

Report for Guest Lecture on “Engineering Solutions Using Graphical Programming”

Overview

Guest Lecture on “Engineering Solutions Using Graphical Programming” was organized by the Department of Electronics and Communication Engineering on 13th July 2024 for the 6th semester students of ECE and 4th semester students of EEE at auditorium from 10.30AM to 12.15PM and the resource person for the program was:

Mr SUNIL KUMAR V, Managing Director, VI Solutions, Bangalore

Total of 111 students of 6th Semester ECE and 4th Semester EEE had attended the lecture. The welcome address and introduction of the chief guest was given by Ms Sahana / 6th Semester ECE student. Then **Dr Shrinivas L Gombi / Dean Academics** gave an introduction on the overview of the importance of the LabVIEW to the students. The Venue for the Add on Lecture was Auditorium.



Figure: Ms Sahana / 6th Sem ECE Welcoming our Dean Sir Dr Shrinivas L Gombi and the Chief Guest for the Guest Lecture Mr Sunil Kumar V / VI Solutions, Bangalore

In the lecture he started with motivating the students on the needs and importance of the core skill development before entering into the placements and how people enter into software field and learn a tool to operate. He was briefing how the industrial requirements and standards has increased their needs before recruiting the students to their companies. He was interacting with the students of how the core placements are very much necessary for the students in long term and people blindly adopt short term placement in software domain. As a basic needs now the companies are hiring candidates only with basic certifications and also strong with the basic knowledge in their domain and the project that the candidates have done. He was trying to explain the students the importance of mastering a tool before entering into core jobs. So he started explaining the importance of LabVIEW for Engineering applications.



Figure 2: Dr Shrinivas L Gombi, Deam Academics, briefing the importance of LabVIEW to the students and the importance of core placement for the students

After the motivation the resource person started presenting the advancements and developments in LabVIEW. With NI in collaboration with Emerson underscores the critical role

of LabVIEW in test and measurement. He started explaining the various projects that were handled for DRDO like several Turn Key Systems and System Integration Projects. He also briefed on Automated Test Equipment (ATE), Data Acquisition Systems, Electronic Manufacturing / Military Production Support and Wireless Communication with LabVIEW. He has briefed the details and the importance of the certification like CLAD (Certified LabVIEW Associate Developer), CLD (Certified LabVIEW Developer), CLA (Certified LabVIEW Architect). The resource person also gave the importance of the developments in the core industry and the change of era from IT Sector to CORE Field requirement. He also listed the companies that are utilizing LabVIEW for their domain and also the pay package for the students completing different level of certifications.



Figure 3: Mr Sunil Kumar V handling the session on Engineering Solutiong using Graphical Programming



Figure 4: ECE and EEE Students listening to the session

Overall, 111 students participated in the guest lecture. This talk has really motivated the students and given them the spark for them as the students interacted with the resource person. The students had better understanding on the presentation and felt some motivated to take up for their carrier development.

OUTCOME:

Out of the 111 students attended all got insights about the developments of LabVIEW happenings in the industry and also the model of CLAD international certification exam. They were able to understand how they need skills to face the industrial problems and planned to take LabVIEW for their carrier growth and many students had got ideas to do different projects and they will do projects and internships in near future.