

**SRI VENKATESWARA COLLEGE OF ENGINEERING (SVCE)
PENNALUR, SRIPERUMBUDUR-602117**

	Department of Computer Science & Engineering	 INSTITUTION'S INNOVATION COUNCIL <small>(Ministry of HRD Initiative)</small>	 ISO 9001:2015 Certified by IRQS  MGMT. SYS. RVA C 071
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**ANNUAL REPORT
2020-21**

OBJECTIVES:

The objective and the motto of the KNOW-I club is "Learning Today and Leading Tomorrow". Dr. K. S. Gayathri and Ms. T. Padmavathy, the faculty coordinators, the president of the club, Mr. J. Raahul Kalyaan along with the club members strived hard to achieve the goal by conducting various interactive events and research studies

CLUB MEMBERS:

- Raahul Kalyaan J-President
- Heera A R-Vice President
- Saiharshith K R-Vice President
- Pavitra Mohandas-Vice President
- Vishnupriya-Technical Lead
- Shruthakeerthy S-Senior Executive Member
- Shruti S-Senior Executive Member
- Bharath Vyas S-Senior Executive Member
- Dhivya C-Senior Executive Member
- Kavya Rajendran-Senior Executive Member
- Arvind Nachiyappan L-Senior Executive Member
- Priya Shrinithi R-Senior Executive Member
- Saihari G-Senior Executive Member
- Roshini A-Executive Member
- Naveen Sriram R-Executive Member
- Jeffry Joan-Executive Member
- Nihil Rengasamy T-Executive Member
- Madhumithaa M-Executive Member

- Keerthana S-Executive Member
- Vasanth V-Executive Member
- Shashwanth V-Executive Member
- Nivedita V P-Executive Member

2020-21 KNOW-I CLUB EVENTS:

INAUGURATION:

The inauguration of the KNOW-I club event was hosted on 25th July, 2020 via Google meet. It was attended by the HOD of the CSE Department, Dr. R. Anitha who encouraged the Club members with her motivating words. **Ms. Sangeetha Swaminathan, Site Reliability Engineer, Google, WA**, the chief guest of the event delivered a webinar on "Google Page Ranking" which was extremely informative and useful to the students.

UNRAVEL:

The first event conducted by the club on 2020-21 was UNRAVEL. The event was conducted on 14th August,2020 on Hackerearth. UNRAVEL is an online debugging event in which 91 students from the CSE department participated.

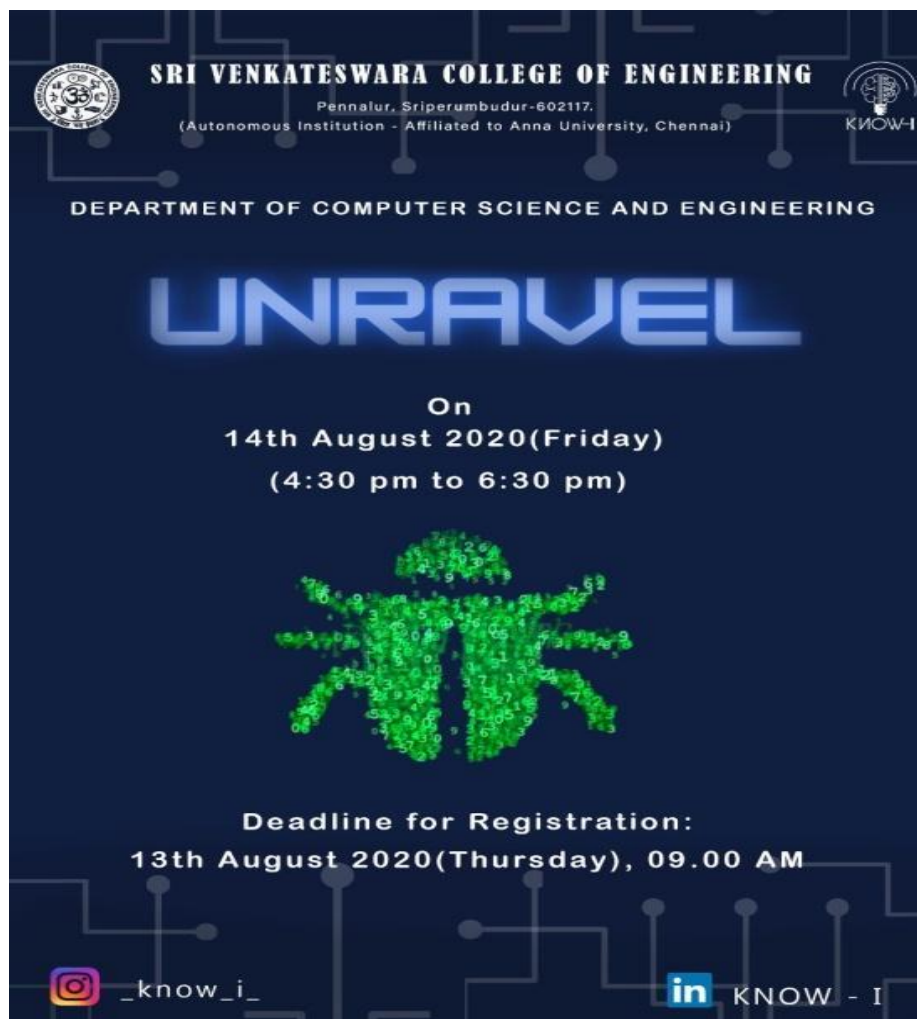
Winner : Aravind .R

1st Runner up:Shruti Srivatsan

2nd Runner up:Suraj Ram

3rd Runner up:Harshini.R.S

4th Runner up: Suchita Akkalaneni.



MINI PROJECT:

- The members of the KNOW-I club learned and applied their basic knowledge in Machine Learning via this event .
- Team 1 namely STRAWHATS - Bharath Vyas S, Naveen Sriram R and Sruthi S. The project given to them is WINE QUALITY. The completed project can be viewed using the link below:

<https://github.com/SRUTHI2000/WINE-QUALITY-ANALYSIS>

- Team 2 namely RAPTORS - Dhivya C, Roshini A and Shashwanth S .The project given to this team is HOUSING PRICE. The completed project can be viewed using the below link:

<https://github.com/dhivya2000/HousePricePrediction>

- Team 3 namely TITANIC - Saihari G, Priya Shrinithi R, Vasanth.V and Nivedita.V.P .The project given to this team is TITANIC. The completed project can be viewed using the link below:

<https://github.com/PriyaShrinithi/Titanic>

- Team 4 namely STEEP WALKERS - Aravind Nachiappan.L, Jeffrey Joan and Keerthana.S .The project given to this team is MOVIE RECOMMENDATION. The completed project can be viewed using the link below:

https://github.com/arvind-mocha/Movies_recommendation_system

- Team 5 namely INCREDIBLES - Shruthakeerthy S, Kavya Rajendran, Nihil Rengasamy T and Madumithaa.M .The project given to this team is IRIS DATASET. The completed project can be viewed using the link below:

<https://github.com/krithvi/iris-dataset>.

KNOW-U:

KNOW-U, a workshop was conducted by KNOW-I club via Google Meet on 19th and 20th September, 2020. 64 students from the CSE department registered for the workshop. The webinar helped the students understand the perspective about APP DEVELOPMENT, WEB DEVELOPMENT, CYBER SECURITY and MACHINE LEARNING domain.

Speakers:

Prem Raj, Final year student, ECE, SVCE - App Development



Arjun Aravind, Software Consultant, Ajira Tech - Web Development

Kailash S, ML Engineer, Qantrium Tech - Machine Learning

Rakesh Elamaran, IT Security Associate, ByteBlanket - Cyber Security

The poster features a blue grid background. At the top, it displays the SVCE logo and name: 'SRI VENKATESWARA COLLEGE OF ENGINEERING', 'Ponnalur, Sriperumbudur-602117', '(Autonomous Institution - Affiliated to Anna University, Chennai)'. Below this is the 'KNOW-I' logo and 'DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING'. The main title 'KNOW - U' is in large white letters, followed by 'INTERACTIVE WEBINAR' in yellow and 'ON 19TH AND 20TH SEPTEMBER 2020' in white. A circular portrait of Prem Raj is centered. Below it, his name 'PREM RAJ' is in yellow, followed by 'APP DEVELOPMENT' and 'FLUTTER DEVELOPMENT WORKSHOP' in white. A quote in yellow reads: 'FROM IMAGINATION TO A SENSATION APP DEVELOPMENT IS ALL ABOUT THE INNOVATION NOW JOIN THE FLUTTER NATION IT S A TECHIE CELEBRATION.' At the bottom, there are Instagram and LinkedIn icons with the handles '_know_i_' and 'KNOW - I'.


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



KNOW - U



INTERACTIVE WEBINAR
ON 19TH AND 20TH SEPTEMBER 2020



KAILASH S
MACHINE LEARNING
FUNDAMENTALS OF MACHINE LEARNING

"YOU'LL LEARN HOW TO MAKE MACHINES LEARN IN THIS SECTION
NOW THAT'S WHAT WE CALL A LEARN CEPTION!"


 _know_i_
  KNOW - I


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



KNOW - U



INTERACTIVE WEBINAR
ON 19TH AND 20TH SEPTEMBER 2020



RAKESH ELAMARAN
CYBER SECURITY
INTRODUCTION TO CYBER SECURITY

"WHITE RED OR BLACK BE THE COLOR OF THE HAT.
AREN'T WE ALL JUST A PART OF THE MR. ROBOT CAST?"

 _know_i_
  KNOW - I


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

KNOW - U

INTERACTIVE WEBINAR ON
19TH & 20TH SEPTEMBER, 2020

REGISTRATION CLOSED
THANK YOU FOR THE ENORMOUS RESPONSE

**SELECTED PARTICIPANTS
WILL GET NOTIFIED VIA
EMAIL VERY SOON**

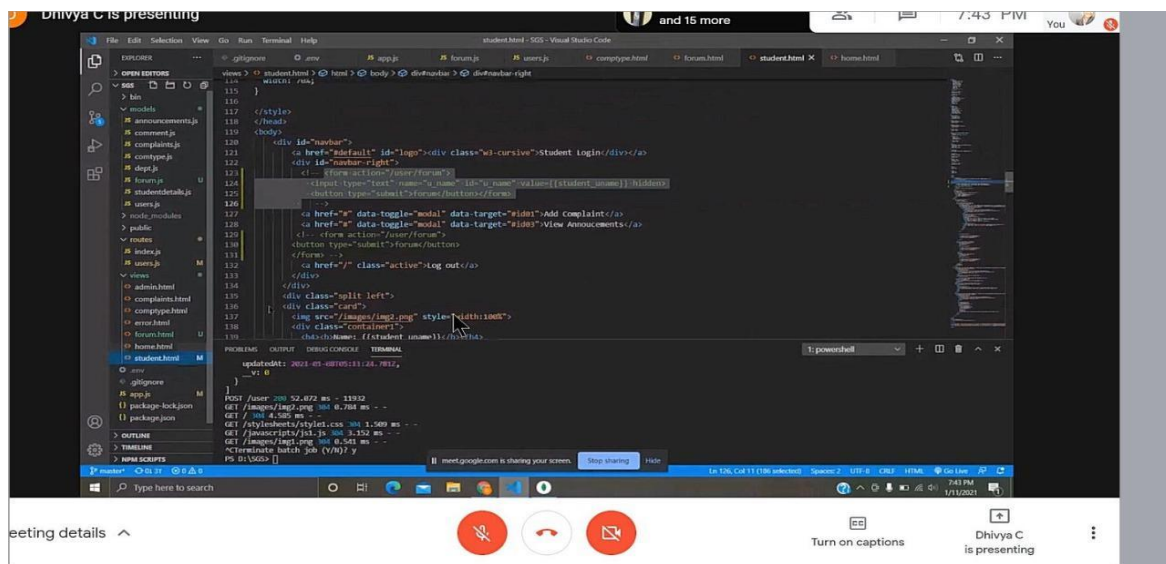
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PROJECT PRESENTATION:

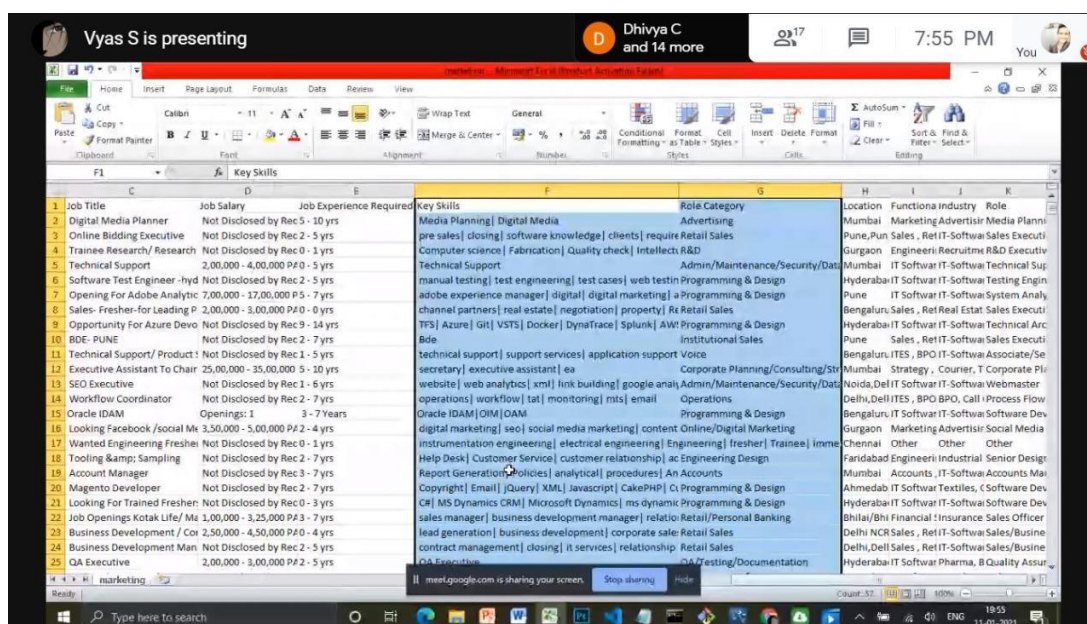
KNOW-I club members were given series of topics from the link below:

<https://www.sih.gov.in/sih2020PS/QWxs/U29mdHdhcmU=/QWxs/QWxs>

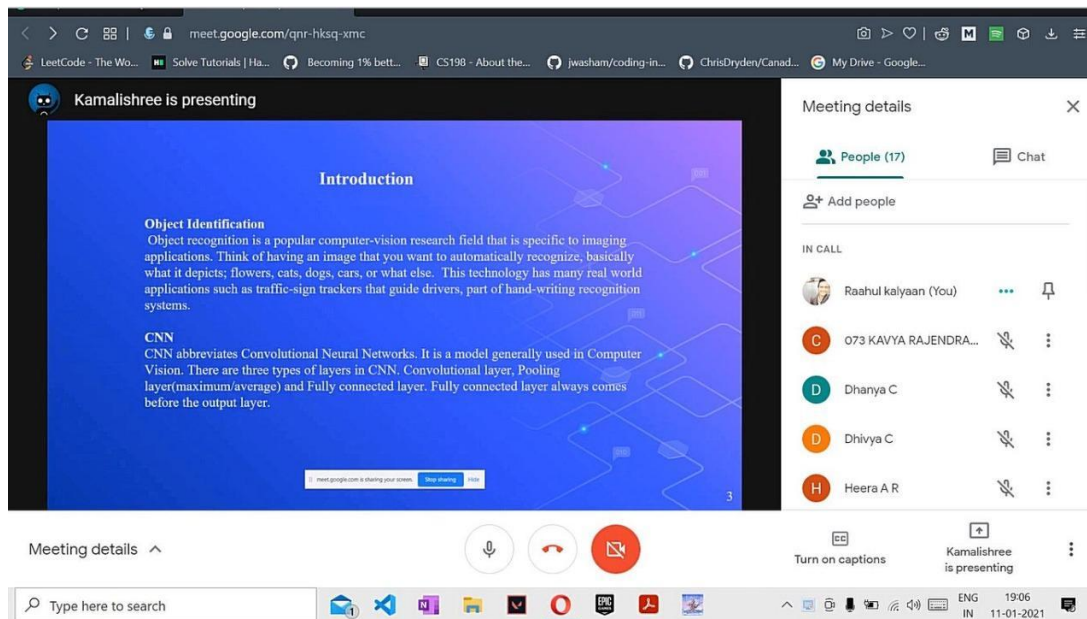
Team 1 - TECH PALS : Dhivya C, Harshini R S and Dhanya C. This team's problem statement is "Create a Student grievance support system" and their domain is Web Development.



Team 2 - THANA SENTHA KOOTAM : Arvind Nachiyappan, Bharath Vyas, Bharath and Sai Hari. Their domain is Smart Education and their problem statement is "Develop a scientific career counselling software".

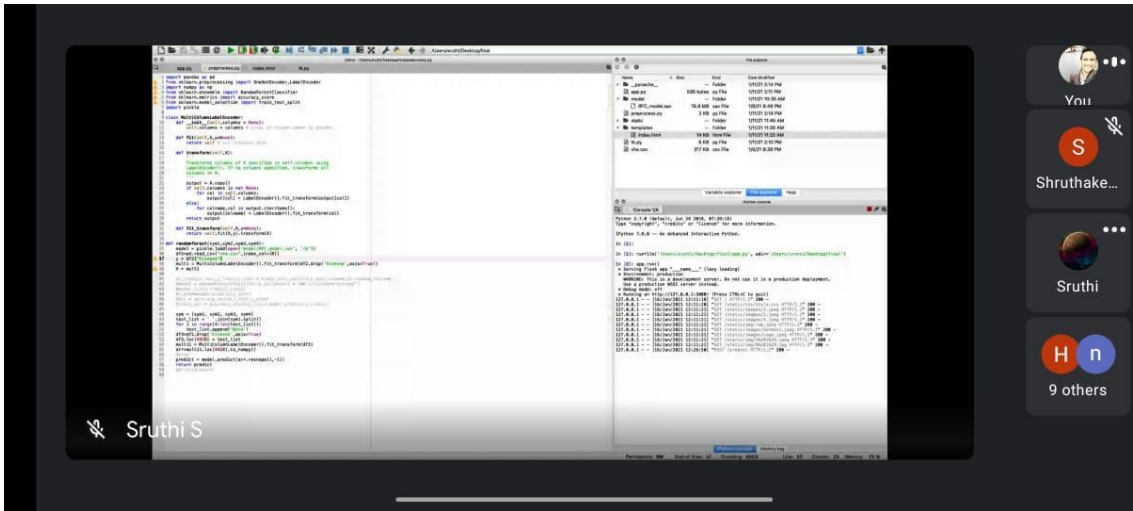


Team 3 - ASGARDIAN OF GALAXY : Priya Shrinithi, Niketha, Kamali and Kavya. Their problem statement is “Identify objects as a shopping aide for visually impaired” and their domain is health care. The project is aimed at developing a flutter application that opens with a camera. The user has to capture the picture of a grocery product which after getting captured is sent for prediction through the integrated API, predicts it and displays the result in the form of text. Software used are Tensor flow, keras, vgg 16,Flutter and Flask.

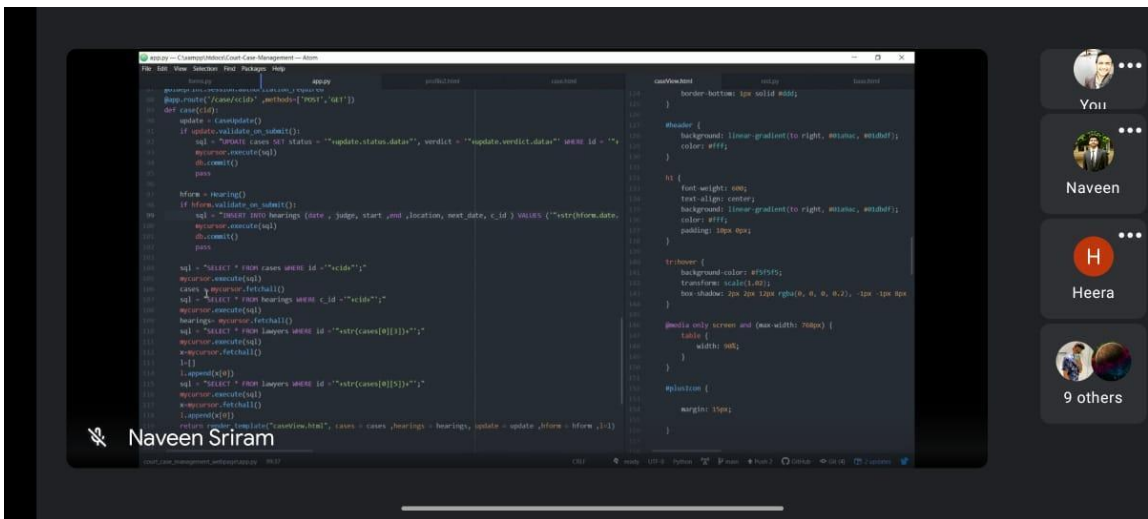


Team 4 - WINGARDIUM LEVIOSA : Madhumita, Roshini, Keerthana and Manjushree. This team’s problem statement is “Create an Alumni tracking system” and choice of domain is web development. This project aims to maintain and update alumni records and give an environment to the alumni members to interact. Software used for front end are html, css, js, bootstrap and backend are mysql and php

Team 5 - INTERNET EXPLORERS : Shruthi, Shruthakeerthy, Nihil and Niveditha. Their problem statement is “Create a virtual health assistant” and their domain is health. This team created a Disease prediction system such that given symptoms as input from the user, this ML model predicts the disease and it's description with the precautions to be taken. Software used for front end are HTML,CSS Static website and backend is Flask



Team 6 - CHENNAI SHARKS : Naveen Sriram, Jeffrey Joan, Poujith and Nikhilesh. This team’s problem statement is “Create a Court case management system” and choice of domain is web development. The project is a court case management system with the facility to select lawyers from a pre-existing list. Software used for this project are Flask (python), bootstrap/CSS , MySQL .



Team 7 - TECH SQUAD : Shashwanth, Vishal, Shivane Ramesh and Allen Manoj. Their problem statement is “Track e-waste” and their domain is web development.

Team 8 - ML CLUB have Vasanth, Sathyavarathan, Dhivyadharishini and Athishree. This team’s problem statement is “Remove barriers in health care services” and choice of domain is machine learning.

FRONT-END FEST:

Front-end fest is a web development based front-end Hackathon that involves participants making a basic front end website of required objectives within a span of half a day. This event was conducted on Feb 16th 2021 between 9:00 a.m to 5 p.m evening.

Evaluation of the event is based on three aspects that is ranked for each participation

- Innovative usage of code
- Readability of code
- Quality of UI/UX

Winners of the event:

1 st place: Server Monks

Aarshik B

Jegan K

Suraj S K

2 nd place: Chennai Sharks

Mu Poujhit

IDEA JAM 2021:

Overall, 32 teams registered for the event IDEA JAM 2021 from 2nd and 3rd years of various departments. After sending problem statements, 18 teams confirmed their entry, from which only 13 teams turned up for the event. They have put great efforts for the given big problem statements.

The judges were **Kailash S, ML Engineer, Quantrium Tech Private Limited and Ragasudha M, Associate Consultant, Informatica** who judged the teams very well by asking them relevant and eye opening questions and guided them in the right way. They also sent the score sheets the same day and declared 3 winners.

The event Know - I team consisting of 6 members co-operated very well and the event was smoothly planned. On the whole the event went very well and the feedback about the event also turned out to be very good.

"It was really nice. Good to see students putting serious efforts irrespective of results. Problem statements were also good" was the feedback given by Kailash.S. Ragasudha M showed her appreciation by saying that "The event was amazing! It was a great experience for me too.Also, it felt good to be a part of college after a long time".

Winners of the event:

1st place: Team 17

S K Hari Keshav 3rd year ECE A

Buvanesh S 3rd year ECE A

Shruti Srivatsan 3rd year CSE C

2nd place: Team 11

Shivaneer Ramesh 2nd year CSE C

Sadana U 2nd year CSE C

Srilekha Y 2nd year CSE C

3rd place: Team 20

Surajram S 3rd year CSE C

VALEDICTORY:

The valedictory of the KNOW-I club event was hosted on 15th May, 2021 via Google meet. It was attended by the HOD of the CSE Department, Dr. R. Anitha who encouraged the Club members with her motivating words. **Mr. Saisubramanian GopalaKrishnan, Research Engineer, Machine Intellection Department, Institute for Infocomm Research, A*STAR Singapore**, the chief guest of the event delivered a webinar on “Continual Learning” introducing the concept and different approaches published by the research community which was extremely informative and useful to the students.