**NAAC Data 5**

**DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING**

**5.1.3 Following Capacity development and skills enhancement activities are organised for improving students capability**

**Academic Year 2020-2021**

**Name of the Training:** BCT Module wise training on (AI-ML , Android, Arduino, C Programming, C++ & Java, Cyber Security, IOT, Matlab, PHP with MySql, Python, Shell Programming,Web Development,Labview Programming, ML Using Python, Circuit Theory & Network Analysis, Photovoltaic Systems, Image & Video Processing, Food Tech)

**Notice :** Dear Sir/Madam, As the internal trainings are starting from 17.08.2020 as proposed from respective departments .We would request to kindly share the training notification and training link to all the students of that particular registered module irrespective of stream and marking a CC to that particular HOD,coordinators ,mentors of the particular streams as requested by few departments.

Looking forward to your kind support.

**Report :** GNIT had organized a training from 17.08.2020. Distinguished Speakers delivered an elaborate talk and trained BCT Module wise training on (AI-ML , Android, Arduino, C Programming, C++ & Java, Cyber Security, IOT, Matlab, PHP with MySql, Python, Shell Programming,Web Development,Labview Programming, ML Using Python, Circuit Theory & Network Analysis, Photovoltaic Systems, Image & Video Processing, Food Tech).More than 45 students present in different types of training.At the end of the presentation, an elaborate Q&A Session was there and the distinguished speakers explained all the queries nicely.

**Name of the Webinar:** Upskilling / Reskilling - Strategy to Sustain Competitiveness in Digital Economy

**Date:**15th July, 2020

**Notice :** Sir/Madam, IE student chapter of ARIE is going to organize a webinar on "Upskilling / reskilling - strategy to sustain competitiveness in digital economy" on 15th July, 2020, 11 am onwards. You are requested to join the webinar,link is given below

<https://jisonline.myperfectice.com/b/dr--xh9-9qw>

**Report:** IE student Chapter@ AEIE @ GNIT had organized a Webinar on 15th July 2020 on "Upskilling / Reskilling - Strategy to Sustain Competitiveness in Digital Economy", 11.00 am onwards.

The Distinguished speakers were, Mr Anirban Majumder, Executive Director, Price WaterHouse Coopers and Mr. Devroop Bhattacharya, Associate Director, PriceWaterHouseCoopers.

They delivered an elaborative Talk on the basic needs of the industries with respect to the current scenario and the need for upskilling and reskilling for the freshers’ to make them suitable for sustaining in this competitive market.

Around 50 students from different departments of GNIT, all the faculty members and Technical Assistants of AEIE department were present in the webinar; the audience enjoyed the webinar a lot. At the end of the presentation, an elaborate Q&A Session was there and the distinguished speakers explained all the queries nicely.

**Attendance:**

|  |  |
| --- | --- |
| 1 | ARGHA MAJUMDER |
| 2 | CHANDRIKA BHATTACHARYYA |
| 3 | MD KASHIF ZEB |
| 4 | NABANITA SARDAR |
| 5 | RAHUL SARKAR |
| 6 | ROHIT BHATTACHARJEE |
| 7 | SAKYA MRIDHA |
| 8 | SAMPREET DEY |
| 9 | SAUGATA AICH |
| 10 | SAYANI DEY |
| 11 | SHILPITA HAZRA |
| 12 | SONALI DAS |
| 13 | SOUMYAJIT DUTTA |
| 14 | SOUVIK DAS |
| 15 | SWAGAT DAS |
| 16 | TAMASHA PAUL |
| 17 | MD SAYEED ANWAR |
| 18 | RAJA CHAKRABORTY |
| 19 | POULOMI GHOSH |
| 20 | MD. RAZIB AHMED |
| 21 | KUSHAL CHAKRABORTY |
| 22 | LIPIKA GHOSH |
| 23 | PEU ROY |
| 24 | RAHUL MANDAL |
| 25 | RANJAN SAMANTA |
| 26 | ROHAN DUTTA |
| 27 | SHUBHAM SARKAR |
| 28 | SNIGDHADEEP CHATTOPADHYAY |
| 29 | SUBHAJIT DALAL |
| 30 | SUCHETA SAHA |
| 31 | SUDIPTA DEY |
| 32 | SUDIPTA HALDAR |
| 33 | SUMON DAS |
| 34 | SWARNALI GHOSH |
| 35 | TANIYA PAUL |
| 36 | TORSHA GHOSH |
| 37 | UPASANA ROY CHOWDHURY |
| 38 | ANUPAMA GOSWAMI |
| 39 | RIMISHA BHATTACHARJEE |
| 40 | ANGSUMAN ROY |
| 41 | ANIRBAN SAHA |
| 42 | ATREYEE DAS |
| 43 | DEBANJAN CHANDRA |
| 44 | DEEPAK KUMAR BIND |
| 45 | DISHAM KAR |
| 46 | FARHAN SARWER |
| 47 | KINGSHUK RAUT |
| 48 | MADHUSUDAN BAR |
| 49 | MD TALIB NIYAZ |
| 50 | MD WASIM IQBAL |



**Name of the Series of Webinar:** Different era of Instrumentation Engineering

**Date:**31st august, 2020 to 4th September, 2020

**Notice:** Dear All, I am glad to inform you that a series of webinars will be organized throughout this current week (31st August to 4th september 2020) by all the faculty members of the Department of AEIE on " different era of Instrumentation Engineering".

\*\* mentors are requested to inform their mentee accordingly.

**Report :** A webinar on " application of Remote control and Telemetry in Instrumentation Engineering " was delivered to 7th semester students of Applied Electronics & Instrumentation Engineering department on 31st August,2020.The webinar was facilitated by Mrs. Bapita Roy, H.O.D,AEIE Dept, GNIT. 31 students took participation in this program.

A webinar on " SCADA and OCS " was delivered to 7th semester students of Applied Electronics & Instrumentation Engineering department on 1st September,2020.The webinar was facilitated by Dr. Adhish Kumar Chakrabarty, Assistant Professor, AEIE Dept, GNIT. 15 students took participation in this program.

A Webinar on “Elementary Concept of the Design Approach of Control System” was organized by the Department of Applied Electronics and Instrumentation Engineering, Guru Nanak Institute of Technology around 11:00 a.m. dated 2nd September, 2020.

The Webinar was facilitated by Ms. Santana Das Faculty member of AEIE

Department. Ms. Santana elaborately explained the areas like basic control system concept, the mathematical formulation of the control, the Analysis of the same, the design approach of the control system & the basics of Compensation needed towards better designing of the control system with Practical Examples.

Around 40 students of AEIE took part in this program. It was a very interactive & informative session.

Attendance :

A webinar has been conducted on 03.09.2020 from 10.00 am onwards on "Different Measurement Systems in Instrumentation '' by Dr. Paramita Banerjee in the virtual Platform. The students of 3rd Semester AEIE students have attended the webinar. The webinar was mainly on the basic measurement systems used in the different fields of Instrumentation. The various terminologies used in the field of measuring instruments have been discussed. The aim of the webinar was to give a very basic idea about the measurement methodologies and terminologies to the students so that they can understand the actual subject in their curriculum.

A webinar on "Circuit Theory-An Elemental Part of Instrumentation Engineering" was delivered to 3rd semester students of Applied Electronics & Instrumentation Engineering department on 3rd September,2020.The webinar was facilitated by Mrs. Suparna Maity, Assistant Professor, AEIE Dept, GNIT. Different aspect of circuit theory & networks were delivered in that webinar

**Attendance :**

|  |  |
| --- | --- |
| 1 | MOULI MANDAL |
| 2 | MRINMOY MAHATO |
| 3 | PUJA MUKHERJEE |
| 4 | SAGNIK MANDAL |
| 5 | SAMRAT MAJUMDER |
| 6 | SAMRAT SINHA |
| 7 | SATYENDRA PATEL |
| 8 | SAURAV MUKHERJEE |
| 9 | SAYAN DEBNATH |
| 10 | SHREYA MONDAL |
| 11 | SUBHA DEB |
| 12 | SUBHAJIT KR HOOI |
| 13 | SUBRIT DEY |
| 14 | SUDESHNA SIL |
| 15 | SWARNALI DUTTA |
| 16 | TATHAGATA CHATTERJEE |
| 17 | ASIF NADEEM |
| 18 | AVISEK BARDHAN |
| 19 | DEBASISH BASU |
| 20 | DEBDIPTA BHUNIA |
| 21 | DEBLINA GANGULY |
| 22 | DWAIPAYAN ACHARYA |
| 23 | JAYANT KUMAR SHARMA |
| 24 | JOYSHIKHAR SAHA |
| 25 | KUSHAL CHAKRABORTY |
| 26 | LIPIKA GHOSH |
| 27 | PEU ROY |
| 28 | RAHUL MANDAL |
| 29 | RANJAN SAMANTA |
| 30 | ROHAN DUTTA |
| 31 | SHUBHAM SARKAR |
| 32 | SNIGDHADEEP CHATTOPADHYAY |
| 33 | SUBHAJIT DALAL |
| 34 | SUCHETA SAHA |
| 35 | SUDIPTA DEY |
| 36 | SUDIPTA HALDAR |
| 37 | SUMON DAS |
| 38 | ARGHA MAJUMDER |
| 39 | CHANDRIKA BHATTACHARYYA |
| 40 | MD KASHIF ZEB |
| 41 | NABANITA SARDAR |
| 42 | RAHUL SARKAR |
| 43 | ROHIT BHATTACHARJEE |
| 44 | SAKYA MRIDHA |
| 45 | SAMPREET DEY |
| 46 | SAUGATA AICH |
| 47 | SAYANI DEY |
| 48 | SHILPITA HAZRA |
| 49 | SONALI DAS |
| 50 | SOUMYAJIT DUTTA |
| 51 | SOUVIK DAS |
| 52 | SWAGAT DAS |
| 53 | TAMASHA PAUL |
| 54 | MD SAYEED ANWAR |
| 55 | RAJA CHAKRABORTY |
| 56 | POULOMI GHOSH |
| 57 | MD. RAZIB AHMED |
| 58 | Sheikh Md. Mahamuduzzaman Ratul |
| 59 | ALPANA BARA |
| 60 | ARINDAM SARKAR |



**Name of the International Webinar:** Local Drug delivery to the Injured Cervical Spinal Cord using Engineered Hydrogen Preserves Diaphragm Function

**Date:**27th, August, 2020

**Notice :** Dear all, We are happy to share that IE student chapter of Department of Applied Electronics & Instrumentation Engineering is going to organize an international webinar on "Local Drug delivery to the Injured Cervical Spinal Cord using Engineered Hydrogel Preserves Diaphragm Function" on 27th,August,2020 from 5 pm onwards.The registration link for the program given below.We will appreciate your participation.

Registration Link:

<https://forms.gle/uxyS1SzhtYqkP5p37>

Link for the Webinar:

<https://jisonline.myperfectice.com/b/sup-j6v-yz6>

\*\* The banner of the program is attached herewith.

\*\*\*e- certificate will be provided to the registered participants.

**Report**: Applied Electronics & Instrumentation Engineering in association with IE Students Chapter organized an International Webinar on "Local Drug delivery to the Injured Cervical Spinal Cord using Engineered Hydrogel Preserves Diaphragm Function" on 27th, August, 2020 from 5pm onwards.

The Webinar was facilitated by Dr. Biswarup Ghosh, Senior Research Instructor and Faculty at Thomas Jefferson University, Philadelphia, US. Mrs. Bapita Roy, HOD inaugurated the session and delivered a welcome address to all the participants as well as the speaker. The Webinar was attended by more than 60 participants including faculty, JTA from various departments of GNIT and students of EIE department.

Dr. Biswarup Ghosh not only enlightened different areas of biomedical application, he also encouraged students for entrepreneurship. Participants & students actively interacted with the speaker.



**Name of the Webinar:** Sonomyography: Restoring Human Movement Through Sound

**Date:**12th September, 2020

**Notice :** *Dear Sir/Madam,* With the objective of cascading public awareness , AEIE Department,GNIT is organizing a webinar on " Sonomyography: Restoring Human Movement Through Sound " - 12th September, 2020 from 4.00 p.m. onwards.

Invited Speaker:

*Dr.Biswarup Mukherjee,*Assistant Professor,Center for Biomedical Engineering,

IIT Delhi,Department of Biomedical Engineering,

Registration Link: <https://forms.gle/Mo4ZMTd4Vndcj7nX7>

In view of the importance of the subject, we are pleased to invite you to attend this webinar. For Joining the webinar, please click the following link:

<https://jisonline.myperfectice.com/b/san-jkf-7uj>

**Report:** A Webinar entitled Sonomyography: Restoring Human Movement Through Sound was organized by IE Students Chapter of Department of Applied Electronics and Instrumentation Engineering @ GNIT at 4:00 p.m. 12th September, 2020.The Webinar was facilitated by Dr. Biswarup Mukherjee, Assistant Professor, and Center for Biomedical Engineering, IIT Delhi, Department of Biomedical Engineering, and AIIMS Delhi & also esteemedAlumni of AEIE Department. Dr. Biswarup Mukherjee was a Research Assistant Professor at the Department of Bioengineering, George Mason University and was also a core faculty at the Center for Adaptive Systems of Brain-Body Interactions. He was a postdoctoral research fellow at Harvard Medical School and Massachusetts General Hospital (MGH), Boston working on surgical simulation systems. He obtained his PhD in 2015 from IIT, Madras, has been the recipient of several awards including the best doctoral thesis award from IIT Madras and Innovation Discovery Award at MGH. Dr. Biswarup elaborately explained the areas like- The development of sensors and instrumentation to augment function in individuals with motor disabilities, Sensorimotor System, Myoelectric Control, Intuitive control, Sensors array, use of Ultrasound for measurement of muscle deformation. As alumni of Applied Electronics & Instrumentation Engineering Dr. Biswarup shared his Journey from Guru Nanak Institute of Technology to IIT Madras as a successful professional that encouraged his juniors a lot. Around 50 students of the Applied Electronics & Instrumentation Engineering Department, faculty members and all technical staff took part in this program. Dr. Biswarup has given appropriate and informative guidance to the engineering students regarding the Research opportunities in the field of prosthetic devices in India and Abroad. Considering the current worldwide scenario, where everyone is bound to stay at home due to the COVID-19 pandemic, we are trying to continue our teaching learning process. This International webinar was conducted online with the MyPerfectice-Whiteboard. The feedback from students was taken and they have shown a great interest & want more number of similar sessions.

**Attendance :**

|  |  |
| --- | --- |
| 1 | SAMRAT SINHA |
| 2 | SATYENDRA PATEL |
| 3 | SAURAV MUKHERJEE |
| 4 | SAYAN DEBNATH |
| 5 | SHREYA MONDAL |
| 6 | SUBHA DEB |
| 7 | SUBHAJIT KR HOOI |
| 8 | SUBRIT DEY |
| 9 | SUDESHNA SIL |
| 10 | SWARNALI DUTTA |
| 11 | TATHAGATA CHATTERJEE |
| 12 | RAHUL SARKAR |
| 13 | ROHIT BHATTACHARJEE |
| 14 | SAKYA MRIDHA |
| 15 | SAMPREET DEY |
| 16 | SAUGATA AICH |
| 17 | SAYANI DEY |
| 18 | PEU ROY |
| 19 | RAHUL MANDAL |
| 20 | RANJAN SAMANTA |
| 21 | ROHAN DUTTA |
| 22 | SHUBHAM SARKAR |
| 23 | SNIGDHADEEP CHATTOPADHYAY |
| 24 | SUBHAJIT DALAL |
| 25 | SUCHETA SAHA |
| 26 | SUDIPTA DEY |
| 27 | SUDIPTA HALDAR |
| 28 | SUMON DAS |
| 29 | SWARNALI GHOSH |
| 30 | TANIYA PAUL |
| 31 | TORSHA GHOSH |
| 32 | UPASAN ROY CHOWDHURY |
| 33 | ANUPAMA GOSWAMI |
| 34 | RIMISHA BHATTACHARJEE |
| 35 | ARGHA MAJUMDER |
| 36 | CHANDRIKA BHATTACHARYYA |
| 37 | MD KASHIF ZEB |
| 38 | NABANITA SARDAR |
| 39 | ABHISHEK SHIL |
| 40 | AISHIK DUTTA |
| 41 | ALPANA BARA |
| 42 | ARINDAM SARKAR |
| 43 | ASIF NADEEM |
| 44 | AVISEK BARDHAN |
| 45 | DEBASISH BASU |
| 46 | DEBDIPTA BHUNIA |
| 47 | DEBLINA GANGULY |
| 48 | DWAIPAYAN ACHARYA |
| 49 | JAYANT KUMAR SHARMA |
| 50 | JOYSHIKHAR SAHA |



**Name of the Webinar:** Embedded Systems and Robotics

**Date:**25th of November, 2020

**Notice :** Dear All, *IE Student Chapter @ Applied Electronics & Instrumentation Engineering* is going to organize a Webinar entitled *“Embedded Systems and Robotics"* on 25th of November, 2020 , 4 p.m. onwards.

Invited Speaker:

Mr. Rahul Sharma

Senior Consultant & Developer

Ardent Computech Pvt. Ltd.

Date and Time - Wednesday, Nov 25, 2020 from 4:00 PM - 6:00 PM (IST) Platform - gotomeeting app

Program Coordinator: Ms Santana Das, 9674985930

The Event Flyer is attached for your kind perusal.

**Report:** A Webinar on “Embedded Systems and Robotics” was organized by IE Students Chapter of Department of Applied Electronics and Instrumentation Engineering, Guru Nanak Institute of Technology around 4:00 p.m. dated 25th November, 2020.

The Webinar was facilitated by Mr. Rahul Sharma, Senior Consultant & Developer, Ardent Computech Pvt. Ltd.

Mr. Sharma elaborately explained regarding basics of Embedded Systems nowadays enormously used in the context of the IoT which is a network of things that are connected to the internet, including IoT devices and IoT-enabled physical assets ranging from consumer devices to sensor-equipped connected technology & Robots are able to handle anticipated situations, while most IoT applications can only handle well-defined tasks.

Mr. Sharma also explained that both IoT devices and robots depend on sensors to understand the environment around them, quickly process data and determine how to respond.

He has also explained that the IoT and robotics communities are coming together to create the Internet of Robotic Things (IoRT). The IoRT is a concept in which intelligent devices can monitor the events happening around them, fuse their sensor data, make use of local and distributed intelligence to decide on courses of action and then behave to manipulate or control objects in the physical world.

Around 40 students of the Applied Electronics & Instrumentation Engineering Department & other Departments of GNIT, Departmental faculty members and all technical staff members took participation in this program.

Considering the current worldwide scenario, where everyone is bound to stay at home due to the COVID-19 pandemic, we are trying to continue our teaching learning process. This webinar was conducted online in the GotoWebinar platform.

The feedback from students was taken and they have shown a great interest & want more numbers of this kind of webinar session.

The Session ended with a vote of thanks.

**Attendance :**

|  |  |
| --- | --- |
| 1 | JOYSHIKHAR SAHA |
| 2 | KUSHAL CHAKRABORTY |
| 3 | LIPIKA GHOSH |
| 4 | ANGSUMAN ROY |
| 5 | ANIRBAN SAHA |
| 6 | ATREYEE DAS |
| 7 | DEBANJAN CHANDRA |
| 8 | DEEPAK KUMAR BIND |
| 9 | DISHAM KAR |
| 10 | FARHAN SARWER |
| 11 | KINGSHUK RAUT |
| 12 | MADHUSUDAN BAR |
| 13 | MD TALIB NIYAZ |
| 14 | MD WASIM IQBAL |
| 15 | MOULI MANDAL |
| 16 | MRINMOY MAHATO |
| 17 | PUJA MUKHERJEE |
| 18 | SAGNIK MANDAL |
| 19 | SAMRAT MAJUMDER |
| 20 | SHILPITA HAZRA |
| 21 | SONALI DAS |
| 22 | SOUMYAJIT DUTTA |
| 23 | SOUVIK DAS |
| 24 | SWAGAT DAS |
| 25 | TAMASHA PAUL |
| 26 | MD SAYEED ANWAR |
| 27 | RAJA CHAKRABORTY |
| 28 | POULOMI GHOSH |
| 29 | MD. RAZIB AHMED |
| 30 | ABHISHEK SHIL |
| 31 | AISHIK DUTTA |
| 32 | ALPANA BARA |
| 33 | ARINDAM SARKAR |
| 34 | ASIF NADEEM |
| 35 | AVISEK BARDHAN |
| 36 | DEBASISH BASU |
| 37 | DEBDIPTA BHUNIA |
| 38 | DEBLINA GANGULY |
| 39 | DWAIPAYAN ACHARYA |
| 40 | JAYANT KUMAR SHARMA |



**Name of the Webinar:** Road to Better Employability

**Date:**12th December, 2020

**Notice:** Dear All, On behalf of the department of AEIE , I would like to invite you to join the webinar on " Road to Better Employability " on tomorrow 12th December 2020. The speaker of tomorrow's webinar is Dr.Adhish Kr Chakrabarty, Assistant Professor,(Register in Charge),AEIE,GNIT,

The link is given below:

<https://jisonline.myperfectice.com/b/dr--xpf-cru>

**N.B.:** Mentors are requested to share the above mentioned information and the following facts to their Mentee:

Topics to be covered:

1. Key factors affecting employability

2. Art of CV writing

3. The X-factors

Duration: 1 hour (from 11:15 AM to 12:15 PM).

Students must mention their department and year.

No one will be allowed to join after 11.15 AM

It is mandatory for all students.Mentors please take care of it

**Report:** A webinar was conducted by the undersigned on 12.12.2020 on " Road to Better Employability" for the students of AEIE. The key topics of the webinar were:

1. Key factors affecting employability

2. Art of CV writing

3. The X-factors

The webinar was conducted from 11:15 AM to 12:15 PM on Whiteboard by Myperfectice.

Total 23 students attended the webinar.

**Attendance :**

|  |  |
| --- | --- |
| 1 | ABHISHEK SHIL |
| 2 | AISHIK DUTTA |
| 3 | ALPANA BARA |
| 4 | ARINDAM SARKAR |
| 5 | ASIF NADEEM |
| 6 | AVISEK BARDHAN |
| 7 | DEBASISH BASU |
| 8 | DEBDIPTA BHUNIA |
| 9 | DEBLINA GANGULY |
| 10 | DWAIPAYAN ACHARYA |
| 11 | JAYANT KUMAR SHARMA |
| 12 | JOYSHIKHAR SAHA |
| 13 | KUSHAL CHAKRABORTY |
| 14 | LIPIKA GHOSH |
| 15 | ANGSUMAN ROY |
| 16 | ANIRBAN SAHA |
| 17 | ATREYEE DAS |
| 18 | DEBANJAN CHANDRA |
| 19 | DEEPAK KUMAR BIND |
| 20 | DISHAM KAR |
| 21 | FARHAN SARWER |
| 22 | KINGSHUK RAUT |
| 23 | MADHUSUDAN BAR |

