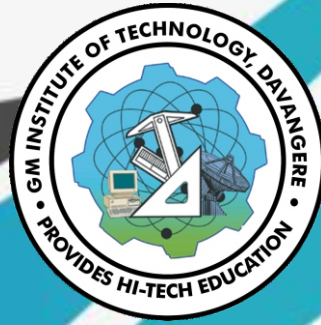


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E-News Letter



Volume - 3
Issue - 6



GMIT'S

REFLECTION

GM INSTITUTE OF TECHNOLOGY

Post Box No. 4, P.B. Road,
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JUNE
2022

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

DEPARTMENT EVENTS FOR THE JUNE MONTH – 2022

●01-06-2022: Forum Activity On

"PPT Presentation on Trending Technologies "



Technology has important effects on business operations. No matter the size of your enterprise, technology has both tangible and intangible benefits that will help you make money and produce the results your customers demand. Technological infrastructure affects the culture, efficiency and relationships of a business.

So forum Altitude has conducted the activity to give presentation on recent and trending technologies which will help the students to get more knowledge on these tools or technologies, and this activity also improves the communication and team coordination.

●07-06-2022 To 08-06-2022: Bridge course program on " Object Oriented Programming Concepts".

Resourse persons:Mr. Keerthi Prasad G, Mrs. Asha K, Mrs. Kavya N C Convener:Mr. Keerthi Prasad G

Bridge Courses are preparation courses made by several universities throughout the world. They are linking courses that link a student's introductory course.

So the department has conducted the bridge course program on Object oriented programming concepts for students of 4th semester, as these students have current semester subjects related to this concept, this bridge course program will help the students to learn OO programming techniques. And it will also help the students to develop projects using OOC.



●20-06-2022 : "Doubt clearance session" by Sookshmas Pvt. Ltd.



An internships allow you to gain a competitive edge. Doubt-clearing classes are said to remove the pre-examination jitters of students to a great extent.

Sookshmas has provided doubt clearing session for intership students of 2nd year AIML in which students can ask doubts which they got during intership classes and while doing projects. Mr. Karthik , Academic head in Sookshmas Pvt. Ltd. Came to take the session from the different teams of students.

●21-06-2022 : "Review on Internship Presentation " by Sookshmas Pvt. Ltd.

An internship provides the work experience that helps students put their education into practice, develop their leadership skills and give them a competitive advantage as they pursue a permanent position.

Sookshmas has provided intership for the 4th semester and the review on that intership was conducted on 21st of June in the department. Mr. Karthik , Academic head in Sookshmas Pvt. Ltd. Came to take the presentations from the different teams of students.



DEPARTMENT OF BASIC SCIENCE

1. Paper Published @ Scopus International journal

Dr. Swaroop K, (Asst. Professor, Dept. of Physics) has published an Research Article (Scopus) entitled "Effect of Cation Concentration on Structural, Morphology, Optical Properties of Zinc-Nickel Ferrite Nanoparticles" in Materials Letters, Elsevier publication (Scopus Indexed) on 21st June 2022.

Materials Letters: X 15 (2022) 100136

Contents lists available at ScienceDirect

Materials Letters: X

journal homepage: www.sciencedirect.com/journal/materials-letters-x

Effect of cation concentration on structural, morphology, optical properties of Zinc-nickel ferrite nanoparticles

R. Thejas^a, T.L. Soundarya^b, G. Nagaraju^b, **K. Swaroop^c**, S.C. Prashantha^d, M. Veena^e, E. Melagiriappa^f, C.S. Naveen^g

^a Department of Physics, School of Engineering, Presidency University, Bangalore 560004, India
^b Energy Research Laboratory, Department of Chemistry, Siddaganga Institute of Technology, Tumkur 572103, India
^c Department of Physics, G. M. Institute of Technology, Bangalore 570095, India
^d Department of Physics, East-West Institute of Technology-Bangalore 560091, India
^e Vasantrao Technological University, Belgaum, Karnataka 590016, India

ARTICLE INFO

KEYWORDS: Zinc-Nickel-Ferrite nanoparticles, Solution combustion, Structural, Bandgap energy

ABSTRACT

Zinc-Nickel Ferrite (Zn_{1-x}Ni_xFe₂O₄) nanoparticles were synthesized by solution combustion method using urea as a fuel and varying the cation concentration (x = 0, 0.2, 0.4, 0.6, 0.8, 1). The effects of cation concentration, on the crystallite size, morphology, absorption properties have been studied. The X-ray diffraction and FTIR results confirm the formation of single-phase spinel structure of Zinc-Nickel Ferrite nanoparticles. FESEM and TEM study reveals the formation of uniform spherical shape distribution of Zn_{1-x}Ni_xFe₂O₄ nanoparticles. The bandgap values were calculated for the prepared samples using UV-Visible spectrophotometer.

2. Symposium participation @ International Level

Dr. Pavithra K S (Asst. Professor, Dept. of chemistry) has been attended "Springer Nature Science and Technology Symposium 2022", a global virtual forum where senior leaders from research, academia, publishing, technology, government representatives and policy makers organized by Springer Nature India on 21st June 2022.



3. Webinar Participation on Holistic Health and Sustainable Development

Ms. Mamatha S R (Assistant Professor, Dept. of Mathematics) has been attended in "International Webinar Series on Holistic Health, Well Being and Sustainable Development", organized by IWSHHWBSD on 23rd May 2022.

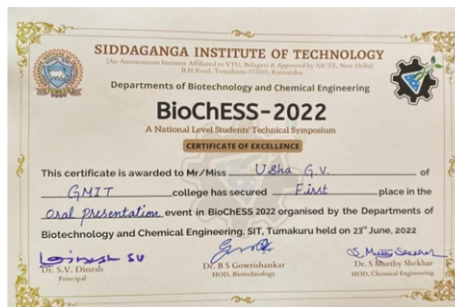


DEPARTMENT OF BIOTECHNOLOGY

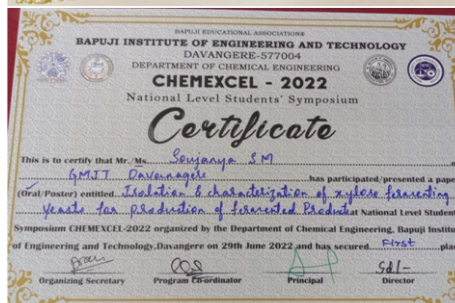
STUDENT ACHIEVEMENTS:

Three students from sixth semester, **Rakshitha R Kamath, Simran S Revankar and Usha G V** have bagged **First prize** in **Oral Presentation** event in “**BioChESS-2022**” on the topic

“**Synthesis of nanocellulose from sugarcane bagasse using acid hydrolysis method**” organised by the **Department of Biotechnology and Chemical Engineering, SIT, Tumakuru** held on **23rd June, 2022a**



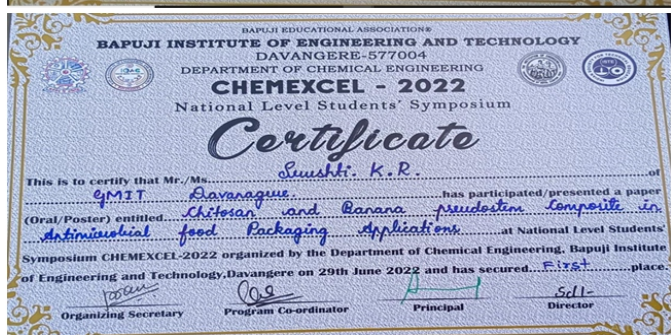
Four students from eighth semester, **Anusha P M, Abuzer, Pallavi K E and Soujanya S M** have bagged **First prize** in **Oral Presentation** event in “**Chemexcel- 2022**” on **29th June, 2022** organised by the **Department of Chemical Engineering, BIET, Davangere** on the topic “**Isolation and characterization of xylose fermenting yeasts for production of fermented products**” guided by **Mr. Ganesh G. Tilve, Assistant Professor, Department of Biotechnology**



Four students from eighth semester, **Meghana D, H S Sadaf Naaz, Niveditha B M and Chetan T** have bagged **Second prize** in **Oral Presentation** event in “**Chemexcel- 2022**” on **29th June, 2022** organised by the **Department of Chemical Engineering, BIET, Davangere** on the topic “**Isolation of Solanidine from Solanum tuberosum**” guided by **Miss. Shalini Billa, Assistant Professor and co-guided by Dr. Gurusurthy H., Professor, Department of Biotechnology**



Two students from sixth semester, **Srushti K R and Sahana K S** have bagged **First prize** in **Poster Presentation** event in “**Chemexcel- 2022**” on **29th June, 2022** organised by the **Department of Chemical Engineering, BIET, Davangere** on the topic “**Chitosan and Banana pseudostem composite in antimicrobial food packaging applications**” guided by **Mr. Rakesh N R, Assistant Professor, Department of Biotechnology**



Following students have participated in BioChess -2022 and Chemexcel-2022:

Name	Semester	Oral/Poster	Title
Aishwarya Saakare Anjali P. Bhoomika K. Deepthi C. B. (Biochess and Chemexcel)	6 th	Poster	Preparation of incense sticks using areca husk
Bhavana V S Bindu G M Harshitha V L Keerthana L Shruthi S (Biochess)	4 th	Poster	Areca catach
P Pooja Abhiram Mithur Shwetha G B Megha lakshmesh K (Chemexcel)	8 th	Oral	Production of wine from <i>Plumeria rubra</i> by using yeast
Tasbianjum A P Mujassim G Suma M A Vijay K S (Chemexcel)	8 th	Oral	Devising of organic eco-friendly compost fertilizer for value added crops
Sahana C N Sandesh T K Sinchana H S Sneha P C (Chemexcel)	8 th	Oral	Extraction and evaluation of biocontrol agent for plant biowaste stress
Bhavana S Onkari Honnu P M Pooja M Agadi Siddharth Gouda P (Chemexcel)	8 th	Oral	Hydroponics plant cultivation using organic nutrients
Ashwini S V Nikhil Madwachar K V Tejaswini G (Chemexcel)	8 th	Oral	Production of biocouture utilizing SCOBY
Rahul Sahukar R Bhoomika B Madhu Kammar Yashaswini K V (Chemexcel)	8 th	Oral	A study of identification of value added products from sweet potato
Chinmayi NR Manjunath Sonnad Jeevitha M (Chemexcel)	8 th	Oral	Production and Quality evaluation of soymilk yogurt with added nutritional value

FACULTY ACHIEVEMENTS: Mr. Ganesh G. Tilve, Assistant Professor

Mr. Ganesh G. Tilve, Assistant Professor has successfully completed **Course Work examinations (Part-I)** for his Ph.D registered under **Dr. Seema J. Patel**, Associate Professor and Chairman, Department of Studies in Biotechnology, Davangere University. The exams were held between 18th- 24th June, 2022. He has scored **322/400** marks and secured **80.50%** in the examinations. With this, he has successfully completed Part-I, registration is confirmed and allowed to begin research work for thesis submission.



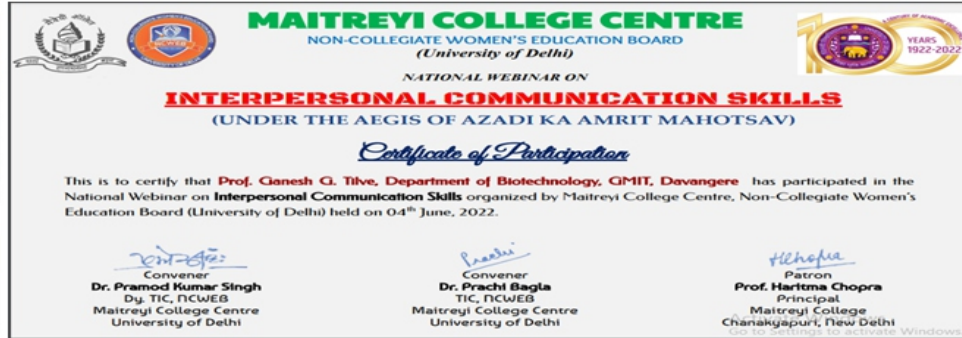
COURSE WORK DOCTOR OF PHILOSOPHY IN BIOTECHNOLOGY June 2022 Examination	
Register number	: 21PHBT03 Student Name : GANESH G TILVE
Father Name	: GOPAL V TILVE Mother Name : SHOBHA G TILVE

RESULT SHEET (Provisional Result)							
Sl.No.	Subject Name	Th. / Pr.	Univ Exam	Viva	IA	Total	Remarks
1	COURSE - I : RESEARCH METHODOLOGY	Th.	59	-	22	81	Pass
2	COURSE - II : COGNATE / CORE SUBJECT	Th.	49	-	24	73	Pass
3	COURSE - III : FIELD OF SPECIALIZATION	Th.	62	-	24	86	Pass
4	RESEARCH AND PUBLICATION ETHICS	Th.	28	-	14	42	Pass
5	VIVA VOCE	Pr.	-	40	-	40	Pass

Passing Criteria: 40% in course end examination and 50% in subject including continuous assessment marks.

RESULT SUMMARY	
Max. Marks : 400	Sec. Marks : 322
Percentage : 80.5	Result : Pass
College : 8027 - DEPT OF BIOTECHNOLOGY, DAVANGERE UNIVERSITY, DAVANAGERE	

Mr. Ganesh G. Tilve, Assistant Professor, has participated in national webinar titled **“Interpersonal Communication Skills”** organised by **Maitreyi College Centre, Non-Collegiate Women's Education Board (University of Delhi)** held on 4th June, 2022.



Mr. Ganesh G. Tilve, Assistant Professor, has actively participated in **one week professional development program** on **“Avenues of Biotechnology”** organised by **Department of Biotechnology, SRM Institute of Science and Technology, Chennai** conducted from 20/06/2022 to 26/06/2022.

Dr. Gurumurthy H, Professor, Department of Biotechnology submitted a business plan under **MANTHAN: 2022**. This plan has been selected for **next level**.



TITLE: WASTE WATER TREATMENT AND GENERATION OF ELECTRICITY BY ALGAE.

TEAM MEMBERS:

1. Sindhu Rajeevagouda Patil (4GM20BT054)
2. Namitha H.N. (4GM20BT034)
3. Tanaya Tiwari. (4GM20BT057a)

DEPARTMENT OF CIVIL ENGINEERING



Department of Civil Engineering has organized Industrial trip to **Dams and Hydro Electric Power Plant** for 8th semester students from 2nd - 3rd June 2022.

Department of Civil Engineering has organized a technical session on **“Civil Engineering Softwares”** on 6th June 2022 in association with **SKETCHPAD Designers & Engineers, Tumkur.**



Sampling plantation in the GMIT Campus on the occasion of World Environment Day organized by the Department of Civil Engineering, Chief Guest was Mr. Lingaraju G M, Chairman, GMIT, Davanagere, Beloved Principal Dr. Y Vijaya Kumar, Dr. Y B Bharatharaj Etigi, Head, Civil Department, Heads of various departments, teaching and non-teaching staffs were present.



Department of Civil Engineering has organized Technical visit to Smart City Office, Davanagere on 29th June 2022.



4th and 6th Semester students submitted proposed working model of Sangolli Rayanna Circle and Gandhi Circle, Davanagere to Smart City Office, Davanagere

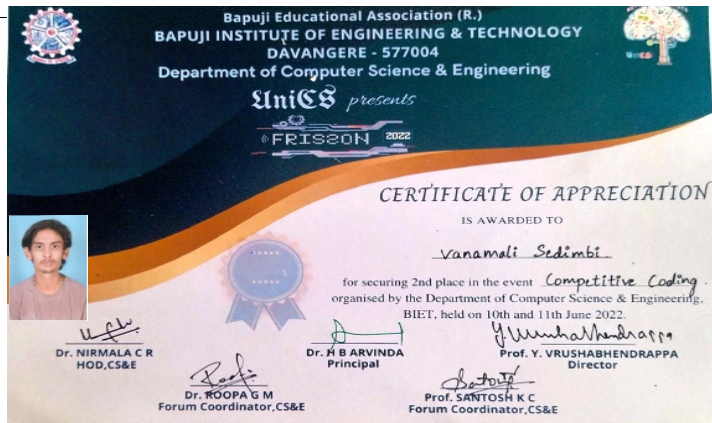


COMPUTER SCIENCE AND ENGINEERING

Student Achievements:

Mr. Sagar Patil has secured **First Prize** in the event of **Product Marketing** at Info - Arohana 22, organized by INSYNC forum of Information Science and Engineering Department held at BIET Davanagere on 26th and 27th May 2022.

Mr. Sagar Patil, 6th semester student, submitted his project, Title: **Anti-Piracy** to Smart India Hackathon. Sagar team is shortlisted for Smart India Hackathon 2022.



Mr. Vanamali Sedimbi and **Mr. Pranav V** got **Second Place** in the event **Competitive Coding** organised by the Department of Computer Science and Engineering, BIET, Davanagere, held on 10th and 11th June 2022.



Mr. Vanamali Sedimbi and Mr. Pranav V got **Second Place** in the event **Fxit** organised by the Department of Computer Science and Engineering, BIET, Davanagere, held on 10th and 11th June 2022.



Mr. Deepu R Heggere and Mr. Kantesh M S secured **First Place** in the event **Graphic Designing** organized by the Department of Computer Science and Engineering, BIET, Davanagere, held on 10th and 11th Jun 2022.



Rajani Radhakrishnan, Systems Lab - University Initiative, IBM India Pvt Ltd, and team members from IBM with Dr. Bharath K N, Dean R&I, with Head and Faculty Mr. Murgesh V J with Mr. Suchith V S and Mr. Jnanidhi M



Rajani Radhakrishnan, Systems Lab - University Initiative, IBM India Pvt Ltd, interacting and evaluating Agri Trade Application designed by Mr. Suchith V S 6th semester student.



Mr. Akhil Aendapally, working as Architect, in AWS Solutions, New York USA, and Ms. Pavithra Y, New Jersey USA, interacting with Mr. Sagar and team about Movie Piracy.

Faculty Achievements:



Journal of Education, Society and Behavioural Science 2022 awarded **Dr Sanjay Pande M B** in recognition of an outstanding contribution to the quality of the journal.



Mr. Niranjana Murthy C, a research fellow with the USN: 4GM18PCS01 Research Centre computer science and engineering supervisor Dr. Sanjay Pande M. B, finished colloquium on 8th June 2022.



ASDF and the ICMM 2022 Organizer certifies that Dr. Sanjay Pande M B has contributed to ICMM 2022 as Technical Reviewer.

ICMM 2022: International Conference on Marketing and Management 2022 is hosted by E CONFERENCES aiming to bring individuals together to exchange and share their research experiences on all aspects of Marketing and Management, Held on 11th and 12th March 2022 in Seoul, South Korea.

Faculty Development Program [FDP]:

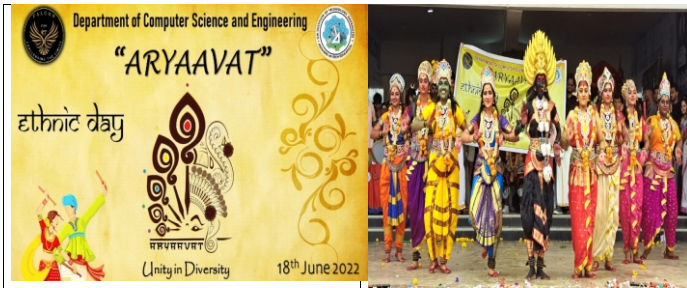


Mr. Kotreshi S N, Assistant Professor, Dept. of CSE has successfully participated in a Three Day Online Course on **Web Technology** organized by the **Siddaganga Institute of Technology**, Tumakuru and the Centre for Development of Advanced Computing (C-DAC), Thiruvananthapuram held during 9th May 2022 to 11th May 2022.



Mrs. Sandhya R Savanur has successfully completed the 5 day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 28th March, 2022 to 1st April, 2022.

Ethnic Day:



GMIT conducted College level cultural program Ethic Day on 18th June 2022. Students of Computer Science and Engineering secured **First Place** in the **Theme Presentation**.

AICTE Activity:



AICTE-activity Points earning program conducted on June 24th and 25th, at Doddabathi, HaleBathi and Neelanahalli villages. AICTE activity Staff coordinator **Mr. Shankar Shastri** coordinated the students in Hale Bathi village. VI and VIII CSE students giving awareness about recent technologies, women empowerment and water conservation systems.

Fresher's Day:



Department of CS&E conducted a **Freshers Day** on 3rd June 2022. **Dr. Y Vijay Kumar** principal, **Mr. Tejasvi Kattimani T R** Training and Placement Coordinator, **Dr. Sanjay Pande M B** Head of CS&E Department and **Mr. [Name]**, launched the new logo of **FALCON** and distributed prize and certificates for those students who got place in various competition conducted under **FALCON** like Best out of waste, Drawing Competition, Poster Presentation **Mr. Maruthi S T** and Student coordinator organized the freshers day and made grand success.

Workshops:



Mr. Santosh Kumar M, Assistant Professor, Dept. of CSE and **Ms. Meghana G H**, Assistant Professor, Dept. of CSE conducted **Five days Bridge Course on Object Oriented Concepts** for 4th semester students from 6th June 2022 to 10th June 2022 in Kalpana Chawla Seminar Hall.

Mr. Sri Ganesh is a alumni, who gave the information about Object Oriented Concepts, how these OOC concepts are used and implemented in projects are explained by him. **Dr. Y Vijay Kumar, Dr. Sanjay Pande M B and Mr. Tejasvi Kattimani T R** were addressed gathering.



Prof. Sidde Gowda, EC member VTU, Prof. Anand, RGIT, Belagavi, Prof. Arun Kumar GIT Belagavi, and Experts from University visited the Design Thinking Laboratory and interacting with Suhas and team, Vaishnavi and team, Sagar and team, about the innovative roject implemented by the students.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Content 1: Best Paper Award Certificate-NGIEC, 2022

1. Best paper (Gold) in NGIEC-2, 2022



Mr. Rajappa H S and Mr. Rajendra S Soloni, Assistant Professor, Department of Electronics and Communication Engineering, recieved Best paper (Gold) in NGIEC-2, 2022 for the “Simulation of textile antenna for wearable applications at ISM Band” at National Conference on Next Generation Intelligence in Electronics and Communication engineering (NGIEC-2) on June 13th-14th, 2022, organized by East Point College of Engineering and Technology, Bengaluru.

2. Best paper (Silver) in NGIEC-2, 2022



Mr. Rajappa H S and Mr. Rajendra S Soloni , Assistant Professor, Department of Electronics and Communication Engineering, recieved Best paper (Silver) in NGIEC-2, 2022 for the “Design of Dual band Microstrip Patch Antenna for Wireless Applicaions” at National Conference on Next Generation Intelligence in Electronics and Communication Engineering (NGIEC-2) on June 13th-14th, 2022, organized by East Point College of Engineering and Technology, Bengaluru.

Content 2: Resource Person



Mr. Raviteja Balekai, Assistant Professor, Department of Electronics and Communication Engineering, delivered a Technical Talk for a workshop on the topic "Avenues of Internet of Things and its Research Scope" organised by IEEE Mangalore Subsection on 28th May 2022.

Content 3: Technical Paper Presentation



Mr. Suprith P.G, Assistant Professor, Department of Electronics and Communication Engineering, presented a technical paper on "The Novel Human Recognition of Deep Image Processing" in the International Conference on Engineering Innovation Organized by Jain Institute of Technology - [JIT], Davanagere on 3rd June 2022.

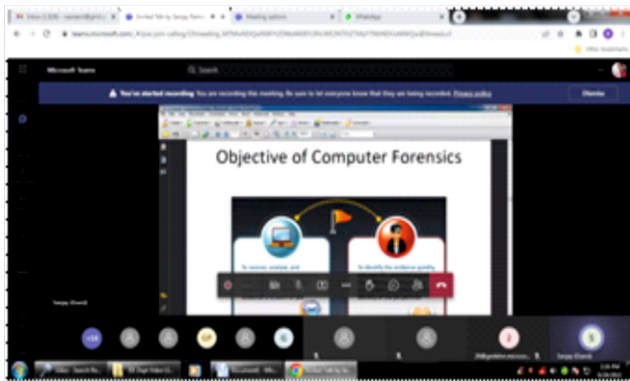


Dr. Murugendrappa N, Associate Professor, Department of Electronics and Communication Engineering, presented a technical paper on "The Novel Human Recognition of Deep Image Processing" in the International Conference on Engineering Innovation Organized by Jain Institute of Technology - [JIT], Davanagere on 3rd June 2022. Mr. Suprith P.G, Assistant Professor, Department of Electronics and Communication Engineering, presented a technical paper on "The Novel Human Recognition of Deep Image Processing" in the International Conference on Engineering Innovation Organized by Jain Institute of Technology - [JIT], Davanagere on 3rd June 2022.

INFORMATION SCIENCE AND ENGINEERING DEPARTMENT

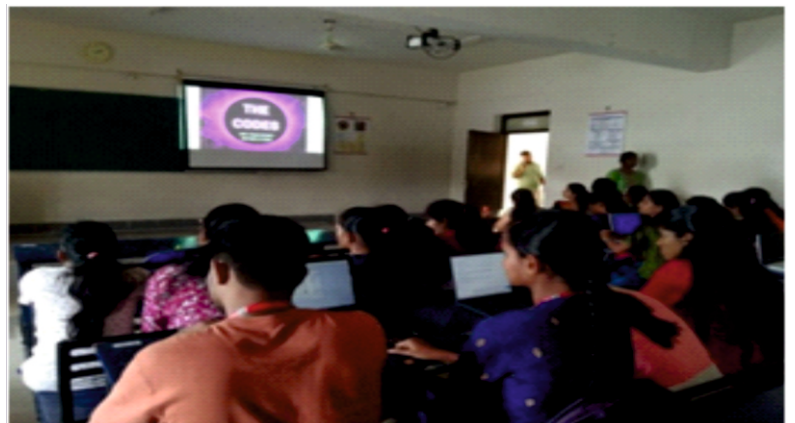
1. Invited Talk on "Cyber Security"

The Department of ISE organised an Invited Talk on "Cyber Security" under the banner of Forum Exotic on 24-06-22. Resource person Sanjar R Jain, GMIT Alumni and Principal Engineer at Altisource enlightened the IS and E students about Cyber Security and forensics through an online platform.



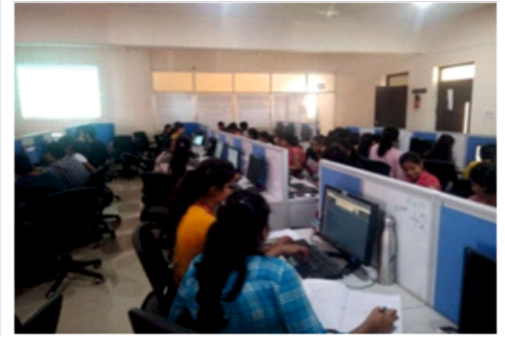
2. Coding competition

The Department of IS and E organised a Coding competition "CODES" under the banner of Forum Exotic on 09-06-22. Students were given 3 tricky programs and 2 hours duration to implement those programs. The competition was won by Shreya Upadhyya, 4th semester IS and E student.



3. Training program on “Think Python”

Dr. Neelambike S and Mr. Vishvanath V K, Asst professors in IS and E department organized a two day technical training 3 program on “Think Python” in collaboration with IQAC-GMIT and Bhimart Bengaluru on 3rd and 4th June,2022.



Resource person for this training was Mrs.Vaishnavi, GTT Pune. Targeted audience are 4th Semester IS and E students. With this training students will be able to explore the knowledge of Python Programming and also helpful to crack upcoming placements interviews.

4. Journal Publications

[1] Under the guidance of Dr. Sunil Kumar B S, Professor and Head, Dept. of IS&E department. Final Year students Amruth Kumar M V, Harsha S V, Nehal V and Shiva M N had published the paper in International Journal of Research and development in Technology with the title “ Automation of classroom using IoT”.



[2] Final Year students of ISE Nagachandan, Sanjana, Vinay and Vaishnavi had published the paper in International Journal of Research and development in Technology with the title “Malware detection using Machine learning” under the guidance of Assistant professor Amith Shekhar.



5. Industrial Visit

The 4th semester students of ISE had visited GM AGRO AND BEVERAGES on 2nd June 2022. In This industrial visit, Students gained knowledge about various aspects like Industrial raw materials, process of automation in production, various machines and sensors used for production, as well as marketing and managerial strategies. The students were accompanied by Assistant professors, Imran khan and Bhoomika.



2. Industrial Bridge Course on “POP to OOP”


Mr. Imran Khan, Asst professors in IS and E department organized a two day bridge course on “POP to OOP” in collaboration with Sookshmas E-Lea rning Pvt. Ltd. Bengaluru and IQAC-GMIT on 21st and 22nd June,2022.

Resource person for this training was Mr. Karthik, from Sookshmas E-Learning Pvt. Ltd.

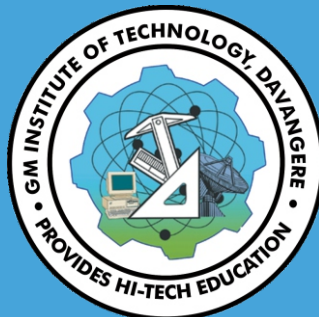
Bengaluru and Mr.Imran Khan, Asst. Professor, GMIT, DVG. Targeted audience are 4th Semester IS and E students.



DEPARTMENT OF STUDIES IN MANAGEMENT

Sl. No	Date	Title of the event	Description	Photo
1.	30 th May 2022 to 3 rd June	Certificate of Participation 10 Hours FDP on DIGITAL MARKETING conducted by ICT Academy	Dr. Gururaj Phatak participated in Participation 10 Hours FDP on DIGITAL MARKETING conducted by ICT Academy	

DEPARTMENT OF MECHANICAL ENGINEERING



Srishyla Educational Trust (R), Bheemasamudra - 577 520

GM INSTITUTE OF TECHNOLOGY

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