



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

Newsletter: Volume 2, Issue No. 2 JULY- DEC 2019

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6th sem, CSE



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.

Upcoming Events



OUTCOMES

- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **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.
- **Design/development of solutions:** 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, and 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.
- **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.
- **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, demonstrate the knowledge of, and need for sustainable development.
- **Ethics:** Apply ethical principles and commit to professional ethics, responsibilities, and norms of the engineering practice.
- **Individual and teamwork:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **Communication:** Communicate 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.

- **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

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 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.
- 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.

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 programmes regularly for skill upgradation.
- 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.

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.

Good Practices 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.
- Department association iTacs to promote co-curricular and extracurricular activities to inculcate working in groups and to develop leadership skills.
- Arranging seminars and workshops on innovative technologies to create awareness on recent happenings in IT-Industries.
- Regularly arranging industrial visit and promoting internships.
- Encouraging students to take up MOOCS to imbibe continuous learning.
- Use of ICT tools in teaching, learning and assessment.
- Arranging regular Parent Teachers Meet.
- Feedback system to assess the quality of teaching, facilities, institution from parents and faculty performance from students.
- Department Library facilities for students.
- Regularly organizing induction and orientation classes for students.
- Conducting Bridge Courses and remedial classes for slow learners.
- Students with good percentage will be identified and rewarded in each subject.

HEAD OF THE DEPARTMENT



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

Dr. Vidya A has 19 years 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.

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

Mobile: 9986011084

FACULTY LIST

Faculty Name	Qualification	Designation	Working Since
Dr. VIDYA A	B.E., M.E, Ph. D	Professor & HOD	24/04/2000
Mrs. VANAJAKSHI P	B.E., M.TECH (Ph. D)	Associate Professor	08/07/2000
Mrs. CHANDRAMMA	B.E., M.TECH (Ph. D)	Associate Professor	11/10/2001
Mrs. NIBEDITA P	B.E., M.TECH (Ph. D)	Assistant Professor	16/02/2010

Mrs. SUNANDA H G	B.E., M.TECH	Assistant Professor	08/05/2009
Mr. LAKSHMIKANTHA G C	B.E., M.TECH	Assistant Professor	10/09/2009
Mrs. LAKSHMI K	B.E., M.TECH	Assistant Professor	13/06/2011
Mr. LOKANNA K	B.E., M.TECH (Ph. D)	Assistant Professor	01/01/2013
Mrs. VIJAYALAKSHMI B	B.E., M.TECH	Assistant Professor	24/07/2013
Mr. DINESH S D	B.E., M.TECH	Assistant Professor	26/07/2013
Mr. SURESH KUMAR S	B.E., M.TECH (Ph. D)	Assistant Professor	11/10/2013
Ms. POORVITHA H R	B.E., M.TECH	Assistant Professor	23/07/2014
Mrs. ARPITHA T	B.E., M.TECH	Assistant Professor	01/08/2016
Mrs. PAVITHRA H C	B.E., M.TECH	Assistant Professor	18/09/2017
Mrs. SHRUTHI B GOWDA	B.E., M.TECH	Assistant Professor	27/08/2018

NON-TEACHING STAFF

Faculty Name	Qualification	Designation	Working Since
Mr. NAVEEN KUMAR	Diploma, B.E.	System Admin	03/11/2008
Mr. SURESH K	Diploma, B.E.	Programmer	09/07/2007
Mrs. SWETHA P	Diploma, (BCA)	Instructor	13/06/2011
Mr. VENKATESH B R	B.E	Instructor	29/08/2018

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

ELECTIVES OFFERED BY THE DEPARTMENT IN 5th, 6th, 7th and 8th SEMESTER

- 5th Semester: Advanced JAVA and J2EE /17CS553 [Professional Elective 1]




- 5thSemester: Artificial Intelligence /17CS562 [Open Elective 1]
- 6th Semester: Data Mining and Data Warehousing/17CS651 [Professional Elective 2]
- 6th Semester: Python Application Programming/17CS664 [Open Elective 2]
- 7th Semester: Unix System Programming/15CS744 [Professional Elective 3]
- 7th Semester: Storage Area Networks/15CS754 [Professional Elective 4]
- 8th Semester: System Simulation and Modeling /15CS834 [Professional Elective 5]

TOPPERS LIST OF THE YEAR 2018-2019





UG SEMESTER TOPPERS (4th YEAR)

Sl. No.	SEM	USN	STUDENT NAME	SGPA	AVERAGE	PHOTO
1	8	1VK15CS021	JANHAVI. D JADHAV	9.30	9.11	
	7			8.92		
2	8	1VK15CS028	MANASA M	8.95	8.915	
	7			8.88		
3	8	1VK15CS023	JYOTHI	9.10	8.84	
	7			8.58		
4	8	1VK15CS026	KRUTHIKA S SULGHUR	9.25	8.62	
	7			8.00		

UG SEMESTER TOPPERS (3rd YEAR)

Sl. No.	SEM	USN	STUDENT NAME	SGPA	AVERAGE	PHOTO
1	6	1VK16CS037	MONISHA V	8.46	8.42	
	5			8.38		
2	6	1VK16CS070	SHIVANI P R	7.92	8.00	
	5			8.08		
3	6	1VK16CS059	RAMYA C	7.54	7.84	
	5			8.15		
4	6	1VK16CS017	HARSHITHA N	7.15	7.6	
	5			7.54		

UG SEMESTER TOPPERS (2nd YEAR)

Sl. No.	SEM	USN	STUDENT NAME	SGPA	AVERAGE	PHOTO
1	4	1VK17CS035	MONICA R	8.93	8.72	
	3			8.52		
2	4	1VK17CS054	SWETHA A	8.46	8.67	
	3			8.89		
3	4	1VK17CS029	MANASA M	8.46	8.47	
	3			8.48		
4	4	1VK17CS020	JAGADISH GOWDA P	8.18	8.38	
	3			8.59		

UG SEMESTER TOPPERS (1st YEAR)

Sl. No.	SEM	USN	STUDENT NAME	SGPA	AVERAGE	PHOTO
1	2	1VK18CS007	BALAPRIYA	8.25	8.35	
	1			8.45		
2	2	1VK18CS042	SANJANA S	7.85	8.12	
	1			8.40		
3	2	1VK18CS022	MANISHA GOWDA	7.85	7.95	
	1			8.05		
4	2	1VK18CS056	VINEETH M	7.35	7.6	
	1			7.85		

WORKSHOPS /SEMINARS/FDPS ATTENDED

- Dr, Vidya A Professor and Head Dept. of CSE has attended one day Orientation session on “ARIIA 2020” conducted by Amrita Vishwa Vidyapeetham Bangalore on 5th August 2019.
- Venkatesh has attended 3-day workshop on “**Experimental Learning on Electronic Device and Digital System Design**” from 15th to 17th July 2019 at SJBIT Bangalore.
- Prof. Arpitha T, Prof. Lakshmi K and Prof. Pavithra H C have been completed online certification course on “**Responsive Dynamic web portal**” from 8th to 12th July 2019.
- Prof. Pavithra H C has been attended FDP on “**Student induction program**” from 17th to 19th June 2019 at Cambridge Institute of Technology Bangalore.



- Prof. Nibedita P, Prof. Sunanda H G, Prof. Poorvitha and Prof. Vijayalakshmi have attended 3-day workshop on “**Machine Learning with Python**” from 11th to 13th July 2019 at SJBIT Bangalore.
- 3-day workshop on “Research methodology and Latex” from 19th to 21st June. Live streaming of all the sessions through e-shikshana platform attended by CSE staffs at Edusat center AT CSE/ISE Dept.



- Prof. Dinesh S D has attended one day workshop on e-Attested Video Conference on Post Metric Scholarship and e-Attestation on 30th October 2019 at Taluk Panchayat Office Banashankari Bangalore.
- Prof. Chandramma has participated one-week faculty development programme on “**Data Sciences**” jointly organized by UVCE and ATAL Academy from 23rd to 27th September 2019 at University Visvesvaraya College of Engineering Bangalore.
- Prof. Dinesh S D has attended 5-day workshop on “**Machine Learning and Deep Learning**” from 15th to 20th July 2019 at SJBIT Bangalore.
- Dr, Vidya A Professor and Head & Prof. Suresh Kumar, Dept. of CSE have attended one day Dissemination workshop on e-learning technologies at ECE- Golden Jubilee seminar hall, IISc. Bangalore on 13 th August 2019.

PAPERS PRESENTED BY FACULTIES

International Conferences

National Conference

- Dr. Vidya A, Professor and Head, Dept. of CSE has participated and presented a paper titled “**Effective Project Work Implementation and Assessment Methodology for Undergraduate Engineering Programme**” during 48th ISTE National Annual Faculty Convention held at VTU Belagavi on 19th & 20th March 2019.

AWARDS/REWARDS/HONOR

- Praveen K S, Rheeshabh Kumar Singh, Sakshi Devangi C, Vignesh Kumar M have participated in Rural Innovators Start-up Enclave(RISC-2019) held during 27th & 28th September 2019 at NIRDPR, Hyderabad and won second prize amount of Rs. 7500/- for the project “**Cloud Monitoring using Noise Detection & GPS**” under the guidance of Prof.Poorvitha H R .
- 8th Semester student Project team, along with mentor Prof. Lokanna K at International Institute of Information Technology, Bangalore, during final round of BITES- Xcelerator project awards event held on 22nd June 2019 under the guidance of Prof. Shruthi B Gowda.



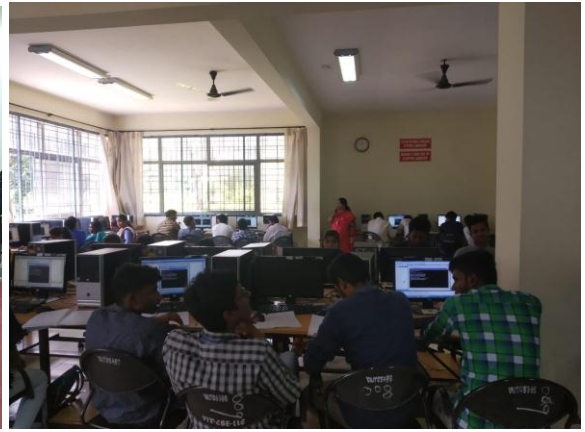
TALKS/SEMINARS/WORKSHOPS ORGANIZED

- The iTACS, Department of Computer Science and Engineering of Vivekananda Institute of Technology, Bangalore organized a webinar on **“How to build an Artificial Intelligence First Institution”** on 06th August 2019 at 3.00 pm to 4.00 pm by **Akash Guruprasanna**, Product Manager, IBM Power Systems and **Hari R**, GMU Lead, STG Tech University Business Development and Ecosystem IBM.



- A five-day certification course on **“Computer Communication Network”** was successfully completed from 30th Sep to 5th Oct 2019 in association with Jetking learning center, Sadashivanagar Bangalore.

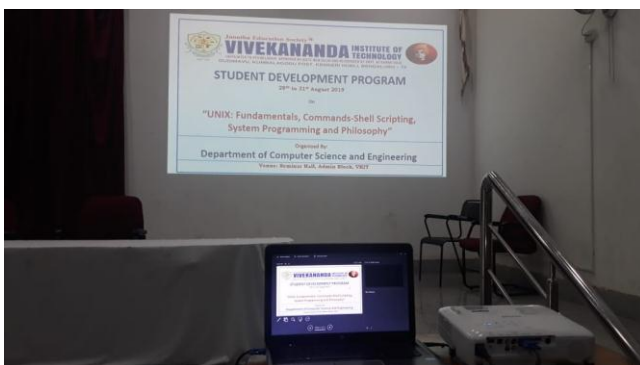




- A pre placement-training program was conducted on 19th and 20th September 2019. The faculties of CSE department Prof. Lakshmikantha G C, Prof. Sunanda H G & Prof. Poorvitha H R have trained the 7th semester students of CSE, ISE & ECE.



- A Three-day Student development program on **“UNIX: Fundamentals, Commands –Shell Scripting, System Programming and Philosophy”** was successfully completed from 29th to 31st August 2019.



- The iTACS, Department of Computer Science and Engineering of Vivekananda Institute of Technology, Bangalore organized a Gaming event on “**SQUARE**” on **24th August 2019** under the banner **iTACS**.



- A Proud VKITIAN Day was celebrated on 14th September 2019. Dr. Shaila K, Professor EC has delivered a talk on “**Bridging the Industry Academic gap in Higher Education**” .



- A Technical Talk on “**BPM Concepts and Tools in Market Middleware, Integration Concepts and Tools in Market**” has been arranged for 3rd, 5th and 7th Semester students on 14th September 2019 at 9.30 AM.



- Department of CSE has arranged a technical talk on “**Agile vs. Traditional, Solutions Management and Retail analytics**” for all the students of VKIT on 17th August 2019. The speaker was Mr. Narasimha Sarovar, Product Manager, Johnson Controls Pvt. Ltd., Bangalore.



- Department of CSE has organized a **Quiz Competition** at Induction Program for the first year students on 19th August 2019 .



- Department of CSE has organized a workshop on “**Personality Development and grooming**” on 2nd August 2019 in association with **Gillete Guard**.

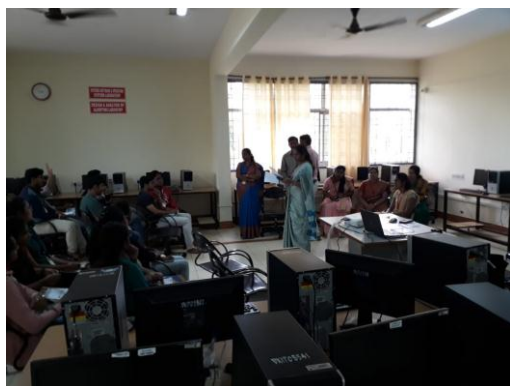


- Department of CSE has organized One- day hands-on workshop on “**Database connectivity using JFrames**” for 5th semester students on 25th October 2019. The workshop was conducted by 7th semester students Nithin K R , Prerit S Sobhani, Rajath Praveen Raj , Rakesh R to encourage peer learning.
- Department of CSE has organized a workshop on “**Personality Development and grooming**” to build confidence in girls. The event was organized on 19th Nov 2019 in association with **Rexona-Hindustan uniliver limited**.
- Mr. Rajesh Saha from Quiklrn has delivered a talk on “**Learning Management System**” which includes academic processes, outcome based education, Student Performance, Employability etc.. organized by Dept. of CSE on 1st July 2019.



- Orientation program was conducted for 3rd and 5th semseter students of Computer science engineering at the beginning of Odd semester held on 24-July-2019 and for 7th semester students on 27th July 2019. 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. Vanajakshi P & Prof. Lokanna K– III Semester
2. Prof. Chandramma R & Prof. Dinesh S D – V Semester
3. Prof. Lakshmikantha G C – VII semester.

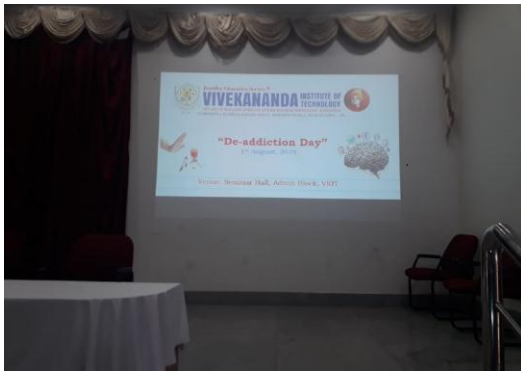


NATIONAL FESTIVAL CELEBRATION

- The **“FIFTH INTERNATIONAL YOGA DAY”** was a carousing day at VKIT by the presence of our chief guest Mr. Praksh Guruji, a yoga guru and mane maddu expert along with our beloved principal Dr. Kumar Kenche Gowda, vice principal Dr. D V Chandrashekar followed by HOD's of all the department of VKIT and other faculty, staff members and students.



- “DE-ADDICTION DAY”** was celebrated at VKIT on 01 August, 2019 to create awareness among VKITIANS about addiction and its demerits. Our Principal showered his valuable words and shared his knowledge and the event was made a grand success.

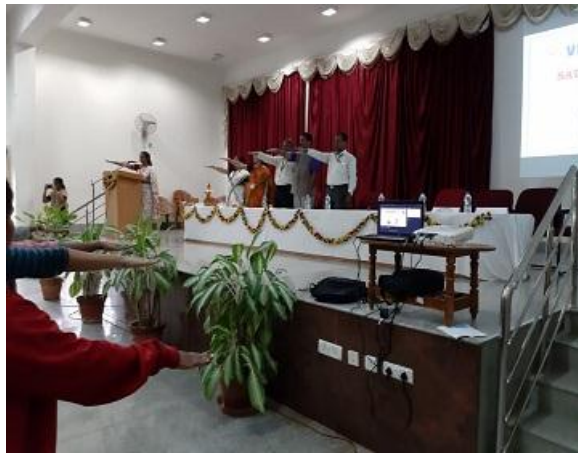


- **“Independence Day”** was celebrated in VKIT on 15 August 2019, which is been celebrated every year. This day was in VKIT was a very patriotic day.



- **“Sadbhavana Diwas”** is a very auspicious day that was celebrated on 20 August 2019 at VKIT that commemorates the memory of our late Prime Minister, **Rajiv Gandhi**.





- The **Creative Club** of Vivekananda Institute of Technology had organized an event on “Logo Designing” for “ಕನ್ನಡರಾಜ್ಯೋತ್ಸವ” on Monday, 14th October 2019 at 2.00pm to 3.00 pm in the Seminar Hall. Twelve students have participated in the event from various departments.



- Talk by Dr. Mala B, on "Balancing Physical and Mental Stress", organized by CICC Committee of VKIT on 16th September 2019.



INDUSTRIAL VISIT

- Industrial visit was carried out to Advanced Electronic Systems, Peenya Industrial Area on 13th November 2019 to fifty students of 5th semester , which were accompanied by four faculties of the department.



- Visit to Jetking Learning Center, as a part of Certification Course on "Computer Communication Network" by Dept. of CSE.



PARENT –TEACHERS MEET (PTM)

- The department is conducting regular PTM to discuss about academic performance and overall growth of students with their parents.



AWARENESS PROGRAM

- Department of Computer Science and Engineering faculties have actively participated in **TV5 EDUCATION EXPO** at Jnana Jyothi Auditorium, Bengaluru on 14th, 15th and 16th June 2019.



- Dept. of CSE has taken an initiative to campaign for river Cauvery in association with ISHA, Coimbatore on 14th September 2019 at VKIT campus.



SPORTS/CULTURAL

- Participation of CSE faculty members in cultural programs held at JES on 31st August 2019.



PROFESSIONAL BODY: ISTE INSTITUTIONAL CHAPTER, STUDENT CHAPTER

- The one day Workshop was conducted under ISTE Student-Chapter on “Programming concepts and coding Techniques” on 6th November 2019 for CS/IS/EC/Mechanical/Civil final year students, which will help them in improving programming skills..Prof.Purushotham B V, Technical Training Head ,Mahindra Comviva Technologies Private Limited ,discussed the topics related to Programming Fundamentals, Time and Space Complexity, Coding Standards and Industry Opportunities.



GRADUATION DAY

VKIT organized the Graduation day on 19th October 2019 for the Passed out 2015-2019 batch students. It was held in seminar hall at 9am. Graduates who passed out during the academic year 2015-2019 received their graduation certificates from the chief guest. There was the distribution ceremony of Certificates and Gold Medals to the Departmental Toppers and finally to all the Graduates with their Graduate degree certificate.

