

**Cache - CSE :**

**Mr. Aruna Kumar B T**, Assistant Professor of the department has successfully completed his Ph.D. Comprehensive Viva Voce on 18th August 2021 on the research work titled "Performance of video quality metrics assessment in AVC and HEVC coded Videos". Aruna Kumar B T is pursuing his Ph.D. in Recognized Research Center, UBDTCE, Davangere from Visvesvaraya Technological University, Belagavi under the guidance of Dr.Manjanaik N, Professor, UBDTCE, Davanagere



Under the scheme of AICTE's Margadarshan and Margadarshakshare and mentor Institution, **Dr. Sharvani**, Associate Professor from RVCE Bangalore has visited and conducted a compliance report and external academic audit on 27.08.2021.

**Computer Science & Engineering Alumni Meet – 2021 :**

To strengthen the relationship with alumni of the department, an Alumni meet has been conducted online on 22.08.2021. This event was organized and conducted by Santoshkumar M and Dr. Shivannna K. Alumni were expressing their thoughts and ideas to improve and develop the teaching-learning environment to focus more on industry requirements based on their experience. Further, they were suggesting their juniors appear for Mock Interviews, Technical talks, and more in forum Activities. Around 70 Alumni were present and given suggestions during the alumni meet.

Dr. Y. Vijaya Kumar, Principal narrated the recent development taken place in institution, including MoUs, Center of Excellence and Research Centers. Sir has given information regarding institution ratings in Times of India, Outlook Express, and The Week magazine. Also he requested alumni to join their hands in the progress of the department and institution.

Dr. Sanjay Pande M B, Professor and Head of CSE has discussed about the initiatives and activities conducted in the department such as NPTEL online course, Infosys foundation programme, Koushalya – Soft Skills Training for Students. Also he emphasized about process taking place for the university status of the Institution in coming days.

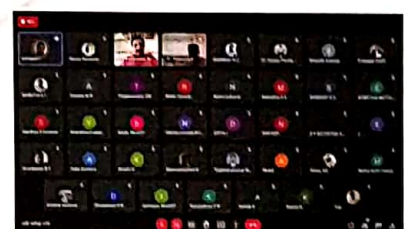
The alumni meet has started with invocation by Deepa G of 6th Semester and Vote of thanks was delivered by Mr. Kotreshi S N and the MOC was done by Mr. Rudresh N C.



Principal Dr. Y Vijaya Kumar  
addressing the gathering



HOD Dr. Sanjay Pande M B  
addressing the Alumni



More than 70 Alumni  
has attended the meeting



Mr. Shazib Khan giving the  
suggestions regarding  
placement activities



Mr. Krishna Wadone giving  
suggestions to include  
soft skills in 3rd semester



Mr. Sachin R addressing  
the Alumni Meet regarding  
Entrepreneurship



## Patent Filing :



Mr. Niranjan Murthy C, Assistant professor, Department of Computer Science and Engineering has filed an Innovative Patent on “Dry Land Agriculture and Yield Gap Analysis by Machine Learning Algorithms using IOT sensors” on the 25th of August 2021 bearing patent number 2021104029. Management, the Principal, HoD, and all the staff members congratulated the achievement.

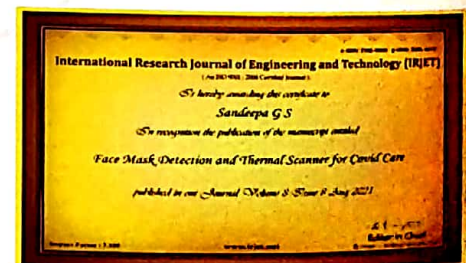


Mr. Santoshkumar M, Assistant Professor has attended an International STTP on “Advanced Application in Artificial Intelligence and Machine Learning” which is organized by MarathawadaMitraMandal Institution, Pune from 2nd to 6th August 2021.

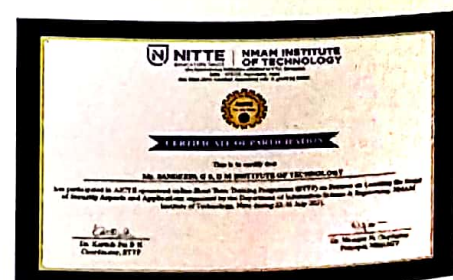
The project work titled “FACE MASK DETECTION AND THERMAL SCANNER FOR COVID CARE” was conducted by Karthik M Hadagali, Pradeep Kumar B S, Ritika Reddy V, Priyanka M N (Final Year students of AY 2020 – 21) under the guidance of Mr. Sandeepa G S, Assistant Professor has been exhibited and received the Best Product Award in Product Expo 2020-21 organized by GMIT, Davanagere on 06th August 2021. The principal, HoD, and all the staff of the department has congratulated the achievement.



Mr. Sandeepa G S, Asst. Prof., has published a paper entitled “FACE MASK DETECTION AND THERMAL SCANNER FOR COVID CARE” in International Research Journal of Engineering and Technology, Volume 8, Issue 8, August 2021 <https://www.irjet.net/volume8-issue8> S.No: 380



Mr. Sandeepa G S, Assistant Professor has attended AICTE sponsored Online Short Term Training Programme on Focuses on Learning the Scope of Security Aspects and Applications organized by the Department of Information Science & Engineering, NMAM Institute of Technology, NITTE from 22nd to 31st of July 2021.





# Cache - CSE :

## Internship work - Weekly Assessment :

Weekly Assessment on internship has been conducted every weekend and student's internship progress is observed by respective guides. Our Department students have undergone their internship at various organizations like - Jindal steels, Toranagallu, Ballari, Haegl Technologies, Pvt, Ltd, Dharwad, Vergeo Edutech, Bengaluru, Tequed Labs, Bengaluru, Sookshmas e-Learning, Bengaluru, Saitech integrated solutions, Mysuru, RVCE, Bengaluru, etc. and they are working on

various technologies like- Artificial Intelligence and Machine Learning, Full Stack Development, IoT, Cyber Security, etc. All these activities are organized and monitored by Internship Coordinator Kotreshi SN and Department Head **Dr. Sanjay Pande MB.**



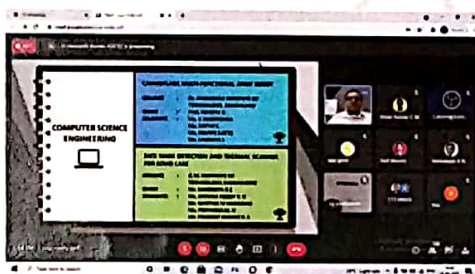
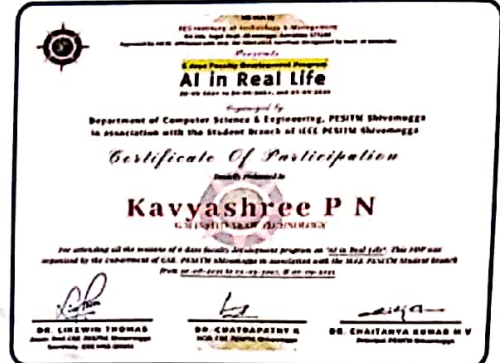
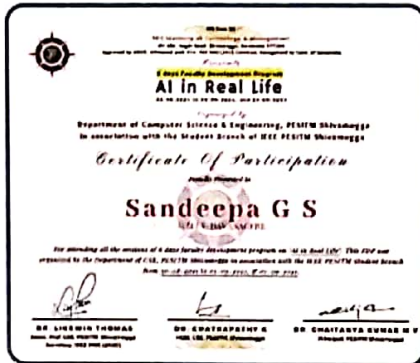
## FDP Attended

**Mr. Kotreshi S N** has attended one Week FDP at AICTE Training and Learning (ATAL) Academy on “**Cyber Security: Storage System Architecture and File System Forensics**” from 13-09-2021 to 17-09-2021 at Siddaganga Institute of Technology, Tumakuru.





Mr. Sandeepa G S, Mr. Rudresh N C, and Mrs. Kavyashree P N have been attended a six-day online FDP on "AI in Reallife" organized by the Department of Computer Science and Engineering, PESITM, Shivamogga from 30th Aug to 06th Sep 2021, topics related to Autonomous Navigation, AI in manufacturing, AI in agriculture, AI in transportation, AI in civil, AI in Healthcare and different applications information were shared by different resource persons from IIT's.



Mr. Sandeepa G S, Assistant Professor with student team members Karthik M Hadagali, Priyanka M N, Rithika Reddy V B, and Pradeep Kumar B S Won the **Best Student Project award** for the Academic Year 2021 from KSCST, Bangalore.

Mr. Sandeepa G S, Assistant Professor with student team members Karthik M Hadagali, Priyanka M N, Rithika Reddy V B, and Pradeep Kumar B Shave Secured Second Prize in IEEE Region 10 Humanitarian Technology Conference 2021 Product Demo (IEEE R10 HTC 2021) held on 2nd Oct 2021.

Dr. Shivanna K and Mr. Sandeepa G S, Asst. Professors from the department have attended the Five Day Workshop on the "Centre of Excellence in Innovation, Research and Entrepreneurship" from 27th Sep 2021 to 1st Oct 2021.



Mr. Sandeepa G S, Asst. Professor, Dept., of CSE recently filed a Patent on "Development of Big Data Analytics for Intelligent Industrial Manufacturing Based on IOT".



Mr. ARUNA KUMAR B T, Asst. Prof, Dept. of CSE has attended an online Five-day FDP on "Research Methodology, Research Publications, and Patent Filing" from 20th to 24th September 2021 organized by Sharad Institute of Technology College of Engineering, Yadav (Ichalakaranji).

Mr. ARUNA KUMAR B T, Asst. Prof, Dept. of CSE has attended AICTE Sponsored, One week Short Term Training program (STTP) on "Signal Processing and Its Applications using Machine Learning" from 15th to 18th Sept 2021 which is organized and conducted by UBDTCE, Davanagere.



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Mr. Aruna Kumar B T, Asst. Professor, Dept. of CS&E has published a patent with the title "Visitors Detection and Face Recognition system using IoT Technology" on 01.11.2021 with its Ref/Application No.: TEMP/E1/56402/2021-CHE and Application No.:262141043674, under the guidance of Dr.Manjanaik N, Professor, Dept. of E&CE, UBDTCE, Davanagere.





## FDP :

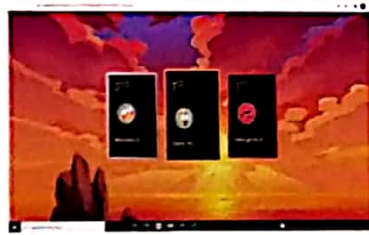
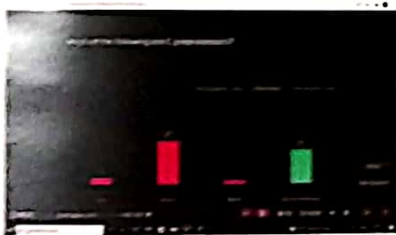
Mr. Rudresh N C Asst. Professor Dept. of CS&E has been attended the 10 days hands-on FDP on UI-Path which is organized by ICT Academy from 20th October 2021 to 30th October 2021, where learned about different components of UI-Path, UI-Path studio installation, concepts of Robotics enterprise framework, and other applications of frameworks.



Dr. Sanjay Pande M B, Professor and Head Department of CS&E has been Elected and awarded as grade of Senior Member by IEEE.



Mr. Sunad R G, Ms. Anushree P L, and Divya R B of 5thsem are successfully finished Swayam NPTEL Course on "Programming in Java" with an aggregate percentage of 84, 82 and 86 respectively under the guidance of Department NPTEL coordinator Mr. Kotreshi S N.



The placement team of CS&E conducted an online quiz for the students of the 3rd and 5th semester on the topic "Basics of C Programming" on 25th November 2021 under "Koushalya - Industry Ready Students Training Program".

### CERTIFICATE OF APPRECIATION

This is to recognise the contribution of  
**Dr Sanjay Pande M B**

Professor, CIT Institute of Technology

as Reviewer for International Conference on Mobile Networks and Wireless Communications (ICMNC-2021) organized by Department of Electronics and Telecommunication Engineering, Sri Sathartha Institute of Technology, Tumkur in association with IEEE Bangalore Section and Co-Sponsored by Technical Institute For Engineers (TIE) during 02-04 December, 2021.

*[Signature]*  
Dr. A. S. Sharma Kumar  
Coordinator, CIT  
Tumkur-575 001  
Professor and Head,  
BMIT, Bangalore

*[Signature]*  
Dr. M. S. Srinivasan  
General Chair, ICMNC-2021  
Principal, BMIT, Tumkur



### CERTIFICATE OF APPRECIATION

International Conference on  
Advances in Engineering, Science and Management (ICAESM-2021)

Dr. Sanjay Pande

for being the Reviewer for ICMNC-2021.

Organized by Department of Electronics and Telecommunication Engineering, Sri Sathartha Institute of Technology, Tumkur in association with IEEE Bangalore Section and Co-Sponsored by Technical Institute For Engineers (TIE) during 02-04 December, 2021.

Dr. A. S. Sharma Kumar  
Coordinator, CIT  
Tumkur-575 001  
Professor and Head,  
BMIT, Bangalore





## Cache - CSE :



**Infosys Campus Connect Conclave: Dr. Sanjay Pande MB, Mr. Santosh Kumar M**

Dr. Sanjay Pande M B and Mr. Santoshkumar M attend a Five-day FDP program conducted under the aegis of AICTE- VTU Joint Teachers Training Programme on **Innovation and Design Thinking** and held under the Banner of VTU, Belagavi from 27th Dec to 31st Dec 2021.

Dr. Sanjay Pande M B has published a paper, Titled: **Prediction of Parkinson disease using the Parametric and Non-Parametric Machine Learning Models**, December 2021 | IJIRT | Volume 8 Issue 7 | ISSN: 2349-6002, Madhusudhana G K1 , Sanjaypande M B2 , Raveesh B N

Mr. Niranjan Murthy C, Mr. Kotreshi S N, and Dr Sanjay Pande M B have published a paper, Titled: **Efficient data sensing and monitoring model for areca nut precession farming with wireless sensor Network**, Published in IJECS.



Mr. Niranjan Murthy C completed his open Seminar on 29th December 2021. He is Working under **Dr. Sanjay Pande MB**, in Computer Science Research Center.



New faculties namely **Ms. Sneha G N, Ms. Meghana G H, and Ms. Chaitra K G** have been appointed as Assistant Professor in CS&E Department and get reported on November 18th, November 24th, and December 30th respectively.



**Mr. Murugesh**, Team members namely **Sunad, Nidhi, and Anushree** of the Fifth Semester explained the Android Application Implemented to Chairman and Principal.



**Dr. Pande**, Team member namely **Suchitra, and Suhas** of Seventh Semester explaining the Automated Street Light Monitoring system Implemented to the Chairman and Principal.



## REFLECTION

**MOU with Techno Serve India :**

**Dr. Shivanna K**, Assistant Professor, Department of Computer Science and Engineering made an MOU on 21st December 2021 with **Techno Serve India** to introduce C2TC (Campus To Technical Careers) program involving **Mr. Manjunatha Swamy K V** for coordinating this training process. This program is intended to assist college graduates from specific branches - to be employment ready for careers in technical (programming, software, IT related) roles in IT/ITES and allied organizations in the formal sector. This program is sponsored by Capgemini India, under their CSR initiative, and implemented by TechnoServe India.

**Technical Workshop :**

Two Days Hands-on Workshop on "Python Programming Fundamentals & Its Applications" for 3rd-semester students of Department of Bio-Technology was conducted on 16th & 17th of December 2021, under the banner of Forum GENELIX 2021-22.



- **Mr. Maruthi S T**, Asst. Professor, Dept. of CSE as a resource person delivered the content to uplift the python programming language skillset of students.
- **Dr. Sanjay Pande M B**, Professor & Head, Dept. of CSE delivered a guest lecture on "Importance of Program Outcomes".

**Dr. Prakash K K**, Professor & Head, Dept. of BT, GMIT felicitated the resource person by handing over a "Letter of Appreciation". The impact factor of the hands-on workshop was done by taking Post workshop feedback in google forms.

**Mrs. Sandhya R Savanur**, Assistant Professor, Department of Computer Science and Engineering, delivered a talk on "E-Commerce - Corporate Digital Library" to the students of BCA final year in Dhavan - Nutan College, Davanagere on 24th December 2021.



**Mr. Sandeepa G S**, Assistant Professor, Department of Computer Science and Engineering conducted 5 Days Hands-on Workshop on



"Python Using Cyber Security and Ethical Hacking" on 5th to 9th of December 2021.





Industrial Visit by 7th Semester Students **Infosys Mysore** on 6th and 7th December 2021.



Industrial Visit by 5th Semester Students **VTU IT Park Dandeli** on 7th and 8th December 2021.



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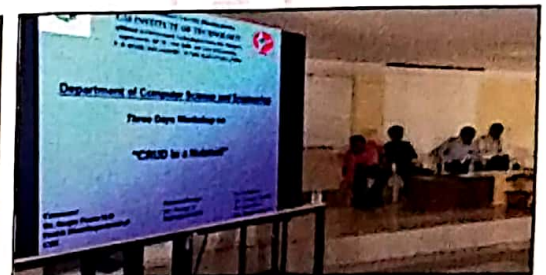
Dr. Sanjay Pande M B Professor & Head, Dept. of CSE Presented a Talk in the AICTE sponsored FDP program Scheduled between 4th to 10 Jan 2022 on the Topic: Application for 5G Communication for IoT Systems on 4th Jan 2022 organised by Angadi Institute of Technology, Belagavi.



Ms Sneha G N have published a paper, Titled: Face Recognition Based Car ignition System, Published in International journal of Image Mining.



Mr. Sandeepa G S, MySmartShala – VTU Incubated StartUp, Product Introduction and Training for Students and Teachers on Saturday 8th January 2022.



Mr.Niranjan Murthy C , Mr.Kotreshi S N and Mr.Thippeswamy G N, Assistant Professor, Department of Computer Science and Engineering conducted Three Days Hands-on Workshop on "CRUD in a Nutshell" on 6th to 8th of January 2022.

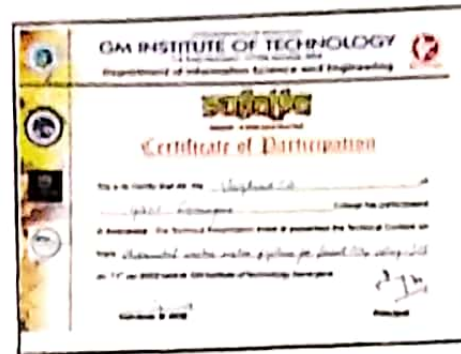
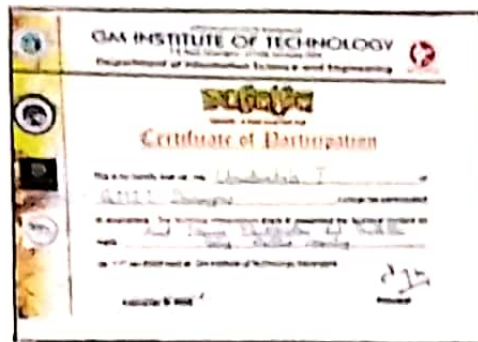


Mr.MurugeshJambagi have published a paper, Titled: "Service Level Agreement Aware Energy Optimized Scheduling Algorithms for Cloud Computing Environment", Published in IJITS Web of Science/ESCI journal.



Harshitha H B participated in 31st national Strengthlifting and IBP Championship 2021 – 2022 held on 30-12-2021 and 02-01-2022 in Aalwar Rajasthan won Second Place by weightlifting 65kg.

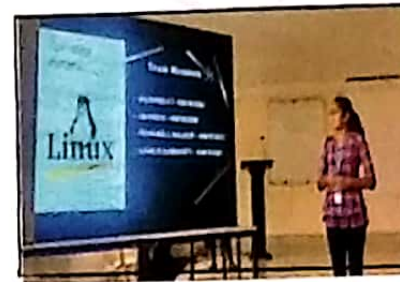




Students of CS&E participated in Sukalpa - conducted in GMIT College Davanagere on 11th Jan 2021



Mr. Shankar Shastri participated and successfully completed AICTE Training Learning and Learning(ATAL) Academy Online Elementary FDP on " Robot Operating System (ROS)" from 10/01/2021 to 14/01/2021 at GSS Institute of Engineering and Technology for Women.



Mr. Shankar Shastri conducted a Unix programming activity program on 14-01-2022 for 5th sem students.



**COMPUTER SCIENCE & ENGINEERING**

As per the regulations of AICTE-New Delhi, The UG Students have to earn AICTE-activity Points by involving in local bodies to enable government initiatives. The program conducted at Mayakonda village with **Panchayat Development officer Mr. Nagaraj K and Mayakonda Panchayat President Smt. Shivamma, Vice President Shri Mallappa**, AICTE activity Staff coordinator **Mr Shankar Shastri** addressing the students in Mayakonda Panchayat office. The Seventh Semester students of Department with Principal and Head addressing the students giving awareness about recent technologies. **Mr Shankar Shastri** is department Co-ordinator for AICTE activity.



**Ms Sneha G N**, Assistant professor, Department of Computer Science and Engineering, conducted an Activity on **Problem Solving through C Programming** for first year students on 4/02/2022





Mr Murugesh Jambagi, Assistant professor, Department of Computer science and engineering, conducted an activity on *Application development using Python* for fifth sem students on 01-02-2022



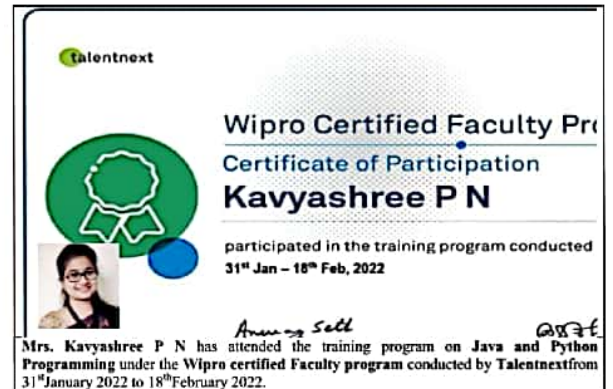
Ms Chaitra K G Assistant Professor, Department of Computer Science and Engineering, conducted an activity on *Computer Network Course* for fifth sem students on 8/2/2022



Mr Navapretam participated in *Jnana dhara* – interdependent knowledge fest in the event *Logie Nut* and won First prize organizes by "GENELIX" forum from Department of Biotechnology, GMIT College on 4<sup>th</sup> and 5<sup>th</sup> February 2022.



Ms Sahana Bagi participated in *Jnana dhara* – interdependent knowledge fest in the event *Flash Talk* and won First prize organizes by "GENELIX" forum from Department of Biotechnology, GMIT College on 4<sup>th</sup> and 5<sup>th</sup> February 2022.



Ms Suchitra Hiregowda participated in the event *Anavarana – The Technical Presentation* and Secured First place which is held at GM Institute of Technology, Davanagere on 11<sup>th</sup> and 12<sup>th</sup> Jan 2022.



Mr Pranav V participated in *Jnana dhara* – interdependent knowledge fest in the event *Logie Nut* and won First prize organizes by "GENELIX" forum from Department of Biotechnology, GMIT College on 4<sup>th</sup> and 5<sup>th</sup> February 2022.



Mr Sagar Patil participated in the event *Anavarana – The Technical Presentation* and Secured Second place which is held at GM Institute of Technology, Davanagere on 11<sup>th</sup> and 12<sup>th</sup> Jan 2022.

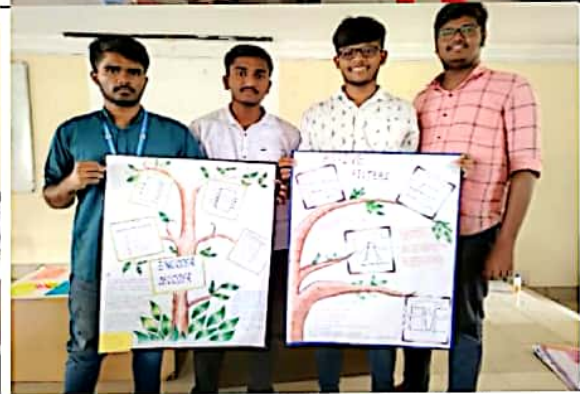




**Mrs. Sandhya R Savanur**, Assistant professor, Department of Computer science and engineering, conducted *Poster Presentation activity* to the students of 3rd Semester 'B' section on 25th February 2022. Students enthusiastically presented different models used in software engineering process with their creative posters and charts.



**Mrs. Kavyashree P N**, Assistant professor, Department of Computer Science and Engineering, conducted *Poster Presentation activity* to the students of 3rd Semester 'B' section on 25th February 2022. Students enthusiastically presented different models used in software engineering process with their creative posters and charts.



**Mr Arun Kumar**, Assistant professor, Department of Computer Science and Engineering, conducted *Poster Presentation activity* for 3rd Semester 'A' section students on 18 February 2022. Students enthusiastically presented different models used in Analog and Digital with their creative posters and charts.