



GSSS | GEETHA SHISHU
SHIKSHANA SANGHA(R)
**INSTITUTE OF ENGINEERING
AND TECHNOLOGY FOR WOMEN**
(Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE New Delhi & Govt of Karnataka)
KRS Road, Metagalli, Mysuru - 570016



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Press Report

on

Mini Project Expo-2024 held at GSSSIETW, Mysuru

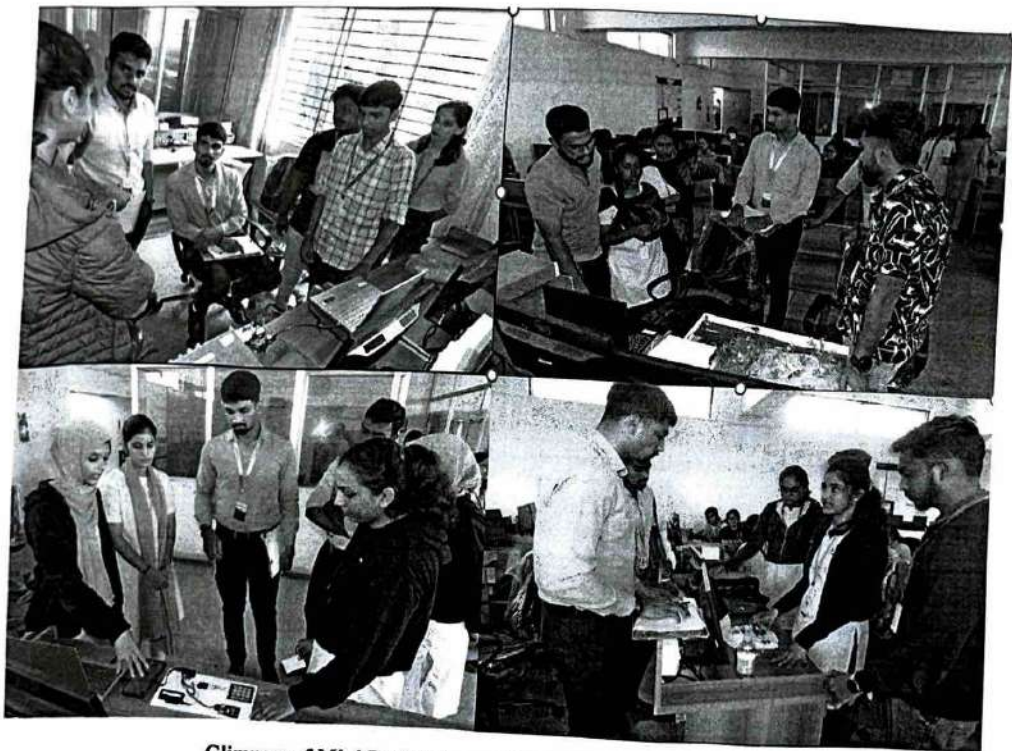


Glimpses of Mini Project Expo-2024 Valedictory function held on 23rd July 2024.

The Department of Electronics & Communication Engineering at GSSSIETW Mysuru hosted the Mini Project Expo-2024, an intercollegiate competition, on July 23, 2024, under the IETE Students Forum. The Mini Project Expo aimed to enhance and motivate students by providing an opportunity to select topics of interest, develop their own scientific investigations and models, and highlight the opportunities and challenges in the field of engineering. It also offered insights into future procurement plans and examined various technology options and strategies.

The primary objective of the competition was to create a forum for showcasing technical challenges in Electrical, Electronics, Communication, Information Technology, and related fields. This event allowed students to present their innovative projects and demonstrate their learning experiences.

The Mini Project Expo received 36 mini project titles from various institutes across Karnataka, including AIT Chikamagalur, RIT Hassan, SJBIT Bangalore, ATME Mysuru, MIT Thandavapura, PES Mandya, and RL Jalapa Institute of Technologies Doddaballapur. Additionally, over 20 students from various branches of GSSSIETW participated in the event. The mini projects were assessed by external industry experts, with attractive cash prizes and appreciation certificates awarded to the top-performing groups based on evaluation criteria.



Glimpses of Mini Project Expo-2024 held on 23rd July 2024

The Mini Project Expo-2024 concluded with a valedictory function. The chief guests and judges for the program were Sri Vinod H R, Embedded and Sri Karthik B G, RTL Design Engineer at Pravega Semi Pvt Ltd, Mysuru. They emphasized the importance of applying theoretical knowledge to develop unique solutions for - - - ?

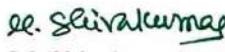
projects and advised students to think like product engineers, which would benefit them during placements.

Following the judges' address, prizes were distributed to the winners. Dr. Shivakumar M, Principal of GSSSIETW, highlighted the importance of undertaking mini projects, noting that the experience and knowledge gained during their implementation are invaluable. He stressed that better team coordination often leads to success and that participation in competitions helps students upgrade their knowledge and skills. He congratulated all the winners and participants of the Mini Project Expo-2024.

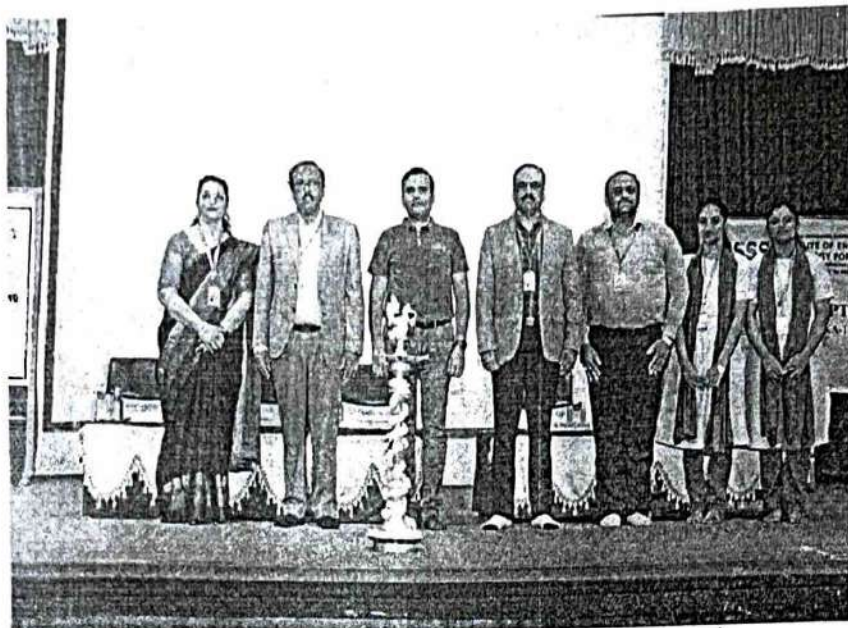
Smt. Vanaja B Pandit, Hon. Secretary of GSSS(R), Sri Bharath R K, Member & CEO of GSSS(R), and Smt. Anupama B Pandit, Board Member & AO of GSSS(R), congratulated all the participants and the ECE department for successfully conducting the Mini Project Expo-2024.


Dr. Rajendra R Patil 24/7/24

HoD, ECE
Head of the Department
Dept of Electronics & Communication Engg
GSSSIETW, Mysore, India-570016


Dr. M. Shivakumar 24/07/2024
Principal
Principal
GSSSIETW, Mysore-16

**Inaugural function of National Conference on Communication and Data
Science**
NCCDS-2024 held at GSSSIETW, Mysuru



From left: Dr. S. Padmashree, Professor, Dept. of ECE, GSSSIETW and Conference Convener, NCCDS-2024, Dr. Shivakumar M, Principal, GSSSIETW, and Conference General Chair, NCCDS-2024, Sri. Chandrashekaraiyah B R, Delivery Head – Digital Healthcare, Medical Devices and Life Sciences, L&T Technology Service Limited, Mysuru, Dr. Rajendra R Patil, Prof. and Head, Dept. of ECE, GSSSIETW and Organizing Chair, NCCDS-2024, Dr. Jayanth J, Professor, Dept. of ECE, GSSSIETW and Conference Convener, NCCDS-2024, Students.

The 4th National Conference on Communication and Data Science (NCCDS) organized by Department of Electronics and Communication Engineering, GSSSI Institute of Engineering and Technology for Women, Mysuru in association with ISTE, IETE and publication partner International Journal of Trendy Research in Engineering and Technology (IJTRET) was inaugurated by Sri. Chandrashekaraiyah B R, Delivery Head – Digital Healthcare, Medical Devices and Life Sciences, L&T Technology Service Limited, Mysuru on 25th April 2024. Dr. Padmashree S, Professor, Dept. of ECE, Convener of NCCDS 2024 formally welcomed the gathering.

Sri. Chandrashekaraiyah B R in his inaugural address highlighted about the significance of finding solutions for real time problems. In his talk he mentioned that, 5G technology and Edge computing is aiming at reducing the burden of

repetitive tasks on doctors, developing high-performance genomic analysis platforms, identifying new molecular targets for drug discovery, optimizing clinical trial procedures, analyzing electronic medical data to improve patient care, and forecasting disease progression to reduce mortality rates. He also stressed upon the importance of data population management for understanding, serving, and improving outcomes for specific populations across various domains. Data population management enables organizations to make informed decisions, target interventions, optimize resources, improve service delivery, adopt evidence-based practices, safeguard public health and safety, and demonstrate compliance and accountability. He also highlighted about Software Defined Vehicles, Edge Computing, remote surgery and smart cities.

Dr. Shivakumar M, Principal, GSSSIETW and General Chair, NCCDS-2024, emphasized on Medical data portability to access and transfer patient health records or medical data between different healthcare providers. He also emphasized that individuals will have greater control over their health information and facilitates continuity of care across various healthcare settings. Further, he spoke about the significance of attending conferences and publishing paper. He encouraged the participants to attend such programmes to enhance their knowledge and excel well in the current competition in the field.

Dr. Rajendra. R. Patil, Prof and Head, Dept. of ECE and Organizing chair of NCCDS-2024 gave an insight about the conference. He mentioned that a total of 75 papers across Karnataka were selected for presentation under various tracks like Embedded Systems/ Robotics, AI / Machine Learning, Deep learning, Wireless communication, IoT and Signal/Image processing. These presented papers will be assessed by eminent session chairs invited from various engineering colleges. Best papers will be announced in every track and selected papers shall be published in the conference proceedings and will be submitted to International Journal of Trendy Research in Engineering and Technology (IJTRET).

The inaugural function was graced by **Smt. Vanaja B Pandit**, Hon. Secretary GSSS (R) and Chief Patron, NCCDS-2024, **Dr. Shivakumar M**, Principal, GSSSIETW and General Chair of NCCDS 2024, **Dr. Rajendra R Patil**, Professor and Head, Dept. of ECE and Organizing Chair of NCCDS 2024, **Dr. S Padmashree** and **Dr. Jayanth. J**, Professors in Dept. of ECE and Conference Conveners. The presidential address was delivered by **Smt. Vanaja B Pandit**, Hon. Secretary GSSS (R). She blessed and wished all the participants good luck.

Finally, Vote of thanks was delivered by Dr. G. Manjula, Associate Professor,
Dept. of ECE, Organizing Committee, NCCDS-2024.

Dr. G. Manjula

PRINCIPAL

GSSS Institute of Engineering & Technology for Women
K R S Road, Metagalil Industrial Area,
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Dr. G. Manjula
Dr. G. Manjula
25/7/24



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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 07-12-2023

Press Note

**Technical Guest Lecture Series on “Entrepreneurship” held at GSSSIETW, Mysuru,
Organized by Dept. of Electronics & Communication Engineering**



Glimpses of the Technical Guest lecture Series

Department of Electronic and Communication Engineering under AECES in association with IETE Students' Forum, GSSS Institute of Engineering and Technology for Women, Mysuru, organized a technical guest lecturer series on Entrepreneurship for V Semester ECE students on 27/11/2023. **Dr. Yeshawinag N, Assistant Director at Hand in Hand Academy for social entrepreneurship, Kancheepuram, Tamil Nadu** was the resource person.

The session was commenced by welcoming the resource person and the participants. **Dr. Rajendra R. Patil, Professor & Head, Dept. of ECE** briefed the participants about the significance of Entrepreneur and why should we focus on building the their own Startup Technology Company. He motivated all the participants to make the best use of this event as it helps them to enhance knowledge about opportunities to build their technology company.

There were two sessions taken by the resource person, In morning session the resource person gave presentation about the startup and how to be a unique person among the others, characteristics of an entrepreneur, explained some of the key factor to start a Startup and how to present our model to the

customer, and he gave some important tips to scale up the startup company. He told that for any innovation we need two things one is creativity and another is commercialization. He gave a series of example how the big company model has failed in their idea executions such as marketing, expense, design, symbol, and way of communication with the customers.

The Afternoon Session was all about the how government will help the candidates in the Startup Company and how they will fund for the idea in the initial state only. By this the participants came to know how the startup can be funded and how the idea or a model can be marketed.

Dr .Yeshawinag encouraged the students to aim a big thing and to start thinking in a positive manner and explained the significance of Startup in India.

As a whole these two sessions were very interactive and it would help student to grab an opportunity that is created by the government. Resource person clarified all the doubts and questions asked by the participants. Over 195 students of 5th Semester ECE students participated in the event. This event was appreciated by all the participants.

Smt. Vanaja B Pandit, Hon. Secretary, GSSS (R), Sri. R K Bharath CEO and MCM, GSSS (R), Smt. Anupama B. Pandit, Administrative Officer, GSSS (R) and Dr. M. Shivakumar, Principal, GSSSIETW, had conveyed their best wishes for the successful of the event.

Rajendra R Patil 7/12/22
Dr. Rajendra R Patil
HoD, ECE
Head of the Department
Dept of Electronics & Communication Engg
GSSSIETW, Mysuru, India-570016



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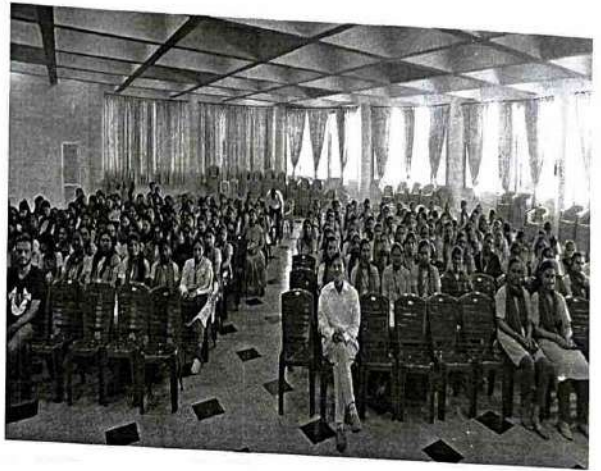
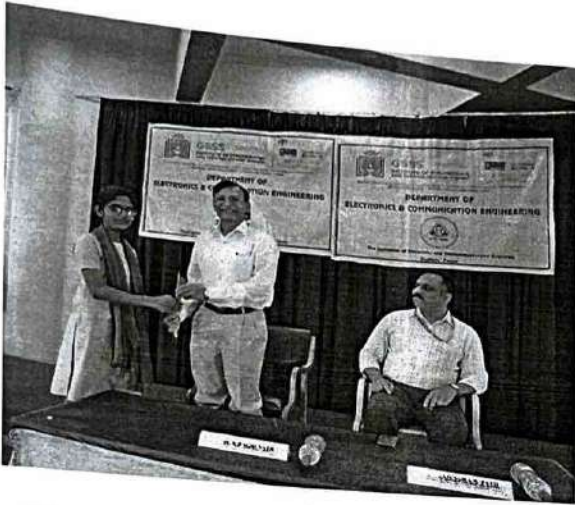
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Department of Electronics & Communication Engineering

Press note

Technical Talk on "Gate Awareness Program" by Dr. Raghunath, RLC Solutions, Bangalore on 13/04/2023. Date: 20-04-2023



"Mr Dr. Raghunath, RLC Solutions, Bangalore was the resource person for the technical talk.

Department of Electronics and Communication Engineering under AECES in association with IETE Students Forum organized a Technical Talk on "Gate Awareness Program" for 6th semester of ECE department, GSSS Institute of Engineering and Technology for Women on 13/04/2023(Thursday).

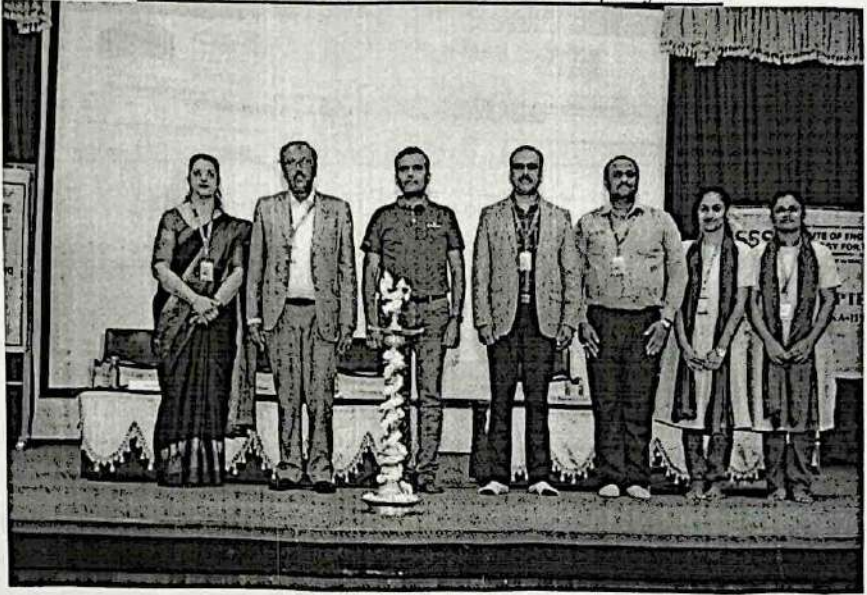
The objective of the technical talk is to focus on GATE exam for Electronics and Communication students, importance of gate coaching in providing healthy competition among the students. He explained the importance of understanding the ECE subjects such as EMW, Signals and Systems, DSP, Network analysis. He explained the analysis of RC circuit. Dr Rajendra R Patil, Professoor and Head department of Electronics and Communication, Dr S Padmashree, Professor and the faculty members were present for the event. Over 160 students of 6th Semester ECE students participated in the event.

Rajendra R Patil
 HOD, ECE 20/04/2023

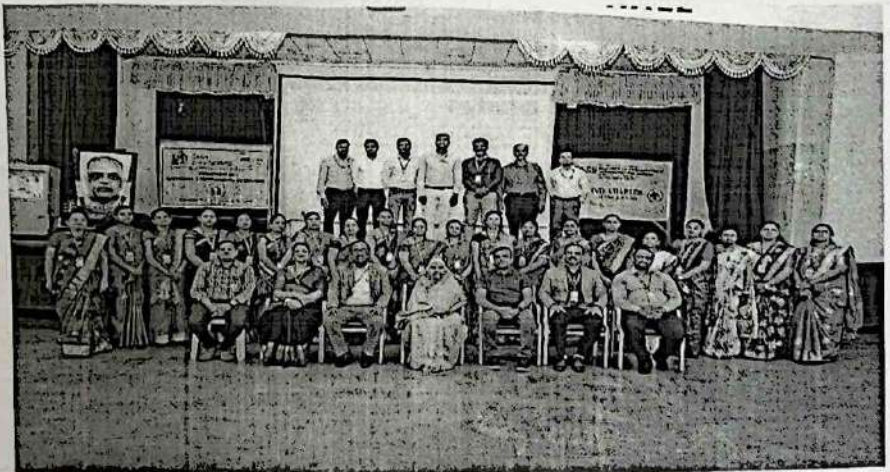
Head of the Department
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 GSSSIETW, Mysuru, India-570016

**Inaugural function of National Conference on Communication and Data
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Hon. Secretary Smt. Vanaja. B. Pandit with chief guest Sri. Chandrashekaraiah B R, Delivery Head – Digital Healthcare, Medical Devices and Life Sciences, L&T Technology Service Limited, Mysuru, Dr. Shivakumar M, Principal, GSSSIETW, and Conference General Chair, NCCDS-2024 and Staff of ECE, GSSSIETW.

Rehappa
20/4/2024
Head of the Department
Dept of Electronics & Communication Engg
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Date: 03.05.2024

IEEE STUDENT BRANCH

Press Note

8th National Level Project expo-2024 on 3rd May 2024

GSSS Institute of Engineering and Technology for Women, Mysuru has conducted 8th National Level Project Competition-2024 under IEEE Student Branch (STB17861) in association with IEEE Bangalore Section and IEEE Mysuru Subsection on 3rd May 2024.

The purpose of this competition was to provide a forum for the engineering students to exhibit their technical skills implemented in area of electronics, Communication, Computer Science, Mechanical and Civil engineering. Major objective of organizing this exhibition is to provide opportunities and unleash the potential of students to showcase their innovative projects developed. This event also provided an opportunity for the students to demonstrate their learning experience. This creates a platform to share and exchange ideas of students from various Institutions, which also encourage their minds to actively involve, interact and to enhance their knowledge. Winners were awarded with attractive cash prizes and certificates.

The inaugural function was held on Friday 3rd May 2024 at 10AM in Govinda Rao Memorial Hall, GSSSIETW campus. The 8th National Level Project Competition-2024 was inaugurated by the Chief guest Dr. T. Srinivas, Professor, ECE, IISc and Chair, IEEE Bangalore Section.

Dr. Shivakumar M, Principal, GSSSIETW, Mysuru, Dr. Raghavendraprasad Despande, IEEE Student Branch Counselor and Associate professor, Jury members of all the sessions, Head of the Departments of GSSSIETW, IEEE Faculty Coordinators and student participants from various engineering college across the state were present.

Dr. T. Srinivas in his inaugural address spoke about importance of participation in technical competition by the students along with academic performance to meet the industry standard. He also mentioned that, it is a platform to find future entrepreneurs and researchers who can contribute to the society. He has appreciated all the jury members and coordinators. Dr. T. Srinivas also highlighted about various societies of IEEE, each dedicated to advancing specific technological fields. These societies, such as the IEEE Computer Society, IEEE Power & Energy Society, and IEEE Communications Society, provide members with resources for professional growth, networking, and collaboration. He narrated the support provided by IEEE for research,

development, and the dissemination of knowledge through conferences, publications, and educational programs. He also briefed about hoe Engagement with these societies helps members stay at the forefront of technology and contribute to their fields' advancements.

Dr.M Shivakumar, Principal, GSSSIETW addressed the gathering. He thanked all the dignitaries for their presence in the inaugural function. He said this competition is a platform for the students to exhibit their ideas and skills acquired by them for learning. He mentioned that the 8th National IEEE Project Competition has received 60 teams from various institutions and also thanked all the jury members for being an counterpart in success of the event.

After the inaugural function, 5 parallel sessions were held to evaluate the projects in various domains like Power and Energy Systems, VLSI Systems and Applications, Embedded Systems, Robotics & Automation, Internet of Things (IOT), Computer Science & Engineering. 05 Jury members from reputed organizations spared their valuable time to asses these projects. Cash prize of Rs 15000, was distributed among 10 winning teams along with the certificate of appreciation.



Dr. Shivakumar
PRINCIPAL
Principal
GSSSIETW, Mysore-16



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IEEE
BANGALORE SECTION



IEEE
MYSORE SUBSECTION

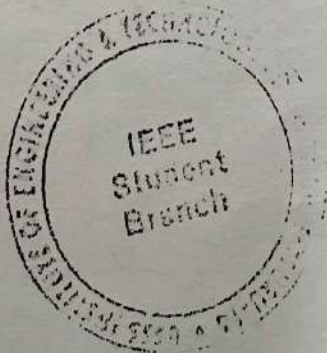
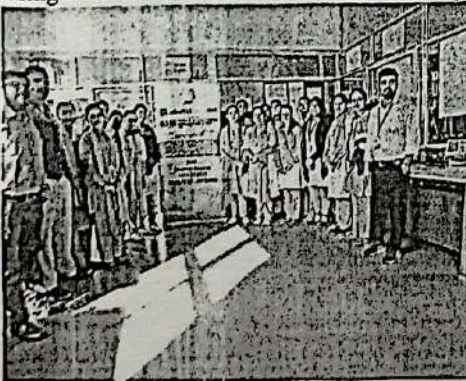
IEEE STUDENT BRANCH GSSSIETW, MYSURU

08/02/2024

Report on IEEE Members Administrative Meeting

IEEE members Administrative Meeting was organized on 08/02/2024, in room no:A114, at 9:00 am. Under the guidance of Dr. Raghvendraprasad Deshpande, IEEE student coordinator and Anjali K, Chair GSSSIETW IEEE SB EXECOM(STB17861). Dr. Jagadisha N, Associate Professor, EEE, Advisor PES chapter and Girisha K M, Assistant Professor, EEE, also attended the meeting. The administration meeting was dedicated to mapping out the schedule of events and activities leading up to April, with a primary focus on following key points.

Focused on planning activities to commemorate Women's Day, which is on March 8th. Additionally, there was significant attention given to coordinating the IEEE project expo. A major aspect of the meeting was strategizing how to make the most effective use of available funding through collaborative planning. Also, there was a strong emphasis on administrative tasks related to documentation and accessibility. This included the completion, updating, and uploading of all meeting reports to vtools, a platform likely used for centralized document management. Ensuring that these reports are comprehensive and readily accessible ensures transparency and accountability within the organization. Overall, the meeting was geared towards comprehensive planning and coordination to ensure the successful execution of upcoming events and activities, while also prioritizing efficient resource utilization and transparent documentation practices



Raghvendra 8/2/2024
Dr. Raghvendraprasad Deshpande
IEEE, SBC
Associate Professor, EEE
GSSSIETW, Mysuru
Branch Councilor
IEEE Student Branch
GSSSIETW Mysuru-16



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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 07/04/2024

To,
The Principal
GSSSIETW, Mysuru.

Through HoD,
ECE Dept,
GSSSIETW, Mysuru

Respected Sir,

Sub: Requisition for organizing Five Days Faculty Development Program on "Realizing a Software Defined Radio using FPGA" from 20th to 24th May 2024.

Department of Electronics and Communication Engineering, GSSSIETW would like to organize **Five Days Faculty Development Program on "Realizing a Software Defined Radio using FPGA" from 20th to 24th May 2024** in association with IEEE CAS Society and IEEE SB, GSSSIETW. This FDP offers numerous benefits to faculty members, enabling them to enhance their skills, knowledge, and teaching capabilities in the field of SDR and FPGA technology.

This Faculty Development Program (FDP) provides faculty members with a comprehensive grasp of Software Defined Radio (SDR) technology, covering its fundamental principles, architecture, and diverse applications. Moreover, Faculty members will acquire essential skills for implementing SDR systems using Field-Programmable Gate Arrays (FPGAs), including understanding FPGA architecture, mastering programming languages like Verilog or VHDL, and adopting design methodologies crucial for SDR-based application development.

Through immersive practical sessions, faculty members will engage in hands-on experiences focused on designing, implementing, and testing SDR systems using FPGA platforms. This hands-on exposure equips them not only to understand SDR concepts thoroughly but also to effectively convey these concepts to students and provide guidance in FPGA-based projects. Consequently, faculty members



can seamlessly integrate the latest advancements in SDR technology into their teaching curriculum, enriching the learning experience for their students.

In this connection, the expected Expenditure to organise the above said FDP is Rs 40,200.00 (Rupees Forty Thousand Two Hundred Only). This amount will be utilised from ECE Dept-AECES Account. Detailed expenditure and detailed schedule with resource persons is enclosed for your kind reference. We request your approval to collect a Registration fee of Rs 500/- from the participants. The Registration amount and Sponsorship amount received will be deposited in AECES account.


We request you to kindly permit and support us to organize the event.

Thanking You.

Yours faithfully

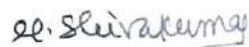

Dr Sreenivas Rao, Dr Shyamala C,

Dr Latha M, Dr Asha M

FDP Coordinators


Dr Rajendra R Patil

HoD, ECE

Head of the Department
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Dr Shivakumar M

Principal