# ELECTRONEWS

A Departmental Newsletter from

### **SMVITM**

Department of Electronics and Communication Engineering.



# **ELECTRONEWS**

#### From the editor's desk...

Warm greetings to the readers of ELECTRONEWS.

Welcome to this issue of Newsletter from the Department of Electronics and Communication Engineering. We are delighted to launch our Bi-Annual Newsletter "ElectroNews". This newsletter is a digital way for us to communicate with our students, faculty members, alumni and industrial partners. This newsletter will provide a glimpse of the departmental activities and achievements. Also, it enlightens the readers about the latest happenings in the department, focusing about different activities like placement, alumni, institutional club activities, student and faculty achievements. We look forward for more activities and achievements for the department to march towards excellence in the future. We would like to thank all teaching, supporting staff and our beloved students for their constant support.

Ranjith Bhat

### **DEPARTMENTAL ACTIVITIES**

#### **Lecture series, Talks and Webinars:**

### 1. ISTE organized a "Adobe Internship-Domain Specific Round Preparation"

Department of Electronics and Communication Engineering of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, in association with the Department of Training and Placement and ISTE organized a "Adobe Internship- Domain Specific Round Preparation" for 203 batch Adobe Internship aspirants of SMVITM on 4th October 2021.



Dr. Balachandra Achar H V, Professor, Department of ECE, Mr. Nagaraj Rao, Associate Professor, Department of ECE, Mr. Sachin Prabhu, Mr. Chetan R, Ms. Laxmi Shetty, Mr. Arun Upadhyaya and Mr. Ganesh Shetty, Assistant Professors, Department of ECE were the resource persons.

Faculties conducted sessions on various Electronics and Communication Engineering domain specific subjects like Microcontrollers, Microprocessors, Digital Electronics, Network Theory, Analog Devices, Control Systems,



Communication Systems, Electrical Measurements and Instruments wherein they discussed on frequently asked questions and important websites to refer which helps students to crack the interview process.



33 Adobe Internship aspirants from 2023 batch actively participated in the session.

All the students and faculties supported the event "Adobe Internship- Domain Specific Round Preparation" to become a success.

# 2. Talk on "Career opportunities in VLSI & Embedded System Industry "

Department of Electronics and Communication Engineering of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, organized a technical talk on "Career opportunities in VLSI & Embedded System Industry" for the final year EC students of SMVITM on 13th October 2021. The resource person Mr. Arun John Mathias from CoreEL technologies addressed the students and highlighted the industry opportunity in the VLSI domain. He also explained the concepts of VLSI like ASIC and FPGA.



Ms. Vimitha introduced the resource person to the gathering and proposed the vote of thanks.

Dr. Sachin Bhat, HOD of EC department coordinated the event. The staff and faculty members were present during the event.



### 3. Peer learning session on "Introduction to Mainframe Technology" by Ms. Sanjeetha Shetty

Department of Electronics and Communication Engineering in association with ISTE cell conducted peer learning session on "Introduction to Mainframe Technology". This session was held on 13 November, 2021, from 12:00pm to 1:00pm at the ECE department, SMVITM. Resource person for this session was Ms. Sanjeetha Shetty. She is our college alumna and currently working in Infosys Ltd. Bengaluru as a System Engineer. Around 60 Students from 2nd Year ECE participated and interacted with

Ms. Sanjeetha began the session by asking question to students about their interest towards programming and gave the information about which programming language is of prime importance in MNCs.



She continued the session by explaining the importance of mainframe technology and how it is advantageous over desktop. Also, she introduced Mocha software and showed how to allocate physical data set. Finally, she concluded her presentation by emphasizing about internship during students' education period.



Ms. Shreya M Tantry, 3rd Semester ECE student welcomed the resource person and audience.

Mr. Chetan ISTE coordinator, Ms. Akshatha Rao, Asst. Professor, ECE Dept. Dr. Sachin Bhat, HoD, ECE Dept. Mr. Ferdinand, CR of 7th Sem ECE and Ms. Aishwarya ISTE Joint Secretary were present for the session. Mr. Adithya Prakash, 3rd Sem, ECE student proposed vote of thanks.

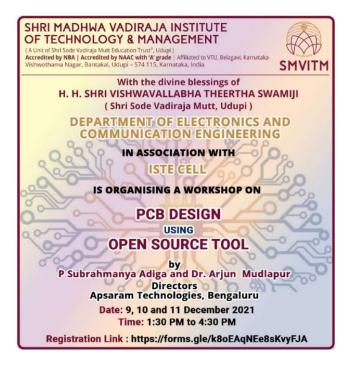
# 4. Three Day Hands-on Workshop on "PCB DESIGN USING OPEN-SOURCE TOO!"

Department of Electronics and Communication Engineering in association with ISTE Cell conducted a Three-Day Hands-on Workshop on "PCB DESIGN USING OPEN-SOURCE TOOL" held on Dec 9, 10 & 11, 2021 at the CCC Lab, 3rd Floor Admin Block, SMVITM. Resource persons for this session were Dr. Arjun Mudlapur and Mr. P Subrahmanya Adiga, Directors of Apsaram Technologies, Bengaluru. Around 55 students from 2nd Year & 3rd Year ECE participated and interacted with the resource person.



Resource persons started the session by introducing the PCB terminologies, features of KiCad software and listed the importance of

using open-source tools. The session continued with the hands-on mode of discussion and students got benefitted by implementing the electronic circuits. The session concluded by generating the Bill of Material (BoM) and GERBER File.



During the inauguration of the workshop Dr. Sachin Bhat, HoD of ECE Dept. welcomed the resource person, participants, and said students need to keep themselves engaging in active learning and update with the technological aspects. Dr. Ganesh Aithal, Vice Principal gave a presidential speech and motivated the students to be active in the workshop.

Ms. Akshatha Renjal, a student from the 3rd Year ECE Dept compered the program. Sr. Lab instructors Mr. Girish and Mr. Sandeep and Ms.

Aishwarya, ISTE Joint Secretary supported the event. Ms. Shashikala R, Asst. Professor (Sr.), ECE Dept. and Mr. Chetan R, ISTE Coordinator organized the workshop.

# 5. Webinar on Career Opportunities in VLSI and Semiconductor Industry

Department of Electronics and Communication Engineering has organised a webinar on "Career Opportunities in VLSI and Semiconductor Industry" on 29 December, 2021 from 9.00am to 10.00am. The resource person Dileep Kudwa gave clear insight on career opportunities in the VLSI domain.



He introduced about Semiconductor/VLSI industry and told that VLSI industry can be of EDA company, ASIC design Company, FPGA design Company, Fab/Foundry company. He

explained that VLSI domain can be classified into front end flow design and back-end flow design. He also talked about various cadre in the field of VLSI like design engineer, verification engineer, EDA/CAD engineer, application engineer, technical support, reliability engineer, Fab engineer etc. He briefed about skill requirement for the various VLSI field employments. He concluded the session by stressing on career graph of VLSI engineering.



Dr. Sachin Bhat, HOD of ECE has organised the event. Ms. Shashikala R and Ms. Akshatha Rao coordinated the event. Ms. Sameeksha introduced the resource person and Ms. Chaitra Kulal proposed vote of thanks. Faculty members were present during the event.

# 6. Five Days Faculty Development Program on Electric Vehicles and Smart Grid

Department of Electronics and Communication Engineering and Mechanical Engineering in association with ISTE Faculty Chapter of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi organized a Five Days Faculty Development Program on "Electric Vehicle and Smart Grid" from 14th to 18th March 2022 in the college premises.

The inaugural ceremony of the program held on Monday 14 March 2022 at 9.30am. Dr Gajanan Anne, HoD of ME Dept. welcomed the august gathering. The Chief Guest of the program Dr. V.B Venkatesa Perumal, Professor, Dept. of Electrical and Electronics, NITK Surathkal.



In his inaugural address said that, in the next 5 to 10 years India will see big change in the transportation segment i.e., change in conventional IC engine vehicle to Electric Vehicle. Also, he has urged that future

engineers should be ready to cater the needs of end users.

Especially future engineers have to focus more on maintenance of EV than R & D work, maintenance like battery recharging, replacement and giving solutions to the situations like vehicle breakdown etc., Mr. Esakki Raja S, Sr. Application Engineer in VI solutions, Bengaluru was the resource person of the five-day faculty development.



He appreciated the management for conducting the sessions in blended mode and highlighted the importance of training the future engineers in the Electric Vehicle field.

#### Alumni talk:

# Student - alumni interaction activity of alumna Ms. Ashwini Sheetal Dantis

The student - alumni interaction activity of alumna Ms. Ashwini Sheetal Dantis (2014-2018 ECE Batch) with 2nd year students of ECE branch was organized by Alumni Cell of Electronics and Communication Engineering

Department on 19th February 2022 in the admin block seminar hall of SMVITM.



Ms. Ashwini, Cloud Engineer, Niveus Solutions Pvt. Ltd. | Google Partner, Udupi, started interaction with her experience as a student in Electronics and Communication Engineering branch. She addressed the gathering about how her life was at SMVITM during her engineering days. Ashwini spoke about the arrangements made by the college and department for students benefits, also its importance in curriculum and placements. She mentioned the necessities currently needed by an IT and core companies and along with that she also mentioned how students should study programming languages few and importance of creating GITHUB account. She gave an insight on the current technological trends in the field of Electronics and IT. She mentioned the more importance to seek a better internship while pursuing graduation.

She explained about projects and its weightage in the resume.



Ms. Ankitha Bhat from 2nd year B.E of ECE department welcomed the gathering and introduced the speaker to the audience. Dr. Balachandra Achar gave a memento to Ms. Ashwini Dantis in this occasion and thanked her for being a part of this fruitful interaction. Ms. Rajashree Nambiar, Senior Assistant Professor, Department of ECE, coordinated the event.

#### **FACULTY & STUDENT ACCOMPLISHMENTS**

# A. Faculty Research Presentations and Publications:

- 1. Sachin S Bhat, Rajashree Nambiar published a paper titled "Building Dataset and Deep Learning based inception model for the Character Classification of Tigalari Script" in Advances in Intelligent Systems and Computing, Springer.
- 2. Sachin S Bhat published a paper titled "Parts of Speech Tagging and Extractive Summarization Techniques for Kannada Documents" in Lecture Notes in Electrical Engineering.
- 3. Sachin S Bhat published a paper titled Character Recognition of Tulu script using Convolutional Neural Network Advances in Artificial Intelligence and Data Engineering.
- 4. Sachin S Bhat published a paper titled "Palladium metal embedded on mesoposrous graphene oxide as an efficient heterogeneous catalyst for Suzuki coupling reaction" Materials Today.

#### **B.** Achievements

- Dr. Raghavendra Rao was awarded with Ph.D. from NITK, Surathkal for the thesis "Investigation of Control Algorithms for PV System under Partial Shading Conditions and their effect on the efficiency of DC-DC Converter".
- Dr. Sachin S Bhat and Dr. Nagaraj Bhat received 10 lakhs funding from VTU under Competitive Research grant for the proposal 'Digitization of Halegannada Manuscripts'.
- 3. Dr. Sachin S Bhat received 25,000 funding from KSTA under Small Grants scheme for 'Application of NLP for Indian Languages'.
- Dr. Sachin S Bhat received 2 fundings from KSTA under Short term studies scheme for 'Study of OCR for Kannada Language' as PI & 'Text Summarization for Kannada documents' as supervisor.
- 5. Dr. Sachin S Bhat received Best Paper Award for the paper 'Grammatical Tagging of Kannada text using Bidirectional Long Short-Term Memory 'in IEEE Discover, NMAMIT-Nitte, Nov 2021.
- 6. Dr. Sachin S Bhat received Best Paper Award for the paper 'Secure Image Processing using Deep Neural Network 'in Springer CISCON, MIT Manipal, Dec 2021.

- 7. Dr. Sachin S Bhat received Best Research
  Award in International Conference on
  Engineering, Science and Medicine 2021,
  Chennai, Dec 2021.
- 8. Dr. Sachin S Bhat, Shreeraksha, Shamitha Shanbhogue, Chaitra and Namratha Rao received Best Paper award for the paper 'Design of a Transliteration Application for Kannada Signboards' in IEEE DELCON 2022, Netaji Subhash University of Technology, New Delhi, in Feb 2022.
- 9. Research proposal of Dr. Sachin S Bhat and Mr. Sunil Haldankar titled 'Sensor based device for predicting safe bearing capacity of soil' selected for faculty grant scheme of KSCST worth 1.5 lakhs.
- 10. Dr. H V Balachandra Achar received best paper award for the paper 'Enhancing the performance of Wireless Sensor Network by integrating with Optical Fiber Communication' in ICAECT-2022 at Vidyalankar Institute of Technology, April 2022.
- 11. Incubation proposal by Dr. Sachin S Bhat named 'Decibel dB 'awarded 2nd prize in Elevate Unnati 2021, organized by Karnataka Innovation & Technology Society, Dept. of Electronics, IT BT & ST, Govt of Karnataka, Sept 2021.

### C. Conference presentation:

Name of	Title of the	Name of the
the faculty	paper	conference
Chetan. R	Providing Knee Movement Assistance using Android and IOT	ICOSEC 2021
Avinash, Krishna, Ramamoort hy, Ashwini, Chetan R, Sowmya Bhat	Android App and RFID based smart ration distribution system	ICMNWC 2021
Balachandra Achar H V	Enhancing the performance of Wireless Sensor Network by integrating with Optical Fiber Communication	ICAECT-2022
Sachin s Bhat	Classification of Plant Leaves of Western Ghats using Deep Learning	IEEE DISCOVER
Sachin s Bhat	Grammatical Tagging for the Kannada Text Documents using Hybrid Bidirectional Long- Short Term Memory Model	IEEE DISCOVER
Sachin s Bhat	Secure Image Classification using deep learning	Springer CISCON
Sachin s Bhat	Design of a Transliteration Application for Kannada Signboards	IEEE DELCON
Sachin s Bhat	Evaluation of Support Vector Machine and Binary Convolutional Neural Network	2nd Springer International Conference on Information Technology

	for automatic medicinal plant species identification	
Sachin s Bhat	An SVM based approach for the quality estimation of Udupi jasmine	2nd Springer International Conference on Emerging Trends and Technologies on Intelligent Systems
Yogeshwary B. H	Node Localization Techniques in Underwater Sensor Networks	2022 IEEE International Conference on Sustainable Computing and Data Communicatio n Systems (ICSCDS)
Sowmya Bhat	Design of Low Power Full Adder with Minimum number of Transistors for Application	ICGCP-2021

# D. Faculty Development Programme & Workshops:

Name of	Title of the	Venue
the faculty	FDP/Workshop	
Laxmi Shetty	"Industrial Applications of Machine Learning and Artificial Intelligence	Manipal University Jaipur
Chetan R	IOT with Machine Learning & Artificial Intelligence	ITS Engineering college
Chetan R	FPGA Design and Verification	Sandeepani School of Embedded System Design, Bangalore
Balachandra Achar	Applied Machine Learning, Al and its Applications using Python	Edu-x-Labs, online
Laxmi Shetty	"Industrial Applications of Machine Learning and Artificial Intelligence	Manipal University Jaipur
Chetan R	IOT with Machine Learning & Artificial Intelligence	ITS Engineering college
Chetan R	FPGA Design and Verification	Sandeepani School of Embedded System Design, Bangalore
Balachandra Achar	Applied Machine Learning, Al and its Applications using Python	Edu-x-Labs, online

### **Newspaper cuttings**



## ಬಂಟಕಲ್ಲು ತಾಂತ್ರಿಕ ಕಾಲೇಜು: ಬೋಧನಾ ಅಭಿವೃದ್ಧಿ ಕಾರ್ಯಾಗಾರ

ಮಹಾವಿದ್ಯಾಲಯದ ಗಣಕಯಂತ್ರ ಆಡಳಿತ ಮಂಡಳಿಯ ಸದಸ್ಯ ಜಗದೀಶ ಭಾಗವಹಿದರು. ವಿಜ್ಞಾನ ವಿಭಾಗದ ಆಶ್ರಯದಲ್ಲಿ ಆಚಾರ್ಯ ಅಧ್ಯಕ್ಷತೆ ವಹಿಸಿದ್ದರು. ಸಂಸ್ಥೆಯ ಐಎಸ್ಟ್ ಟಾಯ ಬೋರಕ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಫೋರ್ ಎಡ್ಡ್ ಸಮಾರಂಭದಲ್ಲಿ ಸಂಸ್ಥೆಯ ಡೀನ್ ಘಟಕದ ಸಹಯೋಗದೊಂದಿಗೆ ಸೊಲ್ಯೂಷನ್ಸ್ ನಿರ್ದೇಶಕ ಗಿರೀಶ್ ಡಾಸುದರ್ಶನ್ ರಾವ್ ಮಾತನಾಡಿದರು. ದತ್ತಾಂಶ ವಿಜ್ಞಾನ್ನದ ಕ್ಷೇತ್ರದಲ್ಲಿ ಇತ್ತೀಚಿನ ಐತಾಳ್, ಟಾರ್ಗೆಟ್ ಕಾರ್ಫೋರೇಷನ್ ಕಾರ್ಯಕ್ರಮವನ್ನು ಗಣಕ ಯಂತ್ರಜ್ಞಾನ ಬೆಳವಣಿಗೆಗಳು ಎಂಬ ವಿಷಯದಲ್ಲಿ ಸಂಸ್ಥೆಯ ಡಾ। ಅಜಯ್ ಶೆಣ್ಣೆ, ಬಿಎನ್ ವಿಭಾಗದ ಸಹಪ್ರಾಧ್ಯಾಪಕರಾದ ಡಾ।

ಸಂಸ್ಥೆಯ ಸಂಶೋಧನ ನಿಕಾಯದ ಜಿ. ಬಿ. ಮತ್ತು ಸಂಸ್ಥೆಯ ಗಣಕಯಂತ್ರ ಸಂಯೋಜಿಸಿದ್ದರು.

5 ದಿನಗಳ ಬೋಧನಾ ಅಭಿವೃದ್ಧಿ ಎಂ ತಾಂತ್ರಿಕ ಮಠಾ ವಿದ್ಯಾಲಯದ ರಾಘವೇಂದ್ರ ತ್ರೀನಿವಾಸ, ಮಂಜುನಾಥ ಕಾರ್ಯಕ್ರಮವುನ.23ರಿಂದ27ರವರೆಗೆ ಡಾ! ಸೆಜಲ್ ಸಂತೋಷ್ ನಿಂಬಾರ್ಕರ್, ಎ. ಎಸ್. ಮತ್ತು ಐಎಸ್.ಟಿಇ ವಿಭಾಗ ನಡೆಯಿತು.

ಶಿರ್ವ. ನ. 29: ಬಂಟಕಲ್ಲು ಮುಖ್ಯಸ್ಥ ಡಾ। ವಾಸುದೇವ ಅವರು ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ। ನಾಗರಾಜ್ ಶ್ರೀ ಮಧ್ದ ವಾದಿರಾಜ ತಾಂತ್ರಿಕ ಉದ್ಘಾಟನೆ ನೆರವೇರಿಸಿದ್ದರು. ಸಂಸ್ಥೆಯ ಭಟ್ ಸಂಪನ್ನೂಲ ವ್ಯಕ್ತಿಗಳಾಗಿ

ನ. 27ರಂದು ನಡೆದ ಸಮಾರೋಪ

# ಬಂಟಕಲ್ಲು: ರಾಷ್ಟ್ರೀಯವಿಜ್ಞಾನ ದಿನಾಚರಣೆ ಶರ್. ಈ 28: ಬಂಟಕಲ್ಲು ಶ್ರೀ ಮಧ್ಯ ಉಪನ್ಯಾಸ ನೀಡಿ ನ್ಯಾಸೊಡಂತ್ರಪ್ರಾಸ

ವಾದಿರಾಜ ತಾಂತ್ರಿಕೆ ಮಹಾವಿದ್ಯಾಲಯದ ವಿಜ್ಞಾನ ವಿಭಾಗ ಮತ್ತು ಕಾಲೇಜಿನ ಐಎಸ್ ಆರ್ಥಿಕ ಸಿತಿಯಲ್ಲಿ ಆಗಬಹುದಾದ ಭಾರತೀಯ ಭೌತ ವಿಜ್ಞಾನಿ ಸರ್ ಸಿ.ವಿ. ಕ್ಷೇತ್ರದಲ್ಲಿ ವಿದ್ಯಾರ್ಥಿಗಳಿಗಿರುವ ವಿಪುಲ ರಾಮನ್ ಅವರ ನೆನಪಿಗಾಗಿ ರಾಷ್ಟ್ರೀಯ ಅವಕಾಶಗಳ ಬಗ್ಗೆ ತಿಳಿಸಿದರು. ನ್ಯಾನೋ ವಿಜ್ಞಾನ ದಿನಾಚರಣೆಯ ಅಂಗವಾಗಿ ವಸ್ತುಗಳು ಕೃಷಿ ಇಂಧನ ಸಂಗ್ರಹ ನ್ಯಾನೋ ತಂತ್ರಜ್ಞಾನ ಮತ್ತುಅದರ ಇತ್ಯಾದಿ ಕ್ಷೇತ್ರಗಳಲ್ಲಿ ಪರಿಣಾಮಕಾರಿ ಆನ್ವಯಕಿಗಳು ಎಂಬ ವಿಷಯದ ಬಗ್ಗೆ ಪರಿಹಾರಗಳನ್ನು ತರಬಹುದು ಎಂದರು ವಿಶೇಷ ಉಪನ್ಯಾಸವು ಫೆ. 26 ರಂದು ಕಾಲೇಜಿನ ಸಭಾಂಗಣದಲ್ಲಿ ನಡೆಯಿತು.

ಸಂಪನ್ನೂಲ ವ್ಯಕ್ತಿಯಾಗಿ ಸುರತ್ನಲ್ ನೀಡಿದರು. ಭೌತಶಾಸ್ತ್ರವಿಭಾಗದ ಸಹಾಯಕ ಎನ್ಐಟಿಕೆಯ ರಸಾಯನ ಶಾಸ್ತ್ರ ಪ್ರಾಧ್ಯಾಪಕಿ ಉಷ್ಟಾ ಎಚ್. ಕಾರ್ಯಕ್ರಮ ವಿಭಾಗದ ಪ್ರಾಧ್ಯಾಪಕ ಡಾ! ಡಿ. ಕೃಷ್ಣ ಭಟ್ ನಿರೂಪಿಸಿ,ವಂದಿಸಿದರು.

ಅಳವಡಿಕೆಯಿಂದ ದೇಶದ ಸಾಮಾಜಿಕ ಘಟಕದ ಸಹಯೋಗದೊಂದಿಗೆ ಬದಲಾವಣೆಯ ಬಗ್ಗೆ ವಿವರಿಸಿ ವಿಜ್ಞಾನ ಸಂಸೆಯಪ್ಯಾಂಶುಪಾಲ ಡಾಟಿರುಮಲೇಶರ ಬೆಟ್ ಕಾರ್ಯಕಮದ ಬಗೆ ಸಂಕಿಪ ಮಾಹಿತಿ

സ്ഥായങ്ങൻ Mon, 01 March 2021 https://epaper.udayavani.com/c/58



### ▶ ಬಂಟಕಲ್ಲು ತಾಂತ್ರಿಕ ಕಾಲೇಜು ಆನ್ ಲೈನ್ ಬೋಧನೆಯಲ್ಲಿ ಎಕ್ಸ್ ಪಿ ಪೆನ್ ನ ಬಳಕೆ: ಕಾರ್ಯಾಗಾರ

8ರ್ವ. ಅ. 28: ಬಂಟಕಲ್ಲು ಶ್ರೀ ಮಧ್ವ ವಾದಿರಾಜತಾಂತ್ರಿಕಮಹಾವಿದ್ಯಾಲಯದ ಐಕ್ಕೂ ಎಸಿ ವಿಭಾಗವು ಕಾಲೇಜಿನ ಐಎಸ್ ಟಇ ಘಟಕದ ಸಹಯೋಗದೊಂದಿಗೆ ಸಂಸ್ಥೆಯ ಪ್ರಾಧ್ಯಾಪಕರ ಅನುಕೂಲಕ್ಕಾಗಿ ಆನ್ ಲೈನ್ ಬೋಧನೆಯಲ್ಲಿ ಎಕ್ಸ್ ಪಿ ಪೆನ್ ನ ಬಳಕೆಯ ಕುರಿತು ಆಯೋಜಿಸಿದ ಕಾರ್ಯಾಗಾರವು ಕಾಲೇಜಿನ ಸಭಾಂಗಣದಲ್ಲಿ ನಡೆಯಿತು.

ಕಾರ್ಯಕ್ರಮದ ವ್ಯಕ್ತಿಯಾಗಿ ಡೀನ್(ಕ್ವಾಲಿಟಿ ಅಶ್ಯೂರೆನ್ಸ್) ಪೆನ್/ಜಾಮ್ ಬೋರ್ಡ್ ಬಳಕೆಯ ಬಗ್ಗೆ ಅಭಿನಂದಿಸಿದರು. ಡಾ। ಸುದರ್ಶನ್ ರಾವ್ ಆನ್ ಲೈನ್ ಮಾಹಿತಿ ನೀಡಿದರು. ಸಾಫ್ಟ್ ವೇರ್ ಬಳಕೆಯ ಕುರಿತು ತಿರುಮಲೇಶ್ವರ ಭಟ್, ಉಪ ಕಾರ್ಯಕ್ರಮವನ್ನು ನಿರೂಪಿಸಿ, का। ಮತ್ತು ಸಂಸ್ಥೆಯ ಯಾಂತ್ರಿಕ ವಿಭಾಗದ ಪ್ರಾಂಶುಪಾಲ ಡಾ। ಗಣೇಶ್ ಐತಾಳ್ ಪವನ್ ಕುಮಾರ್ ವಂದಿಸಿದರು.



ಸಂಪನ್ನೂಲ ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕ ಸುಧೀರ್ ಎಕ್ಕ್ ಕಾರ್ಯಾಗಾರದಲ್ಲಿ ಭಾಗವಹಿಸಿದವರನ್ನು

ಜರ್ನಲ್ ಸಂಸ್ಥೆಯ ಪ್ರಾಂಶುಪಾಲ ಡಾ। ರೆನಿಟಾ ಶರೋನ್

ಐಎಸ್ಟ್ಇ ಘಟಕದ ಸದಸ್ಯರಾದ ಮೋನಿಸ್

# ಉದ್ಪಯವಾಣಿ

▶ ಬಂಟಕಲು ತಾಂತ್ರಿಕ ಕಾಲೇಜು

#### ಬ್ಲಾಕ್ ಚೈನ್ ತಂತ್ರಜ್ಞಾನ ಅವಲೋಕನ, ಅನಯಿಕೆಗಳು: ವೆಬಿನಾರ್

ಿದ್ದೇ, ನ. ಕ. ಬಂಟಕಲ್ಪು ಶ್ರೀ ಮಧ್ಯ ನಿಯಂತ್ರಣ ಮತ್ತು ನಣ್ಣದ ಮೂಲಕತ್ವದ ವಾದಿರಾಜ ತಾಂತ್ರಿಕೆ ಮಹಾವಿದ್ದಾಲಯದ ವರ್ಗಾವಣೆ ಪರಿಶೀಲಿಸುವ ಬಗ್ಗೆ ತಿಳಿಸಿ ವಿದ್ಯುನ್ನಾನ ಸಂವರ್ಷನಿ ವಿಭಾಗದ ಆಶ್ರಯ ದರು. ಪಹಿವಾಟನ್ನು ಪರಿಶೀಲಿಸಲು ದಲ್ಲಿ ಕಾಲೀಜಿನ ವಿಭಾಗತಿಗಾ ಘಟಕದ ಸುರತ್ತಿತ ಸಂಪರ್ಕತ್ಕಾಗಿ ತಮ್ಮದೇ ಆದ ಸಹಯೋಗದೊಂದಿಗೆ ಅಯೋಜಕರಾದ ಗುರುತು ರಚಿಸಲು ಮತ್ತು ನಿರ್ವಹಿಸಲು ಬಾಕ್ಷಗತ್ತಿನ್ ತಂತ್ರಜ್ಞಾನ್ನ ಅವಲೋಗಕ್ಕೆ ಸೇನುವೆಯಂತೆ ಬಳಸುವ ಮೆಟಾರ್ಮನ್ನ ಮತ್ತು ಅನ್ವಯಕೆಗಳು ಎಂಬ ವಿಷಯಕ್ಕೆ ಬಳಸುವುದು ಹೇಗೆಂದು ಪ್ರಾತ್ಯಕ್ಷಿಕೆಯ ಸಂಬಂಧಿಸಿದ ತಾಂತ್ರಿಕ ಉಪನ್ಯಾಸವು ಮೂಲಕವಿವರಿಸಿದರು.

ಎಂಎಎಂಐಟೆಯ ರೈತ್ರಿ: ಕರೆಯಲಾ ಮತ್ತು ಸಂಪರ್ವ ವಿಭಾಗದ ಪ್ರಾಧ್ಯಾಕಕೆ ನರ್ಗಿಸ್ ಉಪನ್ಯಾಸ ನೀಡ ಸುರಕ್ಷಿತ ವಾ: ಸಚಿನ್ ಭಟ್ ಕಾರ್ಯಕ್ರಮ ಮೊದುಬ ದಾಖರಗಳಾಗಾಗಿ ಕ್ರಿಪ್ಟೋಕರ್ತು, ಸಂಯೋಜಿಸಿದ್ದರು ವಿಭಾಗದ ಪ್ರಾಧ್ಯಾಪಕ ಬಳಸುವುದು, ಹೆಚ್ಚುವರಿ ವಾಣ್ಯಗಳ ರೇಚನೆ ಶಕಿಕಲಾ ಆರ್. ಪರಚಯಿಸಿದರು.

ಸಂದರ್ಭದ ತೇಂತ್ರಕ ಕರವನ್ಯಾಸವು ಮಾಲಕ ವವರಸದರು. ಐಲೇಜಿನಲ್ಲಿ ನಡೆಯಿತು. 100ಕ್ಕೂಪೆಚ್ಚು ಆಧ್ಯಾಪಕರು, ವಿದ್ಯಾರ್ಥಿ ಸಂಪನ್ಮೂಲ ವ್ಯಕ್ತಿಯಾಗಿದ್ದ ನಿಟ್ಟೆ ಎನ್ ಗಳು ಭಾಗವಹಿಸಿದ್ದರು. ವಿದ್ಯುನ್ಮಾನ

## ▶ ಬಂಟಕಲ್ಲು ತಾಂತ್ರಿಕ ಕಾಲೇಜು ಆನ್ ಲೈನ್ ಬೋಧನಾ ಕೌಶಲಗಳ ಅಭಿವೃದ್ಧಿ: ಉಪನ್ಯಾಸ

ಆಧ್ಯಾಪಕರ ಅನುಕೂಲಕ್ಕಾಗಿ 'ಆನ್-ಲೈನ್ ನೀಡಿದರು. ಬೋಧನಾ ಕೌಶಲ ಅಭಿವೃದ್ಧಿ ಎಂಬ ಪ್ರಾಂಶುಪಾಲ ಡಾ। ತಿರುಮಲೇಶ್ವರ ಸಂಸ್ಥೆಯ ಸಭಾಂಗಣದಲ್ಲಿ ನಡೆಯಿತು.

ತ್ರಿರುವ ಸಾಮಾನ್ಯ ಸಮಸ್ಯೆಯನ್ನು ಸುದರ್ಶನ್ ರಾವ್ ವಂದಿಸಿದರು.

ಿರ್ವ. ಅ. 21: ಬಂಟಕಲ್ಲು ಶ್ರೀ ಮಧ್ವ ವಿಮರ್ಶಿಸಿದರು. ಜತೆಗೆ ಆನ್ ಲೈನ್ ವಾದಿರಾಜ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ತರಗತಿಯ ಮೊದಲು ಮತ್ತು ಅನಂತರ ಐಕ್ಯೂಎಸಿ ವಿಭಾಗವು ಕಾಲೇಜಿನ ಐಎಸ್ ಆಧ್ಯಾಪಕರು ಗಣನೆಗೆ ತೆಗೆದುಕೊಳ್ಳ ಟ್ನ ಘಟಕದ ಸಹಯೋಗದೊಂದಿಗೆ ಬೇಕಾದ ವಿಷಯಗಳ ಬಗ್ಗೆ ಮಾಹಿತಿ

ವಿಷಯದ ಬಗ್ಗೆ ತಾಂತ್ರಿಕ ಉಪನ್ನಾನವು ಭಟ್. ಉಪ ಪ್ರಾಂಶುಪಾಲ ಡಾ! ಸಂಸ್ಕೆಯ ಸಭಾಂಗಣದಲ್ಲಿ ನಡೆಯಿತು. ಗಣೇಶ್ ಐತಾಳ್, ವಿವಿಧ ವಿಭಾಗಗಳ ಸಂಪನ್ಮೂಲ ವೃಕ್ತಿ, ಸಂಸ್ಥೆಯ ಆಡಳತ ಮುಖ್ಯಸ್ಥರು ಉಪಸ್ಥಿತರಿದ್ದರು. ಕಾಲೇಜಿನ ಮಂಡಳ ಸದಸ್ಯ ಜಗರುಶ್ ಆಚಾರ್ಯ ಏಎಸ್ಟ್ ಪಾಟಕದ ಕಾರ್ಯದರ್ಶಿ ಆನ್-ಲೈನ್ ತರಗತಿಯ ಸಮಯದಲ್ಲಿ ಸೂರಜ್ ಕುಮಾರ್ ಸಂಪನ್ಮೂಲ ವೃಕ್ತಿ ವಿದ್ಯಾರ್ಥಿಗಳು, ಆಧ್ಯಾಪಕರು ಎದುರಿಸು ಯನ್ನು ಪರಿಚಯಿಸಿದರು. ಡಾಟ

### ಬಂಟಕಲ್ಲು ತಾಂತ್ರಿಕ ಕಾಲೇಜು: ಬೋಧನಾ ಅಭಿವೃದ್ಧಿ ಕಾರ್ಯಾಗಾರ

ಶ್ರೀ ಮಧ್ವ ವಾದಿರಾಜ ತಾಂತ್ರಿಕ ಕ್ರಮವನ್ನುದ್ದೇಶಿಸಿ ಮಾತನಾಡಿದರು. ಮಹಾವಿದ್ಯಾಲಯದ ಯಾಂತ್ರಿಕ ವಿಭಾಗದ ಕಾಲೇಜಿನ ಐಎಸ್ಟ್ ಘಟಕದ ಮತ್ತು ಸಂಶೋಧನಾ ವಿದ್ಯಾರ್ಥಿಗಳು ಪ್ರಾಸ್ತಟ್ರಾನ್ ಕಂಪೆನಿಯ ಅಮಿತ್ ಕುಡ್ಡ ಸಹಯೋಗದೊಂದಿಗೆ ಆಡ್ವಾನ್ಸ್ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಭಾಗವಹಿಸಿದ್ದರು. ಮತ್ತು ಬಂಟಕಲ್ ಎಂಜಿನಿಯರಿಂಗ್ ಇನ್ ಮೆಟರಿಯಲ್ ಅಂಡ್ ಐಐಟಿ ರೂರ್ಕಿಯ ಪೊ.ಎಸ್. ಕಾಲೇಜಿನ ಡಾ। ಗಜಾನನ ಅಣೆ ಆ್ಯಂಡ್ ಮ್ಯಾನುಘ್ಯಾಕ್ಟರಿಂಗ್ ಎಂಜಿನಿಯರಿಂಗ್ ಕೆ ನಾಥ್, ಐಐಟಿ ಪಾಲಕ್ಕಾಡ್ ನಡಾ। ಸಂಪನ್ಮೂಲ ವ್ಯಕ್ತಿಗಳಾಗಿ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಎಂಬ ವಿಷಯದ ಕುರಿತು ಐದು ಚಕ್ರದರ .ಡಿ, ಐಐಟ ಧಾರಾವಾಡದ ಭಾಗವಹಿಸಿದ್ದರು. ದಿನಗಳ ಬೋಧನಾ ಆಭಿವೃದ್ಧಿ ಡಾ। ಸೋಮಶೇಖರ ಎಂ.ಎ, ಸಂಸ್ಥೆಯ ಯಾಂತ್ರಿಕ ಎಂಜಿನಿ ಕಾರ್ಯಾಗಾರವುಡಿ 28 ರಿಂದ ಜ. I ರ ಡಾ। ಸೂರ್ಯ ಪ್ರಕಾಶ್ ರಮೇಶ್, ಯರಿಂಗ್ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ। ದಿನಗಳ ವರೆಗೆ ನಡೆಯಿತು.

ಕಾಲೇಜಿನ

ದೇಶದ ವಿವಿಧ ಭಾಗಗಳಿಂದ ನಾರ್ಥ್ ಆಶ್ರಯದಲ್ಲಿ ನೂರಕ್ಕೂ ಹೆಚ್ಚು ಬೋಧಕ ಸಿಬಂದಿ ಡಾ! ಮಾರುತಿ ಹೆಗಡೆ, ಮುಂಬೈ

ಎನ್ಐಟಿಕೆ ಸುರತ್ತಲ್ಪನ ಡಾ। ಗಜಾನನ ಅಣ್ಣೆ ಮತ್ತು ವಿಭಾಗದ ಪ್ರಾಂಶುಪಾಲ ಶಶಿಭೂಷನ್ ಆರ್ಯ, ಎನ್ಐಟಿಕೆ ಪ್ರಾಧ್ಯಾಪಕ ಡಾ। ಪವನ ಕುಮಾರ್ ಡಾ। ತಿರುಮಲೇಶ್ವರ ಭಟ್ ವಾರಂಗಲ್ ನ ಡಾ। ಮಂಜಯ್ಯ ಕಾರ್ಯಕ್ರಮ ಸಂಯೋಜಿಸಿದ್ದರು.

Bರ್ವ, ಜ. 1: ಬಂಟಕಲ್ಲು ಕಾರ್ಯಕ್ರಮವನ್ನು ಉದ್ಘಾಟಿಸಿ, ಕಾರ್ಯ ಎಂ, ಬೆಂಗಳೂರು ಎನ್ಎಎಲ್ನ ್ಯ ಮಧ್ಯ ವಾದಿರಾಜ ತಾಂತ್ರಿಕ ಕ್ರಮವನ್ನುದ್ದೇಶಿಸಿ ಮಾತನಾಡಿದರು. ಡಾ। ವೆಂಕಟೇಶ್ರರಾಲು, ಅಮೆರಿಕಾ ಭಂಗಳೂರು ಎನ್ಎಎಲ್ನ ಐಐಟಿ ರೂರ್ಕಿಯ ಪ್ರೊಎಸ್. ಕಾಲೇಜಿನ ಡಾ। ಗಜಾನನ ಅಣ್ಣೆ

ಉದಂ್ವಾಣಿ Sat, 02 January 2021 https://epaper.udayavani.com/c/57440078

## YouTube channels of faculty members

S.I.	Faculty Name	YouTube Channel Link	
1	Ms. Laxmi Shetty	https://www.youtube.com/user/05laxmishetty	
2	Mr. Arun Upadhyaya	https://www.youtube.com/c/ArunUpadhyaya/	
3	Mr. Nagaraja Rao	https://www.youtube.com/channel/UC68SV57xMPfk7tjJ1l_2Rjw/	
4	Mr. Ranjith Bhat	https://www.youtube.com/user/Ranjithbhat444	
5	Ms. Sowmya Bhat	https://www.youtube.com/channel/UCfMfti5ejWCmv7Pvh33lbUw/	

## **PLACEMENTS**

Placed Student Details Batch 2021-22			
SI.NO	COMPANY NAME	STUDENT NAME	
1	Palle Technologies, Bengaluru	A CLUICLE CLIVA DALA LE	
	QuEST Global Trivandrum	ASHISH SUVARNA U	
2	Capgemini Technology Services India Limited, Bengaluru	VAISHAK V PRABHU	
3	Sasken Technologies, Bengaluru	ABHINANDANA M NAIK	
4	Sasken Technologies, Bengaluru	AISHWARYA	
5	Sasken Technologies, Bengaluru	AKASH	
	Tata Consultancy Services Ltd., Bengaluru	BHOOMIKA J S	
6	Wipro Limited, Bengaluru		
	InSemi Technology Services Pvt. Ltd., Bengaluru		
7	Tech Mahindra Cerium Systems (P) Ltd., Bengaluru	CHAITRA B R	
,	Infosys Ltd., Bengaluru	CHALIKA B K	
	Tata Consultancy Services Ltd., Bengaluru	DEEPTHI M POOJARY	
8	Infosys Ltd., Bengaluru		
	InSemi Technology Services Pvt. Ltd., Bengaluru		
	Tata Consultancy Services Ltd., Bengaluru	FERDINAND ALICK CASTELINO	
9	Wipro Limited, Bengaluru		
	Infosys Ltd., Bengaluru		
10	Palle Technologies, Bengaluru	GURUPRASAD H SUVARNA	
10	Skolar Bengaluru	GUKUPKASAD H SUVAKNA	
11	Tata Consultancy Services Ltd., Bengaluru	KARTHIK R SHETTY	
12	Destination Technologies, Bengaluru	KARUNYA	
13	Sasken Technologies, Bengaluru	NAMAN	
13	Infosys Ltd., Bengaluru		
14	Tech Mahindra Cerium Systems (P) Ltd., Bengaluru	NAYAK ADITHYA RAVINDRA	
14	Hexaware Technologies Bengaluru		

15	Infosys Ltd., Bengaluru	NAYAK DHANASHREE ASHOK	
16	Destination Technologies, Bengaluru	NEHA KINI	
	Capgemini Technology Services India Limited,		
	Bengaluru		
17	Tata Consultancy Services Ltd., Bengaluru	NIHARIKA BALTHILLAYA	
18	Sasken Technologies, Bengaluru	POOJA C SHETTY	
19	InSemi Technology Services Pvt. Ltd., Bengaluru	RAJESH C	
	Techologics Global Pvt. Ltd., Bengaluru	RIYA PRABHU	
20	InSemi Technology Services Pvt. Ltd., Bengaluru		
	HCL Technologies Limited, Noida		
21	Capgemini Technology Services India Limited,	SAGAR SHETTY	
Z I	Bengaluru	SAGAR SHETTT	
22	Tata Consultancy Services Ltd., Bengaluru	SHREYA S NAVELKAR	
	Sasken Technologies, Bengaluru		
23	Tata Consultancy Services Ltd., Bengaluru	SHREYA T KOTIAN	
	Infosys Ltd., Bengaluru		
24	HCL Technologies Limited, Noida	SINCHANA L SHETTY	
25	Cognitive Clouds Software Pvt. Ltd., Bengaluru	SOWMYA	
23	Palle Technologies, Bengaluru		
26	Tata Consultancy Services Ltd., Bengaluru	CDIDAKCHA K	
26	Wipro Limited, Bengaluru	SRIRAKSHA K	
27	Sasken Technologies, Bengaluru	SUDARSHAN U L	
28	Destination Technologies, Bengaluru	CLIDAL DEVANIZAD	
	CodeCraft Technologies Pvt Ltd., Mangaluru	SURAJ REVANKAR	
29	Tata Consultancy Services Ltd., Bengaluru	TEJAS S R	
30	Capgemini Technology Services India Limited,	VIKAS N RAO	
30	Bengaluru		

#### DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



#### **VISION**

To emerge as an excellent technical education centre and be an integral part in the development of advancing technologies and global challenges, in the field of Electronics and Communication Engineering.

#### **MISSION**

- 1. To facilitate an ambience conducive to the excellence in technical education.
- 2. To provide a platform that will ensure the exchange of ideas and dissemination of knowledge.
- 3. To establish a research-oriented centre by having rapport with industries.
- 4. To foster ethical and value-based education with credibility by promoting activities that have societal impact.

#### PROGRAMME EDUCATIONAL OBJECTIVES

The graduate of Electronics & Communication Engineering should be able to:

- 1. Exhibit essential knowledge of applied sciences, mathematical modelling, logical interpretation and virtual realization to resolve real-time problems in the field of Electronics and Communication Engineering.
- 2. Work productively as an Electronics and Communication Engineer, including supportive and leadership roles on multidisciplinary teams.
- 3. Inculcate effective communication skills to excel in professional growth.
- 4. Take part in lifelong learning in pace with the advancing technological society.

#### **PROGRAMME SPECIFIC OUTCOMES**

Graduates of Electronics & Communication Engineering will be able to:

- 1. Focus on developing and exposure to alternative/ advanced technologies: Understand the concepts of Electronics & Communication Engineering and its application in the fields of signal processing, control systems, embedded systems, VLSI design, networking, and communication.
- 2. Extension of knowledge and testing facilities for the society: Apply domain-specific knowledge to design, analyse, synthesise and validate real-time problems in Electronics & Communication Engineering.



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