SRI VENKATESWARA COLLEGE OF ENGINEERING

Cse Bytes

NEWSLETTER

ACADEMIC YEAR: 2020 - 2021

(VOL. 3, ISSUE 1)

DEPARTMENT

OF

COMPUTER SCIENCE AND ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CSE-BYTES

NEWSLETTER

ACADEMIC YEAR: 2020-2021

VOLUME 3, ISSUE 1

(JUNE 2020 - NOV 2020)

CSE-BYTES

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NEWSLETTER

CHIEF PATRON

Dr. M. Sivanandham, Ph.D

PATRON

Dr. S Ganesh Vaidyanathan Ph. D.

PRESIDENT

Dr. R. ANITHA HOD/CSE

About The College

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ABOUT THE COLLEGE

Since its inception in 1985, Sri Venkateswara College of Engineering has taken long strides and grown in stature and reputation in the province of engineering education. The College is in its 35th year. In these thirty five years of the journey it has progressed a lot.

It has gained the reputation of offering exceptional engineering education as proven by the scholarly accomplishment of its students. It has also made certain remarkable contributions to engineering education. A most significant accomplishment is conceiving and designing the syllabus for B.Tech - Artificial Intelligence and Data Science and gaining the approval of Anna University.

Learning, at SVCE, has never been limited to the classroom, learners are exposed to a variety of activities – curricular and extra-curricular – that help them to hone their skills and develop rounded personality, receive a career-focused education and earn a name for themselves and for their alma mater.

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering was established in the year 1985. Over the past few years, the department has acquired national and international importance. This has been achieved by the collective and responsive effort of the faculty, the supporting staff and the students. The department is well equipped with excellent computing facilities, and has highly qualified faculty specialized in areas like Cloud Computing, Artificial Intelligence, Data Analytics, Networking, Data Mining etc.

Programmes offered by the department are

- B.E. Computer Science and Engineering
- B.Tech. Artificial Intelligence and Data Science
- M.E. Computer Science and Engineering
- Ph.D. Computer Science and Engineering

ABOUT THE DEPARTMENT

VISION

To excel in providing education and research in the field of computer science and engineering in the cutting edge technology so as to produce competence professional at global level.

MISSION

- Competent and trained faculty enriching the aptitude of the student to generate innovative and effective problem solving skills with professionalism
- Providing strong research and state of the art facility to the students to face dynamic challenges of industry and society
- Educating the students to be successful, ethical and lifelong learners

MESSAGE FROM HOD

Dr. R. Anitha

I would like to express my sincere appreciation for all the tremendous efforts put forth by the newsletter team in the academic year 2020-2021. This Newsletter 'CSE-BYTES' is a forum to expose the events, happenings, and achievements in the department as well as provide a platform to exhibit the talents of the budding engineers and the faculty as well.

It also helps in building up teamwork among the students, which is very much important in this competitive world. I hope the students can make use of this opportunity to develop their inherent talents and actively contribute the same to the newsletter.

This newsletter will definitely create an impact in the minds of readers by providing a wider visibility and new dimension to the learning community. I hope that this culture of releasing newsletter will continue forever with the support from both the students and the faculty.

Student Achievements

STUDENT ACHIEVEMENTS

Ms.Varsha B Successfully completed "Introduction to html5" course by university of Michigian on 05/10/20 offered by Coursera.

Ms.Varsha B Successfully completed "Introduction to html5" course by university of Michigian on 05/10/20 offered by Coursera.

Mr.Allen Manoj II CS/A has recognized as “Best speaker and host of an event-Introduction to OpenCV and MLSA Program” by Microsoft.

Ms. Kaviyadharshini R, I CS/B completed “Introduction to Cybersecurity Course” on 27/01/2020 organized by ICT Academy in association with Cisco Networking Academy.

Mr. John Williams, I CS/B completed “Introduction to Cybersecurity Course” on 24/01/2020 organized by ICT Academy in association with Cisco Networking Academy.

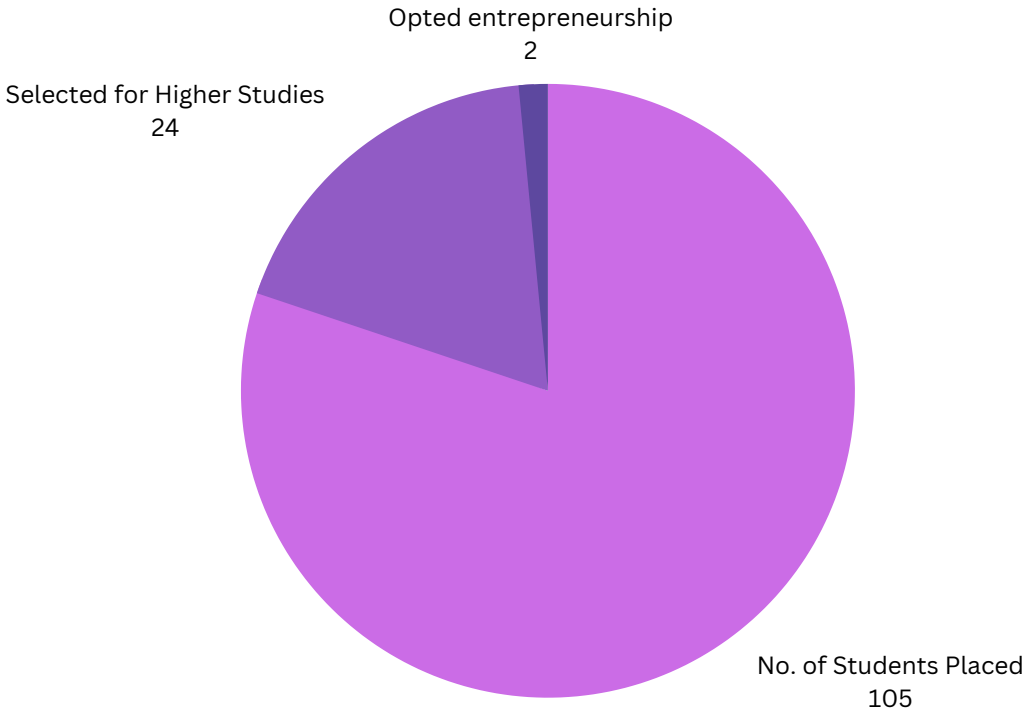
Mr. Ajay Krishnan IV year CS/A has published an article in Analytics Vidhya, a popular website for all things Artificial Intelligence. In this article, he has presented a high-level overview of how to train Neural Networks for large samples of data without labels.

Mr.Allen Manoj II CS/A has completed ”Strtup201 Student Partner(SSP) 3 program” organized by Startup 201 from 10/10/2020 to 10/07/2021.

Placement Achievements

PLACEMENT ACHIEVEMENTS

Year	Total No. of Students	No. of Students Graduated	No. of Students Placed	Selected for Hhigher Studies	Opted Entrepreneurship	Placement Ratio
2020-21	176	-	105	24	2	70.0



Alumni Interactions

ALUMNI INTERACTIONS

Mr. T. Vijay Sai (2018 Batch), Solution Engineer in Freshworks, London, acted as a judge for an online event named "One Case One Pitch" organised by the Association of Computer Engineers on 6th and 7th of November 2020.

Arjun Aravind (2020 Batch), Software Consultant, AjiraTech delivered a talk on Web Development in the Workshop titled KNOW-U 19th on 20-09- 2020.

Rakesh Elamaran (2020 Batch) ,IT Security Associate, ByteBlanket delivered a talk on Cyber Security, in the Workshop titled KNOW-U 19th and 20-09- 2020.

Kailash (2020 Batch), ML Engineer, Quantrium Tech delivered a talk on Machine Learning,in the Workshop titled KNOW-U 19th on 20-09- 2020.

Club Events

CLUB EVENTS

Association of Computing Machinery (ACM)

CO-ORDINATORS: Dr.R.Anitha, Mr T.Rajasekaran.

The 6th of August, 2020 marked the inauguration of the SVCE-ACM Student Chapter for the academic year 2019 – 2020. The Chief Guest for the event was Mr.L.Ashok, CEO of Futurenet Technologies, enlightened the audience on how industries are adapting to covid-19.

The Missing Semester was a hands-on workshop conducted by SVCE-ACM Student Chapter on the 17th and 18th of October.

SVCE-ACM Student Chapter in partnership with Yocket- a community driven online platform for international education, conducted a series of webinars for students who wish to study abroad. The webinars were conducted in the months of December 2020, February and March 2021

Rapid fire was a problem-solving contest conducted by SVCE-ACM-W Student Chapter for women from all years and departments of our college on 21.11.2020.

CLUB EVENTS

Association of Computer Engineers (ACE)

CO-ORDINATORS: Ms.G.Janakasudha, Mr.K.Srinivasan, Ms. R.Iyswarya

Mr Praveen Kumar Purushothaman, Full stack developer, Lead consultant at Virtusa, United Kingdom delivered a talk on "What's happening around the Tech community? Career & Studies!", 9th August 2020.

The Association of Computer Engineers of the Department of Computer Science and Engineering of Sri Venkateswara College of Engineering organised an online event on 29th and 30th August 2020 for both 2nd and 3rd years.

The Association of Computer Engineers of the Department of Computer Science and Engineering of Sri Venkateswara College of Engineering conducted an online coding battle-K.ODE for the 2nd and 3rd-year students on the 10th and 11th of October 2020.

The Association of Computer Engineers (ACE) of the Department of Computer Science and Engineering of Sri Venkateswara College of Engineering conducted an online event named One Case One Pitch on 6th and 7th of November 2020 opened to the students of 2nd and 3rd years.

CLUB EVENTS

KNOW-I Club

CO-ORDINATORS: Dr.K.S.Gayathri, Ms.T.Padmavathy

The first event conducted by the club on 2020-21 was UNRAVEL. The event was conducted on 14th August,2020 on Hackerearth.

KNOW-U, a workshop was conducted by KNOW-I club via Google Meet on 19th and 20th September, 2020.

Compete to Compute

CO-ORDINATORS: Ms.P.Vinothiyalakshmi and Mr.P.Selvamani

'Resume, Portfolio and LinkedIn networking'- Resume preparation and portfolio discussion, conducted on 23rd August 2020.

'Sudo su Entry-level test'- Coding contest for new comers conducted on 27th September 2020.

United Intelligence Club

CO-ORDINATORS: Dr.R.Anitha, Ms.P.Vinothiyalakshmi and Mr.C.S.Sanoj

Four days training Programme on "IoT and Machine Learning" from 9th - 12th, March, 2020 for the students Department of Automobile and Mechanical Engineering.

CLUB EVENTS

SVCE CYBER HUB

CO-ORDINATORS: Mr.K. Kumanan, Mr.M.Suresh Kumar

CYBE-NAR

SVCE Cyber Hub has organized “CYBE-NAR” a 4 days webinar series started from 11/07/2020 to 14/07/2020; the main objective of that webinar was to bring awareness to the domain of Cyber Security and Networking. The webinar was conducted by our very own alumni. More than 245 students were participated on 4 days of the webinar and gained more knowledge in Cyber Space and Networking

CLUB EVENTS

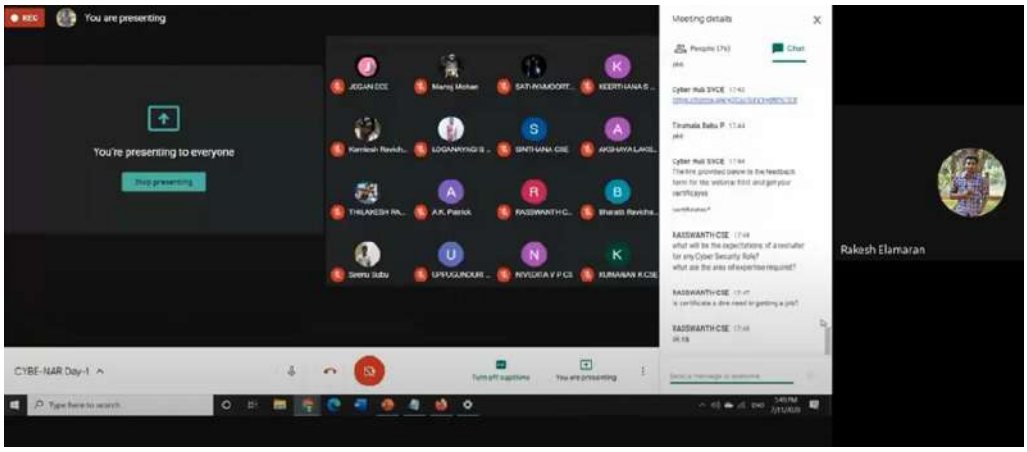
SVCE CYBER HUB

CYBE-NAR

DAY-01

The host for Day-1(11/07/2020) of CYBE-NAR was Mr. Rakesh Elamaran. He was our college alumni and he addressed the topic " Grow your career in Cybersecurity". He is a Security Researcher at ByteBlanket and he is also the founder of SVCE Cyber Hub.

The event was started at 5:00 PM IST with a welcome speech given by the Secretary of the club Ms. Sowmya Kulesh, she spoke a few words about the event and the club. After that, the Chief Guest, the Head of the Department of Computer Science and Engineering Dr. R. Anitha gave a brief speech and also spoke a few words about Mr. Rakesh Elamaran. Then the presentation of Mr. Rakesh Elamaran started and went on till 6:10PM IST.



CLUB EVENTS

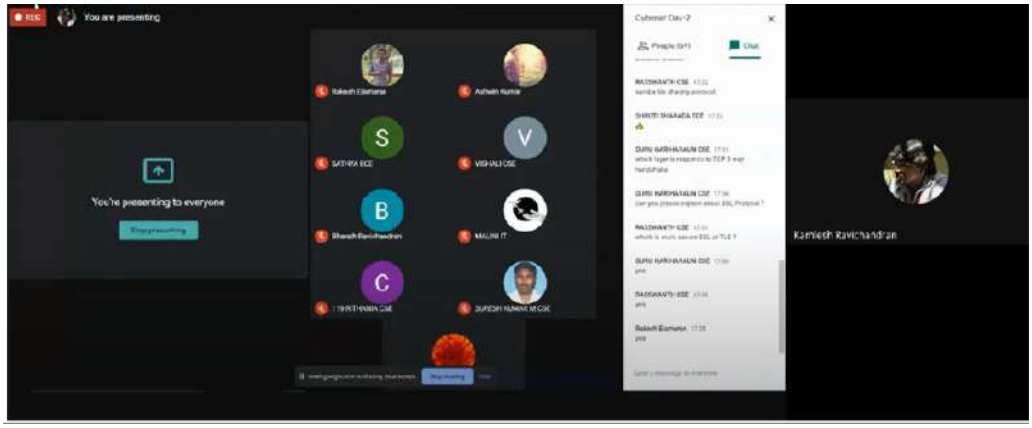
SVCE CYBER HUB

CYBE-NAR

DAY-02

The host for Day-2 (12/07/2020) of CYBE-NAR was Mr. Kamalesh BR. He was our college alumni and he addressed the topic “Introduction to Computer Networks”. He is an Associate Quality Analyst Software Engineer at Extreme Networks.

The event was started at 5:00 PM IST with a welcome speech given by the Secretary of the club Ms. Sowmya Kulesh, she spoke a few words about the event and about Mr. Kamalesh B.R. Then the presentation of Mr. Kamalesh BR started and went on till 6:30 PM IST.



CLUB EVENTS

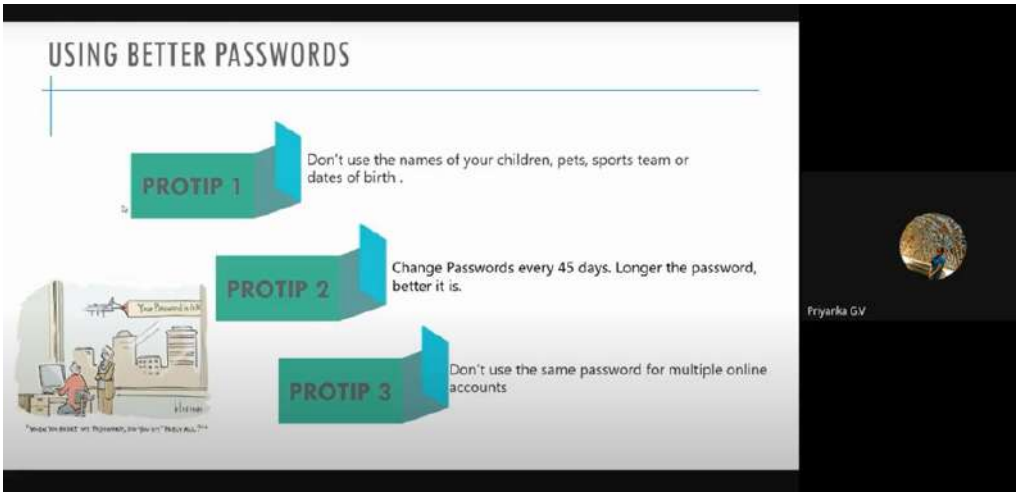
SVCE CYBER HUB

CYBE-NAR

DAY-03

The host for Day-3 (13/07/2020) of CYBE-NAR was Ms. Priyanka GV. She was our college alumni and she addressed on the topic “Basics of Cyber Security - How to Protect oneself online”. She is a Technology Risk Analyst at EY.

The event was started at 5:00 PM IST with a welcome speech given by the Secretary of the club Ms. Sowmya Kulesh, she spoke a few words the event and about Ms. Priyanka GV. Then, the presentation of Ms. Priyanka GV was started & went on till 6:30 PM IST



CLUB EVENTS

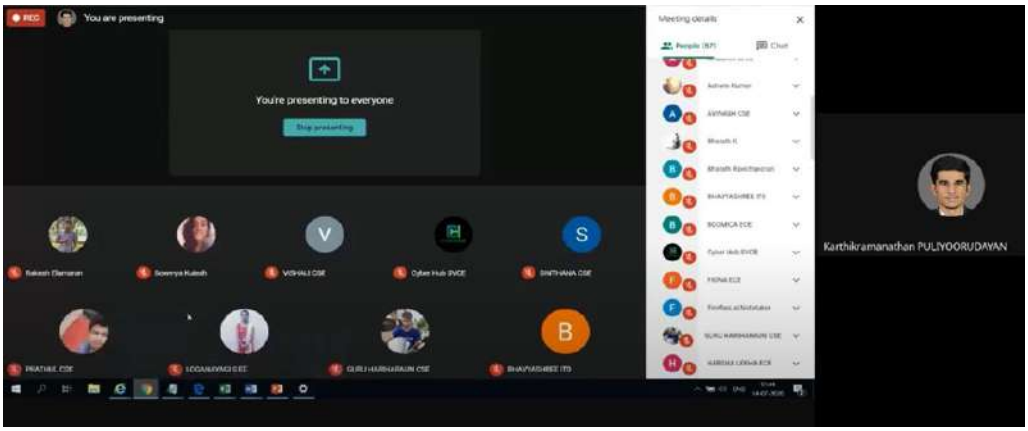
SVCE CYBER HUB

CYBE-NAR

DAY-04

The host for Day-4 (14/07/2020) of CYBE-NAR was Mr. Karthik Ramanathan. He was the guest speaker for the day and he addressed the topic “Holistic view on Cyber Security- Introduction, Breaking myths, what’s happening in the industry”. He is working as a lead for product security at Valeo R &D.

The event was started at 5:00 PM IST with a welcome speech given by the Secretary of the club, Ms. Sowmya Kulesh, who spoke a few words about the event and Mr.Karthik Ramanathan. Then the presentation of Mr. Karthik Ramanathan started and went on till 6:00 PM IST.



CLUB EVENTS

SVCE CYBER HUB

CYBE-NAR

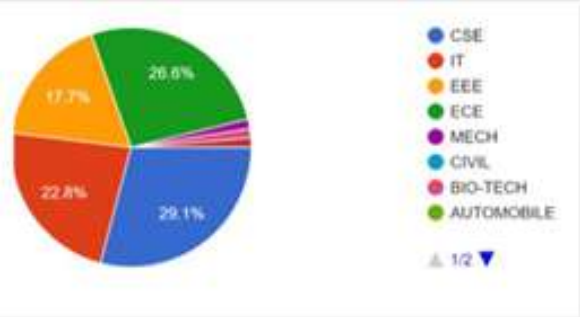
Feedback from Speakers

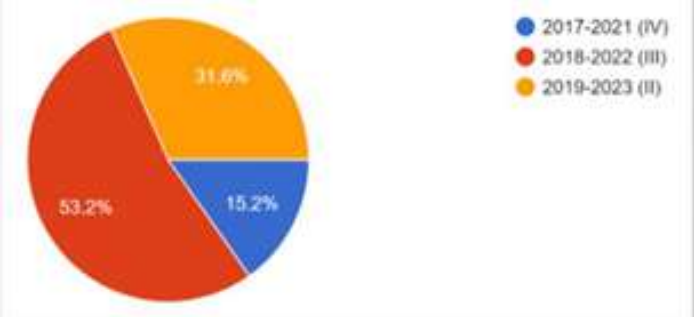
Everything was good. Keep delivering Quality Content to Students and help them to explore more.
-Rakesh E

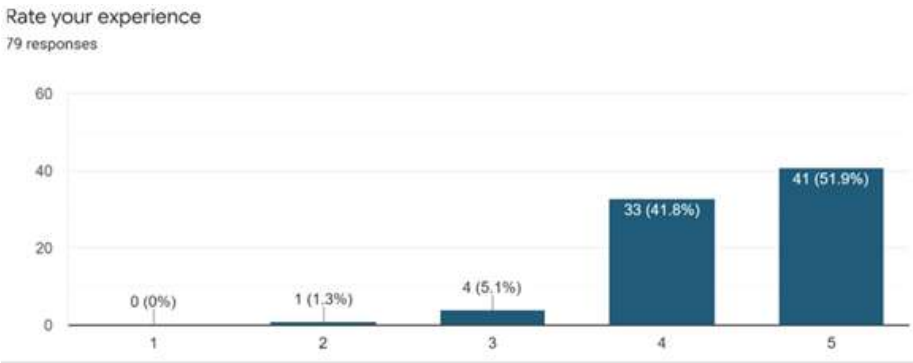
Good Job Guys!! Keep it up!.
-Priyanka G V

Good initiative. Wishes to the SVCE CyberHub team and everyone. Keep doing the good work which will benefit the studnets
-Karthik Ramanatha

Feedback from Students
Day- 01





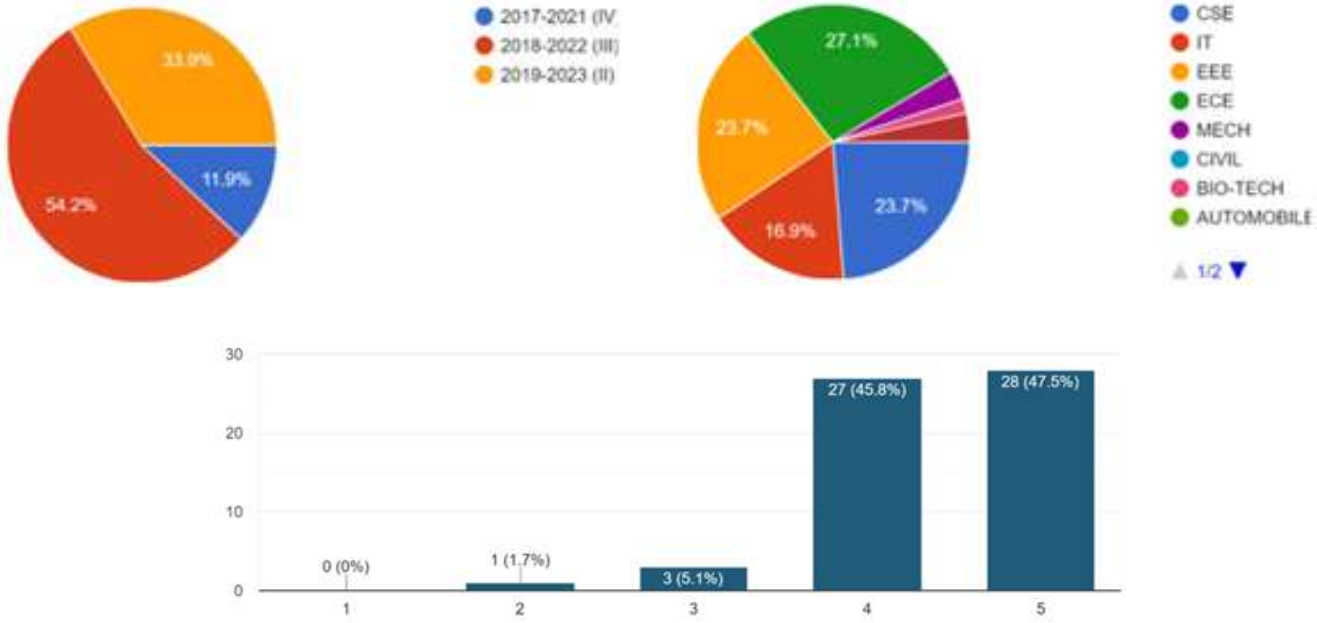


CLUB EVENTS

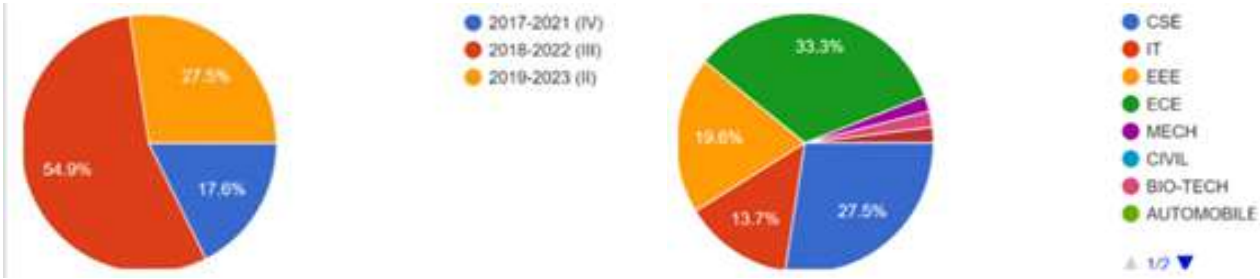
SVCE CYBER HUB

CYBE-NAR

Feedback from Students
Day- 02



Feedback from Students
Day- 03

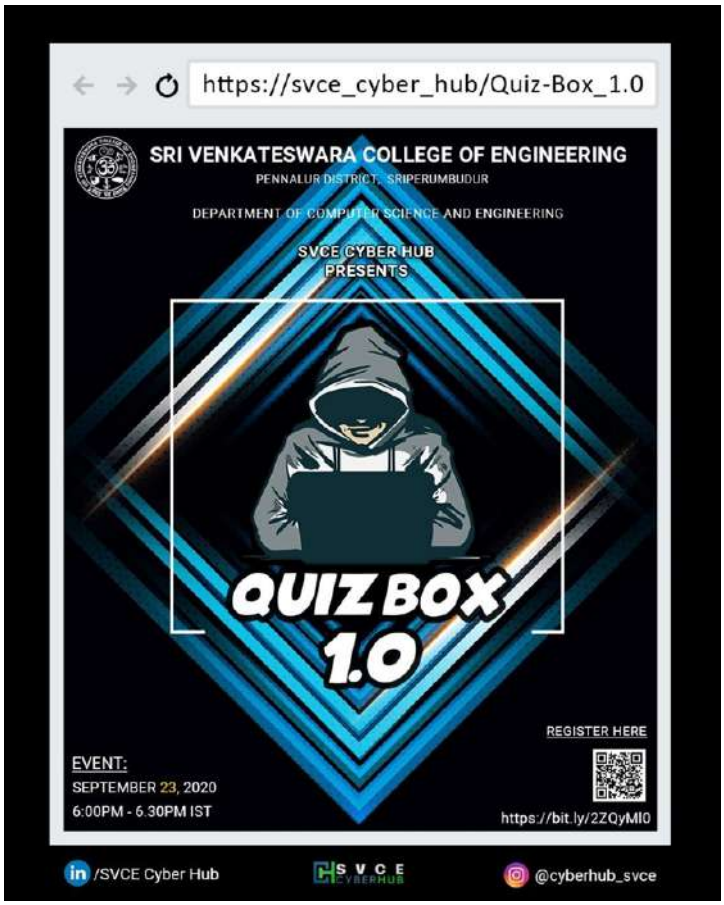


CLUB EVENTS

SVCE CYBER HUB

QUIZ-BOX 1.0

SVCE Cyber Hub organized an ultimate cyber security quiz "QUIZ-BOX 1.0" for SVCE students to test out their knowledge on cyber security and networking. The event was dated 23/09/2020 at 6:00 PM – 6:30 PM IST. The first round was conducted via Google Form and more than 30+ students have participated. There were a total of 2 rounds, upon the qualification of which the participants can move on to the final round.



CLUB EVENTS

SVCE CYBER HUB

QUIZ-BOX 1.0

Winners of Quiz-Box 1.0

The effort and enthusiasm on the student's side have made the event a grand success and SVCE Cyber Hub applaud their talent by providing a Certificate of Recognition Also, SVCE Cyber Hub was generous to provide winners with the CompTIA Network+ N10-007 study material and a few useful sites to learn Cybersecurity and ethical hacking.

The stakes are higher, the competition is tougher, and the title is within sight! After filtering out the students based on their marks, 6 students were qualified for the final round. The finals were conducted on 25/09/2021 (Friday) at 6:00 PM – 6:30 PM IST via Google Form.

Name	Place	Year	Department	Section
Dharshan. V	1st	III	Information Technology	B
Soundharya. G	2nd	III	Computer Science Engineering	C
Yukesh Kumar. S	3rd	II	Electrical Communication Engineering	C

Faculty Achievements

RESEARCH SUPERVISORS

Dr. R.Anitha

Dr. J.M.Gnanasekar

Dr. C.Jayakumar

Dr. N.Rajeswari

RESEARCH ACTIVITIES

- Research centre status of the department: Recognized as a research centre on 28 January 2010. Recognition renewed up to December 2021.
- Number of faculty in the Department : 39
- Number of faculty with Ph D qualification : 10
- Number of faculty pursuing Ph D : 11 (SVCE research centre - AU) +5 (External)
- Number of supervisors: 4
- Number of research scholars (FT/PT) in the department research centre: 15

FUNDED PROJECTS

Sl. No	Project Title	Amount	Duration	Agency	Principal Investigator	Status
1.	Intelligence Computing for Big Data Analytics using Machine Learning & Deep Learning Methods	Rs.11 lakhs	2 years	All India Council for Technical Education MODROB	Dr R.Anitha,Professor and Head/CSE	Approved -Ongoing

Memorandum of Understanding (MoU)

Organisation with which MoU is signed	Year of signingMoU	Duration	Faculty Incharge	Nature of MoU
Cameo Corporate Services Limited	2020	24 Months	Dr. R. Anitha,Professor and Head/CSE	Software Development on Robotic Process Automation(RPA) / Consultancy Work

Publications Details

Publications in Journal

- Muralidharan C, Mohamed Sirajudeen Y, **R. Anitha**, “Patient Report Analysis for Identification and Diagnosis of Disease”, Machine Learning for Healthcare – Handling and Managing Data, CRC Press- Taylor and Francis, pp. 129- 158, 2020. (ISBN 9780367352332) https://www.routledge.com/Machine-Learning-for-Healthcare-Handling-and-Managing-Data/Agrawal-Chatterjee-Kumar-Rathore-Le/p/book/9780367352332

- Sanjit Kumar R, Shrivatson R G, Rishi Priyan S, **Padmavathy T**, "Personality Prediction using Twitter Data",in International Research Journal of Engineering and technology,July 2020 Vol.7,Issue.7,pp.4878 - 4882.

Publications in Conferences

- Balaji.J, Aakash.D, Damodharan.R, **Padmavathy.T , Anitha.R**, presented a paper titled " BAD Cipher: A Novel Improvement of Cryptographic Method – Amalgamation of Cipher Block Chaining, Modern Caesar Cipher Algorithm, One Time Pad“, in the Virtual Conference on Artificial intelligence, Network security, Data science and iOt (National Level) VCANDO – 2020 organized by Department of CSE, Velammal Engineering College held on 7th Aug 2020 & 8th Aug 2020.

FACULTY PARTICIPATION

Dr.R.Anitha Professor and Head, Organized workshop on "How Industries are adapting to Covid 19" on 06.08.2020, under SVCE ACM Student Chapter

Dr. R. Anitha Prof./CS, Mrs. S. Poorani, Mrs. S.U. Muthunagai, Mrs. R.Iyswarya APs. /CSE organized a One Week Industry Oriented Online Short Term Training Programme on "Current Trends & Tools for Web Development" from 21st-25th July 2020.

Dr.R.Anitha Professor and Head, Organized workshop on "How Industries are adapting to Covid 19" on 06.08.2020, under SVCE ACM Student Chapter

Dr.P. Janarthanan, Associate Prof./CS, Dr C.Jayakumar and Dr.J.M.Gnanasekar Profs./CS organized a webinar titled " Deep Learning - Object Detection Deep Dive (Yolov3)" on 8th August 2020. The lecture was delivered by Mr.K. Deepak Raju Computer Scientist, Alpha Cloud Labs, Chennai

Dr K.S.Gayathri ASP./CS and Ms T. Padmavathy AP/ CS organized a Guest lecture on “Google Page Ranking” by Ms. Sangeetha Swaminathan, Site Reliability Engineer, Google, Greater Seattle Area, Washington, USA held on 25.07.2020at 4 :30 PM(IST).

Dr.P.Janarthanan,Assoc.Prof./CS, Mr.K.Srinivasan, Mr.P.Selvamani, Mr.M.P.Lakshmana Kumar,Asst.Prof. organized a Two day FDP titled "Recent Trends in Google Cloud" from 20-07- 2020 to 21-07-2020.

Dr. P.Janarthanan, Assoc.Prof., Mr.K.Srinivasan, Ms.R.Bhuvaneswari APs/CSE organized webinar on “Tips to Succeed in Workplace”.

Dr.P. Janarthanan, Assoc.Prof. organized a webinar titled " Full Stack vs Data Science " on 1st August 2020.

Dr.K.S.Gayathri Assoc.Prof../CSE and Ms T. Padamavathy Asst.Prof./ CSE organized a Guest lecture on ‘Google Page Ranking’ by Ms. Sangeetha Swaminathan, Site Reliability Engineer, Google, Greater Seattle Area, Washington, USA held on 25.07.2020 at 4 :30 PM(IST).

Ms. D. Sasikala, Mrs. S. SenthamizhSelvi Asst.Prof. organized a Webinar on “Women in Technology” on 10/09/2020

FACULTY PARTICIPATION

Dr. K.S.Gayathri Assoc.Prof../CSE and Ms T. Padamavathy Asst.Prof. organized a workshop on 'Know-U' on 19 Sep 2020 and 20 Sep 2020. About 60 students attended the workshop

Ms. S. Rajalakshmi Asst.Prof. , Ms. R. Bhuvaneswari, Ms. J. Buvana and Mr. A. Sowmyanarayanan Asst.Prof. organized a webinar titled "Mobile Appilication Development in 2020" on July 16, 2020.

Ms. S. Poorani, Ms. S.U. Muthunagai, Ms. R.Iyswarya, Mr. B. Praveen kumar APs/CSE organized a Webinar On "Developing Mobile Application with Xamarin" on 30.08.2020

Two day FDP on "Recent Trends in Google Cloud" organized by Dr. R.Anitha, professor and head of the Department of Computer Science & Engineering, Sri Venkateswara College of Engineering on 20 & 21
July 2020.

Mrs.J.Buvana Assistant Professor/CSE organized the webinar on "Mobile Application Development in 2020" conducted on 16.07.2020 by SVCE.

Mr.K.Srinivasan, Mr.T.Rajasekaran, Mr.P.Selvamani,Asst.Prof. organized a one day Webinar on" GraphQL "on 14-08-2020.

Mr.M.P.Lakshmana Kumar Asst.Prof., coordinated QUIZ-UP conducted by CSI-SVCE Student chapter on 16/11/2020.(at College level)

Dr. R. Anitha Prof./CS, Mrs. S. Poorani, Mrs. S.U. Muthunagai, Mrs. R.Iyswarya APs. /CSE organized a One Week Industry Oriented Online Short Term Training Programme on "Current Trends & Tools for Web Development" from 21st-25th July 2020.

CSE-BYTES

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NEWSLETTER

PREPARED BY

Dr. N. RAJGANESH, ASP/CSE
Mr. S. D. NANDAKUMAR, AP/CSE
Ms. R. POORNI, AP/CSE
Ms. P. KAVIYA, AP/CSE

CORE TEAM

NIYAS HAMEED R.F
AADESH VIJAYARAGHAVAN
THEJASWINI S.R
PAVADHARNI SHANMUGAM
SIBI MUGHIL T
SHRUTHIKA S
PRIYANKA ANANTH