

# sket DIGEST

# 28 FEBRUARY - 04 MARCH 2022 SPECIAL ISSUE - 92

#### EDITOR - IN - CHIEF

Dr V Sreevidya, Principal

#### EDITORIAL TEAM

Ms S Soundarya, CSE Ms S Thenmozhi, ECE Ms B Pavithra, S&H



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# STUDENTS' PARTICIPATIONS







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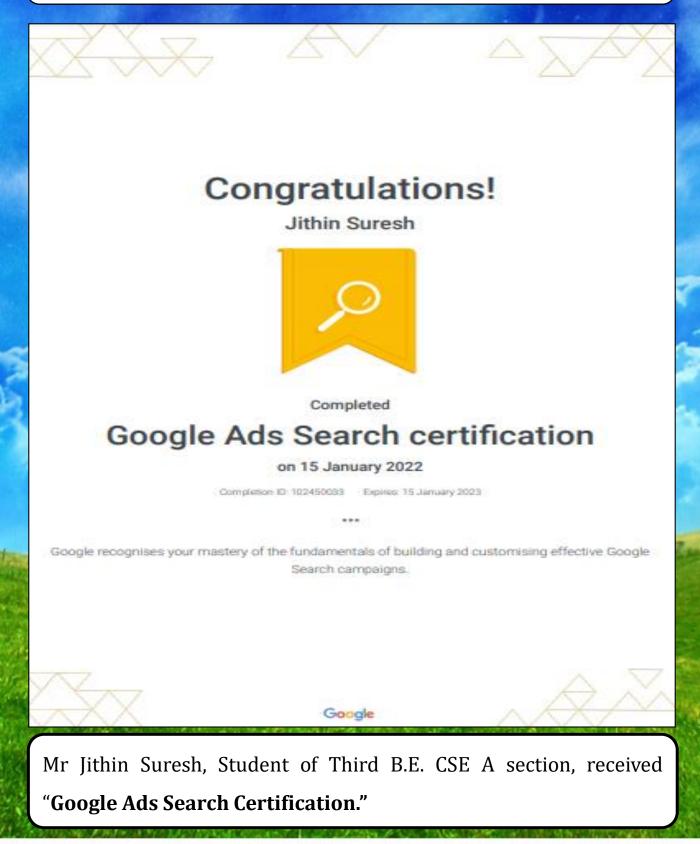
#### CIVIL | STUDENT ACHIEVEMENT | VISAI-INTERNATIONAL PROJECT COMPETITION



Mr Sampruth Pirabakaran, Student of Final B.E. Civil Engineering, has been shortlisted in "**VISAI-2022 International Project Competition"** on Artificial Wetlands for Cost Effective Wastewater Treatment in Rural Areas. Mr Aravind T P A, Asst. Professor, Dept. of Civil Engineering, mentored the student.

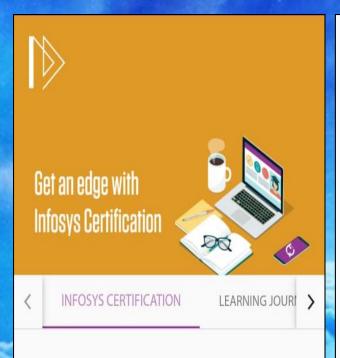
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#### CSE | STUDENT ACHIEVEMENT | GOOGLE ADS SEARCH CERTIFICATION



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#### CSE | STUDENT ACHIEVEMENT | INFOSYS INFTQ CERTIFICATION



#### Infosys Certification

Infosys Certification is a technology accreditation that endorses your industryreadiness and enables you to build a career of your choice. The examination process for Infosys Certification will test your knowledge in programming and databases. On clearing the examination, you will get an option to earn a pre-placement interview opportunity for the niche technical roles at Infosys or to appear in a technical interview for the Systems Engineer Role and become an Infosys Certified Software Programmer. language (Java/Python) for the Certification Round

- 3. Complete the recommended learning journey to gain a headstart in your preparation for the examinations
- 4. Check your system compatibility here to appear for the Infosys Certification examination
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Congratulations, you have cleared the Certification Round! You are now eligible for appearing in the Advantage Round of Infosys Certification.

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Read the FAQs if you have any queries or write to us at infytq@infosys.com.

**IMPORTANT:** If you are found indulging in malpractice, including but not limited to appearing for multiple certification exams using different or fake credentials, at any stage of the Infosys Certification program, Infosys will invalidate your certification and job offer with immediate effect.

Mr Aakash Kumar J, Student of Third B.E. CSE A section, received **"INFTQ Certification"** from Infosys.

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IT | STUDENT ACHIEVEMENT | MR.TAMILNADU, STATE LEVEL BODY BUILDING & PHYSIQUE CHAMPIONSHIP



Mr R Dinesh Kumar, Student of Third B.Tech., secured the Fifth Place in "**Mr. Tamil Nadu, State Level Body Building & Physique Championship"** organised by Thiruvallur District Physique Alliance on 27 February 2022.

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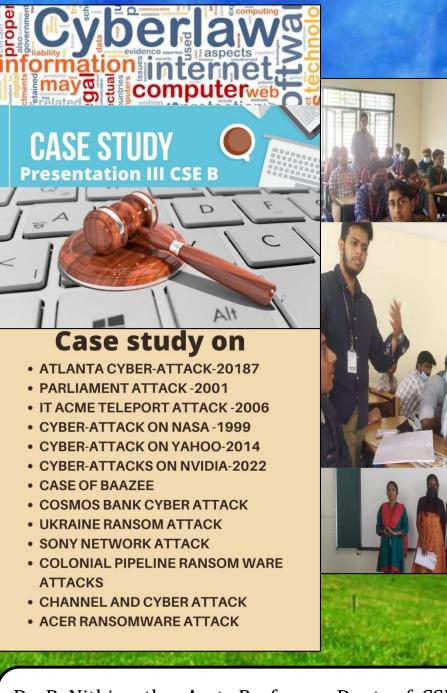
#### SoM | STUDENTS' ACHIEVEMENTS | NATIONAL VOTER AWARENESS QUIZ



The Students of First MBA participated in **"National Voter Awareness Quiz Contest"** organised by Election Commission of India on 26 February 2022.

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CSE | STUDENT PARTICIPATION | CASE STUDY PRESENTATION



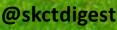
Dr R Nithiavathy, Asst. Professor, Dept. of CSE, organised a Case Study Presentation on "**Cyber Law and Ethics**" for the Students of Third B.E. CSE C section.



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# FACULTY PARTICIPATIONS







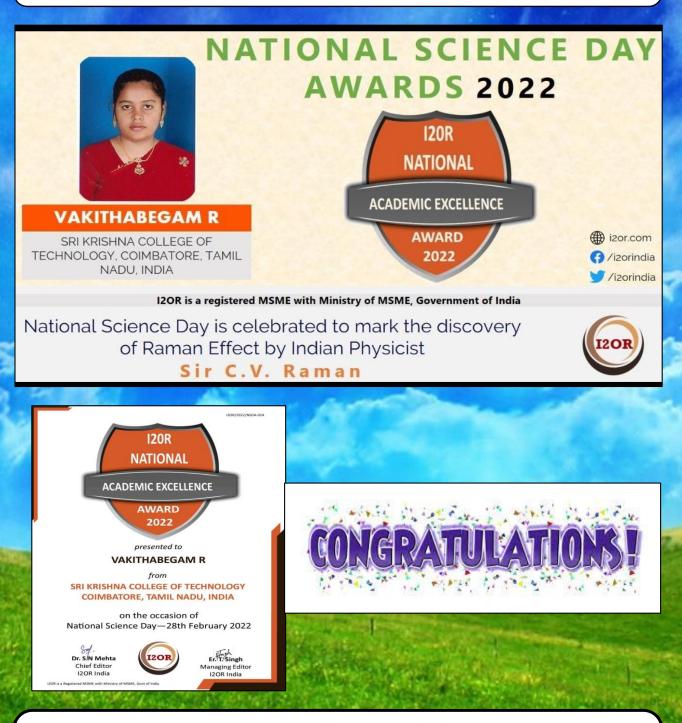
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#### S&H | FACULTY ACHIEVEMENT | ACADEMIC EXCELLENCE AWARD



Ms R Vakithabegam, Asst. Professor, Dept. of S&H, received **"I2OR** National Academic Excellence Award" on 28 February 2022.

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#### SoM | FACULTY ACHIEVEMENT | BEST RESEARCH PAPER PRESENTATION

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2 <sup>NI</sup>	INTERNATIONA	L CONFERENCE O	N N
THE EMERGIN	G TECHNOLOGIE	S IN COMPUTING	G (ICETC - 2022)
	24th & 25th February 202	2   Virtual Conference	
	This is to o	certify that	
	Dr. P. Shan	<mark>mug</mark> ha Priya	
	has presented his/her	research paper titled	
A Study on	Shift in Consumer Behavior towards I	Internet Banking Services during Pre &	Post COVID
		H PAPER PRESENTATION	
	Organized by Brainware Univ	versity, Kolkata, West Bengal	
	held on 24th & 25th February	2022 at Virtual Conference.	(FERP)
Sambip Roy-	Rojeah Base.	Jankas Gangopadhy.	
Dr. Sandip Roy Associate Professor and HOD Department of Computational Science Brainware University Kolkata, Viest Bengal	Dr. Rajesh Bose Associate Professor Department of Computational Science Brainware University Kokata, West Bengal	Prof. (Dr.) Sankar Gangopad Vice Chancellor. Brainware University Kokata, West Bengal	hyay Mr. Rudra Bhanu Satpath CEO & Founder Institute For Engineering Research and Publication (IFERP)

Dr P Shanmugha Priya, Assoc. Professor, School of Management, received the "**Best Research Paper Presentation Award"** in an International Conference on the Emerging Trends in Computing (ICETC) 2022 by Brainware University, Kolkata, West Bengal during 24-25 February 2022.

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#### S&H | FACULTY PARTICIPATION | PAPER PRESENTATION IN INTERNATIONAL CONFERENCE



Dr V Parimala, Ms P Sheeba Ranjini, Ms K Shanthi and Mr S Karthik, Asst. Professors, Dept. of Science and Humanities, presented a paper on **"A Novel Approach of an Integrated Effect towards Various Atmospheric Parameters on Electromagnetic Microwave Signal by Mean Line Estimation"** in AICTE sponsored International Conference on Communication and Computing Technologies for Sustainable Development during 25-26 February 2022.

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#### **S&H | FACULTY PARTICIPATION | PAPER PRESENTATION IN INTERNATIONAL CONFERENCE**



Dr. K. Srinivasan Organizing Chair

Dr. G.M. Tamilselvan General Chair

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Dr. V. Sreevidya Principal

...of

Principal

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Dr A Jafersadhiq, Assoc. Professor, School of Management, presented papers on **"A study on Impact of Digital Marketing on Consumer Buying Decision at Coimbatore District," "Consumer Buying Behavior of Millennial"** and **"Impact of Digital Marketing on Consumer Behavior"** organised by Sri Krishna College of Technology, Coimbatore during 25-26 February 2022.

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#### **SoM | FACULTY PARTICIPATION | PAPER PRESENTATION IN INTERNATIONAL CONFERENCE**

#### NEHRUARTS AND SCIENCE COLLEGE (An Autonomous Institution affiliated to Bharathiar University) (Reaccredited with "A" Grade by NAAC, ISO 9001:2015 & 14001:2004 Certified Recognized by UGC with 2(f) & 12(B), Under Star College Scheme by DBT, Govt. of India) "Nehru Gardens", Thirumalayampalayam, Coimbatore - 641 105, Tamil Nadu.

#### SCHOOL OF MANAGEMENT

INTERNATIONAL E-CONFERENCE ON NEW TRENDS AND CHALLENGES IN BUSINESS MANAGEMENT AND INNOVATION

e-certificate

This is to certify that

P. MAYILRAJAN

**SRI KRISHNA COLLEGE OF TECHNOLOGY** 

has participated and presented a paper entitled

CHILD ABUSE AWARENESS AND ITS IMPACT

in One Day INTERNATIONAL E-CONFERENCE ON NEW TRENDS AND CHALLENGES IN BUSINESS MANAGEMENT AND INNOVATION held at Nehru Arts and Science College, Coimbatore on 10th February 2022.







Mr P Mayilrajan, Asst. Professor, School of Management, presented a paper on **"Child Abuse Awareness and Its Impact"** in a one-day International E-Conference organised by Nehru Arts and Science College, Coimbatore on 10 February 2022.



Scopus'

# RESEARCH









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#### **CSE | FACULTY ACHIEVEMENT | PAPER PUBLISHED**

#### Published: 25 February 2022

#### Improving the security of medical image through neurofuzzy based ROI selection for reliable transmission

<u>K. Balasamy</u> <sup>[2]</sup>, <u>N. Krishnaraj</u> & <u>K. Vijayalakshmi</u>

Multimedia Tools and Applications (2022) Cite this article 6 Accesses Metrics

Abstract

Lately, medical service area has developed quickly with its own advantages and disadvantages. In this computerized time, giving exact determination in the carefully communicated clinical pictures is at more serious dangers. This paper presents the watermarking method for medical images that should resists for various kinds of attacks. Firstly, our method identifies the region of interest for extracting the high intensity energy levels in the medical image. Wavelet decomposition is done to the identified region in order to extract the sub-bands for embedding. Singular values obtained from SVD decomposition helps in identifies the matrix and singular values of the medical image. Finally, validation code is generated for authenticating the medical image from both sender and receiver side, in order to track any region of the image being tampered through intruders. Our proposed method shows better accuracy in testing the robustness of the image.

Dr N Krishnaraj, Asst. Professor, Dept. of CSE, published a paper on "Improving the Security of Medical Image through Neurofuzzy Based ROI Selection for Reliable Transmission" in SCI Springer Multimedia Tools and Applications. https://link.springer.com/article/10.1007/s11042-022-12367-4.

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#### **CSE | FACULTY ACHIEVEMENT | PAPER PUBLISHED**

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#### Cloud-Based Biometric-Enhanced ATM Powered by Deep Learning

Authors

Authors and affiliations

R. Vidhya, S. Gokila

Conference paper First Online: 01 January 2022

Part of the EAI/Springer Innovations in Communication and Computing book series (EAISICC)

#### Abstract

Automatic teller machines (ATMs) are the most common way to withdraw cash from a user's account. It offers a quick and convenient way to access one's funds. However, the technology used to authenticate the user and authorize the transaction has somewhat remained unchanged. The advances in computer vision technologies have made it reliable than ever before. Utilizing these computer vision-based technologies combined with fingerprint-based authentication-based technologies in ATMs makes the system fool-proof and robust. With an additional eye watching over, the user can carry out the transaction in complete confidence.

#### Keywords

Dr R Vidhya, Asst. Professor, Dept. of CSE, published a paper on "Cloud-Based Biometric-Enhanced ATM Powered by Deep Learning" International Conference Computing, in an on Communication, Electrical and Biomedical Systems. Published in EAI/Springer Innovations in Communication and Computing Book 978-3-030-86164-3D0I: (EAISICC). Series Print ISBN <u> https://doi.org/10.1007/978-3-030-86165-0\_12</u>



# ALUMNI INTERACTION



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#### **CIVIL | ALUMNI INTERACTION**



Mr Dharshan, Mr Gopinath, Mr Beno Domnic and Mr Thenadhyalan, Alumnus (Batch 2017-2021), shared their experience and GATE Preparation etc. on 25 February 2022.

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# **NEW VISTAS OF** LEARNING



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#### CIVIL | WEBINAR ON BRIDGES WITH EXTERNAL PRESTRESSING: FUTURE OF BRIDGE CONSTRUCTION IN INDIA

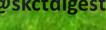
CERTIFICATE PROUDLY PRESENTED TO
RAMESH R
Bridges with External Prestressing: Future of Bridge Construction in India
Feb 26, 2022 UltraTech Cement Ltd.   Date of Completion Organizer
Mr R Ramesh, Asst. Professor, Dept. of Civil Engineering, attended a

Mr R Ramesh, Asst. Professor, Dept. of Civil Engineering, attended a webinar on **"Bridges with External Prestressing: Future of Bridge Construction in India"** organised by UltraTech Cements on 26 February 2022.



# **FDPs** ATTENDED







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#### **IT | FDP ON MICROSOFT AZURE FUNDAMENTALS**



"Microsoft Azure Fundamentals" during 16-18 February 2022.

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MECH | FDP ON RECENT ADVANCES IN MATERIALS AND CHALLENGES IN MANUFACTURING TECHNIQUES



Mr S Ram Kumar, Asst. Professor, Dept. of Mechanical Engineering, attended a Two-week Faculty Development Program on **"Recent Advances in Materials and Challenges in Manufacturing Techniques"** organised by JNTUK, Karnataka during 07-19 February 2022.

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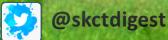
#### **ECE | FDP ON WEARABLE DEVICES**

Ms N Vijayalakshmi, Asst. Professor, Dept. of ECE, attended an FDP

on **"Wearable Devices"** organised by Narayana Engineering College, Gudur during 15-19 February 2022.



# **MEETINGS &** DISCUSSIONS





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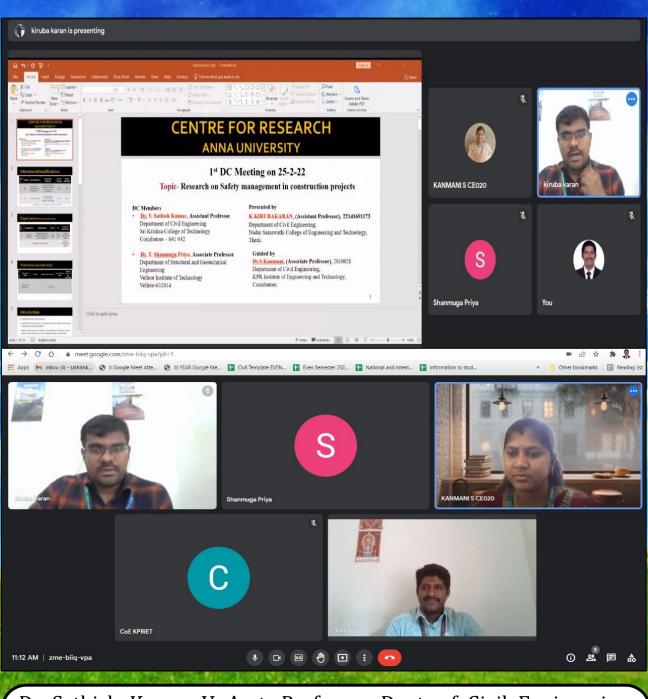
#### IT | NATIONAL SCIENCE DAY | PROJECT PRESENTATION | LA FONDATION DASSAULT SYSTEMES



Dr R Kanmani, Professor, Dept. of ECE, Dr A Christy Jeba Malar, Assoc. Professor, Ms S Muthulakshmi, Asst. Professor, Dept. of IT, Mr B Mukund Sanjay, Mr S Vikkash and Mr S S Sanjeev, Students of Third B.Tech. IT, presented a project on **"Design and Development of Quality Detector for Fruits and Vegetables using IoT Technology"** organised by LA Foundation Dassault Systemes on 24 February 2022.

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#### **CIVIL | DOCTORAL COMMITTEE MEETING**



Dr Sathish Kumar V, Asst. Professor, Dept. of Civil Engineering, served as a **"Doctoral Committee Member"** and reviewed the Research Work of Mr Kirubakaran, Research Scholar on 25 February 2022.



#### **MECH | MINI PROJECT VIVA VOCE**



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#### CSE | M.E. PROJECT PHASE – I VIVA VOCE



The Dept. of CSE conducted **"Project Phase – I Viva Voce"** for the Students of Second M.E. on 02 March 2022.

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#### **IT | PLACEMENT MEETING**



The Placement Coordinator and Tutors of Third B.Tech. IT conducted a meeting with their respective wards regarding Placement Activities on 23 February 2022.



#### **MECH | DEPARTMENT MEETING**



Dr P Prathap, Professor and Head, Dept. of Mechanical Engineering, conducted a meeting with the Members of Faculty regarding Academic Activities for the Students of Second and Third B.E. on 28 February 2022.

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#### **S&H | DEPARTMENT MEETING**



Dr Lijo Jacob Varghese, Professor and Head, Dept. of S&H, conducted a meeting with the Members of Faculty regarding Academic Activities for the Students of First B.E./B. Tech., CIA 3 Test and other activities on 01 March 2022.

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### **CIVIL | DEPARTMENT MEETING**



Dr I Padmanaban, Professor and Head, Dept. of Civil Engineering, conducted a meeting with the Members of Faculty regarding Academic Activities, SIH Event, Club Activities for the Students of Second and Third B.E, R&D Activities, etc. on 01 March 2022.



### **IT | R&D MEETING**



Dr G Lavanya, Asst. Professor , Dept. of IT, conducted a meeting with the Members of Faculty regarding Research Activities on 22 February 2022.



### **CSE | SIH MEETING**



The Dept. of CSE conducted **"SIH 2022 Meeting"** with the Members of Faculty regarding the participation of the students in Smart India Hackathon 2022 on 01 March 2022.



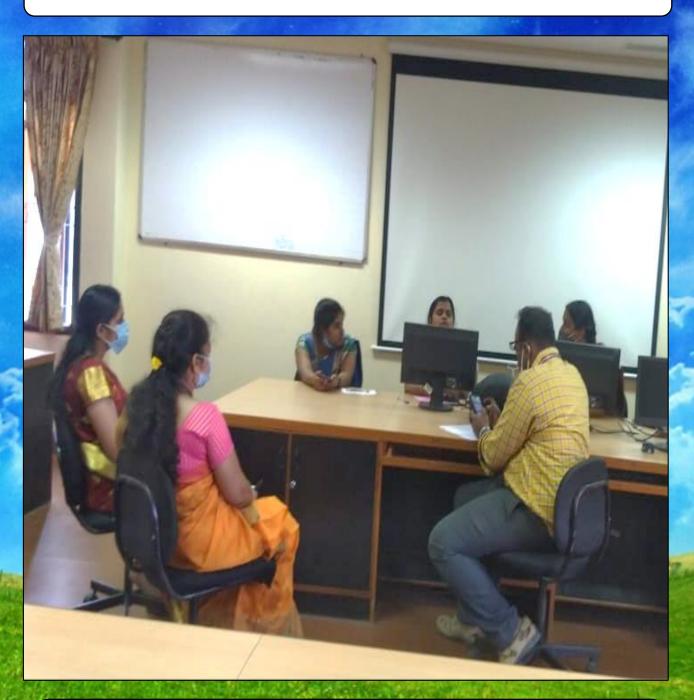
### **CSE | PRIDE MEETING**



Mr S Sam Peter, Asst. Professor, Dept. of CSE, conducted a meeting with the Members of Faculty for motivating the Students to take part in all competitions and contests on 01 March 2022.

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## **CSE | FINAL YEAR TUTOR MEETING**



Ms P Anantha Prabha, Asst. Professor and Final Year Coordinator, Dept. of CSE, conducted a meeting with the Tutors of Final B.E. regarding **"Project Phase – II Implementation"** on 01 March 2022.



# EVENTS ORGANISED



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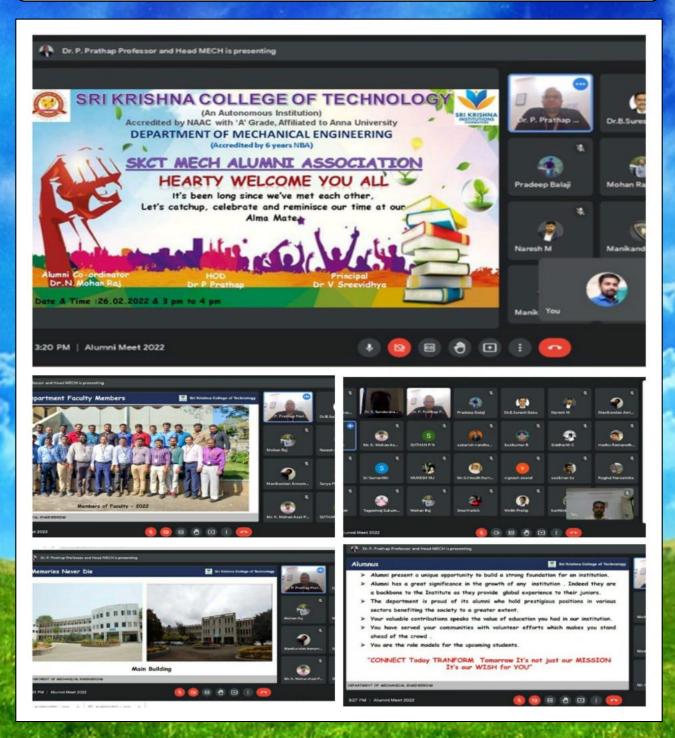
# **CSE | EVENT ORGANISED | VIRTUAL ALUMNI MEET**



The Dept. of CSE conducted a **"Virtual Alumni Meet 2022"** on 26 February 2022.

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# MECH | EVENT ORGANISED | VIRTUAL ALUMNI MEET



The Dept. of Mechanical Engineering organised a **"Virtual Alumni Meet"** on 26 February 2022.

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The Dept. of Science and Humanities organised a **"Technical Skill Development Programme"** facilitated by Mr Vignesh Ravi, Product Manager, Toyoto on 26 February 2022. Mr S Karthik, Asst. Professor, Dept. of Science and Humanities, coordinated the event.

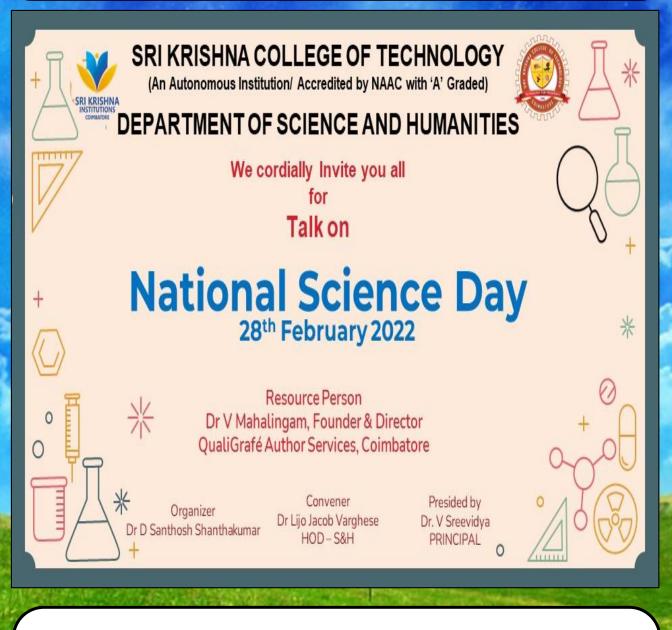
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# S&H | EVENT ORGANISED | TECHNICAL SKILL DEVELEPMENT PROGRAMME



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# S&H | EVENT ORGANISED | NATIONAL SCIENCE DAY CELEBRATION | A TALK ON NATIONAL SCIENCE DAY 2022



The Dept. of Science and Humanities organised a **"Talk on Science Day"** as part of National Science Day 2022 on 28 February 2022. Dr D Santhosh Shanthakumar, Asst. Professor, Dept. of Science and Humanities, coordinated the event.

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# S&H | EVENT ORGANISED | NATIONAL SCIENCE DAY CELEBRATION | A TALK ON NATIONAL SCIENCE DAY 2022





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# S&H | EVENT ORGANISED | NATIONAL SCIENCE DAY CELEBRATION | A TALK ON NATIONAL SCIENCE DAY 2022





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# CIVIL | EVENT ORGANISED | WEBINAR ON EVOLVING CAREER OPPORTUNITIES IN EPC FOR YOUNG ENGINEERS



The Dept. of Civil Engineering organised a webinar on **"Evolving Career Opportunities in EPC for Young Engineers"** facilitated by Industry Experts of L&T on 02 March 2022. Mr R Ramesh, Asst. Professor, Dept. of Civil Engineering, coordinated the event.



# **CLUB** ACTIVITIES









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# ECE | CLUB ACTIVITIES | TALK SHOW CLUB | RESUME WRITING



Student Coordinators of Talk Show Club organised a **"Resume Writing"** session for the Students of First B.E. ECE C section on 23 December 2022. Dr P Jayarajan, Assoc. Professor and Ms Dhivya Priya E L, Asst. Professor, Dept. of ECE, coordinated the event.

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# CSE | CLUB ACTIVITY | TECHNOLOGICAL INNOVATION CLUB



Ms M Kavitha Margret, Asst. Professor, Dept. of CSE, conducted a **"Technological Innovation Club Activity"** for the Students of Second B.E. CSE B section on 25 February 2022.

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# ECE | CLUB ACTIVITIES | TALK SHOW CLUB | RESUME WRITING



Mr S Vigneash, Student of Third B.E. ECE C section and Student Coordinator, Talk Show Club, Dept. of ECE, delivered a session on **"Resume writing"** and conducted Brain Storming Activities on 26 February 2022.

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