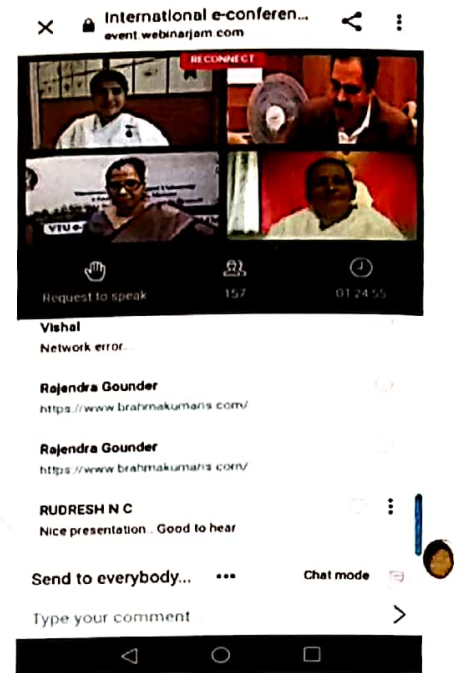# Cache - CSE :

Participation in Two day online International Conference On "Atmanirbhar Bharat: Turn crisis into an opportunity"

Participation in Five day online Webinar series on "Soft Skills" by Infosys Campus Connect

Dr. Sanjay Pande M B, Professor and Head and Mr. Rudresh N C, Assistant Professor of CS&E department have attended Five day online webinar series on "Soft Skills" conducted by INFOSYS Campus Connect from 3rd to 7th August 2020. The agenda of the webinar was to improve the teaching skills with respect to body language, appearance, facilitation skill, structure of communication, power of storytelling, presentation skill and so on.

Host "Prachi Awasthi" Speaking

Resource person "B K shivani"

Mr. Rudresh N C, Asst. professor has attended two day online International Conference on "Atmanirbhar Bharat: Turn crisis into an opportunity" conducted by Department of Management Studies, VTU, Belagavi on 20th & 21st August 2020. First day, B K Shivani and B K Piyush, Motivational Speakers addressed the participants later on second day Dr. E V Swaminathan and Golo J pilz, Advisor Renewable Energy, motivated the participants towards Atmanirbhar Bharat Abhiyaan.

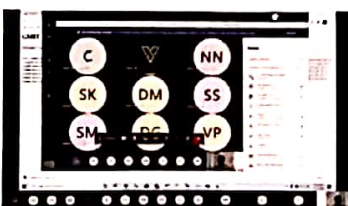### MOU with ENDFRII TECHNOLOGIES ,Davanagere

For the benefit of students, Department of Computer Science & Engineering has signed a Memorandum of Understanding with ENDFRII TECHNOLOGY, Davangere on 14th August 2020. The major agenda of the MoU is to provide a platform for the students to involve in product development activities at industry.

Also, understanding the various approaches / methods in the development and deployment of standalone, web and mobile applications. Software Engineering issues plays an important role in the application development process. The practical exposure of the application development may enable the student to experience the industry process in software development paradigm.

Five Day online Hands-on workshop on "Web application development using PHP and MySQL"

Five day online hands-on workshop on "Web Application Development using PHP and MySQL" was conducted from 27th to 31st of August 2020. This event was conducted for 5th semester students as per Database Management Systems Theory & Laboratory requirements.

This workshop mainly focused on various tools and techniques available for Database Creation & its deployment, its management through front end interface using PHP. Students can utilize this skillset for their mini-project development & in future for their career development. Around 50 students from 5th semester participated in this workshop and made the workshop successful. This event was coordinated and conducted by Dr.Mouneshachari S, Associate Professor, and Department of CSE.
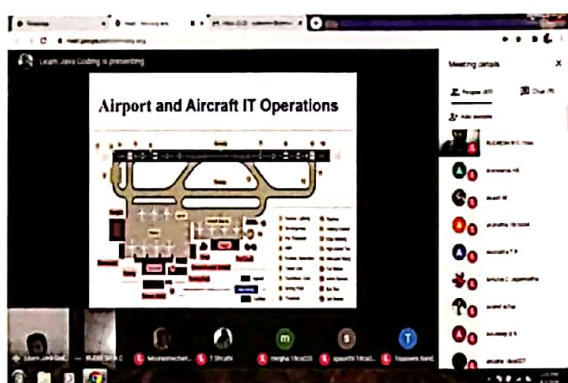
The Best Outgoing Student Award 2019-20

In continuation with the tradition in the Department of Computer Science & Engineering, **The Best Outgoing Student Award 2019-20** was shared by two nominations namely **Ms. Shwetha Muttappa Muchudi** and **Mr. Shazaib Khan** of final year 2019-20. This award was presented by Dr. Y Vijaya Kumar, Principal, GMIT, Davangere in presence of all the staff members of Department of Computer Science & Engineering. This event was held on 26th August 2020 in Kalpana Chawla Seminar Hall, GMIT, Davangere.
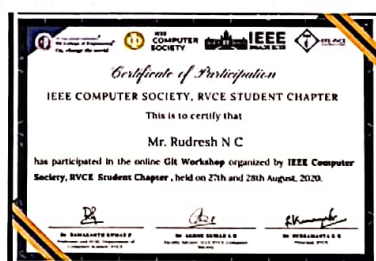
REFLECTION

Cache - CSE :

Technical Talk On "Aircraft IT-Maintenance operations"

Interaction between Resource person and the students

Mr. Rudresh N C, Asst. professor has conducted an Online Technical Talk for 5th and 7th semester students of CS&E on 03-09-2020, the expert Vishwanath L, Lead software Engineer and Technical product owner, Boieng India private limited has shared the knowledge on the title "Aircraft IT-maintenance operations". Also he emphasized software roles in aircraft field, its security feature, technical designing of aircraft theory, law of motion and so on. At the end of session, feedback form link was shared among all the participants, those who were submitted the form have received"E-certificate".

Two day online Workshop On "GIT Workshop"

Mr. Rudresh N C, Asst. professor has attended two day online workshop on "GIT Workshop" conducted by IEEE Compu society, RVCE student chapter, on 27th & 28th of August 2020.First day, the resource person Anand Jagadeesh, secretary, IEEE computer society Banglore, covered the basics of GIT and later, he focused on Merge and Debase. On second day, he covered hosting a personal portfolio or a project web landing page using GitHub pages.

Webinar On "Stress Management"

Mr. Rudresh N C, Asst. professor has attended a Webinar on "Stress Management" organized byIETE Mysore centre, on 31st of August 2020.The resource person Shalini k Sharma, Head, Counseling and Welfare, NIMHANS, Bangalore, has given the awareness on relaxation exercise, time management and cognitive intervention and mindfulness based approaches.

CO - PO Mapping Meetings -   8th Sept. 2020 to 24th Sept. 2020

The discussions on CO-PO mapping was initiated and a introductory lecture session on **"How to define Course Outcomes for any engineering Subjects(courses)"** by **Dr. Sanjay Pande M B**. The process of CO-PO mapping for the respective courses taught by the faculty was continued During afternoon sessions. The discussions were held with specific reason and need for allotting weights for all the POs to the relevant COs . It was also decided to inform the university about the inconsistency of COs for few courses. The time table was drawn for at least one Faculty to present their defined CO-PO mapping. All the faculty were present during the sessions. After every presentation Program Co-Ordinator, DQAC and Course Co-Ordinator have approved and finalised the CO-PO matrix of each course.

Dr.Sanjay Pande MB, Presenting Introduction to define Course Outcome

Mr. Aruna Kumar B T presenting the CO-PO matrix

GMIT –Now it is Cashless Campus!

Cashless campus

Our Management has empowered GMIT campus by enabling digitization through cashless payment solutions. The main objective of this system is to make all the transactions in the campus without hard cash.

Results – VIII Sem -2019-20:

Branch	Sem	Year	Percentage
CSE			100
ISE			96.55
ECE	VIII	2019-20	97.56
ME			95.04
CIVIL			98.8
BT			100
Overall	97.58		

"Inspiring Innovative Faculty Award 2020"

Dr.Mouneshachari S, Associate Professor, Department of Computer Science & Engineering, GM Institute of Technology, Davangere has received National level "Inspiring Innovative Faculty Award 2020" on 05th September 2020 by Madras Journal Series Pvt. Ltd., Chennai. This award is presented because of the contribution in innovative ideas/knowledge related for bonding the Science concepts/Engineering/Technology with society. Dr. Sanjay Pande M B, HoD, CSE and all the colleagues of the Department appreciated the achievement.

Mrs. Sushma S G, Asst. Professor,Department of Computer Science & Enginerring, GMIT has been invited as a resource person for Orientation Programme, which was organized and conducted by DAVAN College, Davangere. To motivate students towards technology, she delivered a talk on "Current Trends in Technology". In this, she explored about the need of Cloud Computing , Artificial Intelligence and Internet of Things for the current and future requirements of the society.

A Technical Talk on "Role of Electrical Machines in the New Millenium"

A Technical Talk is organized on 24th September 2020. **Mr.Sunil Naik**, General Manager-Technical,CIMIC Industries, Tumkur addressed the circuit branches (CSE,ISE & ECE) staff regarding the challenges in design, working, manufacturing of electrical machines as per the needs of current research and developments.

Prof.Krishnan, RAK Analytics, Bangalore enlightened the gathering, about patent, quality publications & research in association with international and national universities.

Dr. Divyananda K, GC Member, GMIT, **Dr. Y Vijayakumar**, Principal, GMIT, **Dr. Sanjay Pande M B**, Prof & Head(CSE), **Dr. Sunil Kumar B S**, Dean Academics & Head(ISE), **Dr. Hadimani H**, Prof & Head(ECE) were present in the program.

Dr. Mouneshachari S, Assoc. Prof and **Mr. Maruthi S T**, Asst. Prof, Department of CS&E Coordinated the event.

Cache - CSE :

Patent publication

Mr. Aruna Kumar B T, Assistant Professor filed and published a patent, titled "**A Novel Model for Work life Balance and Methods thereof**" bearing application number 202041043056A on 09.10.2020. The field of invention is Computer Science: The present invention relates to a system managing work life balance using AI & ML. Management, Principal, HoD and all the staff members of the Department appreciated the great achievement.

FDP on Virtual Lab Sessions

Dr.Mouneshachari S, Associate Professor attended Five day Faculty Development Programme on Virtual Lab Sessions organized and conducted by Visvesvaraya Technological University, Belagavi in association with NITK, Suratkal. Day – 4 was exclusively conducted for CSE / ISE and all allied Engineering branches. Dr. Sheena Suresh explored about the various approaches on Cognitive learning. Later Mr.Mohith R T demonstrated the simulation of Computer Networking experiments, developed by IIT, Karagpur. A hands-on session was conducted on Computer Programming Lab, Data Structure Lab, Problem Solving Lab, HTML and so on.
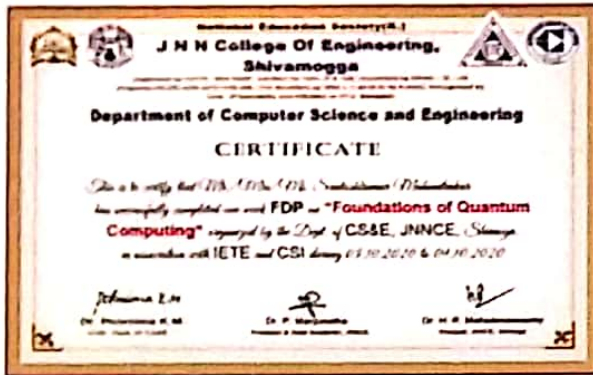
Paper publication

Dr.Sanjay Pande M B, Professor and HoD has received an acceptance notification for the paper titled "**Early Detection of Parkinson Disease Progression using Gaussian Naïve Bayes Machine Learning Approach by identifying Degeneration in Basal Ganglia Regions**" from International Journal of Engineering and Advanced Technology (IJEAT) bearing ISSN : 2249-8958 (online), Volume-10, Issue-1 and it has been published on 30th of October 2020.

Dr.Sanjay Pande M B
Head, Dept. of CSE

Mr. Santoshkumar M, Assistant Professor attended one week online Faculty Development Programme on **"Foundations of Quantum Computing"** organized by the Department of Computer Science & Engineering, JNNCE, Shimoga in association with IETE and CSI during 05.10.2020 to 09.10.2020.

ONLINE GROCERY SHOPPING MOBILE APP

This project was taken up during the COVID-19 pandemic outbreak. Everybody was searching for certain local solutions to control and fight against the pandemic. The proposed solution has been developed by utilizing the available components at the premise. An App developed for buying Grocery online has been designed in Collaboration with Information Science & Engineering, GMIT. App provides opportunity to by product online by digital payment with secured and safe process during this pandemic period. The development work done by Thippeswamy G N. (CSE), Keerthi Prasad(ISE) & Naveen R C M(ISE)with support of Principal, HOD of CSE and HOD of ISE Departments.
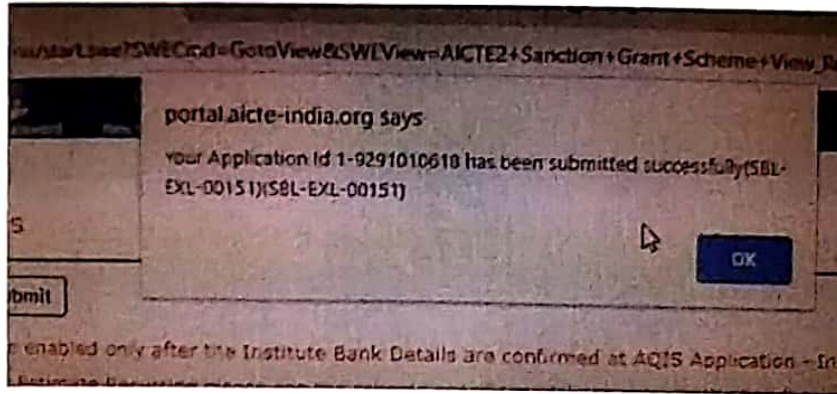
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Inauguration of Project development activities

Dr.Mouneshachari S published a patent titled **"A SINGLE WINDOW DOCUMENTATION PROCEDURE FOR MULTIPLE ASSESSMENT AND APPRAISAL REQUIREMENTS"** bearing Application number : 202041029920 on 13.11.2020 in the field of Computer Science. This patent is supportive or helpful while satisfying multiple assessment and accreditation requirements by using a single repository of documents.

Final year project development activities was inaugurated by Dr. Ganesh D B, Dean R&D, GMIT in presence of Dr. Sanjay Pande M B, HoD, Dept. of CSE and Mr.Shivanna, Research Coordinator, Dept of CSE. Ms.Anusha E M and Uma S G of Final Year, CSE were carried out the development of project titled **"Robotics and IoT based Vertical Agriculture for better crop production"** under the guidance of Dr.Mouneshachari S, Associate professor, Dept of CSE.

Mr.Shivanna   Dr. Sanjay Pande M B

Mr.Shivanna, Assistant Professor has successfully submitted an **AICTE – Scheme for Promoting Interests, Creativity and Ethics** among Students (SPICES) proposal bearing application ID 1-9291010618 under AICTE Quality Improvement Scheme (AQIS) on 30.11.2020 under the guidance of **Dr. Sanjay Pande M B**, Professor and HoD, Dept of CSE. The scheme SPICES is intended to support student's platforms to organize and conduct several activities connected to Technical, Personality Development and so on at the department level.

Mr.Arunakumar B T, Assistant Professor and **Mrs.Sushma S G**, Assistant Professor have attended and successfully completed **ISO 9001:2015 Quality Management System Internal Auditor Course** online training program on 9th and 10th November 2020. Training programme was conducted by **TUV India** Training Academy, Mumbai.

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Completed Comprensive Viva :

Mr.Niranjanmurthy C, Assistant Professor has successfully completed Ph.D. Comprehensive VIVA (online mode) on the research titled **'CLOUD BASED ARECANUT MONITORING USING IOT'** under the guidance of Dr. J Amutharaj, Professor and Head, Department of Information Science and Engineering, Rajarajeswari College of Engineering, Bengaluru during the month of December.

Webinar

A webinar on Entrepreneurship and Innovation as a Career opportunity under GMIT Institution's Innovation Council (GMIT IIC) was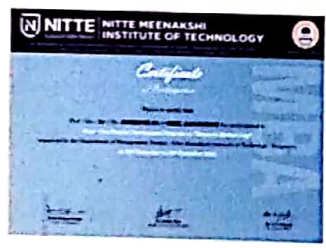 organized by the department on 21st December 2020. **Mr.Arasu Mathad** founder of Career Prime, Arasu Classes and Coffee Virama was the Resource person. Mrs.Sushma S G, Assistant Professor, Dept. of CSE welcomed the gathering. Ms.Neharani, student of 5th semester introduced our resource person.

Dr. Sanjay Pande M B HoD, Dept. of CSE addressed the gathering. Mr.Arasu in his speech created awareness among students about the Entrepreneurship stops unemployement in the country.

Excellence in Reviewing Award

Dr. Sanjay Pande M B, Professor & Head, Department of Computer Science & Engineering has received an award for **Outstanding Contribution to the Quality of Journal** titled Archives of Current Research International (ACRI), United Kingdom(UK).
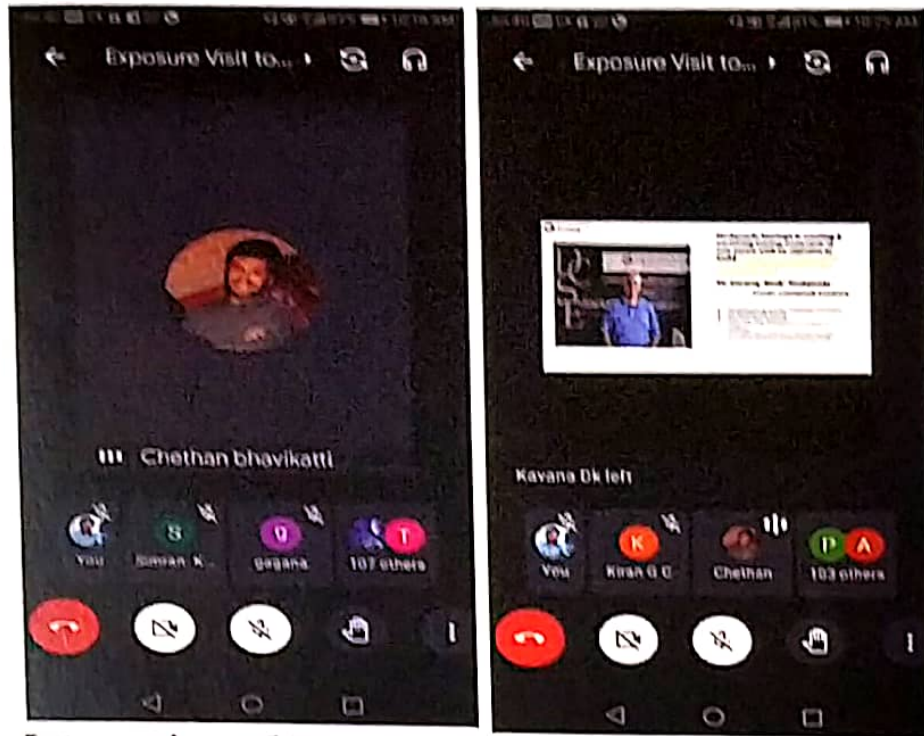
Mr. Kotreshi S N, Assistant Professor, has attended a Four Day FDP on **"Research Methodology"** organized and conducted by the Department of Management Studies, Nitte Meenakshi Institute of Technology, Bengaluru from 2nd to 5th December 2020.

Successful defense of the Thirteenth Ph.D. scholar

Mr. Manjunath S has successfully defended his research topic titled "Development of Techniques for the Automatic Extraction of Grade Detection of Brain Tumors Using Magnetic Resonance Images" under the guidance of **Dr. Sanjay Pande M B**, Professor and Head, Department of Computer Science & Engineering on 24.12.2020. With this, professor has successfully guided a total Thirteen Ph.D.s in his R&D career.

4

Startups Entrepreneurial Ecosystem :

Interaction of Resource person Mr. Chethan B M, Executive- Makers Lab, Deshpande startups, Hubli with participants.

Mr. Rudresh N C, Asst. Professor Dept. of CSE, has organized a virtual webinar on **"Startups Entrepreneurial Ecosystem"** in association with Entrepreneurship cell, GMIT, and Deshpande startups Hubli on 12th December 2020. Speaker Mr. Chethan B M, Executive-Makers Lab, Deshpande startups, Hubli briefed about the procedure and benefits of Entrepreneurship schemes with respect to different branches and utilities of virtual laboratories of Deshpande Startups. Also, he addressed the advantages of participating in programs such as learnathon, Makethon, Hackathon and so on.