jain H V, Harshitha G, Deepika R, Lavanya R participated & presented a Paper on "Smart farming using IOT: crop protection" in the 3rd National Conference on "Advancements in Computer science & engineering" organized in Association with VTU Belgavi & Computer society of India & New Horizon College of Engineering, Bangalore on 26.05.2021.

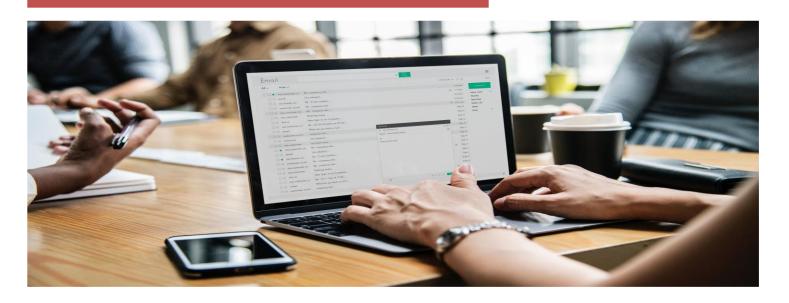


FACULTY A CHIEVEMENT'S



- Dr. Chandramma R submitted & Filed Patent on "AUTOMATED LOCATION IDENTIFICATION SYSTEM USING TEXT AND IMAGE DATA" to Australian Government IP. IP Australia Commissioner of Patents has granted the Patent number: 2021100154 on 31 March 2021.
- Dr. Vidya A has undergone Innovation Ambassador training (Foundation Level) conducted by MoE's Innovation Cell & AICTE during the period from 30th June - 30th July 2021 in online mode.
- Prof. P Vanajakshi has successfully completed Innovation Ambassador Training conducted by MoE's Innovation Cell & AICTE in online mode.
- Dr. Vidya has received a Certificate of Appreciation for a "A Non-Invasive Blood Glucose Level Monitoring using IOT" for being presented in the "5th National Level IEEE Project Competition-2021" Organized by GSSSIETW Mysore on 26th June 2021.
- Dr. Chandramma R was a Jury member of INNOCENTRIC-2021
 Virtual Inter collegiate Project Competition held on 23rd July at
 Global college of Engineering Bangalore.
- Dr. Chandramma R was Resource Speaker in the National level webinar on "Python Programming" on 3rd July 2021 at R S College Management and Science, Bangalore.





COUNSELINGSYSTEM

Online Counseling sessions were conducted for the students on Regular Basis by the respective Mentors by the inhouse Department Faculty members. The counselors also provide personal counseling to the students.



COMPANIES VISITED IN THE LAST QUARTER





CYIENT

accenture









STUDENT PLACED LIST

SL.NO	STUDENTS NAME	COMPANY/ORGANIZATION
1.	Ranjitha B	Verzeo Edutech Pvt ltd
2.	Rajeshwari S Hiremath	Verzeo Edutech Pvt ltd
3.	Shripriya	Verzeo Edutech Pvt ltd
4.	Sushma N S	Verzeo Edutech Pvt ltd
5.	Sushmitha V	Verzeo Edutech Pvt ltd, Global Quest Technologies, Path Creators Solutions Pvt Ltd
6.	Gokul	Verzeo Edutech Pvt ltd
7.	Anusha	Verzeo Edutech Pvt ltd
8.	Rashmitha P M	Verzeo Edutech Pvt ltd, Pentagon Space Pvt Ltd
9.	Jyothi nayari	Verzeo Edutech Pvt ltd
10.	Harshitha H S	Pentagon Space Pvt Ltd
11.	Prajay Kumar Jain H V	Pentagon Space Pvt Ltd
12.	Sonal S	Pentagon Space Pvt Ltd
13.	Meghana S	Pentagon Space Pvt Ltd, Technologies Global Pvt Ltd
14.	Monica R	Pentagon Space Pvt Ltd
15.	Prajwal S	Elcamino Software Pvt Ltd.
16.	Raju K	Elcamino Software Pvt Ltd.
17.	Srinivas D R	Elcamino Software Pvt Ltd.
18.	Srinivas V	Elcamino Software Pvt Ltd.
19.	Ankitha H G	Global Quest Technologies.
20.	Jagadish Gowda	Global Quest Technologies.
21.	Srinivas V	Global Quest Technologies.
22.	Roushan Raja	Global Quest Technologies.
23.	Lavanya R	Qspiders
24.	Yogitha S R	Accenture Pvt Ltd

TESTIMONIALS



Smruthi Jadhav Alumna

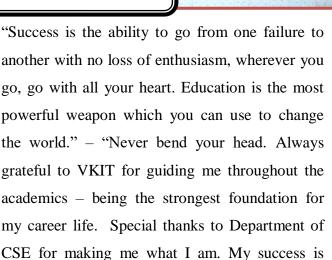
"There were so many good things about my time at VKIT, including how fantastically knowledgeable my teachers were and how giving of their time. The best thing about the College was being part of a supportive environment, where everyone is focused, help each other and you are encouraged to succeed as individuals. The 4 years spent at VKIT were splendid and has helped me to grow better professionally and personally. As far as the placements are concerned, enough opportunities are provided to every student and it is up to the individual how you take it. I am really lucky and proud to have been a part of this institution not only because I got placed in "Tech Mahindra" & "Retail On" but also because of the things I have learned over there. I am eternally grateful to each and every one who was a part of this beautiful journey".



<u>Geetanjali A</u> N Alumna

"It takes a big heart to help shape little minds. The future of mankind lies not in the hands of new technological inventions and scientific breakthroughs. It lies in the hands of ambitious teachers like you, because that's where it all starts from. Always grateful to VKIT for guiding me throughout the academics being strongest foundation for my career life. Special thanks to Department of CSE for making me what I am. My success is always dedicated to each of the Teaching of and non-teaching staffs the Department"





always dedicated to each of the Teaching and

non-teaching staffs of the Department"



"Success is the ability to go from one failure to another with no loss of enthusiasm, wherever you go, go with all your heart. Education is the most powerful weapon which you can use to change the world." – "Never bend your head. Always grateful to VKIT for guiding me throughout the academics – being the strongest foundation for my career life. Special thanks to Department of CSE for making me what I am. My success is always dedicated to each of the Teaching and non-teaching staffs of the Department"



Saujanya Umarji Alumna



Ashveen A Alumnus

at Vivekananda Institute years Technology are memorable. CSE department is one of the best departments in the campus. All the faculties being friendly and supportive in studies, extracurricular activities, placement activities and many more. Technical talks and workshops conducted by various speakers from a lot of different companies, helped students to, be aware and be updated about growing technology. 'iTACS' - an association formed in CSE department helped students enjoy and learn many technical stuffs by conducting regular events every week like Technical quizzes, Coding and Debugging etc on Thursday. "I would like to thank all the teaching and non-teaching staffs in Vivekananda Institute of Technology for making me who I am today."

