

# APPENDICES -1

## **APPROVAL LETTER**





GURU GOBIND SINGH EDUCATIONAL SOCIETY'S TECHNICAL CAMPUS Kandra (V), Chas –  
827013, BOKARO (JHARKHAND)

Ref. No. – Approval /158-A /2018

Date -07/11/2018

**NOTE FOR APPROVAL**

**Subject: Request for Approval for in House Training**

The training workshop is scheduled for six days from 19/11/2018 to 24/11/2018 at our campus. The participant will be the students of CSE, Civil Engg. ECE, EEE, and Mechanical Engg.

The total no. of students of all branches will be 294. The total estimated cost of workshop is likely to be Rs. 294000/- only

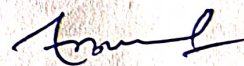
S.no	Program	Department	Duration	Course fee / Student
1.	STAAD PRO.	Civil Deptt.	6 Days	Rs. 1000/-
2.	C++	CSE Deptt.	6 Days	Rs. 1000/-
3.	Eagle PCB Design	ECE Deptt.	6 Days	Rs. 1000/-
4.	CATIA V5	MECH Deptt.	6 Days	Rs. 1000/-
5.	AUTO CAD Electrical	EEE Deptt.	6 Days	Rs. 1000/-

**Payment Details:**


Company PAN No. FGAPS6560N  
Current Account Number: 30551492070  
IFSC Code: SBIN0012446  
State Bank of India, Gupti Para.

Thanking You  
Yours Sincerely

  
TPO In-charge  
GGSESTC

  
F Director, GGSESTC  
Bokaro

Hon'ble Secretary, GGES

  
07/11/2018

**DIRECTOR**  
GGSESTC, Kandra, Chas  
Bokaro, Jharkhand-827013







**GOBIND SINGH EDUCATIONAL SOCIETY'S TECHNICAL CAMPUS Kandra (V), Chas – 827013,  
BOKARO (JHARKHAND)**

Ref. No. - *Approval /051-A/2021*

Date -17/08/2021

**NOTE FOR APPROVAL**

**Subject: Request for Approval for in House Training**

The training workshop is schedule for three months from 09/09/2021 to 24/12/2021 at our campus in online mode. The participant will be the students of MBA Department.

The total no. of students will be 31. The Training will be provided by our in campus faculty members. Kindly approve the same.

**Name of Program are:**

S.no	Name of Program	S.no	Name of Program	S.no	Name of Program
1.	Internet of Things & AI	10	GST & IoT & AI	19	Supply Chain & Logistics Managements & Business Analytics Managements
2	Cyber Security & Computer application & IoT & AI	11	Cyber Security & Computer application Supply Chain & Logistics Managements	20	Business Analytics Managements & Operation Management & Quality Control
3	E- Business & Retail Management & Supply Chain & Logistics Managements	12	Cyber Security & Computer application & Business Analytics Managements	21	GST Supply Chain & Logistics Managements
4	E- Business & Retail Management & GST	13	Office Management & IT & International Business and Trade	22	E- Business & Retail Managements & Business Analytics Managements
5	IoT & AI, Supply Chain & Logistics Managements	14	Office Management & IT & Business Analytics Managements	23	Hostel & Hospitality Management & Rural Management & Skill Development
6	GST & Supply Chain & Logistics Managements	15	GST & Office Management & IT	24	GST & E- Business & Retail Managements
7	Hostel & Hospitality Management, Supply Chain & Logistics Managements	16	E- Business & Retail Managements & Supply Chain & Logistics Managements		
8	IoT & AI Operation Management & Quality Control	17	IoT & AI & Rural Management & Skill Development		
9	Supply Chain & Logistics Managements & Operation Management & Quality Control	18	GST & Business Analytics Managements		

Thanking You  
Yours Sincerely

*[Signature]*  
TPO In-charge  
GGSESTC

*[Signature]*  
Director, GGSESTC  
Bokaro

**DIRECTOR**  
**GGSESTC, Kandra, Chas**  
**Bokaro, Jharkhand-827013**







GURU GOBIND SINGH EDUCATIONAL SOCIETY'S TECHNICAL CAMPUS Kandra (V), Chas –  
827013, BOKARO (JHARKHAND)

Ref. No. – Approval /145 – A /2022

Date -10/10/2022

**NOTE FOR APPROVAL**

**Subject: Request for Approval for in House Training**

The training workshop is schedule for six days from 24/10/2022 to 29/10/2022 at our campus. The participant will be the students of CSE, Civil Engg. ECE, EEE, and Mechanical Engg.

The total no. of students of all branches will be 128. The total estimated cost of workshop is likely to be Rs. 128000/- only


S.no	Program	Department	Duration	Course fee / Student
1.	STAAD PRO.	Civil Deptt.	6 Days	Rs. 1000/-
2.	C++	CSE Deptt.	6 Days	Rs. 1000/-
3.	Eagle PCB Design	ECE Deptt.	6 Days	Rs. 1000/-
4.	CATIA V5	MECH Deptt.	6 Days	Rs. 1000/-
5.	AUTO CAD Electrical	EEE Deptt.	6 Days	Rs. 1000/-

**Payment Details:**


Company PAN No. FGAPS6560N  
Current Account Number: 30551492070  
IFSC Code: SBIN0012446  
State Bank of India, Gupti Para.

Thanking You  
Yours Sincerely

  
TPO In-charge  
GGSESTC

  
10/10/2022  
Director, GGSESTC  
Bokaro

Hon'ble Secretary, GGES

  
10/10/2022







GURU GOBIND SINGH EDUCATIONAL SOCIETY'S TECHNICAL CAMPUS Kandra (V), Chas –  
827013, BOKARO (JHARKHAND)

Ref. No. – Approval / 111-A / 2022

Date -02/08/2022

**NOTE FOR APPROVAL**

**Subject: Request for Approval for in House Training**

The training workshop is schedule for six days from 17/08/2022 to 23/08/2022 at our campus. The participant will be the students of CSE, Civil Engg. ECE, EEE, and Mechanical Engg.

The total no. of students of all branches will be 52. The total estimated cost of workshop is likely to be Rs. 52000/- only


S.no	Program	Department	Duration	Course fee / Student
1.	Estimation & Costing	Civil Deptt.	6 Days	Rs. 1000/-
2.	Python	CSE Deptt.	6 Days	Rs. 1000/-
3.	MAT Lab	ECE Deptt.	6 Days	Rs. 1000/-
4.	Machine Learning	MECH Deptt.	6 Days	Rs. 1000/-
5.	PLC Learling	EEE Deptt.	6 Days	Rs. 1000/-

**Payment Details:**

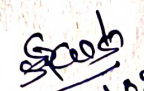
Company PAN No. AAFCT7703F  
Current Account Number: 556420110000652  
IFSC Code: BKID0005564  
Bank of India.

Thanking You  
Yours Sincerely

  
TPO in charge  
GGSESTC

  
Director, GGSESTC  
Bokaro

Hon'ble Secretary, GGES

  
02/08/22.



**DIRECTOR**  
GGSESTC, Kandra, Chas  
Bokaro, Jharkhand-827013



# APPENDICES – 2

## **CIRCULAR**





**GURU GOBIND SINGH EDUCATIONAL SOCIETY'S TECHNICAL CAMPUS**

**Kandra (V), Chas – 827013, BOKARO (JHARKHAND)**

**Ref. No. – Notice / 269-A / 2018      Notice**

**Date: 15/11/2018**

All the students of B.Tech CSE, ECE, EEE, MECH and Civil Engineering are hereby inform that the in house training will be start from 15 November 2018. All the students are advice to join the training programme on schedule below.

The Details as follows

S.No	Name of Programme	Branch	Date of Training
1.	STAAD PRO.	Civil	19-24 November 2018
2.	C++	CSE	19-24 November 2018
3.	Eagle PCB Design	ECE	19-24 November 2018
4.	AUTO CAD Electrical	EEE	19-24 November 2018
5.	CATIA V5	MECH	19-24 November 2018

*f.k*

**DIRECTOR**  
GGSESTC, Kandra, Chas  
Bokaro, Jharkhand-827013

*f. Ghoshal*

Director

GGSESTC, Bokaro







**GURU GOBIND SINGH EDUCATIONAL SOCIETY'S TECHNICAL CAMPUS**

**Kandra (V), Chas – 827013, BOKARO (JHARKHAND)**

**Ref.No. – Notice/112-A/2021 Notice**

**Date: 04/09/2021**

All the students of MBA Department are hereby inform that the in house online training will be start from 09 September 2021 to 24 December 2021. All the students are advice to join the training programme on schedule above date.

The Details as follows

S.no	Name of Program	S.no	Name of Program	S.no	Name of Program
1.	Internet of Things & AI	10	GST & IoT & AI	19	Supply Chain & Logistics Managements & Business Analytics Managements
2	Cyber Security & Computer application & IoT & AI	11	Cyber Security & Computer application Supply Chain & Logistics Managements	20	Business Analytics Managements & Operation Management & Quality Control
3	E- Business & Retail Management & Supply Chain & Logistics Managements	12	Cyber Security & Computer application & Business Analytics Managements	21	GST Supply Chain & Logistics Managements
4	E- Business & Retail Management & GST	13	Office Management & IT & International Business and Trade	22	E- Business & Retail Managements & Business Analytics Managements
5	IoT & AI, Supply Chain & Logistics Managements	14	Office Management & IT & Business Analytics Managements	23	Hostel & Hospitality Management & Rural Management & Skill Development
6	GST & Supply Chain & Logistics Managements	15	GST & Office Management & IT	24	GST & E- Business & Retail Managements
7	Hostel & Hospitality Management, Supply Chain & Logistics Managements	16	E- Business & Retail Managements & Supply Chain & Logistics Managements		
8	IoT & AI Operation Management & Quality Control	17	IoT & AI & Rural Management & Skill Development		
9	Supply Chain & Logistics Managements & Operation Management & Quality Control	18	GST & Business Analytics Managements		



**DIRECTOR**  
**GGSESTC, Kandra, Chas**  
**Bokaro, Jharkhand-827013**

**Director**  
**GGSESTC, Bokaro**





**GURU GOBIND SINGH EDUCATIONAL SOCIETY'S TECHNICAL CAMPUS**  
**Kandra (V), Chas – 827013, BOKARO (JHARKHAND)**

Ref. No. – Notice/123-A/2022 **Notice**

Date: 12/08/2022

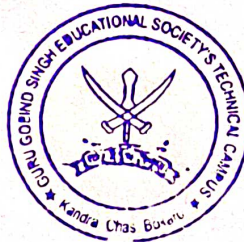
All the students of B.Tech CSE, ECE, EEE, MECH and Civil Engineering are hereby inform that the in house training will be start from 17 August 2022. All the students are advice to join the training programme on schedule below.

The Details as follows

S.No	Name of Programme	Branch	Date of Training
1.	Estimation and Costing	Civil	17-23 August 2022
2.	Python	CSE	17-23 August 2022
3.	MAT Lab	ECE	17-23 August 2022
4.	PLC	EEE	17-23 August 2022
5.	Machine Learning	MECH	17-23 August 2022

Director

GGSESTC, Bokaro



**DIRECTOR**  
**GGSESTC, Kandra, Chas**  
**Bokaro, Jharkhand-827013**





**GURU GOBIND SINGH EDUCATIONAL SOCIETY'S TECHNICAL CAMPUS**

**Kandra (V), Chas – 827013, BOKARO (JHARKHAND)**

Ref. No. -- Notice / 008-A / 2023 Notice

Date: 12/01/2023

All the students of B.Tech CSE, ECE, EEE, MECH and Civil Engineering are hereby inform that the in house training will be start from 16 January 2023. All the students are advice to join the training programme on schedule below.

The Details as follows

S.No	Name of Programme	Branch	Date of Training
1.	STAAD PRO.	Civil	16-21 January 2023
2.	C++	CSE	16-21 January 2023
3.	Eagle PCB Design	ECE	16-21 January 2023
4.	AUTO CAD Electrical	EEE	16-21 January 2023
5.	CATIA V5	MECH	16-21 January 2023

Director

GGSESTC, Bokaro



**DIRECTOR**  
GGSESTC, Kandra, Chas  
Bokaro, Jharkhand-827013



# APPENDICES – 3

## **REPORT**





GURU GOBIND SINGH EDUCATIONAL SOCIETY'S TECHNICAL CAMPUS

Kandra (V), Chas – 827013, BOKARO (JHARKHAND)

Civil Engineering Department

Date: 25/11/2018

To,

The Director,

GGSESTC, Kandra, Chas, Bokaro

Subject: Report of Value Aided Programme conducted on “STAAD PRO.”

Respected Sir,

With reference to above mentioned Value Aided Programme on “STAAD PRO.” held on 19-24 November 2018 with 71 Students in civil Engineering Department. After completion of training all students get certificated.

**Objective of the Programme:** Aims to enhance the overall efficiency and effectiveness of structural engineering projects by providing a structured approach to utilizing the software's capabilities.

**Outcomes of the Programme:** STAAD PRO association with Apex CADD Centre, aimed to enhance the skills and knowledge of participants in using STAAD Pro for structural analysis and design. The program typically includes a series of workshops and hands-on training sessions that cover various aspects of the software,

- Understanding Structural Analysis
- Design Compliance
- Practical Applications
- Efficiency Improvements
- Networking Opportunities

**Assessment Process:** The Assessment process is conducted by the 20 MCQ based question after the completion of Value Aided Programme.

*Siddharth*  
Faculty In-Charge

VAP

*R. Nayak*  
HOD

Civil Engineering Department

*f. Ghosh*  
Director

GGSESTC, Bokaro

**DIRECTOR**  
GGSESTC, Kandra, Chas  
Bokaro, Jharkhand-827013





**GURU GOBIND SINGH EDUCATIONAL SOCIETY'S TECHNICAL CAMPUS**

**Kandra (V), Chas – 827013, BOKARO (JHARKHAND)**

**Department of Master Business Administration**

**Date: 04/01/2022**

To,

The Director,

GGSESTC, Kandra, Chas, Bokaro

**Subject: Report of Value Aided Programme conducted on “GST & Supply Chain & Logistic Management”**

**Respected Sir,**


With reference to above mentioned Value Aided Programme on “GST & Supply Chain & Logistic Management” held on 09 September to 24 December 2021 on online mode with 31 Students in MBA Department. After completion of training all students get certificated.


**Objective of the Programme:** The objective of GST is in taxation and fostering an environment conducive to efficient supply chain management and logistics operations in to simplified way in tax structures, improving credit mechanisms, increasing transparency in Industry, Government sector, and corporate sector.

**Outcomes of the Programme:** The outcomes of the GST has led to significant improvements in supply chain management by simplifying tax structures, reducing operational costs, enhancing transportation efficiency, improving credit mechanisms, increasing transparency, while also presenting initial challenges that have been largely overcome over time. After completion of training the students understands about,

- Simplification of Tax Structure
- Reduction in Operational Costs
- Enhanced Efficiency in Transportation
- Improved Input Tax Credit Mechanism
- Challenges During Transition

**Assessment Process:** The Assessment process is conducted by the 20 MCQ based question after the completion of Value Aided Programme.

  
Faculty In-Charge  
VAP

  
HOD  
MBA. Department

  
Director

GGSESTC, Bokaro

**DIRECTOR**  
GGSESTC, Kandra, Chas  
Bokaro, Jharkhand-827013







GURU GOBIND SINGH EDUCATIONAL SOCIETY'S TECHNICAL CAMPUS

Kandra (V), Chas – 827013, BOKARO (JHARKHAND)

Mechanical Engineering Department

Date: 25/08/2022

To,

The Director,

GGSESTC, Kandra, Chas, Bokaro

Subject: Report of Value Aided Programme conducted on “Machine Learning”

Respected Sir,


With reference to above mentioned Value Aided Programme on “Machine Learning” held on 17-23 August 2022 with 12 Students in Mechanical Engineering Department. After completion of training all students get certificated.

**Objective of the Programme:** Objective of machine learning is to enable computers to learn from data and improve their performance on specific tasks over time without being explicitly programmed for each task. The main objective of machine learning to connect the students with machine on the basis of learning from Data, improvement over time, Automation of Decision-Making, Generalization, Versatility across domains and Enhancing human capabilities.

**Outcomes of the Programme:** The outcomes of machine learning are diverse and impactful across multiple domains including business operations, healthcare diagnostics, customer service enhancements, financial fraud detection, personalized marketing strategies, predictive analytics capabilities, natural language processing advancements, and continuous system improvement. After completion of training, the students to judge as

- Improved Decision-Making
- Automation of Processes
- Enhanced Personalization
- Predictive Analytics
- Improved Accuracy in Diagnostics
- Natural Language Processing (NLP)
- Continuous Improvement

**Assessment Process:** The Assessment process is conducted by the 20 MCQ based question after the completion of Value Aided Programme.

  
Faculty In-Charge

VAP

  
HOD  
Mechanical Engg. Department

  
Director

GGSESTC, Bokaro  
**DIRECTOR**  
GGSESTC, Kandra, Chas  
Bokaro, Jharkhand-827013







GURU GOBIND SINGH EDUCATIONAL SOCIETY'S TECHNICAL CAMPUS

Kandra (V), Chas – 827013, BOKARO (JHARKHAND)

Electronic and Communication Engineering Department

Date: 03/11/2022

To,

The Director,

GGSESTC, Kandra, Chas, Bokaro

Subject: Report of Value Aided Programme conducted on "Eagle PCB Design"

Respected Sir,

With reference to above mentioned Value Aided Programme on "Eagle PCB Design" held on **24-29 October 2022** with 06 Students in Electronic and Communication Department. After completion of training all students get certificated.

**Objective of the Programme:** Objective of EAGLE PCB design is to provide a comprehensive and user-friendly platform for creating printed circuit boards (PCBs) through an integrated environment that combines schematic capture, PCB layout, and computer-aided manufacturing (CAM) features. This enables designers to efficiently develop electronic circuits from initial concept to final production-ready designs.

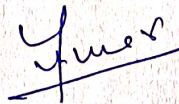
**Outcomes of the Programme:** After successful outcomes from using Eagle PCB Design include thorough validation through ERC and DRC checks, enhanced quality through adherence to best practices in layout and component placement, generation of essential manufacturing files like Gerber files and BOMs, collaborative opportunities through file sharing capabilities, and access to extensive learning resources within its community.

- Design Validation and Error Checking
- Improved Design Quality
- Generation of Manufacturing Files
- Collaboration and Sharing
- Learning Curve and Community Support

**Assessment Process:** The Assessment process is conducted by the 20 MCQ based question after the completion of Value Aided Programme.

  
Faculty In-Charge

VAP



HOD

ECE. Department



Director

GGSESTC, Bokaro



**DIRECTOR**  
GGSESTC, Kandra, Chas  
Bokaro, Jharkhand-827013





GURU GOBIND SINGH EDUCATIONAL SOCIETY'S TECHNICAL CAMPUS

Kandra (V), Chas – 827013, BOKARO (JHARKHAND)

Electronic and Communication Engineering Department

Date: 25/01/2023

To,

The Director,

GGSESTC, Kandra, Chas, Bokaro

Subject: Report of Value Aided Programme conducted on “Eagle PCB Design”

Respected Sir,


With reference to above mentioned Value Aided Programme on “Eagle PCB Design” held on **16-21 January 2023** with 06 Students in Electronic and Communication Department. After completion of training all students get certificated.

**Objective of the Programme:** Objective of EAGLE PCB design is to provide a comprehensive and user-friendly platform for creating printed circuit boards (PCBs) through an integrated environment that combines schematic capture, PCB layout, and computer-aided manufacturing (CAM) features. This enables designers to efficiently develop electronic circuits from initial concept to final production-ready designs.

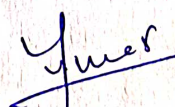
**Outcomes of the Programme:** After successful outcomes from using Eagle PCB Design include thorough validation through ERC and DRC checks, enhanced quality through adherence to best practices in layout and component placement, generation of essential manufacturing files like Gerber files and BOMs, collaborative opportunities through file sharing capabilities, and access to extensive learning resources within its community.

- Design Validation and Error Checking
- Improved Design Quality
- Generation of Manufacturing Files
- Collaboration and Sharing
- Learning Curve and Community Support

**Assessment Process:** The Assessment process is conducted by the 20 MCQ based question after the completion of Value Aided Programme.

  
Faculty In-Charge

VAP

  
HOD

ECE. Department

  
Director

GGSESTC, Bokaro



**DIRECTOR**  
GGSESTC, Kandra, Chas  
Bokaro, Jharkhand-827013



# APPENDICES – 4

## **SYLLABUS**



## CLOUD CADD

Hooghly West Bengal-712512

Eagle (PCB Design) Day wise Syllabus for GGSEST ECE students

1.	<b>OVERVIEW</b> <ul style="list-style-type: none"><li>• Introduction to Eagle</li><li>• Standard Libraries</li><li>• The ANSI Standard</li><li>• File type</li><li>• GUI</li><li>• Working Procedure</li><li>• Libraries</li><li>• Fabrication</li></ul>
2.	<ul style="list-style-type: none"><li>• Schematic Creation</li><li>• Getting started wi_ __ Allegro PCB Editor.</li><li>• Preparation of board for layout using board wizard.</li><li>• Learn about user interface.</li><li>• Defining parameter of board (Constraint Manager).</li><li>• Learn about different tools of Orcad/Allegro PCB Edito</li></ul>
3.	<ul style="list-style-type: none"><li>• Add nets to schematic</li><li>• Introduction to manual routing</li><li>• Introduction to different parameter of perfect routing</li></ul>



**DIRECTOR**  
GGSESTC, Kandra, Chas  
Bokaro, Jharkhand-827013



	<ul style="list-style-type: none"> <li>• Finishing of routing (Glossing, unmitter)</li> <li>• Introduction to copper pour for power plane.</li> <li>• Checking the status of routing</li> <li>• Board Creation &amp; Layout</li> <li>• Pour Copper</li> <li>• Final Touches</li> </ul>
4.	<ul style="list-style-type: none"> <li>• Assigning specific text (silkscreen) to design</li> <li>• Creating report of design.</li> <li>• Creating manufacturing data (GERBER) for design</li> <li>• Plotting of layout design for home production</li> <li>• Creating Pdf documentation of design.</li> </ul>
5.	<ul style="list-style-type: none"> <li>• Key factor for routing power track (VCC &amp; GND).</li> <li>• Reducing Crosstalk effect.</li> <li>• Reducing EMI effect</li> </ul>
6.	<ul style="list-style-type: none"> <li>• Net listing/logic import from schematic to PCB</li> <li>• Component Placement</li> <li>• Power-user tips for the future and random jottings</li> <li>• PCB design flow</li> </ul>



Sandip Sankar

*Pm*  
**DIRECTOR**  
 GGSESTC, Kandra, Chas  
 Bokaro, Jharkhand-827013





# CLOUD CADD

Hooghly West Bengal-712512

STAAD PRO. Day wise Syllabus for GGSEST CE students

1.

- Overview of Structural Analysis and Design
- Draw Shear Force and Bending Moment diagram and Calculating values for various supports and load types.
- Introduction to STAAD.Pro V8i
- STAAD Editor
- Co-ordinate Systems
- Global Vs Local
- Creating a New Project in STAAD.Pro
- Units
- Model Generation
- Creating Nodes & Members

2.


- Model Editing Tools
- Translational Repeat
- Circular Repeat
- Move
- Mirror
- Rotate
- Insert Node

  
**DIRECTOR**  
GGSESTC, Kandra, Chas  
Bokaro, Jharkhand-827013





3.	<ul style="list-style-type: none"> <li>• Model Editing Tools</li> <li>• Connect Beams Along</li> <li>• Stretch Selected Members</li> <li>• Intersect Selected Members</li> <li>• Merge Selected Members</li> <li>• Split Beam</li> <li>• Break Beams at Selected Nodes</li> <li>• Creating Models by using Structure Wizard</li> </ul> <p>Modeling of Trusses</p>
4.	<ul style="list-style-type: none"> <li>• Support Specification</li> <li>• Member Property Specification</li> <li>• Member Offset</li> <li>• Material Specification</li> <li>• Group Specification</li> <li>• Loading</li> <li>• Creating a Primary Load</li> </ul> <p>Adding Self weight</p>

  
**DIRECTOR**  
 GGSESTC, Kandra, Chas  
 Bokaro, Jharkhand-827013





5.	<ul style="list-style-type: none"> <li>• Loading</li> <li>• Nodal Load</li> <li>• Member Load</li> <li>• <input type="checkbox"/> Uniform Force and Moment</li> <li>• <input type="checkbox"/> Concentrated Force and Moment</li> <li>• <input type="checkbox"/> Linear Varying Load</li> <li>• <input type="checkbox"/> Trapezoidal Load</li> <li>• <input type="checkbox"/> Hydrostatic Load</li> <li>• <input type="checkbox"/> Pre/Post Stress</li> <li>• Area Load</li> <li>• Floor Load</li> </ul> <p>Mini Project</p>
6.	<ul style="list-style-type: none"> <li>• Introduction to Analysis</li> <li>• Perform Analysis</li> <li>• Overview of Output Page</li> <li>• Pre-analysis Print</li> <li>• Post-analysis Print</li> <li>• Inactive or Design.</li> </ul>



Sandip Sarker

*h*  
**DIRECTOR**  
 GGSESTC, Kandra, Chas  
 Bokaro, Jharkhand-827013





# CLOUD CADD

Hooghly, West Bengal-712512

CATIA V5 Day wise Syllabus for GGSEST Mechanical Engineering Students

Day	Content
1	<b>CATIA as a CAD software :-</b> Concept of Parametric Modeling, Feature Based Modeling, User Interface, Mouse operations, File types and Management, drawing profiles. Major user industries of Catia. Profile toolbar, operation (corner, chamfer, relimitations, transformations, project 3D element), constraints, types of constraints, workbench.
2	Material Addition and Removal (Pad, Pocket, Shaft, Groove), Sketch and Positioned Sketch, Types of Fillets, Types of Chamfer, Types of Hole <b>Advance Design features :-</b> Axis System, Types of draft, Shell, Stiffener, rib slot,
3	<b>Introduction To Multibody concept:-</b> Copy Paste, Paste special, Insert body, Boolean Operations (Add, remove, Intersect), Transformation (Translation, Mirror, Scaling, Affinity) <b>Advance Features:-</b> Parameters, Formula, Relations, Design Table.
4	<b>Surfacing Modeling based Plastic Component:-</b> Environment, Tool bars, Surface Creation (Extrude, Revolve, Sphere, Cylinder), Surface Modification, Surface Editing (Trim, Split, Shape Fillet, Close Surface, Thickness).
5	<b>Introduction to Assembly:-</b> Types of assembly approach, Types of Constrains and DOF, placement of components in the Assembly, Manipulating Components, <b>BOTTOM UP Approach &amp; TOP DOWN</b> <b>Approach:-</b> Part, Product, Component, Space Analysis, Reuse Pattern, Save management.
6	<b>Introduction To Drafting &amp; Detailing Theory:-</b> (types Generative – Interactive), Initial Drafting setting, Sheet Background, Views (ortho, ISO), Dimensions (Types-Generate Dimension & Create Dimension).



  
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Sandip Sarker





# CLOUD CADD

Hooghly West Bengal-712512

C++ Day wise Syllabus for GGSEST CSE students

1.	<p><b>OVERVIEW</b></p> <ul style="list-style-type: none"><li>• Object-Oriented Programming</li><li>• Standard Libraries</li><li>• The ANSI Standard</li><li>• Learning C++</li></ul> <p><b>BASIC SYNTAX</b></p> <ul style="list-style-type: none"><li>• C++ Program Structure</li><li>• Compile &amp; Execute C++ Program</li><li>• Semicolons &amp; Blocks in C++</li><li>• C++ Keywords</li></ul>
2.	<p><b>DATA TYPES</b></p> <ul style="list-style-type: none"><li>• Primitive Built-in Types</li><li>• typedef Declarations</li><li>• Enumerated Types</li></ul> <p><b>VARIABLE TYPES</b></p> <ul style="list-style-type: none"><li>• Variable Definition in C++</li><li>• Variable Declaration in C++</li><li>• Lvalues and Rvalues</li></ul>

  
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
3.	<p><b>VARIABLE SCOPE</b></p> <ul style="list-style-type: none"> <li>• Local Variables</li> <li>• Global Variables</li> <li>• Initializing Local and Global Variables</li> </ul> <p><b>CONSTANTS/LITERL</b></p> <ul style="list-style-type: none"> <li>• Integer Literals</li> <li>• Floating-point Literals</li> <li>• Boolean Literals</li> <li>• Character Literals</li> <li>• String Literals</li> <li>• Defining Constants</li> </ul>
4.	<p><b>STORAGE CLASSES</b></p> <ul style="list-style-type: none"> <li>• The auto Storage Class</li> <li>• The register Storage Class</li> <li>• The static Storage Class</li> <li>• The extern Storage Class</li> <li>• The mutable Storage Class</li> </ul>

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	<p><b>OPERATORS</b></p> <ul style="list-style-type: none"> <li>• Arithmetic Operators</li> <li>• Relational Operators</li> <li>• Logical Operators</li> <li>• Bitwise Operators</li> <li>• Assignment Operators</li> <li>• Misc Operators</li> <li>• Operators Precedence in C++</li> </ul>
5.	<p><b>LOOP TYPES</b></p> <ul style="list-style-type: none"> <li>• While Loop</li> <li>• Loop Control Statements</li> <li>• The Infinite Loop</li> </ul> <p><b>DECISION-MAKING STATEMENTS</b></p> <ul style="list-style-type: none"> <li>• If Statementif...</li> <li>• else Statementif...</li> <li>• else if...else Statement</li> <li>• Switch Statement</li> <li>• Nested if Statement</li> <li>• The ? : Operator</li> </ul>

  
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6.

### BASIC INPUT/OUTPUT


- I/O Library Header Files
- The Standard Output Stream (cout)
- The Standard Input Stream (cin)
- The Standard Error Stream (cerr)
- The Standard Log Stream (clog)

### CLASSES AND OBJECTS

- C++ Class Definitions
- Define C++ Objects
- Classes & Objects in Detail
- Class Access Modifiers
- The public Members
- The private Members
- The protected Members
- Constructor & Destructor
- Friend Functions
- Inline Functions
- Pointer to C++ Classes
- Static Members of a Class
- Static Function Members



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## PLC SCHEDULE- FOR ELECTRICAL

DAYS	DAY & DATE	DETAILS OF TOPICS TO BE COVERED	LEFT OVER TOPIC	FACULTY IN-CHARGE
1		Introduction of automation, Roll of automation, Industrial application History of automation <b>OLD Diagram, Ladder Diagram</b> <b>Concept of component</b> Switches, push button, selector switch, Assignments		Jitendra Kumar Nath
2		<b>Concept of Flute SIM Software (electrical)</b> <b>Concept of component</b> Relay, Contactor, Concept of Latching And Inching, Sensor, Timer <b>Concept of wiring</b> <b>Power CKT, Control CKT</b> Assignments		Jitendra Kumar Nath
3		<b>PLC</b> What is PLC, Introduction, architecture of PLC, component of PLC Hardware (Rail, Rack Power supply, CPU, IFM Signal module), <b>How to open TIA Portal</b> Create Project with Setup, Previous		Jitendra Kumar Nath
4		Bit Logic (NO, NC, Output Coil, Midline Output, Invert Power Flow (NOT), Assignment Practical with Hardware of Stair Case Wiring		Jitendra Kumar Nath
5		<b>Timer(S_PULSE, S_PEXT),</b> <b>Timer(S_ODT, S_ODTS)</b> Assignment		Jitendra Kumar Nath

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6

Counter (Count down, Count Up, count Up  
Down)

Comparator (Equal, not equal, greater  
than, less than, greater than or equal, less  
than or equal), Move  
Assignment

Jitendra Kumar Nath

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


# CLOUD CADD

Hooghly West Bengal-712512

AutoCAD Electrical Day wise Syllabus for GGSEST EEE students

1.	<p><b>Introduction to Engineering Drawings</b></p> <ul style="list-style-type: none"><li>• Applications of AutoCAD(Machine drawings, Production drawings, Part drawings, Assembly drawings)</li><li>• Introduction to AutoCAD.</li><li>• Exploring GUI and Workspaces</li><li>• Co-ordinate systems</li><li>• Display Control : Zoom, Pan, Redraw, Regen, Clean Screen, Steering wheels</li><li>• File Management - New, Open, Save, Save as, Close, Exit.</li><li>• Tutorial : Working with Co-ordinate systems</li><li>• Tutorial : Draw using Absolute Co-ordinate system</li><li>• Tutorial : Draw using Relative Co-ordinate system</li></ul>
2.	<ul style="list-style-type: none"><li>• <b>Drawing settings</b> : Units, Limits</li><li>• <b>Drafting settings</b> : Snap and Grid, Polar tracking, Object snap, 3D Object snap, Dynamic input(F1 to F12 Function keys)</li><li>• <b>Drawing tools</b> : Line, Circle, Arc, Ellipse, Donut, Polygon, Rectangle, Point, Multiple point</li><li>• <b>Modify tools</b> : Erase, Undo, Redo, Explode, Move, Copy, Rotate, Mirror, Array, Align, Scale, Stretch, Lengthen, Trim, Extend, Break, Join, Chamfer, Fillet, Blend curves, Object</li></ul>

  
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3.	<b>Layer</b> <ul style="list-style-type: none"> <li>• Layer Management</li> <li>• Adding / Removing Layers</li> <li>• Layer Status</li> <li>• New Property Filter</li> <li>• Practice Drawing</li> </ul>
4.	<ul style="list-style-type: none"> <li>• <b>Hatching utilities</b> : Hatch, Hatchedit, Gradient, Boundary, Hatch Settings, Fill and Fill mode</li> <li>• <b>Dimensions</b> : Linear, Aligned, Radius, Diameter, Angle, Arc length, Continuous, Baseline, Tolerance, Dimension Space,</li> </ul>
5.	<ul style="list-style-type: none"> <li>• <b>Block</b></li> <li>• Create Block, Base, Write block, Dynamic Block, Insert, Design Center, and Tool Palette</li> <li>• Divide and Measure (Use block and point options)</li> <li>• <b>Attributes</b> : Attribute definition, Attribute edit, Edit single &amp; multiple attribute, Attribute Display, Manage Attributes, Attdia, Attext, Eattext</li> <li>• <b>Standards</b> : Drawing sheets standards and Title block standards</li> <li>• Title blocks creation, Symbol creation, BOM creation, Data extraction and Link Data</li> </ul>

  
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6.	<p><b>Electrical</b></p> <ul style="list-style-type: none"> <li>• <b>Project:</b> Create project, Edit project, Project Configuration.</li> <li>• <b>Schematic :</b> Insert component, Edit component, Add Attribute, Create Wire, Wire Numbering, Multiple Bus, Ladder.</li> <li>• <b>Panel:</b> Insert Panel footprint, Panel Libraries.</li> <li>• <b>Report:</b> Create Bill of Materials, Audit Circuit.</li> </ul>
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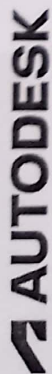


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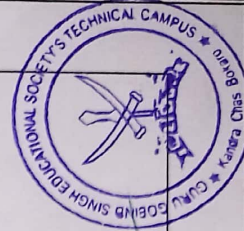
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### COURSE COMPLETION SCHEDULE- AUTOCAD

DAY	DAY & DATE	DETAILS OF TOPICS TO BE COVERED	LEFT OVER TOPICS	FACULTY IN CHARGE
1	Monday 15/05/2023	Input methods, Selection method With Mouse control, Unit, Limits, Line, Circle & methods, Ortho, Save. Commands : Trim, Extend, Offset, Undo, Redo , O snap, Exercise 1 : Drafting of Plan/ Ex-1 Mechanical Construction line , Rectangle, Dimension Style, Linear, Radius, Diameter, Aligned, Angular, Text Exercise 2 : Elevation of Plan/ Ex-2	Construction line , Rectangle, Dimension Style, Linear, Radius, Diameter, Aligned, Angular, Text Exercise 2 : Elevation of Plan/ Ex-2	Mrs. Savita
2	Tuesday 16/05/2023	Move, Rotate, Copy, Mirror, Chamfer, Fillet, Polyline, Line Properties Exercise 3: Elevation of Plan/ Ex- 2 Array, Hatch, Gradient, Draw order, Match Properties Exercise 4: Window design with hatch Break & Join, Arc Project 2A, Elevation Drawing, Project 1B Construction line , Rectangle, Dimension Style, Linear, Radius, Diameter, Aligned, Angular, Text Exercise 2 : Elevation of Plan/ Ex-2	Mirror, Chamfer, Fillet, Polyline, Line Properties Exercise 4: Window design with hatch	Mrs. Savita

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3	Wednesday 17/05/2023	<p>Break &amp; Join, Arc, <b>Exercise 5 : Elevation</b> Point &amp; Point Style , Scale &amp; Design Centre, Plot Layer <b>Exercise 6 : Section of Stair / Spanner</b></p> <p>Mirror, Chamfer, Fillet, Polyline, Line Properties <b>Exercise 4: Window design with hatch</b></p>	<p><b>Exercise 6 : Section of Stair / Spanner</b> <b>Foundation Plan</b> Point &amp; Point Style , Scale &amp; Design Centre, Layer</p>	Mrs. Savita
4	Thursday 18/05/2023	<p>View tool Bar, Visual Style, 3D orbit, Basic Solid Modeling (Extrude)</p> <p>Practice Model (3D B), Project 3D -A <b>Exercise 6: Section of Stair / Spanner</b> Point &amp; Point Style, Scale &amp; Design Centre</p>	<p>View tool Bar, Visual Style, 3D orbit, Basic Solid Modeling (Extrude) <b>Practice Model 3B, Project 3D - A, Scale</b> <b>Exercise 6: Section of Stair</b></p>	Mrs. Savita
5	Friday 19/05/2023	<p>Block, Insert, Stair Section</p> <p>Scale, Design Center, Stair floor plan, Door Design Project : Spanner</p>	Stair Elevation,	Mrs. Savita
6	Saturday 20/05/2023	<p>Section of Elevation, View tool Bar, Visual Style, 3D orbit, Basic Solid Modeling (Extrude) <b>Revision of Previous class, Evaluation Test (MCO &amp; Practical Examination)</b></p>		Mrs. Savita



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# TWINTech ENGINEERING & DESIGN TECHNOLOGY, PVT LTD. BHUBANESHWAR

## INTERNSHIP ON MACHINE LEARNING (MECHANICAL)

### Day 1: Introduction to Machine Learning & Python

**Objective:** Understand the basic concepts of ML, the types of learning, and Python libraries for ML.

#### 1. Introduction to Machine Learning

- Definition of ML, AI, and Deep Learning
- Types of Machine Learning: Supervised, Unsupervised, Semi-supervised, Reinforcement Learning
- Real-world applications of ML
- Overview of ML workflow

#### 2. Python Basics for ML

- Python programming review (if necessary): Variables, Data structures (Lists, Tuples, Dictionaries)
- Introduction to key libraries for ML:
  - **NumPy** (for numerical computations)
  - **Pandas** (for data manipulation)
  - **Matplotlib/Seaborn** (for visualization)

#### 3. Setting up the Environment

- Installing Python and libraries (via pip or Anaconda)
- Setting up Jupyter Notebooks/Google Colab for practice

#### 4. Hands-on Exercise:

- Load and explore a simple dataset (e.g., Iris dataset using Pandas)
- Visualize the data using Matplotlib/Seaborn

---

### Day 2: Data Preprocessing & Exploratory Data Analysis (EDA)

**Objective:** Learn how to clean, preprocess, and understand data before applying machine learning models.

#### 1. Data Collection & Preprocessing

- Handling missing values (imputation, removal)
- Encoding categorical variables (Label Encoding, One-Hot Encoding)
- Feature scaling (Normalization, Standardization)
- Feature selection techniques

#### 2. Exploratory Data Analysis (EDA)



  
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- Summary statistics (mean, median, mode, standard deviation)
- Visual exploration of data (Boxplots, Histograms, Pairplots)
- Correlation and feature relationships

### 3. Hands-on Exercise:

- Apply preprocessing techniques on a sample dataset (e.g., Titanic dataset)
- Perform exploratory analysis to gain insights

## Day 3: Supervised Learning – Regression

**Objective:** Learn the fundamentals of regression models and how to apply them for prediction.

### 1. Introduction to Regression Models

- Simple Linear Regression
- Multiple Linear Regression
- Evaluation metrics: Mean Absolute Error (MAE), Mean Squared Error (MSE), R-squared

### 2. Hands-on Exercise:

- Implement Linear Regression on a real-world dataset (e.g., Boston housing dataset)
- Train a model, make predictions, and evaluate performance

### 3. Model Evaluation & Cross-validation

- Overfitting and underfitting
- K-fold cross-validation
- Bias-variance tradeoff

## Day 4: Supervised Learning – Classification

**Objective:** Explore classification algorithms and how to use them for classification tasks.

### 1. Introduction to Classification Algorithms

- Logistic Regression
- k-Nearest Neighbors (k-NN)
- Decision Trees and Random Forest
- Support Vector Machines (SVM)

### 2. Evaluation Metrics for Classification

- Accuracy, Precision, Recall, F1-score
- Confusion matrix



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- ROC-AUC curve

### 3. Hands-on Exercise:

- Implement a classification model (e.g., Logistic Regression or k-NN) on a dataset like the Iris or Titanic dataset
- Evaluate the model using appropriate metrics

---

## Day 5: Unsupervised Learning & Clustering

**Objective:** Understand clustering algorithms and their applications in unsupervised learning.

### 1. Introduction to Unsupervised Learning

- Clustering vs. Classification
- Types of Clustering: K-Means, Hierarchical Clustering, DBSCAN

### 2. Dimensionality Reduction

- Principal Component Analysis (PCA)
- t-SNE (t-distributed Stochastic Neighbour Embedding)

### 3. Hands-on Exercise:

- Apply K-Means clustering on a dataset (e.g., customer segmentation)
- Visualize clusters and interpret results

### 4. Optional Exercise:

- Perform PCA for dimensionality reduction and visualization of clustered data

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## Day 6: Model Tuning, Evaluation

**Objective:** Learn how to fine-tune models and apply machine learning to solve real-world problems.

### 1. Model Tuning & Hyperparameter Optimization

- Grid Search and Random Search for hyperparameter tuning
- Introduction to **Cross-Validation** for model selection
- Regularization techniques (L1, L2 regularization)

### 2. Ensemble Methods

- Bagging (e.g., Random Forest)
- Boosting (e.g., XGBoost, AdaBoost)



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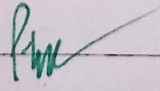
GURU GOBIND SINGH EDUCATIONAL SOCIETY'S TECHNICAL CAMPUS

Kandra (V), Chas – 827013, BOKARO (JHARKHAND)

Department of Master Business Administration

**Syllabus of GST & Supply Chain & Logistic Management**

1.	<p><b><u>Introduction to GST (Goods and Services Tax)</u></b></p> <p><b>Overview of GST:</b></p> <ul style="list-style-type: none"><li>Understanding the concept, importance, and objectives of GST in the Indian economy.</li></ul> <p><b>GST Structure:</b></p> <ul style="list-style-type: none"><li>Explanation of the dual structure of GST, including Central Goods and Services Tax (CGST), State Goods and Services Tax (SGST), and Integrated Goods and Services Tax (IGST).</li></ul> <p><b>GST Registration:</b></p> <ul style="list-style-type: none"><li>Process for obtaining GST registration, types of registrations, and compliance requirements.</li></ul> <p><b>GST Returns:</b></p> <ul style="list-style-type: none"><li>Types of returns under GST, filing procedures, deadlines, and penalties for non-compliance.</li></ul> <p><b>Input Tax Credit (ITC):</b></p> <ul style="list-style-type: none"><li>Mechanism of ITC under GST, eligibility criteria, and restrictions on claiming ITC.</li></ul> <p><b>GST Rates:</b></p> <ul style="list-style-type: none"><li>Overview of different tax slabs under GST and the classification of goods and services.</li></ul>
	<p><b><u>Supply Chain Management (SCM)</u></b></p> <p><b>Introduction to SCM:</b></p> <ul style="list-style-type: none"><li>Definition, significance, and components of supply chain management.</li></ul> <p><b>Supply Chain Processes:</b></p>

  
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2.	<ul style="list-style-type: none"> <li>Detailed study of key processes such as planning, sourcing, manufacturing, delivery, and return.</li> </ul> <p><b>Supply Chain Strategies:</b></p> <ul style="list-style-type: none"> <li>Different strategies for effective supply chain management including lean supply chains and agile supply chains.</li> </ul> <p><b>Technology in SCM:</b></p> <ul style="list-style-type: none"> <li>Role of technology in enhancing supply chain efficiency including ERP systems, IoT applications, and blockchain technology.</li> </ul> <p><b>Performance Measurement:</b></p> <ul style="list-style-type: none"> <li>Key performance indicators (KPIs) for evaluating supply chain performance.</li> </ul>
3.	<p><b><u>Logistics Management</u></b></p> <p><b>Basics of Logistics Management:</b></p> <ul style="list-style-type: none"> <li>Definition and importance of logistics in the supply chain context.</li> </ul> <p><b>Logistics Functions:</b></p> <ul style="list-style-type: none"> <li>Overview of logistics functions such as transportation, warehousing, inventory management, order fulfillment, and distribution.</li> </ul> <p><b>Transportation Management:</b></p> <ul style="list-style-type: none"> <li>Modes of transportation (roadways, railways, airways) and their impact on logistics costs.</li> </ul> <p><b>Warehouse Management:</b></p> <ul style="list-style-type: none"> <li>Principles of warehouse operations including layout design, inventory control techniques, and technology integration in warehouses.</li> </ul> <p><b>Global Logistics Trends:</b></p> <ul style="list-style-type: none"> <li>Current trends affecting global logistics such as e-commerce growth, sustainability practices in logistics.</li> </ul>
	<p><b><u>Integration between GST &amp; Supply Chain/Logistics Management</u></b></p> <p><b>Impact of GST on Supply Chains:</b></p> <ul style="list-style-type: none"> <li>How the implementation of GST has transformed supply chain operations in</li> </ul>

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4.	<p>India by reducing tax cascading effects.</p> <p><b>Compliance Challenges in Logistics under GST:</b></p> <ul style="list-style-type: none"> <li>Understanding compliance requirements specific to logistics providers under the new tax regime.</li> </ul> <p><b>Cost Implications for Businesses:</b></p> <ul style="list-style-type: none"> <li>Analyzing how GST affects overall logistics costs including transportation costs due to changes in tax structures.</li> </ul>
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# APPENDICES – 5

## **ATTENDANCE SHEET**





## GURU GOBIND SINGH EDUCATIONAL SOCIETY'S TECHNICAL CAMPUS

Kandra (V) Chas, Bokaro Steel City, Jharkhand India - 827013

### Students Training List (2022-23)

17-AUGUST-2022 - 23-AUGUST-2022

Students Training List (2022-23)										
SL. No.	Univ. Roll No	Name of the Students	Training Module	DAY-1	DAY-2	DAY-3	DAY-4	DAY-5	DAY-6	
1	19031490001	ALTAMAS MALLICK	MACHINE LEARNING	Altmas	Altmas	Altmas	Altmas	Altmas	Altmas	
2	19031490002	AMANDEEP SINGH	MACHINE LEARNING	Amandeep	Amandeep	Amandeep	Amandeep	Amandeep	Amandeep	
3	19031490003	ASHOK KUMAR MAHATO	MACHINE LEARNING	Ashok	Ashok	Ashok	Ashok	Ashok	Ashok	
4	19031490004	GULSHAN KUMAR	MACHINE LEARNING	Gulshan	Gulshan	Gulshan	Gulshan	Gulshan	Gulshan	
5	19031490006	RAHUL YADAV	MACHINE LEARNING	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	
6	19031490008	ROHIT KUMAR	MACHINE LEARNING	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	
7	19031490009	RUPESH KUMAR	MACHINE LEARNING	Rupesh	Rupesh	Rupesh	Rupesh	Rupesh	Rupesh	
8	19031490010	SAKIR AHMAD ANSARI	MACHINE LEARNING	Sakir	Sakir	Sakir	Sakir	Sakir	Sakir	
9	19031495005	KAMDEO MAHTO	MACHINE LEARNING	Kandeo	Kandeo	Kandeo	Kandeo	Kandeo	Kandeo	
10	19031495006	MAHAVIR HEMBROM	MACHINE LEARNING	Mahavir	Mahavir	Mahavir	Mahavir	Mahavir	Mahavir	
11	19031495007	MD INZAMAM ANSARI	MACHINE LEARNING	MD Inzamam	MD Inzamam	MD Inzamam	MD Inzamam	MD Inzamam	MD Inzamam	
12	19031495008	MRTUNJAY KUMAR	MACHINE LEARNING	Mritunjay	Mritunjay	Mritunjay	Mritunjay	Mritunjay	Mritunjay	
Signature of Faculty			Signature of Director							
Signature of HOD										



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Attendance of Students for Training									
S.NO	Name	Student enrollment number	Branch	Signature					
	Name of Training: Eagle PCB Design			16/01/2023	17/01/2023	18/01/2023	19/01/2023	20/01/2023	21/01/2023
1	Ajeet kumar pandey	20031465001	ECE	Ajeet	Ajeet	Ajeet	Ajeet	Ajeet	Ajeet
2	Anand kumar	20031465002	ECE	Anand	Anand	Anand	Anand	Anand	Anand
3	Babita kumari	20032465003	ECE	Babita	Babita	Babita	Babita	Babita	Babita
4	Madhu kumari	20031465004	ECE	Madhu	Madhu	Madhu	Madhu	Madhu	Madhu
5	Priyanka paswan	20031465006	ECE	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka
6	Mukesh Kumar	20031465005	ECE	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh	Mukesh
Signature of Faculty									
Signature of HOD									
Signature of Director									



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# Attendance of Students for Training

Attendance of Students for Training									
S.NO	Name	Student enrollment number	Branch	Signature					
	Name of Training: Eagle PCB Design			24/10/2022	25/10/2022	26/10/2022	27/10/2022	28/10/2022	29/10/2022
1	Anshu Kumari	19031465001	ECE	Anshu	Anshu	Anshu	Anshu	Anshu	Anshu
2	Muskan Ezaz	19031465002	ECE	Muskan	Muskan	Muskan	Muskan	Muskan	Muskan
3	Puja Kumari	19021465003	ECE	Puja	Puja	Puja	Puja	Puja	Puja
4	Aftab Alam	19031460001	ECE	Aftab Alam	Aftab Alam	Aftab Alam	Aftab Alam	Aftab Alam	Aftab Alam
5	Koushik Mandal	19031460002	ECE	Koushik	Koushik	Koushik	Koushik	Koushik	Koushik
6	Surjeet Kumar Gope	19031460003	ECE	Surjeet Kr.	Surjeet Kr.	Surjeet Kr.	Surjeet Kr.	Surjeet Kr.	Surjeet Kr.
Signature of Faculty									
Signature of HOD				Signature of Director					



**DIRECTOR**  
Chas  
GGSESTIC, Kandra,  
Bokaro, Jharkhand-827013



2021-22

9 Sep to 24 Dec 2021

## GURU GOBIND SINGH EDUCATIONAL SOCIETY'S TECHNICAL CAMPUS

An Institution of Engineering and Management, under affiliated to Jharkhand University of Technology(JUT), Ranchi (Jharkhand) and Approved by AICTE, MHRD, Govt. of India New Delhi

### List of ECP

S.no	Name	Programme name	Branch
1	Md. Ahzam Ezaz	IOT&AI	MBA
2	Kislay Raz	Cyber securities and computer application and IOT&AI	MBA
3	Praveen kumar	E-Business and retail management supply chain and logistics management	MBA
4	Kajal singh	E-Business and retail management and GST	MBA
5	Prakash kumar	IOT&AI supply chain and logistics management	MBA
6	Neha kumari	GST& supply chain and logistics management	MBA
7	Akancha singh	Hotel and hospitality management supply chain and logistics management	MBA
8	Aakriti singh	IOT&AI & Operation management and quality control	MBA
9	Manpreet kaur	GST& supply chain and logistics management	MBA
10	Niha kumari	E-Business and retail management business analytic management	MBA
11	Dhrambeer kumar	GST& supply chain and logistics management	MBA
12	Manish prakash pankaj	Hotel and hospitality management& rural management and skill development	MBA
13	Niha rani	GST& IOT&AI	MBA
14	Rajendra	Cyber securities and computer application supply chain and logistics management	MBA
15	Nawal kumar	GST& supply chain and logistics management	MBA
16	Sreeram Krishna jee	Cyber securities and computer application business analytic management	MBA
17	Pooja kumari	Office management and IT and international business and trade	MBA

  
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18	Saurabh kumar	Office management and IT and business analytic management	MBA
19	Manish kumari	GST and Office management and IT	MBA
20	Ahtesham Ahmad	E-Business and retail management and supply chain and logistics management	MBA
21	Shakeela banoo	GST& supply chain and logistics management	MBA
22	Rima kumari	IOT&AI rural management and skill development	MBA
23	Chandni Sahu	GST& supply chain and logistics management	MBA
24	Vishal kumar tiwari	Supply chain and logistics management Operation management and quality control	MBA
25	Pintu kumar tiwary	Supply chain and logistics management Operation management and quality control	MBA
26	Surjit singh	Supply chain and logistics management Operation management and quality control	MBA
27	Pooja singh	GST & business analytic management	MBA
28	Risabh pratik choudhary	GST & e-Business and retail management	MBA
29	Veevek Bhardwaj	Supply chain and logistics management and business analytic management	MBA
30	Aakash Sahay	Business analytic management Operation management and quality control	MBA

  
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Attendance of Student for Training		Signature	
S.NO	Name	Student enrollment number	Branch
Name of Training: STAAD PRO.			
1	ABHISHEK KUMAR	BT-1627685	CE
2	ADITYA	BT-1627686	CE
3	ADITYA NIGAM	BT-1627687	CE
4	ANSARUL HASSAN	BT-1627689	CE
5	CHANDAN KUMAR	BT-1627690	CE
6	KANCHAN KUMAR GOPE	BT-1627691	CE
7	MD. JAMAL MUSTAFA	SH1415482	CE
8	MD.SAHNAWAZ ANSARI	BT-1627692	CE
9	MD. TABREZ HASAN	BT-1627693	CE
10	MD. TALHA	BT-1627694	CE
11	MD.USMAN ALI	BT-1627695	CE
12	RAMBABU GORAIN	BT-1627696	CE
13	SALONI KUMARI	BT-1627697	CE
14	SARASWATI RANI	BT-1627698	CE
15	SHAMSH DILSHAD INAM	BT-1627699	CE
16	SHAHNAZ PARWEEN	BT-1627700	CE
17	SHIV PRAKASH PRASAD	BT-1627701	CE
18	UMESH KUMAR MAHATO	BT-1627702	CE
19	UTTAM KUMAR PANDEY	BT-1627703	CE
20	AEHISHEK KUMAR SINGH	BT-1418990	CE
21	SUJEET KUMAR	BT-1419099	CE
22	ARUN PRASAD	154D5050	CE
23	DHIRAJ KUMAR	154D5051	CE
24	NIMAY RAJAK	154D5052	CE
25	PRATIK KUMAR	154D5053	CE
26	PRIVANKA KUMARI	154D5054	CE
27	PUJA KUMARI	154D5055	CE
28	SARITA KUMARI	154D5056	CE
29	SUSHIL KUMAR	154D5057	CE
30	AKASH KUMAR VERMA	154D5002	CE
31	ALOK KHESS	154D5003	CE
32	ALOK PRABHAT	154D5004	CE
33	BABLU ORAON	154D5005	CE
34	CHANDRAKANTA KUMARI	154D5006	CE
35	DHANANJAY KUMAR	154D5007	CE
36	DHARAMNAT MAHATO	154D5008	CE
37	DIVESH KUMAR	154D5009	CE
38	GOBIND RAVIDAS	154D5010	CE

*Signature*



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**CGSESTC, Kandla, Chas**  
**Rokaro, Jharkhand-827013**



# APPENDICES – 6

## **BROCHURE**

# NPTEL ONLINE COURSE



## SMART MATERIALS AND INTELLIGENT SYSTEM DESIGN

**PROF. BISHAKH BHATTACHARYA**  
Department of Mechanical Engineering  
IIT Kanpur

**TYPE OF COURSE:** Rerun | Elective | UG/PG  
**Course Duration:** 4 weeks

**INTENDED AUDIENCE :** People aiming to explore advance areas.

**PRE-REQUISITES :** Basics of Nature and Properties of Materials, Linear algebra

**INDUSTRIES APPLICABLE TO :** Aerospace, Automobile, Manufacturing industries

### COURSE OUTLINE :

Smart Structures and Intelligent System are becoming an integral part of new aerospace and automobile systems due to high performance and fast response potential. Knowledge in this field is multi-disciplinary in nature involving materials, composites, basic electronics, control system and informatics. In this short course, I intend to convey the core flavor of the field by introducing the basic concepts behind such system along with some industrial applications developed in the SMSS laboratory of IIT Kanpur.

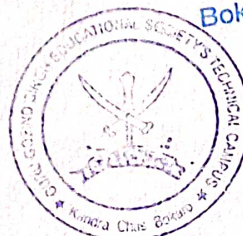
### ABOUT INSTRUCTOR :

Prof. Bishakh Bhattacharya is currently Dr. Gurumukh D. Mehta and Veena M. Mehta Chair Professor at the Department of Mechanical Engineering and joint faculty at Cognitive Science and Technology, IIT Kanpur. His research interest primarily lies in vibration control, structural health monitoring, energy harvesting system, intelligent system design and Child-Reconfigurable Robot Interaction. He is the coordinator of Space Technology Cell, IIT Kanpur and head of the SMSS (Smart Materials, Structures and Systems) Laboratory.  
<http://home.iitk.ac.in/~bishakh/>

### COURSE PLAN :

- Week 01 :** Introduction to Smart Materials
- Week 02 :** Mechanics of Composite Materials
- Week 03 :** Induced Strain Actuation Mechanisms
- Week 04 :** Intelligent System Design

  
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# DATA MINING

**PROF. PABITRA MITRA**

Department of Computer Science and Engineering  
IIT Kharagpur

**INTENDED AUDIENCE :** Any engineering discipline and mathematics, physics.

**INDUSTRIES APPLICABLE TO :** TCS, Infosys, CTS, Accenture

**COURSE OUTLINE :**

Data mining is study of algorithms for finding patterns in large data sets. It is an integral part of modern industry, where data from its operations and customers are mined for gaining business insight. It is also important in modern scientific endeavors. Data mining is an interdisciplinary topic involving, databases, machine learning and algorithms. The course will cover the fundamentals of data mining. It will explain the basic algorithms like data preprocessing, association rules, classification, clustering, sequence mining and visualization. It will also explain implementations in open source software. Finally, case studies on industrial problems will be demonstrated.

**ABOUT INSTRUCTOR :**

Prof. Pabitra Mitra is an Associate Professor of Computer Science and Engineering at Indian Institute of Technology Kharagpur. He did his BTech in Electrical Engineering from IIT Kharagpur and PhD from ISI Calcutta. He was a Scientist at Centre for Artificial Intelligence and Robotics, Bangalore and an Assistant Professor at IIT Kanpur. He received the INAE Young engineer Award, IBM Faculty Award and Yahoo Faculty Award. He has authored a book on Data mining and about 50 papers in international journals.

**COURSE PLAN :**

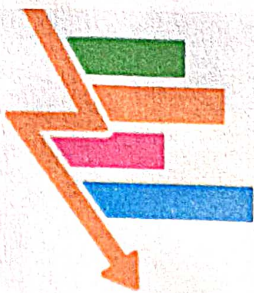
- Week 1:** Introduction, Data Preprocessing
- Week 2:** Association Rule Mining, Classification Basics
- Week 3:** Decision Tree, Bayes Classifier, K nearest neighbor
- Week 4:** Support Vector Machine, Kernel Machine
- Week 5:** Clustering, Outlier detection
- Week 6:** Sequence mining
- Week 7:** Evaluation, Visualization
- Week 8:** Case studies

NPTEL ONLINE COURSE



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# EXECUTIVE CERTIFICATE PROGRAMME IN

**GST and SUPPLY CHAIN & LOGISTICS MANAGEMENT**  
09 SEPT TO 24 DEC 2021

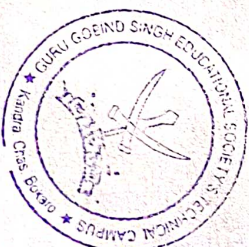


A JOINT INITIATIVE OF IQAC, IIC & DEPARTMENT OF BUSINESS MANAGEMENT

ORGANIZED BY

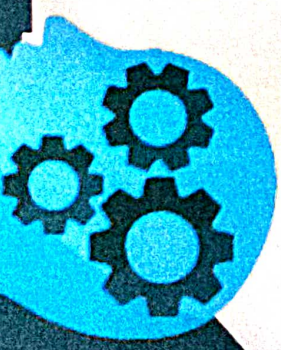
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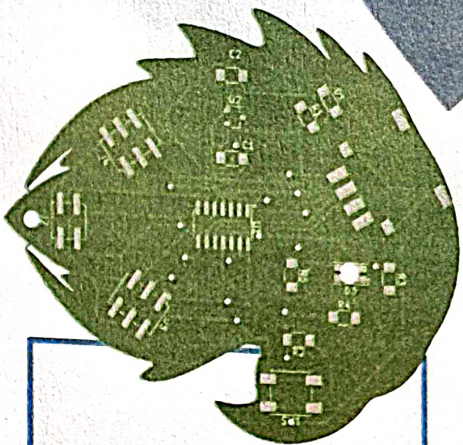


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**ONE-WEEK EXPERT IN-HOUSE TRAINING ON**

# **EAGLE PCB DESIGN**

**24<sup>th</sup> TO 29<sup>th</sup> OCTOBER 2022**

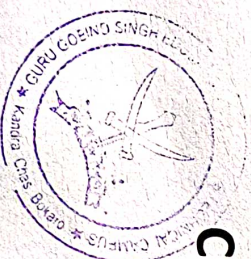
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**GURU GOBIND SINGH EDUCATIONAL  
SOCIETY'S TECHNICAL CAMPUS**

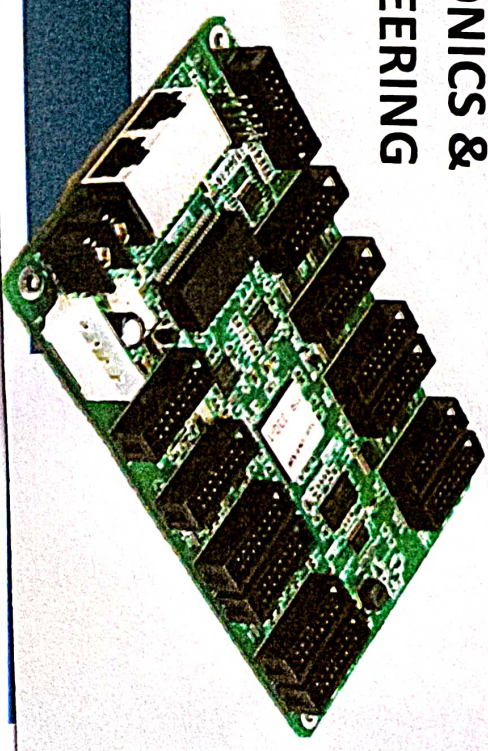
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**DEPARTMENT OF ELECTRONICS &  
COMMUNICATION ENGINEERING**



**DIRECTOR**

**GGSESTC, Kandira, Chas  
Bokaro, Jharkhand-827013**

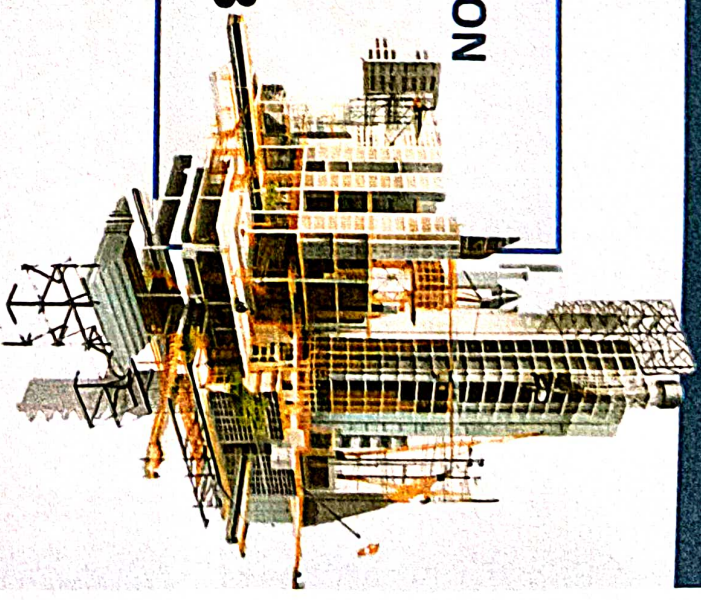




ONE-WEEK EXPERT IN-HOUSE TRAINING ON

**STADD PRO.**

19<sup>th</sup> TO 24<sup>th</sup> NOVEMBER 2018



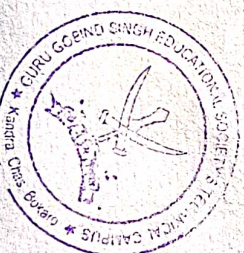
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**SOCIETY'S TECHNICAL CAMPUS**

**BOKARO, JHARKHAND - 827013**

**DEPARTMENT OF CIVIL ENGINEERING**



A handwritten signature in black ink, appearing to be the name of the Director, written in a cursive style.

DIRECTOR

GGSESTC, Kandra, Chas  
Bokaro, Jharkhand-827013





**ONE-WEEK EXPERT IN-HOUSE TRAINING ON**

# **INTERNSHIP ON MACHINE LEARNING**

**17<sup>th</sup> TO 22<sup>nd</sup> AUGUST 2022**



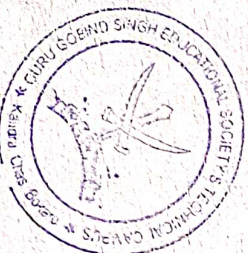
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**SOCIETY'S TECHNICAL CAMPUS**

**BOKARO, JHARKHAND - 827013**

**DEPARTMENT OF MECHANICAL ENGINEERING**



**DIRECTOR**

**GGSESTC, Kandra, Chas  
Bokaro, Jharkhand-827013**

