

SKCET Buzz



13th MAY - 19th MAY 2023



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STUDENTS PROGRESSION



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EEE | TECHNOCRAFT BOOTH PROJECT COMPETITION

Society Act Regd. No.
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March 15, 1994
Trust Act, Regd. No.
F.9275/Pune/May 05, 1994

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Alumni Association of COEP
Technological University (COEP Tech)

COEP Technological University (COEP Tech) Campus

RESULT

Date: 3.5.2023

The Alumni Association of College of Engineering, Pune is pleased to announce the result of Technocraft Booth Project Competition 2022-23 held on 2nd May, 2023.

1st Prize - Dynamic Charging of Electric Vehicle using Renewable Energy
MIT Academy of engineering, Alandi, Pune

2nd Prize - Safe Guarding Agricultural Lands against Animal Incursion
Sri Krishna College of Engineering and Technology, TN

3rd Prize - Prayascitta: A Sea Water Purification Model
Yenepoya Institute of Technology, Karnataka

We congratulate all the groups for their success. We also appreciate participation of all other groups and efforts they have put in.

Students team from **Third** year **EEE A** have won **Second** prize for the project entitled, '**Safe Guarding Agricultural Lands against Animal Incursion**' in the event '**Technocraft Booth Project Competition 2023**' held at College of Engineering, Pune organized by Alumni Association of COEP through Virtual mode on 02.05.2023.

Team Members: Eniyan E S, Ajay Kumar B, Abisheik C K

Faculty Mentor: Dr.R.Sumathi, Professor, EEE

CSBS | MEDCUORE TECH INNOVATION



Raja Balaji.N, Devin James.R, Yogeeswaran.G and Rajeswar.S students of **First year CSBS** have received certificate of appreciation for their outstanding achievement and contributions in the **Medcuore Tech Innovation Challenge** held on 11.05.2023 at **IITM Research Park**.
Mentor: Dr.G.Ignisha Rajathi, ASP/CSBS.

IT | TN SKILLS 2023



Sivaprasath P and **Venkatesh G**, students of **Third** year **IT** students have participated in the project expo at the Launch of TN Skills 2023 on 5.5.2023 by Mr. Udhayanidhi Stalin (Minister Youth Welfare and Sports) at the Anna Centenary Library, Chennai.

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EVENTS



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EEE | BOS MEETING



17th Board of Studies Meeting was organized by the Department of **Electrical and Electronics Engineering** for the approval of R2020 (2021-25 batch) Professional Elective courses on 12.05.2023. The meeting was convened by **Dr. K. C. Ramya**, Professor and Head, Department of EEE. **Dr. B. Karunamoorthy**, Professor, Department of EEE, Kumaraguru College of Technology, Coimbatore was the Anna University Nominee. The Academic Experts were **Dr. K. Udhayakumar**, Professor, Department of EEE, Anna University, Chennai, **Dr. S. Moorthi**, Professor, Department of EEE, National Institute of Technology, Tiruchirappalli, Industry Expert, **Mr. G. Arun Prakash**, Electricals and Project Engineer, Bradken, Coimbatore and Alumni Member **Mr. D. Pradeep Kumar**, Project Lead, Philips Healthcare, Bengaluru. The board members shared their valuable suggestions and approved the courses.

CIVIL | BOS MEETING



Department of **Civil Engineering** conducted its 14th Board of Studies Meeting on 12.05.2023. The meeting was convened by **Dr.D.Maruthachalam**, Professor and Head, Department of Civil Engineering along with external experts **Dr.J.Jegan**, Professor, University College of Engineering, Ramanathapuram, **Dr.G.Chitra**, Professor, Thiagarajar College of Engineering, **Er.S.Sivalingam**, Senior Technocrat, PWD. The comments from all the expert members were recorded.

SOM | IIC DRIVEN BUSINESS MODEL CANVAS WORKSHOP



Marketing Club - The Mavericks of School of Management conducted IIC driven Workshop on “**Business Model Canvas**” on 04.05.2023. **Mr. Rakesh Menon**, Founder and CEO of Mantle Training and Consulting was the Resource Person.

Session Highlights:

- Overview of business and factors of failure of a business
- 9 boxes of business model canvas like Key partners, Key activities, Key resources, Value proposition, Customer relationships, Channels, Customer segments, Cost structure, Revenue streams.
- Real time activity and brainstorming on BMC were done
- Benefits of using Business Model Canvas were also presented.

MECH | MOU WITH ALL-INDIA INSTITUTE OF AYURVEDA



Dr. Tanuja Nesari, Director of All-India Institute of Ayurveda (AIIA), Ministry of Ayush in the presence of **Dr. P. Ashoka Varthanan**, Nodal Officer and **Mr. N. Ramachandran**, Assistant Professor signed an MoU signifying the formal commitment and collaboration between the AIIA and SKCET under the project “**Automated Kashaya Making Machine**”. This laid the foundation for a new era of student-led initiatives, inspiring future generations to pursue their passions, collaborate with purpose, and shape a brighter world. Project Team Lead **Pavan Kumar M A**, student of Third year Mechanical Engineering presented the project proposals to the panel of ministry professionals.

SOM | VYUHA'23 – INTERCOLLEGIATE MANAGEMENT FEST



School of Management organized VYUHA '23- an Inter Collegiate Management Fest. The event was inaugurated by **Dr. S. Sophia**, Dean, R&D, Ranking and Accreditation on 12th May 2023.

Insights of the event:

- The event witnessed enthusiastic participation from various colleges across Tamilnadu.
- Various events from Management streams were organized to provoke the corporate skills of the future leaders.
- The event provided an excellent opportunity for students to interact with their peer groups from different colleges, fostering a spirit of healthy competition and cooperation.

CSBS | BOS MEETING



7th Board of Studies meeting was conducted by the Department of Computer Science and Business Systems on 11.05.2023. The meeting was headed by **Dr.S.Balakrishnan**, Professor & Head, Department of CSBS. **Dr.B.Thanasekhar**, Associate Professor, Department of Computer Technology, MIT Campus, Anna University, Chennai was the University Nominee. **Dr.L.Ramanathan**, Associate Professor, School of Computer Science and Engineering, VIT, Vellore & **Dr.Immanuel Johnraja**, Professor and Head, Department of Computer Science and Engineering, Karunya University, Coimbatore were the Academic Experts. Industry Experts was **Ms. Arunima Pandey**, Manager, Tata Consultancy Services, Pune. **Alumni Member:** Mr.Gautaman Sarangan, Senior Software Engineer, TCS, Australia. The BOS was conducted for the approval of Regulation 2022 and 2022[2023-2027 Batch] 1st, 2nd, 3rd and 5th semester courses.

SOM | WORKSHOP ON DESIGN THINKING AND EXCELLENCE FOR LEADERSHIP & MANAGEMENT



School of Management in association with **HR Club Anthropos** organized one day workshop on “**Design Thinking and Excellence for Leadership and Management**” for MBA students on 15.05.2023.

Resource Person was **Dr.R.Gayathri**, Certified Trainer on Design Thinking, Professor, ECE, Rajalakshmi Engineering, College, Thandalam, Chennai.

Key Takeaways:

- ✓ 5 steps in design thinking was specified in the session - Empathize, Define, Ideate, Prototype, Test.
- ✓ Activities to encourage visualizing the idea were conducted and students participated with great enthusiasm.
- ✓ Application of design thinking in various management areas as well as in nuances of life was explicitly conveyed to the students.

MECH| BOS MEETING



Dr.P.Ashoka Varthanan, HoD, Mechanical Engineering convened the 3rd Board of Studies meeting for R2022 syllabus on 08.05.2023. Dr. K. Linga Durai, Professor and Dean - Mechanical Engineering, Anna University regional campus, Madurai, Dr. S. Venkachalapathy, Professor - Mechanical Engineering, NIT Trichy, Dr. S. Denis Ashok, Professor - Department of Design and Automation, VIT, Vellore, Mr. N. Sudharsanan, Manager-New Product Development, Larson & Toubro Ltd, Coimbatore who is also the Alumni member of the department were the members of the meeting. The expert members shared their valuable inputs to improve the quality and approved the syllabus. Faculty members and Domain heads of the Mechanical Engineering department were also present during the meeting.

AI&DS | BOS MEETING



Department of **Artificial Intelligence and Data Science** convened **6th Board of Studies** meeting on 17.05.2023. The meeting was headed by **Dr.S.Venkata Lakshmi**, Professor & Head, AI&DS along with the University Nominee - **Dr. J. Raja Sekar**, Professor, CSE, Mepco Schlenk Engineering College, Sivakasi. Academic Experts were **Dr.M. Premalatha**, Associate Professor, CSE, VIT – Chennai. **Dr.R.Annie Uthra**, Professor & Head, Computational Intelligence, SRM Institute of Science and Technology, Chennai. Industry Expert was **Mr.Boobalan**, Assistant Vice President, Payoda, Chennai. The BoS members gave their valuable suggestions to improve the teaching learning process and to bridge the Academic and Industry gap.

IT | BOS MEETING



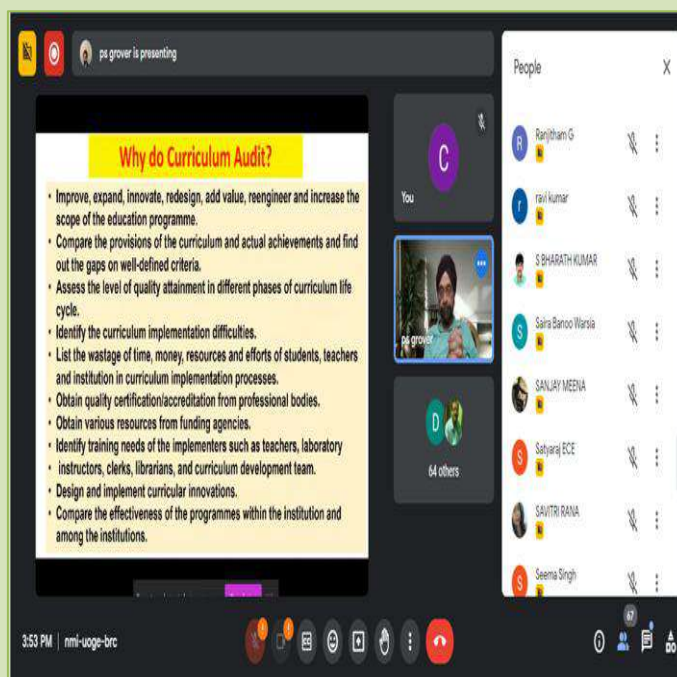
Department of **Information Technology** conducted the Board of Studies meeting on 17.05.2023. The meeting was convened by **Dr. N. Susila**, HoD, IT. The main agenda of the meeting was to approve the syllabi of sixth-semester courses, elective courses of Regulation 2020 (2021-2025 Batch) of B. Tech IT, and fourth-semester courses of Regulation 2022. **Dr. J. Raja Sekar**, Professor & Head, Department of CSE, Mepco Schlenk Engineering College, Sivakasi was the University Nominee. **Dr. N. Jaisankar**, Professor, School of Computer Science and Engineering, V.I.T University, Vellore, **Dr. M. Sangeetha**, Associate Professor, Department of IT, Coimbatore Institute of Technology, Coimbatore were the Academic Experts. **Mr. Ram Kumar Kuppuchamy**, Associate Director - Cloud Migration, Presidio, Coimbatore was the Industry Expert. **Mr. K. Faizal**, Senior Manager - Projects, Cognizant Technology Solutions, Coimbatore was the Alumni Expert.

MCT | BOS MEETING



Department of **Mechatronics Engineering** conducted 15th Board of Studies meeting on 13.05.2023 for passing the V and VI semester, professional, emerging and open elective courses of regulation 2022. The meeting was convened by **Dr. M. Lydia**, Professor and Head of the Department along with the external experts **Dr. K. Linga Durai**, Dean, Anna University Regional campus Madurai, **Dr. Santhakumar Mohan**, Associate Professor Department of Mechanical Engineering IIT Palakkad, **Dr. R. Ramakrishnan**, Associate Professor, Department of Design and Automation VIT- Vellore and the faculty members of MCT. The Industrial expert member **Mr. Raghul Manogaran**, Senior Tech Lead, Mercedes Benz, Research and Development, Bangalore and our prestigious alumni member **Mr. Muthiah**, Computation Engineer (Automotive), Akka Technologies, Germany joined the meet online. The members deliberated their vast experience and technical knowledge to fine-tune the syllabi to improve our students' skills and make them industry ready.

ECE | STC -NITTTR DAY-1



NITTTR sponsored One Week online Short term course on “**Curriculum Development Process**” conducted by the Department of Electronics and Communication Engineering from 15th May, 2023 to 19th May, 2023.

Resource Persons : Dr. Meenakshi Sood, Associate Professor, NITTTR Chandigarh and Prof.P.S.Grover, Director General, GGS IP University, Delhi.

Session Title: Inauguration & Curriculum Design Process & Blooms Taxonomy and Curriculum Implementation

Session Highlights:

- Learning outcomes
- Formal and Informal learning
- Curriculum Planning
- Evaluation and Correction
- Components of Curriculum Design
- Balanced Curriculum and improvement

ECE | STC -NITTTR DAY-2



Resource Person 1: Dr. Meenakshi Sood, Associate Professor, NITTTR Chandigarh.

Resource Person 2: Dr.Parmod Kumar Singla,Associate Professor, NITTTR Chandigarh.

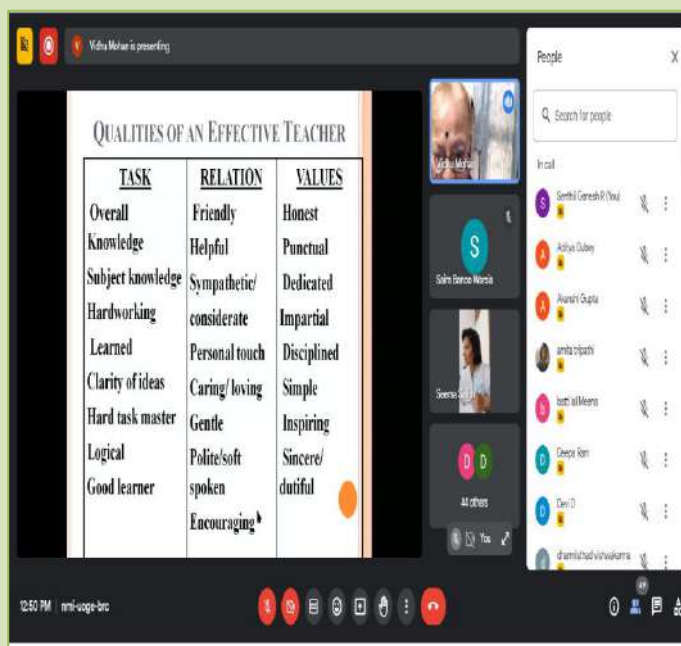
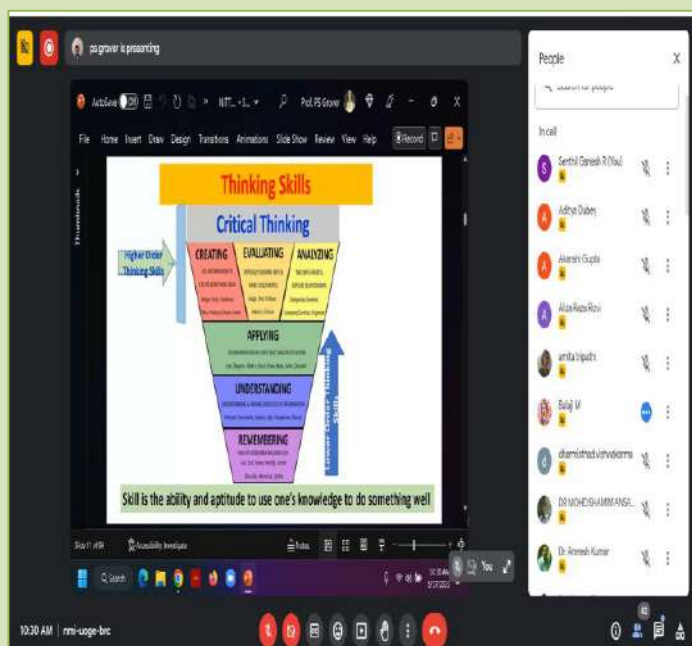
Resource Person 3: Dr. Sanjeev sofat,Associate Professor, NITTTR, Chandigarh.

Title: Outcome Based Curriculum Design & Making an Effective Presentation & Curriculum Aspect of OBE

Session Highlights:

Student Centered Learning, OBE Framework, OBE Delivery Modes, OBE Implementation, Models of OBE, Characteristics of OBE Design, Goals of Presentation Skills, Ethics of Being a Good Speaker, Structuring the Presentation, Clear and measurable learning outcomes, Backward design approach, Competency-based approach and Authentic assessment.

ECE | STC -NITTTR DAY-3



Resource Person 1: Prof.P.S.Grover, Director General, GGS IP University, Delhi.

Resource Person 2: Dr.Vidhu Mohan, Professor, Department of Psychology, Punjab University, Chandigarh.

Resource Person 3: Dr. Gaurav Kumar, Assistant Professor, NIT Uttarkhand.

Title:

- Fostering Employable Skills in Students
- Instructional Strategies for Effective Implementation of Curriculum
- E-Tools for Digital Pedagogy and Student Evaluation

Session Highlights:

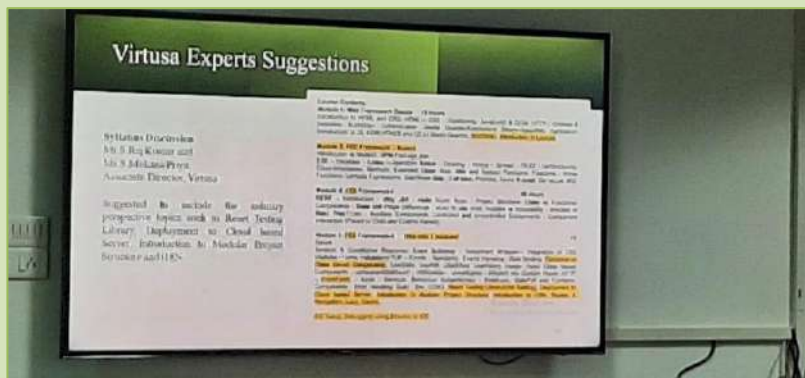
- Generic Employability Attributes
- Role of Educators and Students
- Characteristics of Higher Order Thinking and New Education Policy.

ECE | BOS MEETING



18th Board of Studies Meeting for the Department of **Electronics and Communication Engineering** was held on 12th May. The meeting was conveyed by **Dr. S. Sasipriya**, Professor and Head of the Department along with University member **Dr.Nirmala Devi**, Vice Chairperson ECE, Amirta Vishwa Vidyapeetham University, **Dr.Malathi**, Professor, Kongu Engineering College, **Dr.Arun**, Associate Professor (Sr) and Head, Department of Embedded Technology, School of Electronics Engineering, VIT university, **Mr Vishnu Prasad**, Project Manager, Soliton Technologies and our Alumni **Mr Kathirvel Saminathan**, Functional Safety Engineer, Bosch Global Software Technologies. The meeting was conducted for Regulation 2020, 2021 and 2022. Faculty members of Department also present during the meeting.

M.TECH CSE | BOS MEETING



Department of **M.Tech. Computer Science and Engineering** conducted the **8th BoS Meeting** on 17.05.2023. **Dr. P. Kavitha Rani**, Professor & Head, M.Tech.CSE convened the meeting and discussed the amendments in the curriculum, syllabus of the 9th Semester Core Course, and Virtusa on boarding. The meeting was attended by external experts including **Dr. J. Raja Sekar**, Professor and Head, CSE, Mepco Schlenk Engineering College, Sivakasi, **Dr. N. Radhika**, Professor, School of Computing, Amrita Vishwa Vidyapeetham, Coimbatore, **Dr. P. M. Durai Raj Vincent**, Associate Professor Grade 2, School of Information Technology and Engineering, Vellore Institute of Technology, **Mr. S. Rajkumar**, Associate Director, Virtusa and **Ms. R. Abayavidya**, Function Head and Group Manager, Infosys Limited, Bangalore. Valuable suggestions and feedback regarding the curriculum and syllabus were taken into consideration.

CSE | BOARD OF STUDIES MEETING



The Department of **Computer Science and Engineering** conducted Board of Studies meeting on 17.05.2023 to discuss the syllabus Revision of Regulation 2020 for B.E CSE, Regulation 2022 for B.E CSE, B.E Computer Science and Design, B.E CSE (Cyber Security) and Professional elective courses. The meeting was convened by **Dr. K. Sasi Kala Rani**, Professor and Head, CSE along with the BoS members **Dr. J. Raja Sekar**, University Nominee, Professor, CSE, Mepco Schlenk Engineering College, Sivakasi, **Dr. R. S. Lovelyn Rose**, Associate Professor, CSE, PSG College of Technology, Coimbatore, **Dr. G. Suganya**, Associate Professor, CSE, Vellore Institute of Technology, Chennai, **Mr. M. Mohan Kumar**, Software Engineer, Freshworks, Chennai. BoS members approved the curriculum and syllabi. The faculty members of CSE department were also present during the meeting.

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TESTIMONIAL BY PLACED STUDENTS

My journey in SKCET will always be a memorable one. These four years helped me to improve myself. I received a lot of opportunities to groom myself, thanks to my mentors who helped us till the very end. I can say I am totally a new and a confident person now, than I was, when I joined SKCET. All those training programs, appreciations, celebrations and events helped me to groom myself as a better person in the community. Further I would like to express my gratitude to the training and the placement team for their constant support .Now I can proudly say that I am an Application Developer at Thought Works. Thanks to our Principal, professors and Placement Team who helped me in the process. All those days in the beautiful campus and having friends and mentors who are supportive will always be cherished.

Sree Ranjani - CSE(2021 batch)

Thoughtworks-8.3 LPA



TESTIMONIAL BY PLACED STUDENTS

First and foremost I would like to thank our Management, Principal, Professors and Placement Team who are part of this glorious journey. Being in SKCET has helped me in shaping myself personally. The continuous guidance from our highly esteemed faculty members have given me the opportunity to explore my capacity and expand on it. Even during this pandemic situation they have shown us a spectacular work by bringing in prestigious companies for placements and made sure we live up to our dream. When everyone looked up the sky SKCET made us reach the stars. I have started my career as a Software Engineer @Trimble Inc the extraordinary knowledge transfer at the work environment gave me a shot to grow. I feel so fortunate that SKCET assisted me in finding this opportunity and preparing me for the interviews.

Vishali S-CSE(2021 batch)

Trimble- 6 LPA



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EEE | JOURNAL PUBLICATION

Wireless Personal Communications
<https://doi.org/10.1007/s11227-023-10450-z>



An Automated Network Slicing at Edge with Software Defined Networking and Network Function Virtualization: A Federated Learning Approach

Thamilselvan Rakkiannan¹ · Gothai Ekambaram² · Natesan Palanisamy³ · Rajalaxmi Rajammal Ramasamy⁴ · Suresh Muthusamy⁵ · Ashok Kumar Loganathan⁶ · Hitesh Panchal⁷ · Kokilavani Thangaraj⁸ · Ashokumar Ravindaran⁹

Accepted: 7 April 2023
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Abstract

Network slicing allows heterogeneous applications can be launched across different domain using virtualized resources. The virtualized resources are created on the physical infrastructure. The orchestrator is essential for coordination of network slice management. The overhead in the slice orchestrator is reduced by distributed approach. The slice template act as a design specification template for the creation of network slices. This template can be predicted using federated learning, in which local models are trained with the generated data and global model is trained with local model parameters. Then the global parameters are updated in the local model for further learning. The federated model uses the Software Defined Networking (SDN) capability to learn the local model data distribution and hence enhance global SDN federated controller prediction accuracy for network slices. This process can be automated with the help of slice template with the predicted pattern. The parameters of the slice template are directly proportional to the performance of the slice orchestrator and predictor of future slice demand. The edge devices with its local model communicate with the global SDN federated model to satisfy the requirement of dynamic network slicing. The request on-demand services can be provided as virtual network function using network function virtualization. The optimal resource allocation for the requested slice can be done with statistical modeling of observed traffic and auto-scaling can be carried out. Experimental studies reveal that the proposed network slicing with federated approach minimal response time with maximal orchestrator scalability.

Keywords Network slicing · Federated learning · Orchestrator · Software defined networking · Network function virtualization

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Extended author information available on the last page of the article.

Published online: 26 April 2023



Dr.T.Kokilavani, Assistant Professor, EEE Department has published a paper entitled “An Automated Network Slicing at Edge with Software Defined Networking and Network Function Virtualization: A Federated Learning Approach” in Wireless Personal Communications, Springer. It is SCI indexed journal with an impact factor of 2.017.

ECE | JOURNAL PUBLICATION | R&D

Dr.M.Ramkumar, Assistant Professor, Department of ECE has published a SCI and Scopus indexed Journal paper titled “Ensemble classifier fostered detection of arrhythmia using ECG data” in Medical & Biological Engineering & Computing, ISSN: 1741-0444, DOI: 10.1007/s11517-023-02839-6.

10.1007/s11517-023-02839-6



Home > Medical & Biological Engineering & Computing > Article

Original Article | Published: 05 May 2023

Ensemble classifier fostered detection of arrhythmia using ECG data

M. Ramkumar[✉], Manjunathan Alagaisamy, A. Balakumar & S. Pradeep

Medical & Biological Engineering & Computing (2023) | [Cite this article](#)

61 Accesses | [Metrics](#)

Abstract

Electrocardiogram (ECG) is a non-invasive medical tool that divulges the rhythm and function of the human heart. This is broadly employed in heart disease detection including arrhythmia. Arrhythmia is a general term for abnormal heart rhythms that can be identified and classified into many categories. Automatic ECG analysis is provided by arrhythmia categorization in cardiac patient monitoring systems. It aids cardiologists to diagnose the ECG signal. In this work, an Ensemble classifier is proposed for accurate arrhythmia detection using ECG Signal. Input data are taken from the MIT-BIH arrhythmia dataset. Then the input data was pre-processed using Python in Jupyter Notebook which run the code in an isolated manner and was able to keep code, formula, comments, and images. Then, Residual Exemplars Local Binary Pattern is applied for extracting statistical features. The extracted features are given to ensemble classifiers, like Support vector machines (SVM), Naive Bayes (NB), and random forest (RF) for classifying the arrhythmia as normal (N), supraventricular ectopic beat (S), ventricular ectopic beat (V), fusion beat (F), and unknown beat (Q). The proposed AD-Ensemble SVM-NB-RF method is implemented in Python. The proposed AD-Ensemble SVM-NB-RF method is 44.57%, 50.41%, and 29.49% higher accuracy; 0.01%, 3.33%, and 3.19% higher area under the curve (AUC); and 21.52%, 23.05%, and 12.68% better F-Measure compared with existing models, like multi-model depending on the ensemble of deep learning for ECG heartbeats arrhythmia categorization (AD-Ensemble CNN-LSTM-RRHOS), ECG signal categorization utilizing VGGNet: a neural network based classification method (AD-Ensemble CNN-LSTM) and higher performance arrhythmic heartbeat categorization utilizing



MECH | JOURNAL PUBLICATION | R&D

Development and Testing of a Machine Learning-Based Prediction Model For Optimized Machining Conditions *Series: A-Research paper*

DEVELOPMENT AND TESTING OF A MACHINE LEARNING-BASED PREDICTION MODEL FOR OPTIMIZED MACHINING CONDITIONS

J. Syed Nizamuddeen Ahmed¹, V.S Jayalakshmi², Md Mustaq AB³, Balu Mahandiran S⁴, S.Punitha⁵, Janmejay Pant⁶

Article History: Received: 12.02.2023 Revised: 27.03.2023 Accepted: 12.05.2023

Abstract

This research investigates the machining of EN 31 alloy using a tungsten carbide tool coated with Al₂O₃+TiN+TiCN under different machining conditions. Surface roughness and power consumption during machining are analyzed, as these are critical parameters in the industry. The research is planned using the Taguchi 19 array, and optimization and prediction techniques are employed. The results are optimized using signal-to-noise ratio analysis, and two machine learning approaches, linear regression and artificial neural network, are utilized. The developed machine learning models predict the response with high accuracy, with the linear regression model achieving an accuracy of 95%, while the neural network model achieves an accuracy of 99.99%. The results of this research can provide insights into the use of coated tungsten carbide tools in machining EN 31 alloy under different machining conditions. Furthermore, the use of machine learning models can aid in the estimate and finding the best combination of machining limits, leading to improved surface quality and reduced consumption of electric power during machining. Overall, this research highlights the potential benefits of integrating machine learning techniques with traditional machining processes, opening up new avenues for research and development in the manufacturing industry.

Keywords: Machining optimisation, Artificial neural network, Linear regression, surface roughness

Mr. S. Balu Mahandiran, Assistant Professor, Mechanical Engineering has published a scientific article entitled **‘Development and Testing of a machine learning based prediction model for optimized machining conditions’** in European Chemical Bulletin. It is a Scopus Indexed Journal.

MCT| JOURNAL PUBLICATION | R&D

Dr.G.Veerappan, Associate Professor of MCT have successfully published a paper entitled **“Effects of ZnO addition on the microstructure / corrosion, wear and mechanical properties of sintered Mg- Al matrix composites”** in the Journal of Alloys and Compounds, Elsevier Publication, indexed in Web of Science and Annexure I, with impact factor of 6.371.

Sri Krishna College of Engineering and Technology does not subscribe to this content on ScienceDirect

Journal of Alloys and Compounds
Available online 9 May 2023, 170500
In Press, Journal Pre-proof [Write this?](#)

Effects of ZnO addition on the microstructure/corrosion, wear and mechanical properties of sintered Mg-Al matrix composites

[S. Jayasathyakavin¹](#), [M. Ravichandran^{1,2}](#), [S. Kiru Oluvatorimi Ismail^{3,4}](#), [G. Veerappan⁵](#)

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<https://doi.org/10.1016/j.jallcom.2023.170500> [Get rights and content](#)

Abstract

Magnesium (Mg)-based composites offer outstanding properties, which make them suitable materials for various applications in medical, aerospace and energy sectors, among others. The wide applications of Mg-based composites have attracted continuous effort to increase their properties and performances. Therefore, the present work focused on synthesizing magnesium-aluminium-zinc oxide (Mg-Al-ZnO) composites. Mg-3Al-xZnO (x = 3, 6 and 9 wt.%) composites were prepared using powder metallurgy (PM) route. The composite powders and sintered composites were analyzed to determine their microstructures, using scanning electron microscopy (SEM) and energy dispersive X-ray

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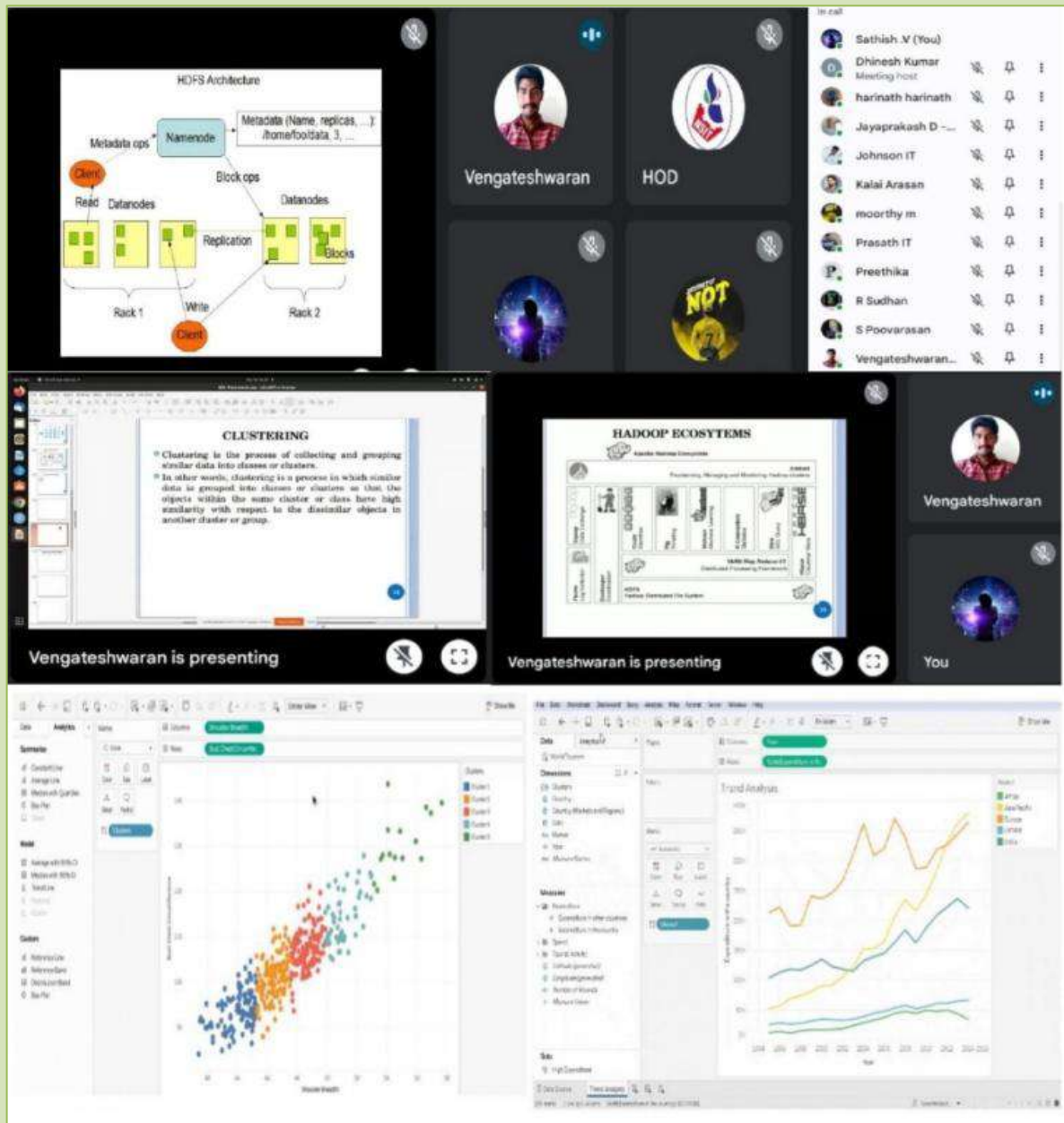


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CSE | RESOURCE PERSON - SEMINAR



Mr.M.Vengateshwaran Assistant Professor, Department of **Computer Science and Engineering** has been a Resource Person for the Seminar titled "**Research Approaches for Exploring data in Data Analysis and Visualization** " organized by the Department of CSE, Narasu's Sarathy Institute of Technology held on 13.05.2023.

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EEE| NPTEL ONLINE CERTIFICATION



Mr.S.Karthikeyan, Assistant Professor, **EEE** Department has Completed 8 week course on “**Enhancing Soft Skills and Personality**” with **Elite Certificate** organized by Indian Institute of Technology, Kanpur.

CIVIL| FACULTY NITTTR CERTIFICATION

Dr. R. Chandra Devi, Associate Professor, Department of **Civil Engineering** has participated in the AICTE recognized FDP on “**Strategic Planning and Management**” conducted by Entrepreneurship Development and Industrial Coordination Department from 24th to 28th April 2023.



SOM | FACULTY DEVELOPMENT PROGRAMME



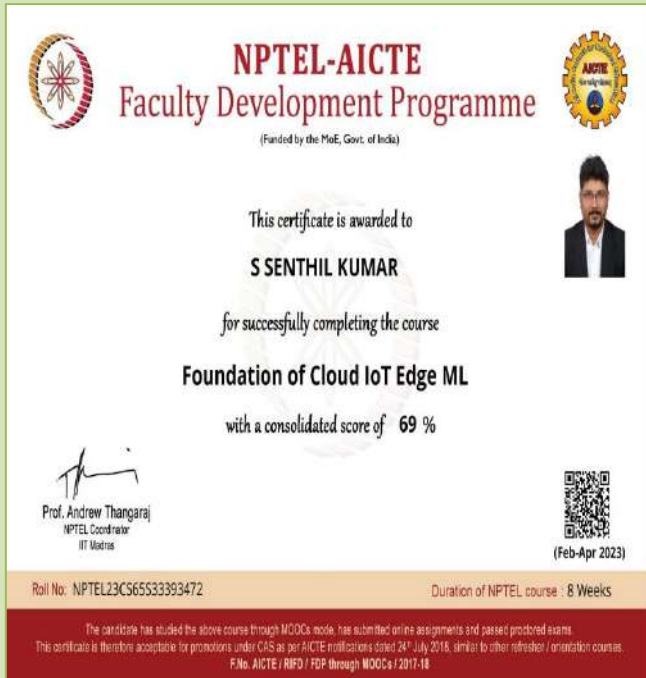
Dr. R. Muthukrishnan, Assistant Professor, **School of Management** has participated in the AICTE recognized Faculty Development Programme on “**Strategic Planning & Management**” from **23rd April to 28th April 2023**, conducted by Entrepreneurship Development and Industrial Coordination Department of National Institute of Technical Teacher Training and Research, Chandigarh.

CSBS | FACULTY DEVELOPMENT PROGRAMME

Dr. G. Ignisha Rajathi, Associate Professor, Department of **CSBS** has participated in the AICTE Recognized Faculty Development Programme on “**Strategic Planning and Management**” conducted by Entrepreneurship Development and Industrial Coordination Department from 24.04.2023 to 28.04.2023 at Sri Krishna College of Engineering and Technology.



AI&DS | AICTE- FACULTY DEVELOPMENT PROGRAMME



Mr. S. Senthil Kumar, Assistant Professor of **AI&DS** has successfully completed NPTEL-AICTE Faculty Development Programme course on “**Foundation of Cloud IoT Edge ML**”

IT| INFOSYS SPRING BOARD CERTIFICATION

Mr. Chandramohan S, Assistant Professor, Department of **IT** has successfully completed and received certification on “**Developing with Blockchain**” certified by Infosys Springboard.



AI&DS | TCS- ION CERTIFICATION

Mr. S. Senthil Kumar, Assistant Professor of AI&DS has successfully completed “Master Data Management for Beginners” on 11.05.2023 by TCS- ION

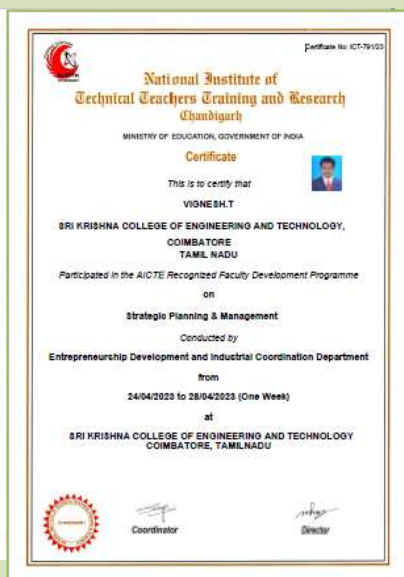
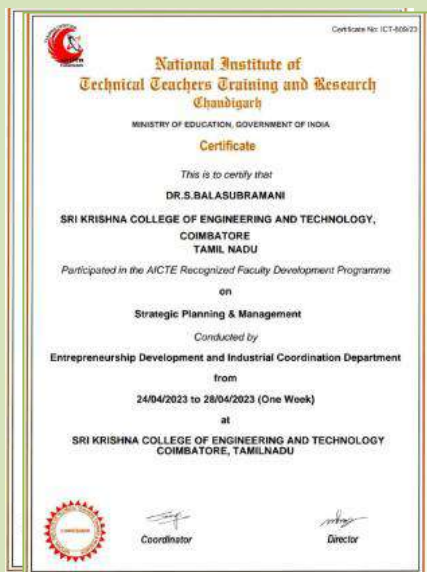


M.Tech. CSE | FACULTY NPTEL CERTIFICATION



Ms. T Dureen V Rayen, Assistant Professor, M.Tech Computer Science and Engineering has been certified with Elite Silver Certificate in Enhancing Soft Skills and Personality based on her outstanding performance.

MCT| NITTTR CERTIFICATION



Dr.D.Pritima, Dr. S.Balasubramani, Dr.G.Veerappan, Dr.M.Bhuvaneshwari, Mr.T.Vignesh, faculty members of MCT have actively participated in the AICTE recognized one week online Faculty Development Program on “Strategic Planning and Management” conducted by Entrepreneurship Development and Industrial Coordination Department, NITTTR from 24.04.23 to 28.04.23.

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CIVIL | CONFERENCE PRESENTATION



Dr.P.Saravanakumar, Associate Professor, Department of Civil Engineering has presented a research article titled “**Innovative Method for Earthquake Prediction system using Hybrid Convolutional Neural Network and SVM**” in the 2023 International Conference on Artificial Intelligence and Applications (ICAIA) organized by Alliance College of Engineering and Design, Alliance University, Bengaluru from 21st to 22nd April 2023.

LEGENDARY INSIGHT

