

<b>Sl No</b>	<b>List</b>
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2	Paper Publications
3	Patent
4	Product development
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6	Expert
7	Koushalya Activities
8	New Faculty Joined
9	Expert Talk
10	Induction Program
11	Industrial Visit
12	Workshop's Conducted
13	AICTE Activities
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15	Internal Audit Academic Year 2021- 2022
16	Conferences

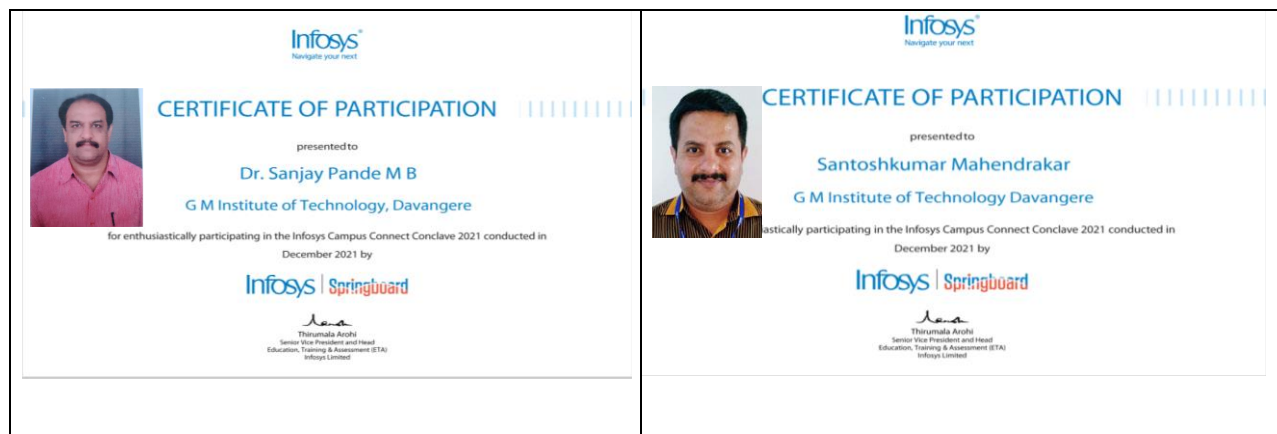
## Faculty Development Program (PDP):



**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 learnt on different components of UI-Path, UI-Path studio installation, concepts of Robotics enterprise framework and other applications of frameworks.



**Mr. Sandeepa G S**, Assistant Professor **has attended** AICTE sponsored Online Short Term Training Programme (STTP) 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 22<sup>nd</sup> to 31<sup>st</sup> of July 2021.



**Dr. Pande and Mr. Santoshkumar** attend a Five day FDP program conducted under the aegis of AICTE- VTU Joint Teachers Training Program on Innovation and Design Thinking and held under the Banner of VTU, Belagavi from 27<sup>th</sup> Dec to 31<sup>st</sup> Dec 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.

talentnext

wipro

Wipro Certified Faculty Program  
Certificate of Participation  
**Kavyashree P N**

participated in the training program conducted by TalentNext.  
31<sup>st</sup> Jan – 18<sup>th</sup> Feb, 2022

*Anurag Seth*  
Anurag Seth  
VP & Head -  
Talent Transformation

*P B Kotur*  
P B Kotur  
General Manager & Head -  
TalentNext

**Mrs. Kavyashree P N** has attended the training program on **Java and Python Programming** under the **Wipro certified Faculty program** conducted by **Talentnext** from 31<sup>st</sup> January 2022 to 18<sup>th</sup> February 2022.

ATME  
College of Engineering

INSERB  
DIA

CSE

CERTIFICATE  
OF PARTICIPATION

This is to certify that

*Mr. Shankarayya Shastri*

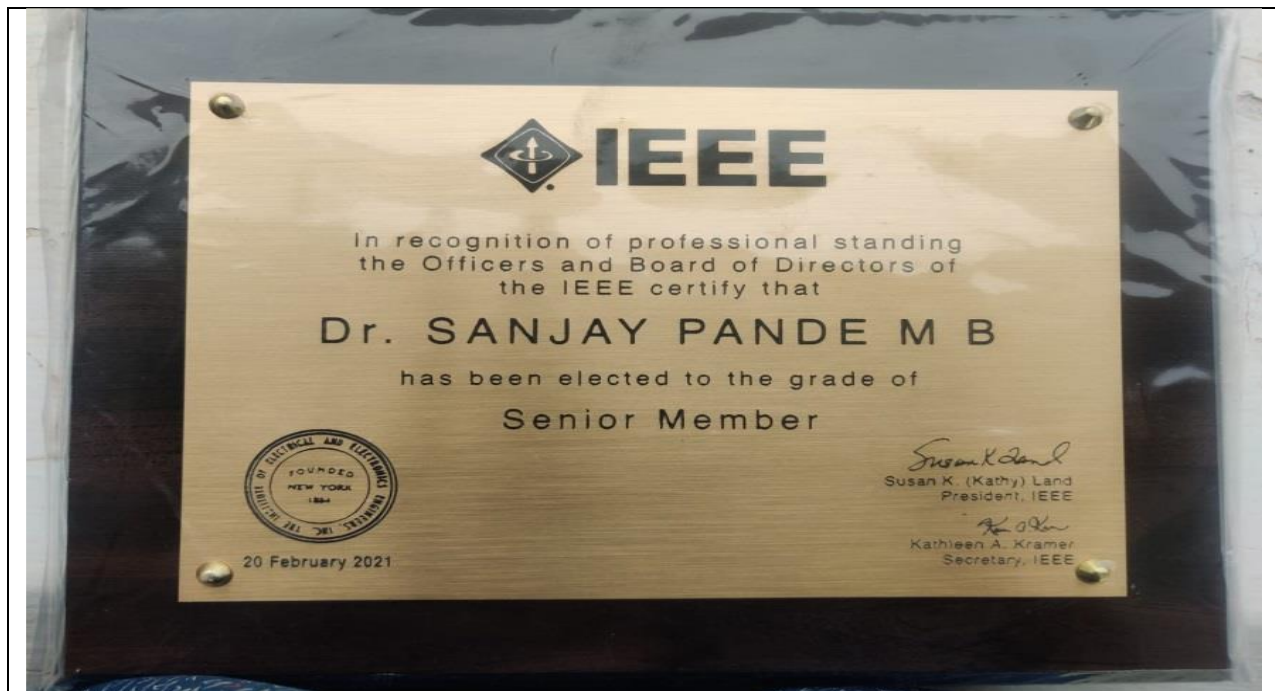
had participated in Science and Engineering Research Board (SERB), New Delhi  
Sponsored 3-Day National Level Seminar on "Research Avenues in Artificial Intelligence  
and Allied Areas" from 24<sup>th</sup> – 26<sup>th</sup> March, 2022

*Dr. Naveen N. M.*  
Dr. Naveen N. M.  
Convenor

*Dr. Puttegowda D.*  
Dr. Puttegowda D.  
HOD, Department of CSE

*Dr. L. Basavaraj*  
Dr. L. Basavaraj  
Principal

**Mr Shankarayaa Shastri** attended in Science and Engineering Research Board (SERB), New Delhi Sponsored 3-Day National Seminar on "**Research Avenues in Artificial Intelligence and Allied Areas**" from 24<sup>th</sup> to 26<sup>th</sup> March 2022.



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



Dr. Sanjay Pande M B, Professor and Head, and Dr. Mouneshachari S, Associate Professor, have attended thirty days Innovation Ambassador Training (Foundation Level) programme from 30<sup>th</sup> June to 30<sup>th</sup> July. This event is organized and conducted by Ministry of Education in association with AICTE, New Delhi. The main agenda of the training programme is to prepare innovation experts or mentors at institution level in line with the action plan of Institutions Innovation Council, Govt. of India.



## Paper Publications:



**Dr. Sanjay Pande** 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** completed his open Seminar on 29<sup>th</sup> December 2021. He is Working under Dr Sanjay Pande MB, in Computer Science Research Center.



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



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



**Mr. Murugesh Jambagi** 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.

## **Patent:**



Aruna Kumar B T  
22-07-1977

**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. Manja Naik N**, Professor, Dept. of E&CE, UBDTCE, Davanagere.



**Mr. Nranjan 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**” during 25<sup>th</sup> of August 2021 bearing **patent number 2021104029**. Management, Principal, HOD and all the staff members congratulated the achievement



## **Product Development:**

The project work titled “**FACE MASK DETECTION AND THERMAL SCANNER FOR COVID CARE**” conducted by Karthik M Hadagali, Pradeep Kumar B S, Ritika Reddy V B, 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 a **Best Product Award in Product Expo 2020-21** organized by GMIT, Davanagere on 06<sup>th</sup> August 2021. Principal, HoD and all the staff of the department has congratulated the achievement.



**Mr. Murugesh Jambagi** , team member namely Sunad, Nidhi and Anushree of Fifth Semester explaining the Android Application Implemented to Chairman and Principal.



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

## MOU'S :



**Dr. Shivanna K**, Assistant Professor, Department of Computer Science and Engineering made a MOU with **Techno Serve India** to introduce **C2TC (Campus To Technical Careers)** program on 21<sup>st</sup> December 2021 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**.



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



## Expert:

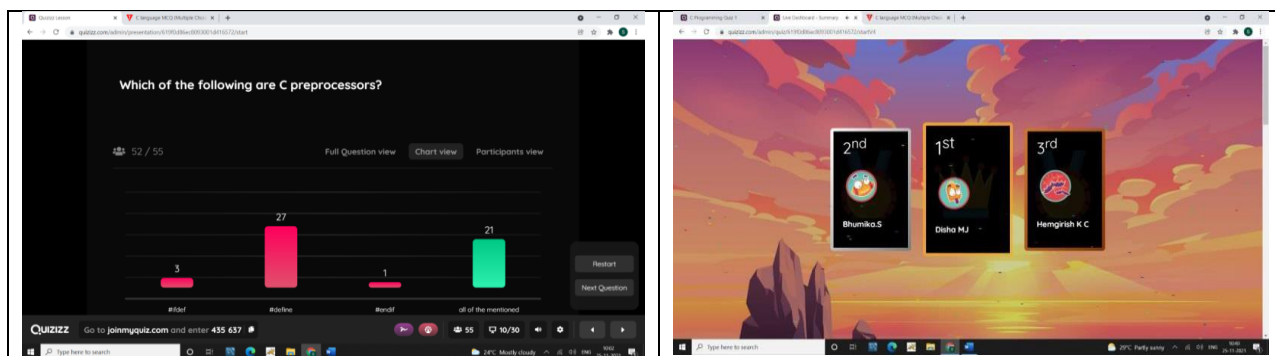
Two Days Hands-on Workshop on “**Python Programming Fundamentals & It's Applications**” for 3<sup>rd</sup> semester students of Department of Bio-Technology was conducted on 16<sup>th</sup>&17<sup>th</sup>of December 2021, under the banner of Forum **GENELIX 2021-22**.



- **Mr. Maruthi S T**, Asst. Professor, Dept. of CSE as a resource person delivered the content to uplift the python programming language skills et 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 hands-on workshop was done by taking Post workshop feedback in google forms.

## Koushalya Activities:



The placement team of CS&E conducted online quiz for the students of 3<sup>rd</sup> and 5<sup>th</sup> semester on the topic “Basics of C Programming” on 25<sup>th</sup> November 2021 under “**Koushalya – Industry Ready Students Training Program**”.

## New Faculty Joined:



**Mr Shankarayya Shasthri**



**Mr Murugesh V Jambagi**

New faculties Namely **Mr. Shankarayya Shasthri** and **Mr. Murgesh V Jambagi** have appointed as Assistant Professor in CS&E department and get reported on October 7th 2021 and October 10th 2021 respectively and they have good experience in both teaching and corporate level.



**Ms Sneha G N**



**Ms Meghana G H**



**Ms Chaitra K G**

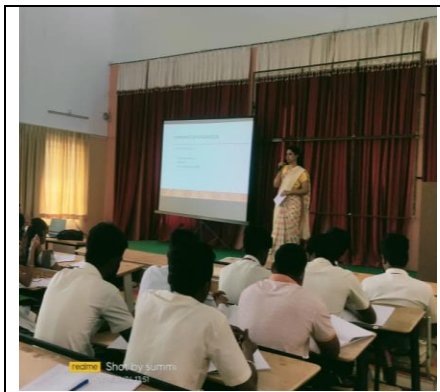
New faculties namely **Ms Sneha G N**, **Ms Meghana G H** and **Ms Chaitra K G** has appointed as Assistant Professor in CS&E Department and get reported on November 18<sup>th</sup>2021, November 24<sup>th</sup> 2021 and December 30<sup>th</sup>respectively.



## Expert Talk:



**Dr Sanjay Pande MB** Presented a Talk in AICTE sponsored FDP program Scheduled between 4th to 10 Jan 2022 on the **Topic : Application for 5G Communication for IOT Systems** on 4th Jan Organised by Angadi Institute of Technology, Belagavi



**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.



**Dr. Snjay Pande M B**, Professor & Head Dept. of CSE, invited as a Resource Person for one week AICTE sponsored STTP which is conducted by UBDTCE, Davanagere from 15th to 18th of september 2021, and honored at the end of the training program.

## Induction Program:



Induction program has been conducted for 2nd year CSE students on 25th of november 2021, presidential speech was given by **Dr. Vijaya kumar Y**, principal GMIT and invited chief guest **sowmya s yeli**, senior software engineer, infosys has delivered speech on "opportunities in CSE" then "talk on human values" will given by **Dr. Sanjay Pande M B**, professor and head, CSE followed by talk on "route map to career through courses" will given by **Mr. Murgesh v jambagi**, Assistant Professor, Department of CSE, guest lecture was delivered on the topic "idea to product" by **Dr. Shivanna K**, Assistant professor, Department of CSE, finally program get end up with an activity conducted by **Mr. Santosh kumar M and Mr. Kotreshi SN**.

## **Industry Visit:**

Industrial Visit by 7<sup>th</sup> Seventh Semester Students Infosys Mysore on 6<sup>th</sup> and 7<sup>th</sup> December 2021.



Industrial Visit by 5<sup>th</sup> Semester Students VTU IT Park Dandali on 7<sup>th</sup> and 8<sup>th</sup> December 2021.





## Workshop's conducted:



**Mr. Sandeepa G S**, Assistant Professor, Department of Computer Science and Engineering conducted Five Days Hands-on Workshop on **"Python Using Cyber Security and Ethical Hacking"** on 5<sup>th</sup> to 9<sup>th</sup> of December 2021.



**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 6<sup>th</sup> to 8<sup>th</sup> of January 2022.

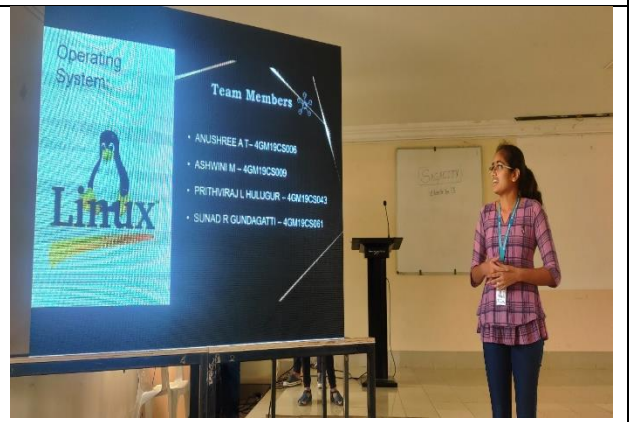


## AICTE Activity:



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.

## Course Activities:

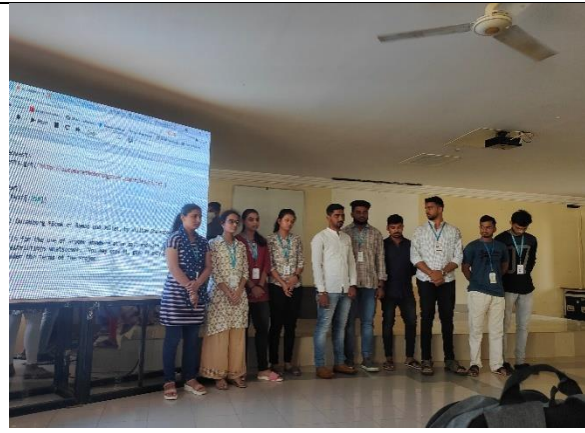


**Mr. Shankar Shastri** conducted Unix programming activity program on 14-01-2022 for 5th sem students

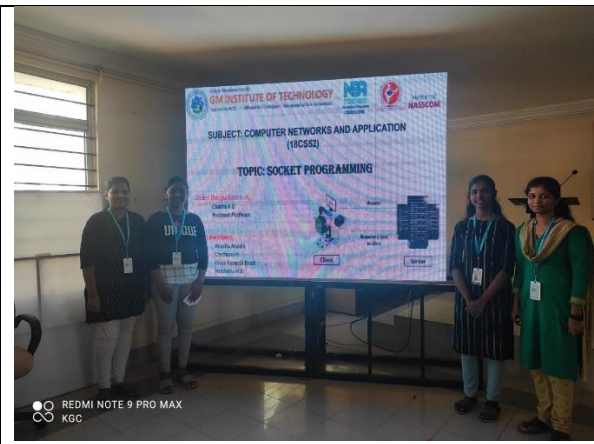


**Ms Sneha G N**, Assistant professor, Department of Computer Science and Engineering, conducted an Activity on *Problem Solving through C Programming* for first year students on 4/02/2022





**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

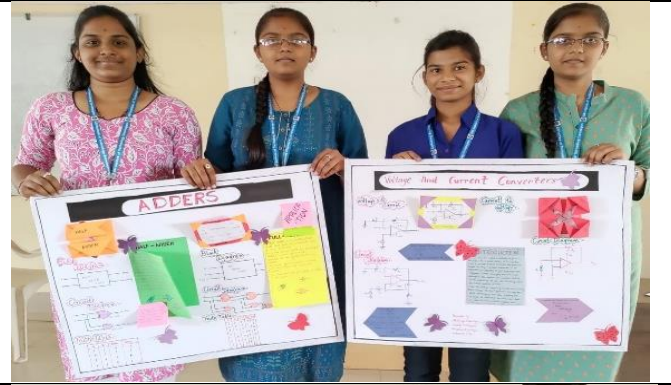


**Mrs. Sandhya R Savanur**, Assistant professor, Department of Computer science and engineering, conducted **Poster Presentation activity** to the students of 3rd Semester 'B' section on 25th February 2022. Students enthusiastically presented different models used in software engineering process with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



**Mr. Koteshi S N**, Assistant professor, Department of Computer Science and Engineering, conducted **Virtual Experiments** implementation and its presentation on course Computer Organization using **IIT Kharagpur**.



# DATA STRUCTURE ACTIVITY

**Infix:** The expression of the form a b op, when an operator is in-between every pair of operands

**Postfix:** The expression of the form a b op, when an operator is followed for every pair of operands

Team Name : Team Alpha

## TOPIC : INFIX TO POSTFIX CONVERSION

### NAMES:

ABHINAYA. S.G [4GM20C5000]  
 ABHISHEK. U [4GM20C5000]  
 ADITHYA. R. KASHYAP [4GM20C5000]  
 ADITHYA. U. PAI [4GM20C5000]  
 AJITH. H. PATNAGAR [4GM20C5000]  
 AKASH. S. T [4GM20C5000]  
 AKSHATA. G. KHARAD [4GM20C5000]  
 AMOGH. N. M [4GM20C5000]  
 AMULYA. V. REVANKAR [4GM20C5000]  
 ANKITH. M. S [4GM20C5000]  
 ANKITHA. K. M [4GM20C5000]  
 ANKITHA. K. S [4GM20C5000]  
 ANNAPOORNA. S. P [4GM20C5000]  
 ANUPAMA. S. A [4GM20C5000]  
 ANUSHA. AM [4GM20C5000]  
 ANUSHA. R. B [4GM20C5000]  
 ASIF. H [4GM20C5000]  
 BHARATH. K. H [4GM20C5000]  
 BHUMIKA. K. B [4GM20C5000]  
 BHUMIKA. S [4GM20C5000]  
 AKASH. K. C [4GM20C5000]

Expression:  $A * (B + D) / E - F * (G + H)$

STEP	SYMBOL	POSTFIX	STACK
Initial	-	-	#
1	A	A	#
2	+	A	#, +
3	(	A	#, +, (
4	B	AB	#, +, (
5	+	ABD	#, +, (, +
6	D	ABD	#, +, (, +
7	)	ABD+	#, +
8	/	ABD+*	#, /
9	E	ABD+*E	#, /
10	-	ABD+*E/	#, -
11	F	ABD+*E/F	#, -, *
12	*	ABD+*E/F	#, -, *, C
13	(	ABD+*E/F	#, -, *, C
14	G	ABD+*E/FG	#, -, *, C
15	+	ABD+*E/FG	#, -, *, C, +
16	H	ABD+*E/FGH	#, -, *, C, +
17	)	ABD+*E/FGH+	#, -, *
18	-	ABD+*E/FGH+*	#, -
19	-	ABD+*E/FGH+*-	#



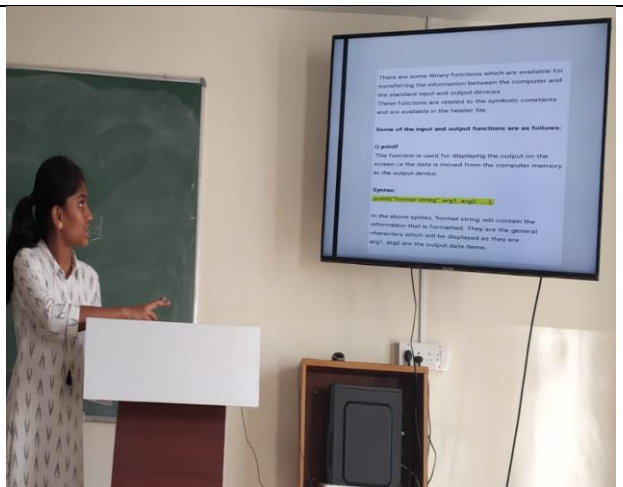
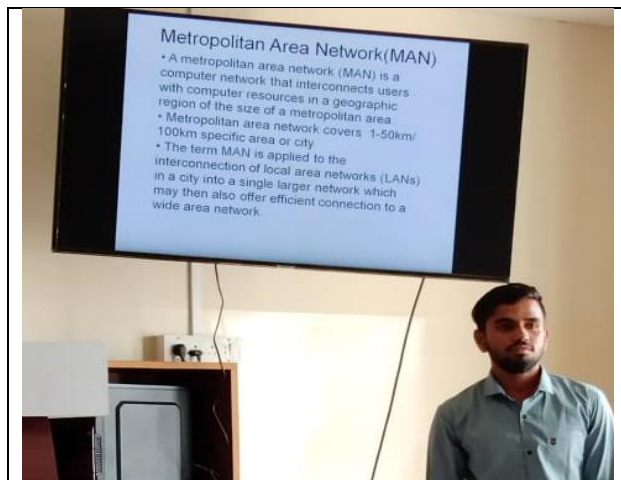
Plus



Mr. Sandeepa G S, Assistant professor, Department of Computer Science and Engineering, conducted Poster Presentation activity to the students of 3<sup>rd</sup> Semester 'A' section on 14 March 2022. Students enthusiastically presented different posters and charts on Expression Evaluation in the course **Data Structure and its Applications**.

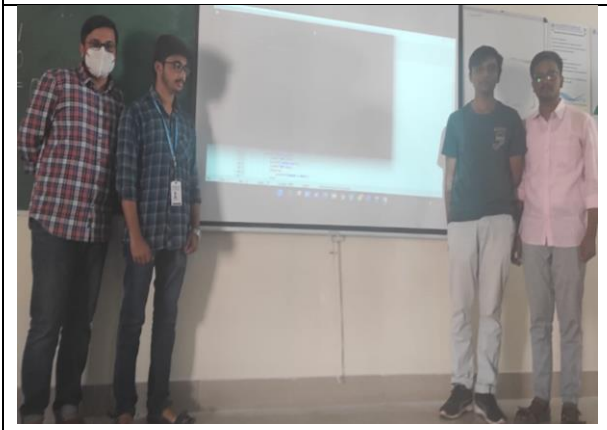
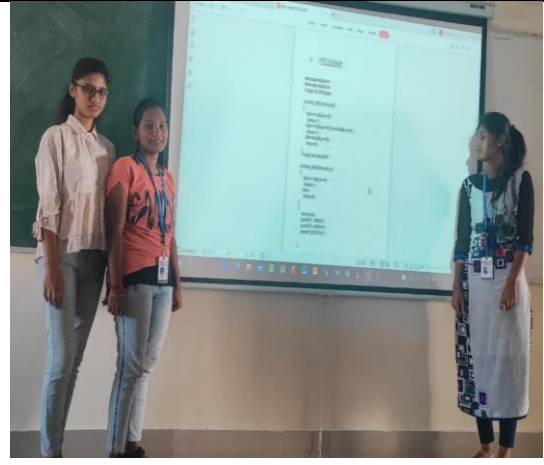
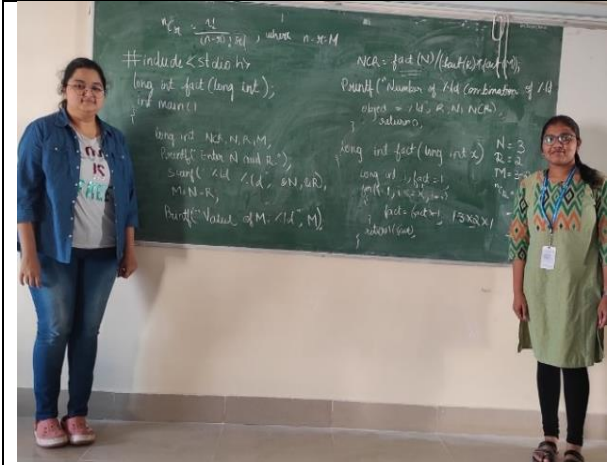


**Mr. Koteshi S N**, Assistant professor, Department of Computer Science and Engineering, conducted a Role-Play Activity on course **Data Structure and its Applications** on 4<sup>th</sup> March 2022. Students exhibited their talent by involving themselves in the activity. The dramatic scene were created on topics like Stack, Doubly linked list, Trees and Binary Search Tree.



**Ms Meghana G H** Assistant Professor, Department of Computer Science and Engineering, conducted a course activity on **Problem Solving Through C Programming** for First sem G section students.

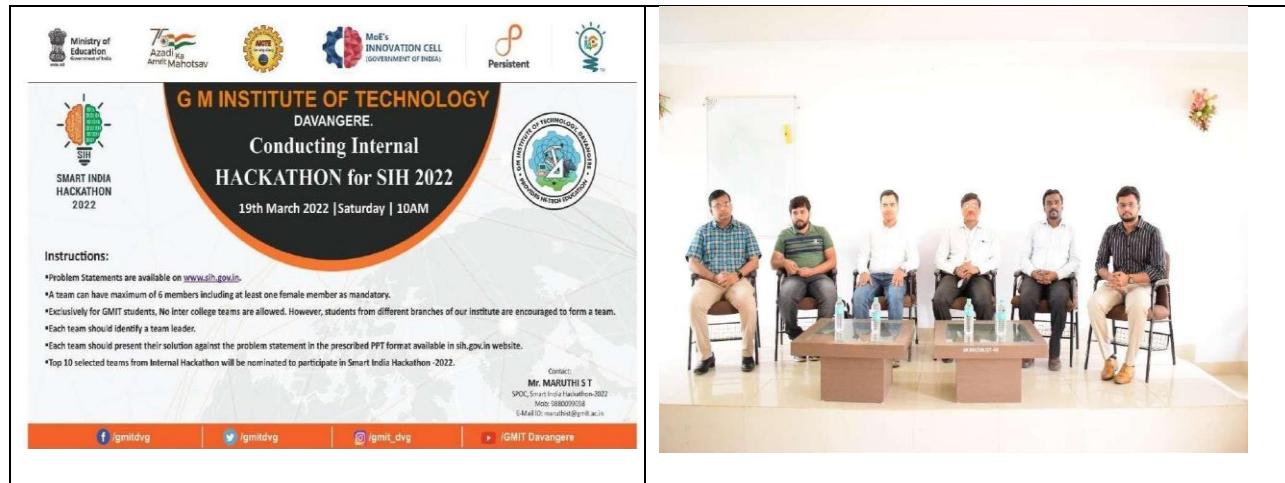




**Ms Chaitra K G** Assistant Professor, Department of Computer Science and Engineering, conducted an activity on **Discrete Mathematical Structure** for Third sem A section students on 4/3/2022 to 7/4/2022.



## About the Event- Internal Hackathon 2022



As a part of **Smart India Hackathon-2022**, the institute has conducted **Internal Hackathon** on 19<sup>th</sup> of March 2022 in civil seminar hall. 23 teams from various branches presented their ideas for the problem statements mentioned in SIH website. Few ideas from the presentation were from student innovation category. Each team consists of 6 team members where one female candidate was mandatory. **Dr. Y Vijayakumar**, Principal, GMIT addressed and motivated the students to give their best. **Mr. Kamlesh**, CEO, **Mr. Karthik**, Developer from **Sookshmas E Learning Pvt. Ltd.**, and **Dr. Bharath K N**, Dean, Research and Innovation were the jury members for the competition. **Mr. Kattimani T R**, Head, Dept. of Training and Placement graced the occasion to inspire and fill the competitive spirit among students. **Mr. Maruthi S T**, SPOC-SIH 2022 coordinated the whole event along with all department SIH coordinators and students. As a result, top 10 teams were shortlisted for SIH nominations and the next 5 teams were selected under waiting list category.





**Internal Audit Academic Year 2021-2022:**



Internal Audit Academic Year 2021-22(ODD sem) was conducted under **Dr. B K Varun**  
Assistant Professor, Department of CIVIL on 24/02/2022.

## Conferences:

Department of Computer Science & Engineering has bagged Best Paper and Best Presentation Awards in 2<sup>nd</sup> International Conference on Emerging Trends in Science, Engineering and Management (ICETSEM 2021) held on 15th and 16th of July 2021. Principal, HoD, Staff and Students of the department congratulated the teams.

Type of award	Title and Paper ID	Under the Guidance	Faculty	Student Team
Best paper	Face Mask Detection and Thermal Scanner for Covidcafé ICETSEM_2106231654	Sandeepa G S		Karthik M Hadagali, Rithika Reddy V B, Pradeep Kumar B S, Priyanka M N
	POTHOLE DETECTION ICETSEM_2006253709	Santosh Kumar M		Rekha H R, Sahana G N, Swapna M Sogi, Tejaswini B U
	Hello GMIT – Search Engine Optimization to enable audio ecosystem for localization of ALEXA ICETSEM_2506243568	Dr Mouneshachari S		Anandachari M M Prajwal M P Vidyasagar K O
Best paper Presentation	Android Application for Health Care Management ICETSEM_3006190326	Dr. Sanjay Pande M B		Pooja MR, R opa KJ, Saleena AB, Usha KS





# CERTIFICATE OF PRESENTATION




## 2<sup>ND</sup> INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN SCIENCE, ENGINEERING AND MANAGEMENT - 2021

15<sup>th</sup> & 16<sup>th</sup> July 2021 | Virtual Conference

Certificate No. IFERP20211507-2506306497

This is to certify that **SANTOSHKUMAR MAHENDRAKAR** of  
Vishweshwaraya Technological University presented his/her research  
paper titled **Survey on Growth Prediction of Plants using Image Processing and Machine Learning**  
in the  
"2<sup>nd</sup> International Conference on Emerging Trends in Science, Engineering and Management (ICETSEM-2021)" Organized by  
Department of Electronics and Communication Engineering, GM Institute of Technology, Davangere, Karnataka, India held on  
15<sup>th</sup> & 16<sup>th</sup> July 2021.



  
**Dr. Praveen J**  
Convener | ICETSEM 2021  
IQAC Director  
Professor & Head (ECE)  
GMIT, Davangere, India

  
**Dr. Y. Vijaya Kumar**  
Patron | ICETSEM 2021  
Principal  
GMIT, Davangere, India



  
**Mr. Rudra B. Satpathy**  
CEO & Founder  
Institute For Engineering Research  
and Publication (IFERP)

Santoshkumar Mahendrakar, Assistant Professor in CSE, received Best Paper presentation Award in ICETSEM 2021, on the research topic "Survey on Growth Prediction of Plants using Image Processing and Machine Learning"