VISION

To exceed expectations as one of the alluded specialized Department, making progress through a dynamic learning environment; creating socially capable nationals.

MISSION

M1: To create trained inventive and quality specialists in Computer Science.

M2: To encourage staff to update skills and aptitudes by teaching proficient values in the alterably evolving environment.

M3: To develop best in-class infrastructural facilities, making progress.

M4: To produce commonly valuable associations with Government, Industry, Society, Alumni and advance Entrepreneurship.

Program Educational Objectives (PEOs)

1. Work productively as Computer Engineers, including supportive and leadership roles in multidisciplinary domain.

2. Participate in life-long learning through the successful completion of advanced degrees, continuing education, certifications and/or other professional developments.

3. Promote design, research, product implementation and services in the field of Computer Science and Engineering through strong technical, communication and entrepreneurial skills.

Session on "Importance of cleanliness and hygiene"

Department of Computer Science,Vivekanada College of Engineering and Technology,Puttur in association with VVS Kula Grama Vikasa Yojane jointly had organized a session on "Importance of cleanliness and hygiene" for Govt Primary School students on Saturday, 3rd August at Ojaala,Kula Grama. The main objective of the session was to educate the children's on the importance of cleanliness

Bootcamp Program

A one day boot camp on E-Step, by startup Karnataka was organized by Vivekananda College of Engineering & Technology, Puttur on Saturday, 17th August 2019. Students from Vivekananda Engineering College as well as from Degree and Polytechnic College were participated at this boot camp and there were around hundreds of them attended. The event started with an overview about the Startup Ecosystem. . After that Mr. Praveen Udupa, Entrepreneur who was the founder of "A1 Logics" gave a talk about how to startup a business and what are the factors that were supposed to be followed to continue the

business. Finally there was a mock pitch session where Mr. Vishnu Nagaraj told about their carrier and what are the new facilities that government is going to provide for people who are planning to start up a new business.

Session on "How to face interview"

Department of Computer Science and Engineering, Vivekananda College of Engineering and Technology, Puttur had organized an interactive session "How to face interview" with Dr. Shekar Iyer, Director , MBA, VCET, Puttur on 21/08/2019. The main aim of the session is to prepare the students for placement activities. Dr. Iyer talked about the work culture in corporate world. He also spoke about the dress code and the way in which the questions are asked by the interviewer. He also gave idea on how to write resume, what kinds of questions are asked by the interviewer and so on..

Technical talk on "Trends in Science, Engineering and Management"

A technical talk on "Trends in Science, Engineering and Management"is delivered by Prof. Niranjan UC,Manipal dot net private limited, Manipal to all the staff members of VCET and students of CSE as part of NCASEM.He opined that anyone can start an industry venture, the candidate needs little expertise, idea and risk taking capability citing his own example case study. He explained how he started his start-up venture with a small space in an engineering college with limited facilities to an independent building with more than 75 employees as on today.

Plantation Drive at Padnur Village

Association of Computer Science Engineering Students(ACES) in association with Unnath Bharath Abiyan organized a Plantation drive program at Padnur village as part of Preserve Planet Earth Program on 29/08/2019. The students of CSE department planted about 35 saplings at Padnur village. The ACES coordinator Mr. Pramod Kumar and Unnath Bharath Abiyan coordinator Ms. Divya were coordinated the event.

Talk on "Future of Iot And Data Analytics for Indian Scenario"

The Dept. Of CSE conducted Technical talk on "Future of IOT and Data Analytics for Indian Scenario" by ACES student association on 4rd September, 2019 at 11:00 AM in Sri Rama Sabhabhavana.. Dr. Kavitha Sooda is currently working as Associate Professor at Dept. of CSE , B.M.S. College of Engineering, Bangalore. In her 2 hours talk, she shared her knowledge on How the Indian IOT scenario research is going on, Identifying the stakeholders of IOT in India , some case studies on Academic research projects of IOT ,IOT applications & its challenges in Indian Agriculture.

"Anyone who has never made a mistake has never tried anything new." -Albert Einstein

Teacher's Day Celebration

On Sep 5, 2019 department of CSE in association with ISTE celebrated teacher's day in Sri Rama Sabhabhavana. Teachers who secured best result during ODD& EVEN Semesters of 2018-19 and Special Recognition / Achievements / Contributions by teachers was appreciated and honored.Mr. Priston introduced the chief guest, Sri. Muniraj Renjala Head Master, Jain H. P. School Moodabidri to the gathering. Chief Guest of the function, : Sri.Muniraj Renjala addressed the gathering. Dr. M.S.Govinde Gowda, Principal, VCET and Sri.Satheesh Rao P, President,VCET Governing Council addressed the gathering. Chief Guest of the function:

Student Association Inauguration

On Department of Computer Science and Engineering, Vivekananda College of Engineering and Technology, Puttur had organized branch entry for second year Computer Science students on September 6, 2019.. Chief Guest of the function Dr. M. S. Govinde Gowda, Principal, Prof.Mahesh Prasanna, Head, CSE department, Prof.Pramod Kumar P M, ACES coordinator, Ms. Mistu Jasmine Andrade , ACES Student President, Ms. Shwetha K, Student Secretary lighted the lamp. Ms. Shwetha K gave the academic report of 2018-19.Prof.Mahesh Prasanna, Head, CSE department address the gathering. Dr. M. S. Govinde Gowda also addressed the audience.

Workshop on "Internet of Things using Google Assistance and blynk"

Department of Computer Science and Engineering,Vivekananda College of Engineering and Technology, Puttur in association with IEEE VCET student branch conducted a Two days Workshop on Internet of Things using Google Assistance and blynk on 7th & 8th September 2019 at Networks Lab. It was delivered by Dr. Raghavendra S, Department of CSE, Vivekananda College of Engineering and Technology, Puttur. Aim of the workshop is to, motivate the students to do their own projects and prototype for the society

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"Education is the most powerful weapon which you can use to change the world" – Nelson Mandela

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FDP on ESP32

Á one day Faculty development program on ESP32 was organized by ICIoT team of VCET to all the staff members of CSE department on 16/09/2019 at ICIoT lab. Aim of the program is to train the faculties of Computer Science and Engineering on ESP32 board and Arduino IDE. Prof. Sandesh Karanth started the session and gave introduction to ESP32 pin configuration.

VTU Consortium Training Programme on " E-Resources for academic excellence"

Vivekananda college of Engineering and Technology, Puttur in association with Visvesvaraya Technological University, Belagavi organized a one day VTU Consortium Training Programme on " E-Resources for academic excellence" on 21st September 2019 at Sri Rama Bhavana,VCET, Puttur. Sri Raghuraj Ubaradka , Coordinator, Teachers Training Cell (TTC) was the Chief guest, In his inaugural speech he mentioned importance of e-resources in the academic research. Sri. Ravikrishna D.Kallaje, Director, VCET Governing Council was the President of the function, in his presidential remarks he suggested to give importance to e-resources and traditional source of information. Total 94 participants were registered for the training. Publisher representatives from the Elsevier Sciencederect, Taylor & Francis, Springure, Emerald, ICE, Sentantia, Turnitin and New Age International were resource persons.

Internshala

The Association of Computer Science and Engineering had organized a talk by Sumanth K, Internshala Student Partner representing Internshala in VCET on "How to gain work experience and pocket money while in college?" on dated 26 September 2019, 4 pm - 4:30 pm at Sri Rama Sababhavana for the benefit of B-Tech second-year students. Mr. Pramod Kumar, Asst. Professor, Dept. of CSE took in charge of the session

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Workshop on "Ethical Hacking"

Association of Computer Science Engineering Students(ACES) in association with Elan &NVision,IIT, Hyderabad and IEEE, VCET organized a two days workshop on "Ethical Hacking" on 28th and 29th September 2019. Total 208 Students from different engineering colleges participated in the workshop.

In Workshop on "Ethical hacking" ,Mr Manish Bharadwaj explained about the basic concepts of Networking. He moved on, to talk about IP address and port numbers wherein he talked about its origin, classification, etc. On the second day, he started off with the hands-on session, followed by website hacking, information gathering concepts related to ethical hacking. Ending the session with wi-fi hacking.

Workshop on "Machine Learning"

Association of Computer Science Engineering Students(ACES) in association with Elan &NVision,IIT, Hyderabad and IEEE, VCET organized a two days workshop on "Machine Learning" on 28th and 29th September 2019. Total 208 Students from different engineering colleges participated in the workshop.In Workshop on " Machine Learning" , Mr A Shashanks, explained about the basic concepts of Python, Artificial Intelligence ,use AI with chatbot. On the second day, he started off with data science concepts, followed by scientific computing of concepts related to machine learning. Step by step procedure about the utilisation of jupyter notebook was taught to execute all the computing

Workshop on "Bug Bounty"

Association of Computer Science Engineering Students(ACES) in association with Elan &NVision,IIT, Hyderabad and IEEE, VCET organized a two days workshop on "Bug Bounty" on 28th and 29th September 2019. Total 208 Students from different engineering colleges participated in the workshop.

In Workshop on "Bug Bounty" , Mr Ramakrishnan Natraj taught how to login to some other web without password site and also he has shown some demonstration about hacking social accounts. He taught how to solve some vulnerable sites and getting information about the sites.

Talk on "IoT and its Applications"

Association of Computer Science Engineering Students(ACES) organized a talk on "IoT and its Applications" to 3rd and 5th semester CSE students on 12/10/2019 at Sri Rama Sabha Bahvana, VCET, Puttur. Mr. Raghavendra Shetty, CEO and Director of RDL technology and Mr. Pradeep Kumar,RDL technology were the resource persons for the session.

Mr. Raghavendra Shetty briefly described IoT with real time examples. This session continued with explaining the components of Iot, the sensor nodes, gateway and cloud storage. The session was continued by Mr. Pradeep Kumar explaining the advantages, uses and opportunities that IoT provides

Talk on " Placement Activity"

Department of Computer Science and Engineering in association with Placement Cell, VCET organized a talk on "Placement Activities" on 17 October 2019 at Sri Rama Sabha Bhavana, VCET, Puttur.

Miss Shoba, director of Oracle Bengaluru was the guest for the program. The program was about how a student must be ready before facing an interview. She mentioned about how student has to improve the communication skill and the importance of communication on industry. Also discussed about types of fears and how it can be avoided during a talk in front of audience.

VIRTUAL LAB WORKSHOP

Workshop on virtual lab had been organized on 31st october 2019 in CAED laboratory for the students of 2nd year to guide them about Virtual Lab ,which is an initiative of MHRD .The session was led by Ms .Akshaya and colleague. Workshop focused on how virtual lab provides remote access in various discipline of science and engineering and helps students in learning basics and advanced concepts through remote experimentation

Session on "Work in IT Sector"

Association of Computer Science Engineering students organized a session on "Work in IT Sector" by Mr. Prajwal S Chandra, Data Engineer,Tellius Private Limited on 02/11/2019 at Sri Rama Sabha Bhavana, VCET ,Puttur. The session started with introduction to Data Science and its main categories as a profession. Mr. Prajwal explained about scope in each field of data science. He also discussed about work goals and ethics in IT Sector. Mr. Pramod Kumar ,ACES coordinator & Asst. Professor, Dept. of CSE was in charge of the session.

"Computer Kaliyona"

Association of Computer Science Engineering Student in association with Unnath Bharath Abhiyan 2.0, IEEE and ISTE, VCET, Puttur organized a session on "Computer Kaliyona" for Government Higher Primary School, Padnoor students 0n 07/11/2019. Students are given with introduction to basics of computer and working of computer with live demonstration of various parts of computer. Around 80 students of Padnoor School participated in the event. Mrs. Radhika Shetty and Mrs. Divya, Assistant Professors, VCET coordinated the event

IoT Wokshop"

IoT awareness to school students was conducted by IEEE student members on 7 November 2019.Vivekananda School students were given a brief introduction about what IoT is,how life can get simpler with IoT,some basic applications of IoT.Also students were given a chance to work on simple led projects using Node MCU.

Staff Activity for the ODD Semester of the Academic Year 2019 – 20	Student Activity for the ODD Semester of the Academic Year 2019 – 20

STAFF ACHIEVEMENTS

o **PAPER PUBLICATIONS/ PRESENTATIONS:**

[1] Roopa G K, Bhagyalakshmi K, "Monitoring the Preservation of Food Grains at Warehouse Using IoT and Smart Sensors", National Conference on Advances in Science, Engineering, Management. 2019, ISBN: 978-81-934215-3-6.

[2] Harivinod N, Krishna Mohana J, Pramod Kumar P M, "Face and Palmprint based Bimodal Biometric System using Logistic Regression", National Conference on Advances in Science, Engineering, Management. 2019, ISBN: 978-81-934215-3-6. pp:93-96

[3] Shanmukhappa Angadi, Raghavendra Katagall, "AgriVigilance: A Security system for Intrusion detection in Agriculture using Raspberry Pi and OpenCV", International Journal of Scientific and Technological Research, Volume 8, Issue 11, November 2019, pp. 1260-1267

[4] Pramod Kumar P M, Krishna Mohana A J, Harivinod N, Nagaraj K, "Music Genre Recognition Using Convolution Neural Network", International Research Journal of Engineering and Technology (IRJET), Volume: 06, Issue: 12, Dec 2019.

[5]Raghavendra S, Rajkumar, Buyya, Venugopal K R, S S Iyengar and L M Patnaik "SDVADC : Secure Deduplication and Virtual Auditing of Data in Cloud", Third International Conference on Computing and Network Communications (CoCoNet'19), Trivandrum, Kerala, India, Procedia Computer Science journal, Elsevier, December 48th -21st , 2019.

[6] Raghavendra S "Intelligent Bicycle with IoT" in the proceedings of National Conference on Advances in Science, Engineering and Management-19 (NCASEM-2019), organized by Vivekananda College of Engineering and Technology, Puttur, on 23rd – 24th August 2019.

[7] Santhosh Meharwade, "Surveillance assistant machine", National Conference on Advances in Science, Engineering, Management. 2019, ISBN: 978-81-934215-3-6.

[8] Nithin Kurup U G, " IoT Based Biometric Authentication using Edge computing", National Conference on Advances in Science, Engineering, Management. 2019, ISBN: 978-81-934215-3-6.

STAFF ACTIVITIES

o **FDP PARTCIPATION/ FACULTY AS RESOURCE PERSON:**

1. Dr. S Raghavendra S, invited as resource person for "Two Days Hands-on Workshop on Internet of Things using Google Assistance and Blynk", VCET, Puttur, September 7th – 8th , 2019.

2. Dr. S Raghavendrai S invited as a Resource Person for "Two Days Hands-on Workshop on Internet of Things using Google Assistance and Blynk", PESITM, Shivamogga, December 20th - 21st , 2019.

STUDENT ACHIEVEMENTS/ ACTIVITIES

1. Mr. Akshay B Shetty has successfully completed "Launching into Machine Learning" and "How Google does Machine Learning " an online non-credit course authorized by Google Cloud and offered through Corsera.

2. Mr. Avaneeshakrishna Shastry C has successfully completed "Improving Deep Neural Networks", "Machine Learning","Neural Networks and Deep Learning" and "Structuring Machine Learning Projects" online non-credit courses authorized by Google Cloud and offered through Corsera.

3. Mr. Avaneeshakrishna Shastry C has successfully completed certification courses on "Responsive Web Design by FreeCode.org, "Google Analytics Individual Qualification","Front End Web UI Framework and Tools:Bootstrap 4 by The Hong Kong University of Science and Technology,"Ruby on Rails:An Introduction" and "Rails with Active Recors and Action Pack" by Johns Hopkins University and I hour of secure Your ReactJS Application with Auth0 online courses by U Udemy,.

4. Mr. Criston Mascarenhas has successfully completed "Responsive Website Basics" by University of London online non-credit courses authorized by Google Cloud and offered through Corsera.

5. Mr. Bhagyaraj B.K, Mr. U Abhishek Nayak, Ms. Shraddha B D,Shreepanchami, Mr. Vishwas M S, Ms. Mistu Jasmine Andrade, and Ms. Apoorva P has participated in 20th VTU Youth Festival "INSIGNIA" held at SDM College of Engineering & Technology, Dharwad from 6th to 9th November 2019 and secured Third place in Flok/Tribal Dance event.

6. Mr. Adarsh S P of 4rd year CSE participated in VTU's 22nd Inter Collegiate Athletic Meet 2019 held at Guru Nanak Dev Engg. College, Bidar from 22nd to 25th October 2019 and secured first place in 4*100mtrs relay. .

7. Mr. Suhas P.M of 3nd year CSE participated in National Life Saving Sports Championships 2019 from 20th to 25th October 2019 and secured first place in 200mt Obstacle Swim ,Run Swim Run, 4*50mt Obstacle Swim,4*25mtr Manikin Carry Relay and 4*50mtr Medley Relay. He also secured second place in 100 Resue Medley and Third place in 200mt Super life sever,50m Manikin carry events.

8. Mr. Suhas P.M of 3nd year CSE participated in VTU Inter Zone Tournament held at Ramaiah Institute of Technology, Bangalore from 18/09/2019 and secured Winner in 100 mtr Breast Stroke Swimming and Runner Up in 200 mtr Butterfly, 200 mtr Breast Stroke, 200mtr Individual Medley, 50mtr Butterfly,200mtr freestyle, 1500mtr Freestyle, 400 mtr freestyle and 100 mtr butterfly swimming.