

# ASANSOL ENGINEERING COLLEGE

AICTE Approved; MAKAUT Affiliated; UGC (2f) Recognised  
Kanyapur, Vivekananda Sarani, Asansol  
Pashchim Bardhaman, WB, PIN - 713 305

Date: 10.11.2020

## Report on Value Added Course

**Training Topic** : **Fundamentals of PSPICE**  
**Training Date** : **02.11.2020 - 06.11.2020**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **13**  
**Year / Semester** : **2nd year/3rd Sem**  
**Mode of Training** : **Online**  
**Stream** : **Applied Electronics & Instrumentation Engineering**

**Learning Outcome** :

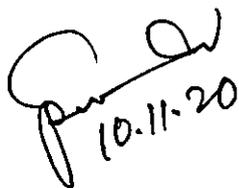
1. To develop an understanding of the fundamental laws and elements of electrical circuits.
2. To learn the energy properties of electric elements and the techniques to measure voltage and current.
3. To develop the ability to apply circuit analysis to DC and AC circuits

**Trainer(s)** :

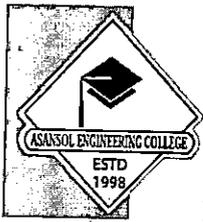
Mr. Dibyendu Chakraborty, I & C Engineer, Crescent Power Ltd.

**Attendance Percentage** : **94 %**

**Pass Percentage** : **91 %**

  
10.11.20

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**VAC Coordinator**  
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Date: 15.06.2021

## Report on Value Added Course

**Training Topic** : *Virtual Lab on Basic Electronics and Analog communication using LabVIEW*

**Training Date** : *07.06.2021 - 11.06.2021*

**Type of Training (s)** : *Value Added Course*

**Duration (Days / Hrs.)** : *5 Days (30 Hrs.)*

**No of Participants** : *22*

**Year / Semester** : *3rd year/6th Sem*

**Mode of Training** : *Online*

**Stream** : *Applied Electronics & Instrumentation Engineering*

**Learning Outcome** :

- 1. Students can choose the experiment from the buttons*
- 2. Username and password for authentication is requested from the user when the user clicks to the experiment link.*

**Trainer(s)** :

*Mr. Sankar Paul, Head, Academy of Industrial Automation & Technology Kolkata, West Bengal, India*

**Attendance Percentage** : *90 %*

**Pass Percentage** : *97 %*

  
*15.06.21*

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Date: 24.11.2020

## Report on Value Added Course

**Training Topic** : *Arduino with Raspberry Pi*  
**Training Date** : *16.11.2020 - 20.11.2020*  
**Type of Training (s)** : *Value Added Course*  
**Duration (Days / Hrs.)** : *5 Days (30 Hrs.)*  
**No of Participants** : *13*  
**Year / Semester** : *4th Year/7th Sem*  
**Mode of Training** : *Online*  
**Stream** : *Applied Electronics & Instrumentation Engineering*

**Learning Outcome** :

- 1. Able to build awesome projects Arduino is great for programming*
- 2. learn electronics easily*

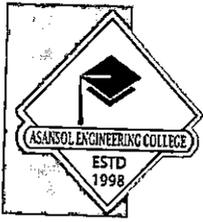
**Trainer(s)** : *Kaushik Sarkar, AP, ECE Dept, Narula Institute of Technology, Agarpara, Kolkata*

**Attendance Percentage** : *91 %*

**Pass Percentage** : *91 %*

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*24.11.20*

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Date: 31.08.2020

## Report on Value Added Course

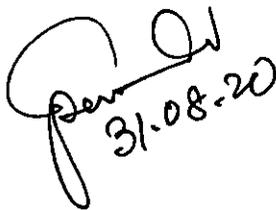
**Training Topic** : Primavera  
**Training Date** : 24.08.2020 - 28.08.2020  
**Type of Training (s)** : Value Added Course  
**Duration (Days / Hrs.)** : 5 Days (30 Hrs.)  
**No of Participants** : 38  
**Year / Semester** : 3rd/ 5th sem  
**Mode of Training** : Online  
**Stream** : Civil Engineering

**Learning Outcome** :

1. Ability to create and manage project enterprise structure within Primavera P6 database. Create project work breakdown structure.
2. Develop resource loaded or simple project schedule.

**Trainer(s)** :  
Mrs. Sweta Sinha Chowdhury (Co-founder, Amitey Computer Academy)

**Attendance Percentage** : 80 %  
**Pass Percentage** : 93 %

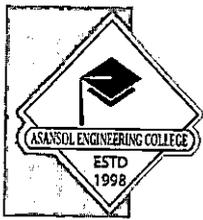
  
31.08.20

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Date: 14.09.2020

## Report on Value Added Course

**Training Topic** : Revit Architecture



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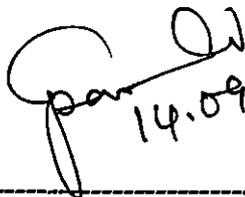
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**Training Date** : 7.09.2020 - 11.09.2020  
**Type of Training (s)** : Value Added Course  
**Duration (Days / Hrs.)** : 5 Days (30 Hrs.)  
**No of Participants** : 53  
**Year / Semester** : 2nd/ 3rd sem  
**Mode of Training** : Online  
**Stream** : Civil Engineering

**Learning Outcome** :

1. Student will learn to develop higher-quality, more accurate architectural designs; use tools specifically built to support Building Information Modeling workflows.
2. Studentstts will learn to capture and analyze concepts, and maintain your vision through design, documentation, and construction.
3. Students will learn to do building element energy analysis; use the API to perform pipe/duct calculations; perform static analysis from the cloud; create/manage the structural analytical model; automatically update your model with analysis results; and improve BIM-based building performance workflows.

**Trainer(s)** : Mrs. Sweta Sinha Chowdhury  
(Co-founder, Amitey Computer Academy)  
**Attendance Percentage** : 92 %  
**Pass Percentage** : 96 %

  
14.09.20

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Date: 27.04.2021

## Report on Value Added Course

**Training Topic** : **Fundamental and Technical Analysis**  
**Training Date** : **19.04.2021 - 23.04.2021**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** :  
**Year / Semester** : **1st/ 2nd sem**  
**Mode of Training** : **Offline**  
**Stream** : **Civil Engineering**

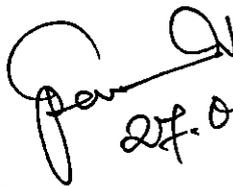
**Learning Outcome** :

1. Understand the vocabulary and grammar of a trading floor
2. Experience the interactions between traders, sales, clients, brokers
3. Realize in a personal and lively way what it requires to be a trader, a sales, a structurer

**Trainer(s)** :  
Mr. Sanjib Kumar Saha (Course Co-ordinator, Calcutta Wizard)

**Attendance Percentage** : **83 %**

**Pass Percentage** : **91 %**

  
27.04.21

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Date: 08.06.2021

## Report on Value Added Course

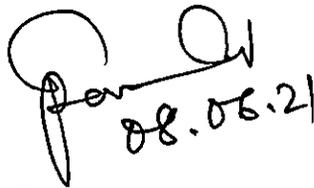
**Training Topic** : **Microsoft Project**  
**Training Date** : **31.05.2021 - 04.06.2021**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **24**  
**Year / Semester** : **4th/ 8th sem**  
**Mode of Training** : **Online**  
**Stream** : **Civil Engineering**

**Learning Outcome** :

1. The necessary confidence, experience and knowledge to train other stakeholders and professionals about using Microsoft Project
2. The adequate capability to design and plan projects using Microsoft Project
3. The knowledge of industry-standard best practices to apply during the process of managing a project

**Trainer(s)** :  
Mrs. Sweta Sinha Chowdhury (Co-founder, Amitey Computer Academy)

**Attendance Percentage** : **88 %**  
**Pass Percentage** : **96 %**

  
08.06.21

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Date: 07.07.2020

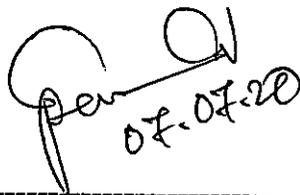
## Report on Value Added Course

**Training Topic** : **Circuit Design & Analysis using MULTISIM**  
**Training Date** : **29.06.2020 - 03.07.2020**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **45**  
**Year / Semester** : **2nd year/ 3rd Sem**  
**Mode of Training** : **Online**  
**Stream** : **Electronics and Communication Engineering**

**Learning Outcome** :

1. Calculate the major physical parameters in doped semiconductors and pn-junctions.
2. Analyze (calculate voltages and currents) simple diode circuits using different diode models.
3. Design different types of rectifier circuits and analyze them (find voltages, currents and sketch their time graphs)

**Trainer(s)** :  
Dr. Soumya Pandit  
**Attendance Percentage** : **89 %**  
**Pass Percentage** : **95 %**

  
07.07.20

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Date: 14.07.2020

## Report on Value Added Course

**Training Topic** : **Fundamentals of MATLAB**  
**Training Date** : **06.07.2020 - 10.07.2020**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **45**  
**Year / Semester** : **2nd year/ 3rd Sem**  
**Mode of Training** : **Online**  
**Stream** : **Electronics and Communication Engineering**

**Learning Outcome** :

1. Use MATLAB effectively to analyze and visualize data.
2. Apply numeric techniques and computer simulations to solve engineering-related problems.
3. Apply a top-down, modular, and systematic approach to design, write, test, and debug sequential MATLAB programs to achieve computational objectives.

**Trainer(s)** :  
Mr. Jaydeep Nath

**Attendance Percentage** : **80 %**

**Pass Percentage** : **91 %**

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14.07.20

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Date: 20.07.2020

## Report on Value Added Course

**Training Topic** : **Circuit Design & Analysis using MULTISIM**  
**Training Date** : **13.07.2020 - 17.07.2020**  
**Type of Training (s)** : **Value Added Course**

**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **44**

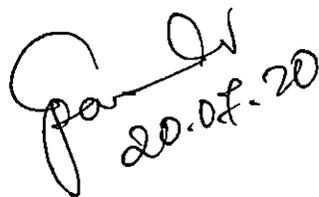
**Year / Semester** : **2nd year/ 3rd Sem**  
**Mode of Training** : **Online**  
**Stream** : **Electronics and Communication Engineering**

**Learning Outcome** :

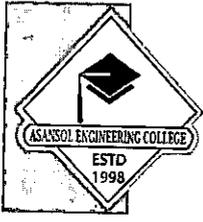
1. Calculate the major physical parameters in doped semiconductors and pn-junctions.
2. Analyze (calculate voltages and currents) simple diode circuits using different diode models.
3. Design different types of rectifier circuits and analyze them (find voltages, currents and sketch their time graphs)

**Trainer(s)** :  
Dr. Soumya Pandit

**Attendance Percentage** : **90 %**  
**Pass Percentage** : **96 %**

  
20.07.20

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Date: 07.07.2020

## Report on Value Added Course

**Training Topic** : *VLSI design with EDA Tools*  
**Training Date** : *29.06.2020 - 03.07.2020*  
**Type of Training (s)** : *Value Added Course*  
**Duration (Days / Hrs.)** : *5 Days (30 Hrs.)*  
**No of Participants** : *44*

**Year / Semester** : *3rd Year, 5th Sem*

**Mode of Training** : *Online*

**Stream** : *Electronics and Communication Engineering*

**Learning Outcome** :

- 1: Understand, characterize & analyze discrete-time signals and systems in time domain.*
- 2: Analyze discrete-time signals and LTI discrete-time systems in transform domain.*
- 3: Design and implement FIR and IIR digital filters using different methods.*

**Trainer(s)** :  
*Dr. Soumya Pandit*

**Attendance Percentage** : *93 %*

**Pass Percentage** : *92 %*

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*07.07.20*

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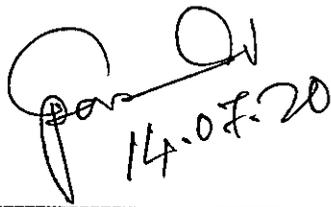
Date: 14.07.2020

## Report on Value Added Course

**Training Topic** : *Introduction to EM Simulation Tools (ANSYS HFSS)*  
**Training Date** : *06.07.2020 - 10.07.2020*  
**Type of Training (s)** : *Value Added Course*  
**Duration (Days / Hrs.)** : *5 Days (30 Hrs.)*  
**No of Participants** : *44*  
**Year / Semester** : *3rd Year, 5th Sem*  
**Mode of Training** : *Online*  
**Stream** : *Electronics and Communication Engineering*

**Learning Outcome** :  
*Ansys HFSS 3D electromagnetic simulation software for designing and simulating high-frequency electronic products such as antennas, PCBs, IC packages, etc.*

**Trainer(s)** :  
*Dr. Sushrut Das, IIT ISM Dhanbad*  
**Attendance Percentage** : *83 %*  
**Pass Percentage** : *91 %*

  
14.07.20

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Date: 20.07.2020

## Report on Value Added Course

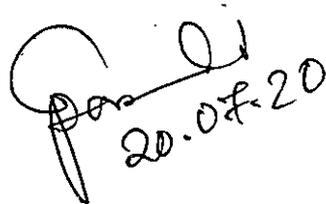
**Training Topic** : **VLSI design with EDA Tools**  
**Training Date** : **13.07.2020 - 17.07.2020**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **44**  
**Year / Semester** : **3rd Year, 5th Sem**  
**Mode of Training** : **Online**  
**Stream** : **Electronics and Communication Engineering**

**Learning Outcome** :

- 1: Understand, characterize & analyze discrete-time signals and systems in time domain.
- 2: Analyze discrete-time signals and LTI discrete-time systems in transform domain.
- 3: Design and implement FIR and IIR digital filters using different methods.

**Trainer(s)** :  
Dr. Soumya Pandit

**Attendance Percentage** : **94 %**  
**Pass Percentage** : **94 %**

  
20.07.20

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Date: 07.07.2020

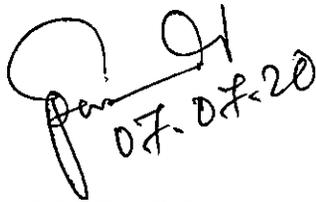
## Report on Value Added Course

**Training Topic** : **Neural Network and Fuzzy Control**  
**Training Date** : **29.06.2020 - 03.07.2020**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **45**  
**Year / Semester** : **4th sem, 7th Sem**  
**Mode of Training** : **Online**  
**Stream** : **Electronics and Communication Engineering**

**Learning Outcome** :

- 1: Comprehend the concepts of feed forward neural networks
- 2: Analyze the various feedback networks.
- 3: Understand the concept of fuzziness involved in various systems and fuzzy set theory.

**Trainer(s)** : **Dr. Rik Das**  
**Attendance Percentage** : **92 %**  
**Pass Percentage** : **95 %**

  
07.07.20

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Date: 14.07.2020

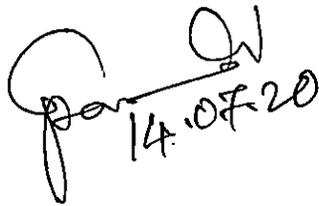
## Report on Value Added Course

**Training Topic** : **Radar & Microwave Engineering**  
**Training Date** : **06.07.2020 - 10.07.2020**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **45**  
**Year / Semester** : **4th sem, 7th Sem**  
**Mode of Training** : **Online**  
**Stream** : **Electronics and Communication Engineering**

**Learning Outcome** :

1. Explain different types of waveguides and their respective modes of propagation.
2. Analyze typical microwave networks using impedance, admittance, transmission and scattering matrix representations.
3. Design microwave matching networks using L section, single and double stub and quarter wave transformer.

**Trainer(s)** : **Dr. Sushrut Das, IIT ISM Dhanbad**  
**Attendance Percentage** : **89 %**  
**Pass Percentage** : **92 %**

  
14.07.20

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Date: 20.07.2020

## Report on Value Added Course

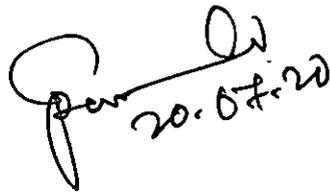
**Training Topic** : **Neural Network and Fuzzy Control**  
**Training Date** : **13.07.2020 - 17.07.2020**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **44**  
**Year / Semester** : **4th sem, 7th Sem**  
**Mode of Training** : **Online**  
**Stream** : **Electronics and Communication Engineering**

**Learning Outcome** :

- 1: Comprehend the concepts of feed forward neural networks
- 2: Analyze the various feedback networks.
- 3: Understand the concept of fuzziness involved in various systems and fuzzy set theory.

**Trainer(s)** :  
Dr. Rik Das

**Attendance Percentage** : **92 %**  
**Pass Percentage** : **94 %**

  
20.07.20

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Date: 05.01.2021

## Report on Value Added Course

**Training Topic** : *Electrical Instllations*  
**Training Date** : *28.12.2020 - 02.01.2021*  
**Type of Training (s)** : *Value Added Course*  
**Duration (Days / Hrs.)** : *5 Days (30 Hrs.)*  
**No of Participants** : *39*  
**Year / Semester** : *1st year, 1st sem*  
**Mode of Training** : *Online*  
**Stream** : *Electrical Engineering*

**Learning Outcome** :

- 1. Differentiate between the various types and sizes of cables used in residentialelectrical installations and be able to select the appropriate cable for a particularapplication.*
- 2.Perform basic practical competencies in electrical installation including strippingof conductors, bending of conduits, installation of trunking, wiring of plugs andoutlets.*

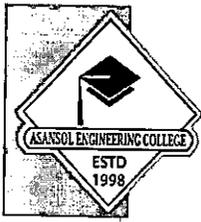
**Trainer(s)** :

*Dr. Chandan Kumar Chanda (Professor, Department of Electrical Engineering, Indian Institute of Engineering Science and Technology)*

**Attendance Percentage** : *83 %*  
**Pass Percentage** : *91 %*

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*05.01.21*

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Date: 05.01.2021

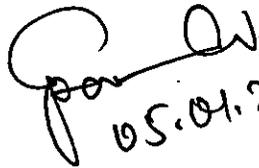
## Report on Value Added Course

**Training Topic** : **Electrical Installations**  
**Training Date** : **28.12.2020 - 02.01.2021**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **35**  
**Year / Semester** : **1st year, 1st sem**  
**Mode of Training** : **Online**  
**Stream** : **Electrical Engineering**

**Learning Outcome** :

1. Differentiate between the various types and sizes of cables used in residential electrical installations and be able to select the appropriate cable for a particular application.
2. Perform basic practical competencies in electrical installation including stripping of conductors, bending of conduits, installation of trunking, wiring of plugs and outlets.

**Trainer(s)** :  
Er. Shyamal Karmakar, Delta Electric, Asansol  
**Attendance Percentage** : **81 %**  
**Pass Percentage** : **95 %**

  
05.01.21

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**VAC Coordinator**  
**Asansol Engineering College**



# ASANSOL ENGINEERING COLLEGE

AICTE Approved; MAKAUT Affiliated; UGC (2f) Recognised  
Kanyapur, Vivekananda Sarani, Asansol  
Pashchim Bardhaman, WB, PIN - 713 305

Date: 31.08.2021

## Report on Value Added Course

**Training Topic** : **Advanced C programming**  
**Training Date** : **23.08.2021 - 27.08.2021**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** :  
**Year / Semester** : **2nd sem**  
**Mode of Training** : **Offline**  
**Stream** : **Electrical Engineering**

**Learning Outcome** :

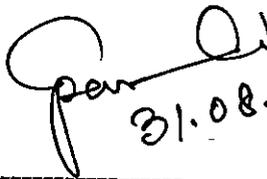
1. Develop a C program
2. Control the sequence of the program and give logical outputs
3. Implement strings in your C program

**Trainer(s)** :

*Er. Sourav Moitra, Founder and CEO at Agitechavids*

**Attendance Percentage** : **82 %**

**Pass Percentage** : **93 %**

  
31.08.21

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Kanyapur, Vivekananda Sarani, Asansol  
Pashchim Bardhaman, WB, PIN - 713 305

Date: 31.08.2021

## Report on Value Added Course

**Training Topic** : **Advanced C programming**  
**Training Date** : **23.08.2021 - 27.08.2021**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** :  
**Year / Semester** : **2nd sem**  
**Mode of Training** : **Offline**  
**Stream** : **Electrical Engineering**

**Learning Outcome** :

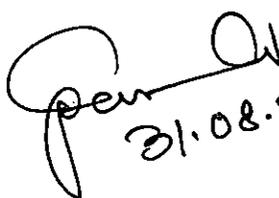
1. Develop a C program
2. Control the sequence of the program and give logical outputs
3. Implement strings in your C program

**Trainer(s)** :

*Er. Joydeep Nath, Senior Technical Consultant at Microcon*

**Attendance Percentage** : **80 %**

**Pass Percentage** : **92 %**

  
31.08.21

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Pashchim Bardhaman, WB, PIN - 713 305

Date: 06.01.2021

## Report on Value Added Course

**Training Topic** : **Autocad for Electrical Engineers**  
**Training Date** : **28.12.2020 - 02.01.2021**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **62**  
**Year / Semester** : **2nd year, 3rd sem**  
**Mode of Training** : **Online**  
**Stream** : **Electrical Engineering**

**Learning Outcome** :

The AutoCAD Electrical course will focus on the overview of AutoCAD Electrical with an emphasis on naming conventions, the use of symbols and their libraries, generation and insertion of PLC layout modules, and organisation of PLC database files.

**Trainer(s)** :

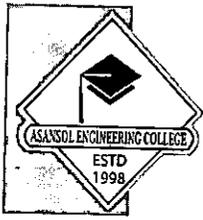
*Er. Arindam Chatterjee, Pinnacle Infoech, Bidhannagar, Durgapur*

**Attendance Percentage** : **80 %**

**Pass Percentage** : **94 %**

*Per*  
*06.01.21*

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Kanyapur, Vivekananda Sarani, Asansol  
Pashchim Bardhaman, WB, PIN - 713 305

Date: 06.01.2021

## Report on Value Added Course

**Training Topic** : **Autocad for Electrical Engineers**  
**Training Date** : **28.12.2020 - 02.01.2021**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **61**  
**Year / Semester** : **2nd year, 3rd sem**  
**Mode of Training** : **Online**  
**Stream** : **Electrical Engineering**

**Learning Outcome** :

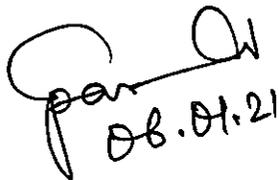
The AutoCAD Electrical course will focus on the overview of AutoCAD Electrical with an emphasis on naming conventions, the use of symbols and their libraries, generation and insertion of PLC layout modules, and organisation of PLC database files.

**Trainer(s)** :

Er. Jagannath Dalapati, Pinnacle Infoech, Bidhannagar, Durgapur

**Attendance Percentage** : **81 %**

**Pass Percentage** : **93 %**

  
06.01.21

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Kanyapur, Vivekananda Sarani, Asansol  
Pashchim Bardhaman, WB, PIN - 713 305

Date: 30.08.2021

## Report on Value Added Course

**Training Topic** : *IoT & Its application in Electrical Engineering*  
**Training Date** : *23.08.2021 - 27.08.2021*  
**Type of Training (s)** : *Value Added Course*  
**Duration (Days / Hrs.)** : *5 Days (30 Hrs.)*  
**No of Participants** : *62*  
**Year / Semester** : *2nd year--4th sem*  
**Mode of Training** : *Online*  
**Stream** : *Electrical Engineering*

**Learning Outcome** :

- 1. Understand the basics of IoT.*
- 2. Implement the state of the Architecture of an IoT.*
- 3. Understand design methodology and hardware platforms involved in IoT.*

**Trainer(s)** :

*Mr. Samarjit Roy, Asst. Prof. , D Y Patil University*

**Attendance Percentage** : *80 %*

**Pass Percentage** : *93 %*

*[Handwritten Signature]*  
*30.08.21*

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Kanyapur, Vivekananda Sarani, Asansol  
Pashchim Bardhaman, WB, PIN - 713 305

Date: 30.08.2021

## Report on Value Added Course

**Training Topic** : *IoT & Its application in Electrical Engineering*  
**Training Date** : *23.08.2021 - 27.08.2021*  
**Type of Training (s)** : *Value Added Course*  
**Duration (Days / Hrs.)** : *5 Days (30 Hrs.)*  
**No of Participants** : *61*  
**Year / Semester** : *2nd year--4th sem*  
**Mode of Training** : *Online*  
**Stream** : *Electrical Engineering*

**Learning Outcome** :

- 1. Understand the basics of IoT.*
- 2. Implement the state of the Architecture of an IoT.*
- 3. Understand design methodology and hardware platforms involved in IoT.*

**Trainer(s)** : *Mr. Tamal Mandal, Asst. Prof., Symbiosis International University*  
**Attendance Percentage** : *83 %*  
**Pass Percentage** : *96 %*

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*30.08.21*

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Kanyapur, Vivekananda Sarani, Asansol  
Pashchim Bardhaman, WB, PIN - 713 305

Date: 06.01.2021

## Report on Value Added Course

**Training Topic** : **MATLAB & Its application in Electrical Engineering**  
**Training Date** : **28.12.2020 - 02.01.2021**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **57**  
**Year / Semester** : **3rd / 5th semester**  
**Mode of Training** : **Online**  
**Stream** : **Electrical Engineering**

**Learning Outcome** :

*The application of MATLAB software in electrical engineering and its automation from different aspects. The process of teaching activities of electrical engineering and its automation involves knowledge of various subjects.*

**Trainer(s)** :

*Dr. G. R. Udupi, Professor, SGBIT, Belgaum*

**Attendance Percentage** : **81 %**

**Pass Percentage** : **97 %**

*[Handwritten Signature]*  
*06.01.21*

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Kanyapur, Vivekananda Sarani, Asansol  
Pashchim Bardhaman, WB, PIN - 713 305

Date: 06.01.2021

## Report on Value Added Course

**Training Topic** : **MATLAB & Its application in Electrical Engineering**  
**Training Date** : **28.12.2020 - 02.01.2021**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **59**  
**Year / Semester** : **3rd / 5th semester**  
**Mode of Training** : **Online**  
**Stream** : **Electrical Engineering**

**Learning Outcome** :  
*The application of MATLAB software in electrical engineering and its automation from different aspects. The process of teaching activities of electrical engineering and its automation involves knowledge of various subjects.*

**Trainer(s)** :  
*Md Irfan Khan  
Regional Manager ASEAN, Supreme and Co. Pvt. Ltd*

**Attendance Percentage** : **85 %**  
**Pass Percentage** : **93 %**

*[Handwritten Signature]*  
*06.01.21*

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Pashchim Bardhaman, WB, PIN - 713 305

Date: 30.08.2021

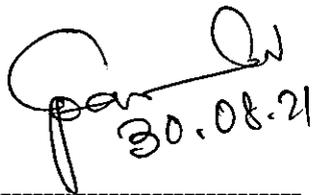
## Report on Value Added Course

**Training Topic** : PLC  
**Training Date** : 23.08.2021 - 27.08.2021  
**Type of Training (s)** : Value Added Course  
**Duration (Days / Hrs.)** : 5 Days (30 Hrs.)  
**No of Participants** : 57  
**Year / Semester** : 3rd / 6th semester  
**Mode of Training** : Online  
**Stream** : Electrical Engineering

**Learning Outcome** :

Students will be able to explain the basic concepts of a Programmable Logic Controller.  
Students will be able to state basic PLC terminology and their meanings. Students will be able to explain and apply the concept of electrical ladder logic,

**Trainer(s)** :  
Er. Partha Halder, Wissen Zentrum Technologies  
**Attendance Percentage** : 94 %  
**Pass Percentage** : 91 %

  
30.08.21

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Pashchim Bardhaman, WB, PIN - 713 305

Date: 30.08.2021

## Report on Value Added Course

**Training Topic** : **PLC**  
**Training Date** : **23.08.2021 - 27.08.2021**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **59**  
**Year / Semester** : **3rd / 6th semester**  
**Mode of Training** : **Online**  
**Stream** : **Electrical Engineering**

**Learning Outcome** :

Students will be able to explain the basic concepts of a Programmable Logic Controller.  
Students will be able to state basic PLC terminology and their meanings. Students will be able to explain and apply the concept of electrical ladder logic,

**Trainer(s)** :  
Er. Somnath Naskar, Wissen Zentrum Technologies

**Attendance Percentage** : **85 %**

**Pass Percentage** : **95 %**

  
30.08.21

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Kanyapur, Vivekananda Sarani, Asansol  
Pashchim Bardhaman, WB, PIN - 713 305

Date: 05.01.2021

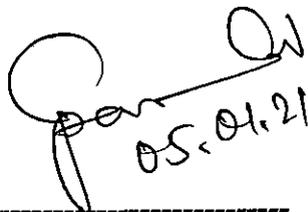
## Report on Value Added Course

**Training Topic** : SCADA  
**Training Date** : 28.12.2020 - 02.01.2021  
**Type of Training (s)** : Value Added Course  
**Duration (Days / Hrs.)** : 5 Days (30 Hrs.)  
**No of Participants** : 65  
**Year / Semester** : 4th Year/ 7th sem  
**Mode of Training** : Online  
**Stream** : Electrical Engineering

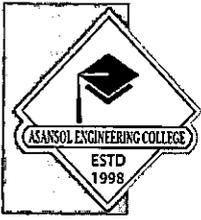
**Learning Outcome** :

- 1: Understand basics of SCADA systems and its various functions.
- 2: Acquire knowledge regarding SCADA System Components and Programmable Logic Controller (PLC).
- 3: Explore Various SCADA architectures, advantages and disadvantages.

**Trainer(s)** :  
Prof. Chetan Kudale, SGBIT, Belgaum  
**Attendance Percentage** : 90 %  
**Pass Percentage** : 93 %

  
05.01.21

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Kanyapur, Vivekananda Sarani, Asansol  
Pashchim Bardhaman, WB, PIN - 713 305

Date: 05.01.2021

## Report on Value Added Course

**Training Topic** : SCADA  
**Training Date** : 28.12.2020 - 02.01.2021  
**Type of Training (s)** : Value Added Course  
**Duration (Days / Hrs.)** : 5 Days (30 Hrs.)  
**No of Participants** : 65  
**Year / Semester** : 4th Year/ 7th sem  
**Mode of Training** : Online  
**Stream** : Electrical Engineering

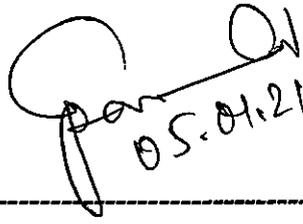
**Learning Outcome** :

- 1: Understand basics of SCADA systems and its various functions.
- 2: Acquire knowledge regarding SCADA System Components and Programmable Logic Controller (PLC).
- 3: Explore Various SCADA architectures, advantages and disadvantages.

**Trainer(s)** :  
Prof. Basavraj Hugar, SGBIT, Belgaum

**Attendance Percentage** : 94 %

**Pass Percentage** : 97 %

  
05.01.21

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# ASANSOL ENGINEERING COLLEGE

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Pashchim Bardhaman, WB, PIN - 713 305

Date: 31.08.2021

## Report on Value Added Course

**Training Topic** : **Smart Grid**  
**Training Date** : **23.08.2021 - 27.08.2021**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **65**  
**Year / Semester** : **4th Year/ 8th sem**  
**Mode of Training** : **Online**  
**Stream** : **Electrical Engineering**

**Learning Outcome** :

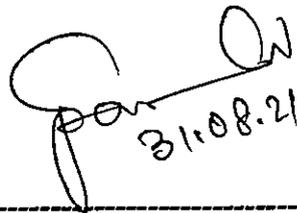
1. Develop concepts of smart grid technologies in hybrid electrical vehicles etc. 2. Understand smart substations, feeder automation, GIS etc. 3. Analyse micro grids and distributed generation systems.

**Trainer(s)** :

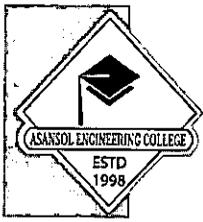
Er. Arnab Sarkar, is Associate Vice President, Consulting Ernst & Young LLP(EY)

**Attendance Percentage** : **85 %**

**Pass Percentage** : **95 %**

  
31.08.21

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Pashchim Bardhaman, WB, PIN - 713 305

Date: 31.08.2021

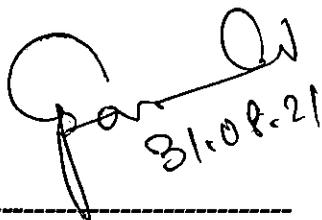
## Report on Value Added Course

**Training Topic** : **Smart Grid**  
**Training Date** : **23.08.2021 - 27.08.2021**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **65**  
**Year / Semester** : **4th Year/ 8th sem**  
**Mode of Training** : **Online**  
**Stream** : **Electrical Engineering**

**Learning Outcome** :

1. Develop concepts of smart grid technologies in hybrid electrical vehicles etc. 2. Understand smart substations, feeder automation, GIS etc. 3. Analyse micro grids and distributed generation systems.

**Trainer(s)** :  
Dr. Sandip Chadra, HOD, Narula Institute of Technology  
**Attendance Percentage** : **94 %**  
**Pass Percentage** : **97 %**

  
31.08.21

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**VAC Coordinator**  
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Pashchim Bardhaman, WB, PIN - 713 305

Date: 14/7/2020

## Report on Value Added Course

**Training Topic** : **Industrial Safety**  
**Training Date** : **06/07/2020 - 10/07/2020**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **62**  
**Year / Semester** : **2nd year/3rd Sem**  
**Mode of Training** : **Online**  
**Stream** : **Mechanical EnginElectrical Engineeringring**

**Learning Outcome** :

1. Knows about various measuring instruments and house wiring.-
2. He can explain the basic theorems used in Electrical circuits and the different components and function of electrical machines.
3. He can explain the fundamentals of semiconductor and applications.

**Trainer(s)** :  
J.N.Kumar, Industrial Safety Products Pvt Ltd., Kolkata  
**Attendance Percentage** : **80 %**  
**Pass Percentage** : **93 %**

*Per*  
*14.07.20*

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Kanyapur, Vivekananda Sarani, Asansol  
Pashchim Bardhaman, WB, PIN - 713 305

Date: 01-04-2021

## Report on Value Added Course

**Training Topic** : **Non-Destructive Testing**  
**Training Date** : **27/12/2020 - 31/12/2020**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **65**  
**Year / Semester** : **2nd -- 4th Sem**  
**Mode of Training** : **Online**  
**Stream** : **Mechanical EnginElectrical Engineeringring**

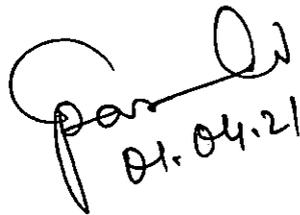
**Learning Outcome** :

- 1: Apply the various NDT techniques to identify the defects
- 2: Select the suitable NDT techniques for various defects
- 3: Identifying the nature and quantifying the defects
- 4: Understand the instruments and interpretation on techniques

**Trainer(s)** :  
Abhijit De, Sagnik NDE, Kolkata

**Attendance Percentage** : **84 %**

**Pass Percentage** : **96 %**

  
01.04.21

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Pashchim Bardhaman, WB, PIN - 713 305

Date: 14/7/2020

## Report on Value Added Course

**Training Topic** : *Working with Solid Works*  
**Training Date** : *06/07/2020 - 10/07/2020*  
**Type of Training (s)** : *Value Added Course*  
**Duration (Days / Hrs.)** : *5 Days (30 Hrs.)*  
**No of Participants** : *72*  
**Year / Semester** : *3rd Year / 5th Semester*  
**Mode of Training** : *Online*  
**Stream** : *Mechanical EngiElectrical Engineeringring*

**Learning Outcome** :

- 1. Demonstrate competency with multiple drawing and modification commands in SolidWorks.*
- 2. Create three-dimensional solid models.*
- 3. Create three-dimensional assemblies incorporating multiple solid models.*

**Trainer(s)** :  
*Debonil Aich, PELF Infotech , Kolkata*

**Attendance Percentage** : *86 %*

**Pass Percentage** : *96 %*

*[Signature]*  
*14.07.20*

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Kanyapur, Vivekananda Sarani, Asansol  
Pashchim Bardhaman, WB, PIN - 713 305

Date: 01-04-2021

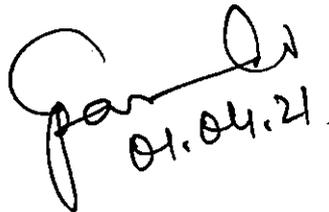
## Report on Value Added Course

**Training Topic** : **Electric Vehicle: Technology of the Present and Future**  
**Training Date** : **27/12/2020 - 31/12/2020**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **72**  
**Year / Semester** : **3rd year/6th Sem**  
**Mode of Training** : **Online**  
**Stream** : **Mechanical EnginElectrical Engineeringring**

**Learning Outcome** :

- 1: Understand the Electric components in detail.
- 2: Apply controls of different motors for drive system efficiency.
- 3: Understand various Energy storage devices including the Hybridization.

**Trainer(s)** : **Kajol Shikdar, Logicap Next gen Technology**  
**Attendance Percentage** : **81 %**  
**Pass Percentage** : **96 %**

  
01.04.21

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Kanyapur, Vivekananda Sarani, Asansol  
Pashchim Bardhaman, WB, PIN - 713 305

Date: 14/7/2020

## Report on Value Added Course

**Training Topic** : **Metal Additive Manufacturing**  
**Training Date** : **06/07/2020 - 10/07/2020**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **137**  
**Year / Semester** : **4th year/ 7th Sem**  
**Mode of Training** : **Online**  
**Stream** : **Mechanical EnginElectrical Engineeringing**

**Learning Outcome** :

1. Categorisation of AM processes
2. Introduction to metal based AM processes
3. Working principle of Direct energy deposition methods

**Trainer(s)** :

*Kazi Neel, Arbind Prasad, 4DSimulation, Adroitec information systems pvt ltd.*

**Attendance Percentage** : **85 %**

**Pass Percentage** : **92 %**

*[Handwritten Signature]*  
*14.07.20*

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Pashchim Bardhaman, WB, PIN - 713 305

Date: 01-04-2021

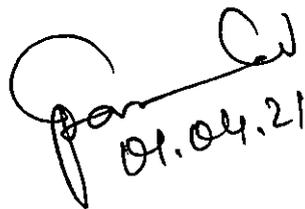
## Report on Value Added Course

**Training Topic** : **Project Management**  
**Training Date** : **27/12/2020 - 31/12/2020**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **137**  
**Year / Semester** : **4th Year /8th Sem**  
**Mode of Training** : **Online**  
**Stream** : **Mechanical EnginElectrical Engineeringring**

**Learning Outcome** :

1. Students will be able to describe a project life cycle, and can skillfully map each stage in the cycle
2. Students will identify the resources needed for each stage, including involved stakeholders, tools and supplementary materials
3. Students will describe the time needed to successfully complete a project, considering factors such as task dependencies and task lengths

**Trainer(s)** :  
Dhiman Chatterjee, Albatross Syetems, kolkata  
**Attendance Percentage** : **95 %**  
**Pass Percentage** : **95 %**

  
01.04.21

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Date: 04.05.21

## Report on Value Added Course

**Training Topic** : **Full Stack Development**  
**Training Date** : **12.04.21 - 17.04.21**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **218**  
**Year / Semester** : **4th Year/ 8th Sem**  
**Mode of Training** : **Online**  
**Stream** : **Computer Science and Engineering , Information Technology**

**Learning Outcome** :

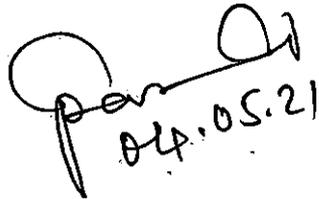
1. Structure and implement HTML/CSS.
2. Apply intermediate and advanced web development practices.
3. Implement basic JavaScript.

**Trainer(s)** :

Mr. Chandan Mukherjee (Totsol Technologies), Mr. Ayan Roy Mukherjee (Micropro)

**Attendance Percentage** : **88 %**

**Pass Percentage** : **97 %**

  
04.05.21

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Date: 10.03.21

## Report on Value Added Course

**Training Topic** : **Python Data Structure**  
**Training Date** : **02.03.21 - 06.03.21**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **81**  
**Year / Semester** : **2nd year / 3rd Sem**  
**Mode of Training** : **Online**  
**Stream** : **Computer Science and Engineering , Information Technology**

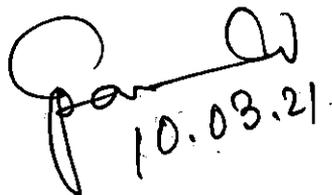
**Learning Outcome** :

1. Understand data structures and algorithms in computer science perspectives
2. Understand algorithms analysis procedure, space and time complexity of various algorithms
3. Understand how to use existing data structures and algorithms found in python's libraries

**Trainer(s)** :  
Mr. Joyjit Guha Biswas, (ARDENT Computech Pvt. Ltd)

**Attendance Percentage** : **94 %**

**Pass Percentage** : **92 %**

  
10.03.21

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Date: 10.03.21

## Report on Value Added Course

**Training Topic** : **Core Java**  
**Training Date** : **02.03.21 - 06.03.21**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **81**  
**Year / Semester** : **2nd year / 3rd Sem**  
**Mode of Training** : **Online**  
**Stream** : **Computer Science and Engineering , Information  
Technology**

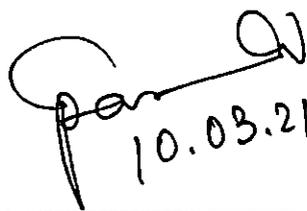
**Learning Outcome** :

1. Students should be able to: Use an integrated development environment to write, compile, run, and test simple object-oriented Java programs.

**Trainer(s)** :  
Mr. Ayan Roy Mukherjee, (Micropro)

**Attendance Percentage** : **85 %**

**Pass Percentage** : **92 %**

  
10.03.21

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Date: 10.03.21

## Report on Value Added Course

**Training Topic** : *Advanced C programming*  
**Training Date** : *02.03.21 - 06.03.21*  
**Type of Training (s)** : *Value Added Course*  
**Duration (Days / Hrs.)** : *5 Days (30 Hrs.)*  
**No of Participants** : *59*  
**Year / Semester** : *2nd year / 3rd Sem*  
**Mode of Training** : *Online*  
**Stream** : *Computer Science and Engineering , Information Technology*

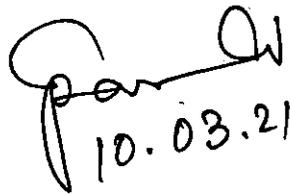
**Learning Outcome** :

- 1. Develop a C program*
- 2. Control the sequence of the program and give logical outputs*
- 3. Implement strings in your C program*

**Trainer(s)** :  
*Mr. Arnab Chakraborty, TOTSOL Technologies*

**Attendance Percentage** : *92 %*

**Pass Percentage** : *91 %*

  
*10.03.21*

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Date: 06.02.21

## Report on Value Added Course

**Training Topic** : **ML with Pyhon**  
**Training Date** : **27.01.21 - 02.02.21**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **40**  
**Year / Semester** : **3rd Year / 5th Sem**  
**Mode of Training** : **Online**  
**Stream** : **Computer Science and Engineering , Information  
Technology**

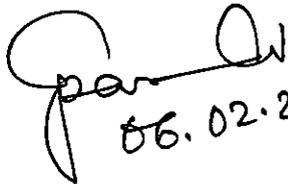
**Learning Outcome** :

1. Appreciate the breadth & depth of ML applications and use cases in real-world scenarios.
2. Import and wrangle data using Python libraries and divide them into training and test datasets
3. Data preprocessing techniques, Univariate and Multivariate analysis, Missing values and outlier treatment etc

**Trainer(s)** :  
Mr. Arnab Chakraborty (TOTSOL Technologies)

**Attendance Percentage** : **86 %**

**Pass Percentage** : **92 %**

  
06.02.21

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Date: 06.02.21

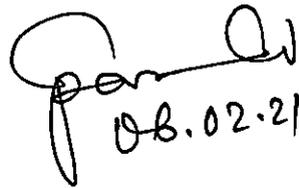
## Report on Value Added Course

**Training Topic** : **Advanced Java Programming**  
**Training Date** : **27.01.21 - 02.02.21**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **89**  
**Year / Semester** : **3rd Year / 5th Sem**  
**Mode of Training** : **Online**  
**Stream** : **Computer Science and Engineering , Information  
Technology**

**Learning Outcome** :

1. Design/Develop Program.
2. Develop appropriate data model and database scheme.
3. Create and test prototypes.

**Trainer(s)** :  
Mr. Ayan Roy Mukherjee, (Micropro)  
**Attendance Percentage** : **85 %**  
**Pass Percentage** : **97 %**

  
06.02.21

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Date: 06.02.21

## Report on Value Added Course

**Training Topic** : **Web Development using CSS JAVA Script**  
**Training Date** : **27.01.21 - 02.02.21**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **119**  
**Year / Semester** : **3rd Year / 5th Sem**  
**Mode of Training** : **Online**  
**Stream** : **Computer Science and Engineering , Information  
Technology**

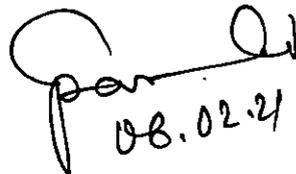
**Learning Outcome** :

1. Learn Ways to Deploy Website Online.
2. Create interactive websites using HTML, CSS & Javascript.
3. Create both simple and complex HTML and CSS forms.
4. Create a working contact form.

**Trainer(s)** :  
Mr.Chandan Mukherjee,(TOTSOL Technologies)

**Attendance Percentage** : **83 %**

**Pass Percentage** : **95 %**

  
06.02.21

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Date: 04.05.21

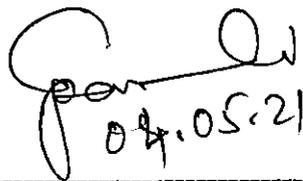
## Report on Value Added Course

**Training Topic** : *ML with Pyhon*  
**Training Date** : *19.04.21 - 30.04.21*  
**Type of Training (s)** : *Value Added Course*  
**Duration (Days / Hrs.)** : *5 Days (30 Hrs.)*  
**No of Participants** : *40*  
**Year / Semester** : *3rd Year / 5th Sem*  
**Mode of Training** : *Online*  
**Stream** : *Computer Science and Engineering , Information  
Technology*

**Learning Outcome** :

- 1. Appreciate the breadth & depth of ML applications and use cases in real-world scenarios.*
- 2. Import and wrangle data using Python libraries and divide them into training and test datasets*
- 3. Data preprocessing techniques, Univariate and Multivariate analysis, Missing values and outlier treatment etc*

**Trainer(s)** : *Mr. Arnab Chakraborty, (TOTSOL Technologies)*  
**Attendance Percentage** : *86 %*  
**Pass Percentage** : *95 %*

  
04.05.21

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Date: 22.06.21

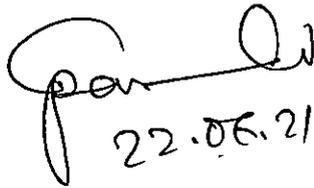
## Report on Value Added Course

**Training Topic** : *Advanced Java Programming*  
**Training Date** : *02.06.21 - 08.06.21*  
**Type of Training (s)** : *Value Added Course*  
**Duration (Days / Hrs.)** : *5 Days (30 Hrs.)*  
**No of Participants** : *89*  
**Year / Semester** : *3rd Year / 5th Sem*  
**Mode of Training** : *Online*  
**Stream** : *Computer Science and Engineering , Information  
Technology*

**Learning Outcome** :

1. Design/Develop Program.
2. Develop appropriate data model and database scheme.
3. Create and test prototypes.

**Trainer(s)** : *Mr.Ayan Roy Mukherjee, (Micropro)*  
**Attendance Percentage** : *82 %*  
**Pass Percentage** : *95 %*

  
22.06.21

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Pashchim Bardhaman, WB, PIN - 713 305

Date: 04.05.21

## Report on Value Added Course

**Training Topic** : **Web Development using CSS JAVA Script**  
**Training Date** : **19.04.21 - 30.04.21**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **119**  
**Year / Semester** : **3rd Year / 5th Sem**  
**Mode of Training** : **Online**  
**Stream** : **Computer Science and Engineering , Information  
Technology**

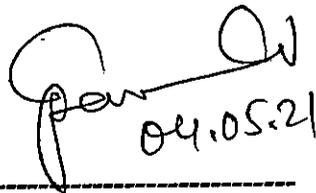
**Learning Outcome** :

1. Learn Ways to Deploy Website Online.
2. Create interactive websites using HTML, CSS & Javascript.
3. Create both simple and complex HTML and CSS forms.
4. Create a working contact form.

**Trainer(s)** :  
Mr.Chandan Mukherjee, (TOTSOL Technologies)

**Attendance Percentage** : **83 %**

**Pass Percentage** : **94 %**

  
04.05.21

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Date: 18.08.20

## Report on Value Added Course

**Training Topic** : **Competitive Coding**  
**Training Date** : **07.02.20 - 11.02.20**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **54**  
**Year / Semester** : **Final Year**  
**Mode of Training** : **Online**  
**Stream** : **Master of Computer Application**

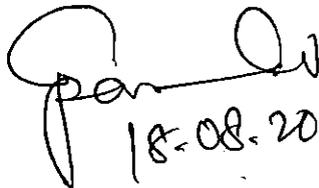
**Learning Outcome** :

1. Higher-quality work.
2. The ability to deliver results under pressure.
3. The ability to better self-assess and rate others' work.
4. New ways of solving problems, and the ability to solve more complex problems.

**Trainer(s)** :  
Mr. Ayan Roy Mukherjee, (Micropro)

**Attendance Percentage** : **91 %**

**Pass Percentage** : **96 %**

  
18-08-20

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Date: 04.05.21

## Report on Value Added Course

**Training Topic** : **Full Stack Development**  
**Training Date** : **17.08.21 - 21.08.21**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **24**  
**Year / Semester** : **3rd Year/ 6th Sem**  
**Mode of Training** : **Online**  
**Stream** : **Master of Computer Application**

**Learning Outcome** :

1. Structure and implement HTML/CSS.
2. Apply intermediate and advanced web development practices.
3. Implement basic JavaScript.

**Trainer(s)** :  
Mr. Arnav Chakraborty (Totsol technology)

**Attendance Percentage** : 94 %

**Pass Percentage** : 92 %

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Pashchim Bardhaman, WB, PIN - 713 305

Date: 27.06.2021

## Report on Value Added Course

**Training Topic** : **Programming Concept using Pseudo Code**  
**Training Date** : **21.06.2021 - 25.06.2021**  
**Type of Training (s)** : **Value Added Course**  
**Duration (Days / Hrs.)** : **5 Days (30 Hrs.)**  
**No of Participants** : **605**  
**Year / Semester** : **1st Year , 2nd Semester**  
**Mode of Training** : **Online**  
**Stream** : **All B. Tech students and MCA students**

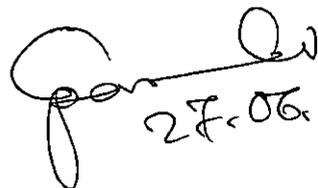
**Learning Outcome** :

1. it can be quickly and easily converted into an actual programming language as it is similar to a programming language.
2. it is fairly easy to understand, even for non-programmers.
3. it does not matter if there are errors in the syntax - it is usually still obvious what is intended.

**Trainer(s)** :

Ayan Roy Mukherjee (Micro - Pro)  
Mahendra Dutta (Freelancer)  
Aninda Banerjee (Totsol Technology)  
Arnav Chakraborty (Totsol Technology)  
Rajeev Das (Freelancer)  
Suvendu Das (Totsol Technology)  
Saikat Chakraborty (Totsol Technology)  
Debojyoti Majumde

**Attendance Percentage** : **95 %**  
**Pass Percentage** : **96 %**

  
27.06.21

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