



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Press Report on

**Four days workshop on “Problem Solving Techniques Using C ++” and
“Mastering Microcontroller Peripherals” held at GSSSIETW, Mysuru**



Glimpse of Two days workshop on “Problem Solving Techniques Using C ++”



Glimpse of Two days workshop on “Mastering Microcontroller Peripherals”



Hands on session in Mastering Microcontroller Peripherals workshop

Department of Electronics and Communication Engineering (ECE) organized Four-Days workshop on **“Problem Solving Techniques Using C++”** and **“Mastering Microcontroller Peripheral”** from 20th to 23rd November 2024 for the 3rd semester students. The event aimed to enhance students programming skills particularly in C++ and explore its application in mastering microcontroller peripherals for real-world system development.

The Resource person for “Problem Solving Techniques Using C++” was **Dr. Ramprasad H C, Head-Academics & Operations, 10 Seconds, Bengaluru**. The Resource persons for “Mastering Microcontroller Peripheral” were **Mr. Vinod and Mr. Vybhav. M, Engineers from Pravega Semi Pvt Ltd, Mysuru**.

The event commenced with a warm welcome to the distinguished resource persons as well as the participating students. Dr. Rajendra R. Patil, Professor and Head of the Department of ECE, highlighted the importance of Problem Solving Techniques in C++ and Embedded Systems. He stressed the relevance of these skills in improving the efficiency of device functionality and their role in driving innovation and creating new career opportunities. He emphasized that proficiency in C++ and the use of industry-standard tools are crucial for students to build advanced, efficient systems and contribute to the tech industry.

Dr. Ramprasad H C gave a brief introductory session with the program concepts in C++, an exploration of reference usage for aliasing variables, and a detailed explanation of the "this" pointer's role in storing object addresses. Access specifiers, both public and private, were elucidated, along with the significance of friend functions as access bridges between classes. The session also covered guidelines for default arguments in function declarations and the merits of inline functions

compared to macros. Polymorphism, showcasing the versatility of one function or operator, and the concept of function overloading were explored.

Mr. Vinod delivered an insightful briefing on various sensor types, the fundamentals of Arduino, the characteristics of embedded systems, and their diverse applications. The session included hands-on experience for the students with sensor interfaces using the BLYNK application. Engaging in practical programming enhanced their understanding of embedded systems and their applications. Overall, students gained valuable knowledge and experience in working with microcontrollers and sensor technology.

Mrs. Anupama B. Pandit, Secretary, GSSS (R), Sri. R K Bharath, CEO & MCM, GSSS (R), and Dr. Shivakumar M. Principal, GSSSIETW conveyed their best wishes for the success of the program.



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Dr. Rajendra R. Patil

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION

Press Note

Skill Development Program on “ Problem Solving techniques using C++, Data Structure and Algorithms” for 6th Semester Students held at GSSSIETW, Mysore.



Glimpses of Skill Development Program on “Problem Solving techniques using C++, Data Structure and Algorithms”.


Department of Electronics and Communication Engineering, GSSS Institute of Engineering and Technology for Women, Mysuru, permanently affiliated to VTU Belagavi and Accredited by NBA, New Delhi, under AECES organized a Skill Development Program on “**Problem Solving techniques using C++, Data Structure and Algorithms**” from 7th March to 13th March 2025 for 6th semester students at GSSSIETW, Mysore

The session commenced with an introduction of resource person, Dr Ramaprasad H C, Head-Academics & Operations, 10 Seconds, Bengaluru followed with welcome address. Dr. Rajendra R. Patil, Professor & Head, Department of ECE, Dr Padmashree S. Professor, Department of ECE, Dr Sushma S J, Associate Professor, Department of ECE highlighted the overview of this SDP. The Skill Development Program (SDP) on “**Problem Solving Techniques using C++, Data Structures and Algorithms**” plays a vital role in equipping participants with essential programming skills and logical reasoning abilities. C++ is a powerful, high-performance language widely used in competitive programming, system development, and software engineering. This SDP emphasizes mastering C++ fundamentals while integrating key data structure concepts such as arrays, linked lists, stacks, queues, trees, and graphs. Students will learn efficient algorithm design techniques, including sorting, searching, and dynamic programming, enabling them to tackle complex computational problems effectively. By focusing on both theoretical understanding and hands-on coding practice, the SDP prepares learners to write optimized code that improves performance and resource management.

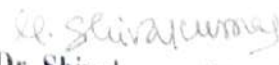
Furthermore, this SDP is particularly beneficial for students aspiring to excel in technical interviews, coding competitions, and academic research. Strong problem-solving skills are a crucial asset in the tech industry, where companies prioritize candidates who can devise innovative and efficient solutions. By mastering these skills, students enhance their career prospects in diverse fields such as software development, data science, and system design, making this program an invaluable stepping stone toward technical excellence.

The event was successfully coordinated by Forum Coordinators Mrs Nalina H D, Assistant Professor, Department of ECE, and Mrs Spoorthi Y, Assistant Professor, Department of ECE, GSSSIETW, Mysuru, ensuring smooth execution and impactful learning experience.

Smt. Anupama B. Pandit, Secretary, GSSS(R), Sri. R. K. Bharath, Board Member & CEO, GSSS(R), and Dr Shivakumar M, Principal, GSSSIETW, Mysuru commended best wishes for successfully conducting the event and also appreciated the enthusiastic participation of the students.

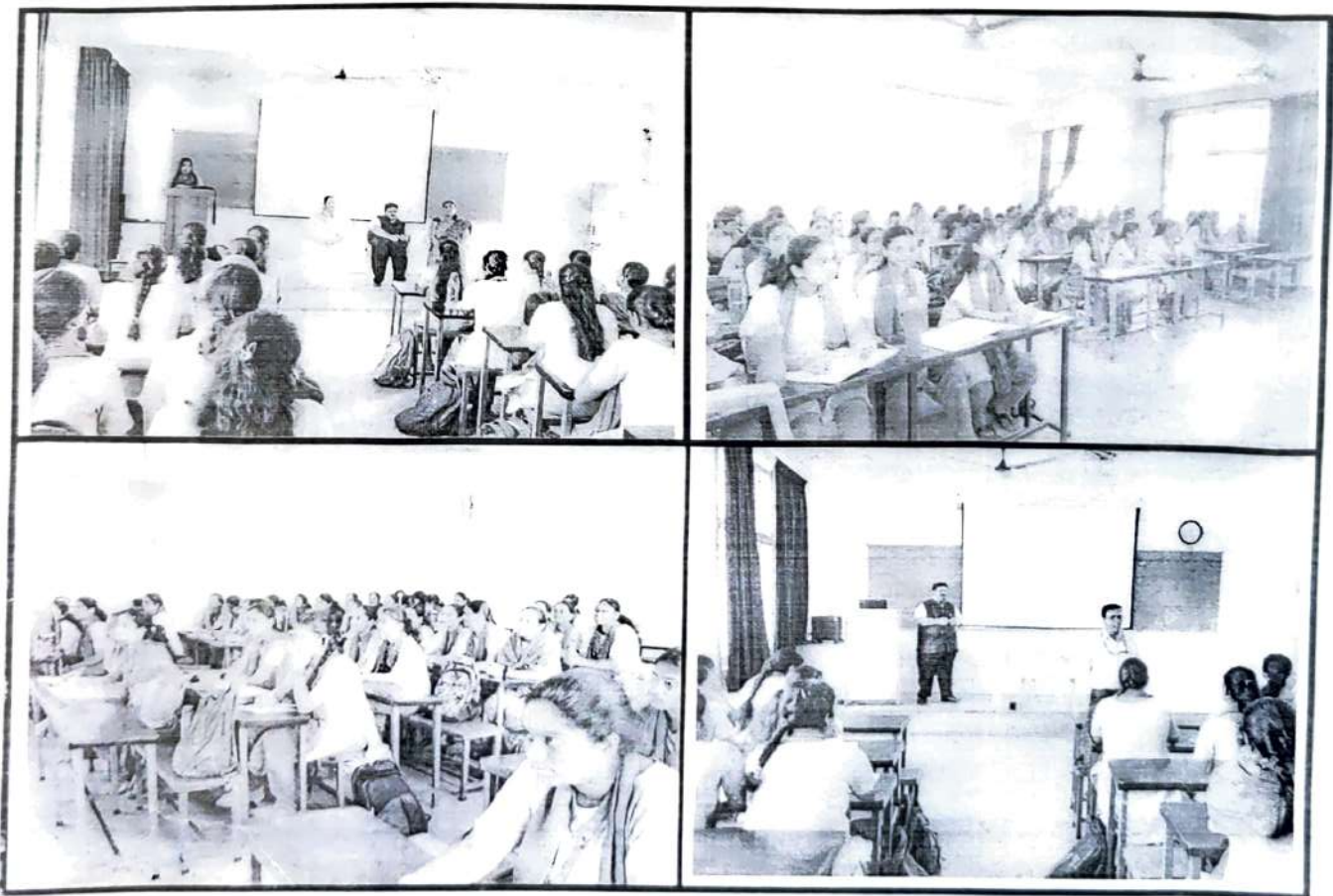

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Dr. Shivakumar M
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Press Note

Skill Development Program on “Data Structure and Algorithms using C & C++” for 4th Semester Students held at GSSSIETW, Mysore.



Glimpses of Skill Development Program on “Data Structure and Algorithms using C & C++”.

Department of Electronics and Communication Engineering, GSSS Institute of Engineering and Technology for Women, Mysuru, permanently affiliated to VTU Belagavi and Accredited by NBA, New Delhi, under AECES organized a Skill Development Program on “**Data Structure and Algorithms using C & C++**” from 26th March to 4th April 2025 for 4th semester students at GSSSIETW, Mysore

The session commenced with an introduction of resource person, Dr Ramaprasad H C, Head-Academics & Operations, 10 Seconds, Bengaluru followed with welcome address. Dr. Rajendra R. Patil, Professor & Head, Department of ECE, Dr Padmashree S, Professor, Department of ECE, Dr Sushma S J, Associate Professor, Department of ECE highlighted the overview of this SDP. The Skill Development Program (SDP) on "**Data Structure and Algorithms using C & C++**" plays a vital role in equipping participants with essential programming skills and logical reasoning abilities. C++ is a powerful, high-performance language widely used in competitive programming, system development, and software engineering. This SDP emphasizes mastering C++ fundamentals while integrating key data structure concepts such as arrays, linked lists, stacks, queues, trees, and graphs. Students will learn efficient algorithm design techniques, including sorting, searching, and dynamic programming, enabling them to tackle complex computational problems effectively. By focusing on both theoretical understanding and hands-on coding practice, the SDP prepares learners to write optimized code that improves performance and resource management.


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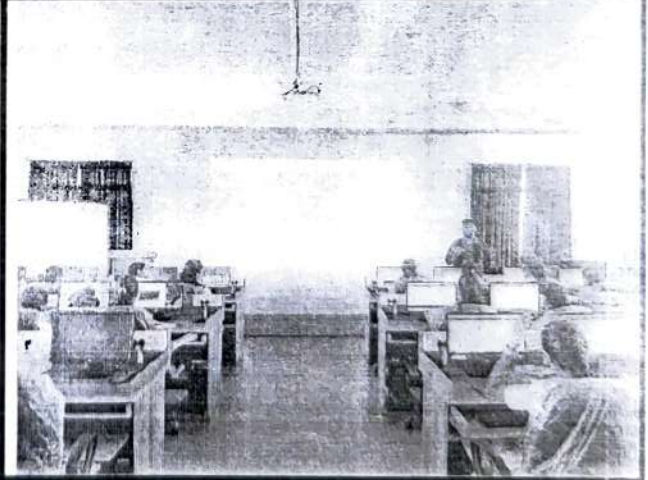
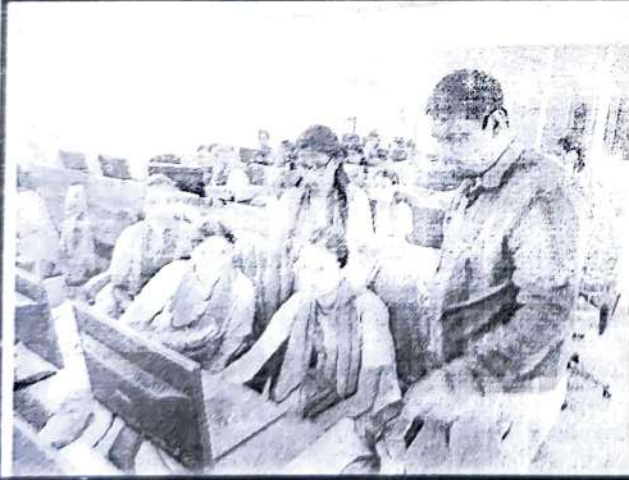


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION

Press Note

Skill Development Program on “Mobile App Development for IoT Applications” for 4th Semester Students held at GSSSIETW, Mysore.



Glimpses of Skill Development Program on “Mobile App Development for IoT Applications”.

Department of Electronics and Communication Engineering, GSSS Institute of Engineering and Technology for Women, Mysuru, permanently affiliated to VTU Belagavi and Accredited by NBA, New Delhi, under AECES organized a Skill Development Program on "Mobile App & Development for IoT Applications" from 20th March to 29th March 2025 for 4th semester students at GSSSIETW, Mysore

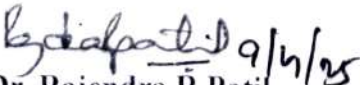
The session commenced with an introduction of resource person, **Panduranga N M, Director, Embiot Technologies Pvt Ltd, Research and Development, Bengaluru**, followed with welcome address by, Dr. Padmashree S, Professor, Department of ECE. The Skill Development Program (SDP) on "Mobile App Development for IoT Applications" plays a crucial role in equipping participants with the technical knowledge and practical skills needed to build smart, connected solutions for the modern world. As the Internet of Things (IoT) continues to transform industries through automation and real-time data exchange, the demand for mobile apps that can interface with IoT devices is growing rapidly. This SDP focuses on the integration of mobile application development with IoT technologies, enabling learners to create seamless user experiences and intelligent systems.

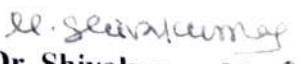
Participants will gain hands-on experience in developing mobile apps. They will learn how to connect apps with IoT devices using different communication protocols, and leverage cloud services for data storage, analytics, and remote device management. The program also covers essential topics including sensor data processing, real-time notifications for IoT applications. By combining mobile development skills with a solid understanding of IoT architecture, this SDP prepares students to design and implement end-to-end solutions that bridge the gap between hardware and user interface. The curriculum emphasizes both theoretical insights and practical implementation, empowering learners to tackle real-world challenges in smart home systems, wearable technology, industrial automation, and more.

Furthermore, this SDP is especially valuable for students aiming to build careers in emerging fields such as IoT development, mobile computing, and smart technology integration. With the tech industry increasingly adopting IoT-based innovations, having expertise in mobile app development for connected environments significantly enhances a candidate's employability. This program serves as a foundational step for those looking to innovate and lead in the era of smart and connected devices.

The event was successfully coordinated by Forum Coordinators Mrs. Nalina H D. Assistant Professor, Department of ECE, and Mrs. Spoorthi Y, Assistant Professor, Department of ECE, GSSSIETW, Mysuru, ensuring smooth execution and impactful learning experience.

Smt. Anupama B. Pandit, Secretary, GSSS(R), Sri. R. K. Bharath, Board Member & CEO, GSSS(R), and Dr Shivakumar M, Principal, GSSSIETW, Mysuru commended best wishes for successfully conducting the event and also appreciated the enthusiastic participation of the students.


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION

A one-day workshop on “IBM Skills Build Developer Initiative” held at GSSSIETW, Mysuru

PRESS NOTE



Glimpses of the one day workshop on “IBM Skills Build Developer Initiative”

Department of Electronics & Communication Engineering, GSSS Institute of Engineering & Technology for Women, Mysuru, organized a one day workshop on “**IBM Skills Build Developer Initiative**” for the III semester ECE students at M Govinda Rao Memorial Hall, GSSSIETW Campus on 31st Aug 2024 under the AECES (Association of Electronics and Communication Engineering Students) forum. **Ms. Bharathi Murthy**, Quality Consultant and Agile Coach, IBM along with **Ms Shrilakshmi Nair**, Skill Educator, Entrepreneur, Associate Manager, CSR and Skills, IBM were the resource persons for this workshop. **Dr. S Padmashree**, Professor, Dept. of ECE, GSSSIETW, Mysuru was present during the inaugural of the session.

The main objective of this workshop was to create awareness among the students about the various courses that are available under **IBM Skills Build Developer Initiative**. Ms Shrilakshmi gave an overview of these trainings and their importance in building one's skillset. The students were informed to upgrade themselves with the latest technology using these initiatives. These will ensure a better position in the job market. Later, Ms Bharathi Murthy gave a brief introduction about AI-enabled and rule-based chatbots. She guided them in creating their chatbots and visualizing their applications. The session was very informative to the students.

Smt. Vanaja B Pandit, Hon. Secretary, GSSS(R), Sri Bharath R K, Member & CEO GSSS(R), Smt. Anupama B Pandit, Board member and AO, GSSS(R) and Dr. Shivakumar M, Principal, GSSSIETW congratulated all the participants and the ECE department for the successful conduction of the event.


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