



Date: 01/06/2021

Training Program Completion Report

Department of Production and Industrial Engineering successfully organized one-week internal training program on CNC lathe and CNC milling machine for technical staff from April 05-09, 2021. The aim of the training program was to provide introductory knowledge about the newer and advanced manufacturing technologies, can be considered to be achieved. This enhanced the skill of the technical staffs. In this program fourteen candidates had registered out of which thirteen candidates have successfully completed the course.

Dr. Sanjiv Kumar Tiwari

To o/f file

01/06/21



DEPARTMENT OF PRODUCTION ENGINEERING
BIRLA INSTITUTE OF TECHNOLOGY, MESRA RANCHI-835215

Email: hod.pe@bitmesra.ac.in, Phone: +91-651-2275444(Ext-4474), Fax: +91-651-2275401

To,

Date: 17-03-2021

The Vice Chancellor

Birla Institute of Technology, Mesra, Ranchi

Subject: Permission for conducting 2 one-week internal training program for technical staffs and necessary budgetary approval for the same.

Dear Sir,


The Department of Production Engineering is planning to organize 2 one-week Internal training program for technical staffs from 05-04-2021 to 09-04-2021 and 26-04-2021 to 30-04-2021, respectively. The main aim of the training program is to provide introductory knowledge about the newer and advanced manufacturing technologies. This will help in enhancing the skill of the technical staffs. The copy of the training proposal is attached for your kind reference. The necessary budget for conducting the same is approximately Nineteen Thousand Twenty Five Only (₹ 19025.00)

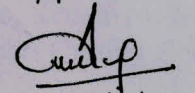
It is, therefore, requested you to kindly permit me to conduct the training program for technical staffs and give the budgetary approval of ₹ 19,025/- for the same.

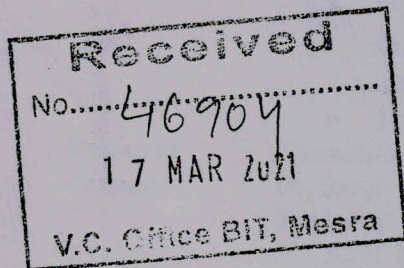
Thanking you

Sincerely yours

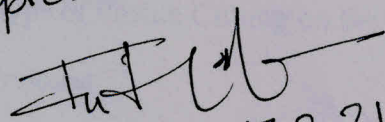

Dr. Joyjeet Ghose
17/3/21


V.C. Sir
An amount of Rs 19025/-
shall be budgeted
in FY 2021-22, therefore
may please be
approved.


17/3/21



Approved


17.3.21



Dr. Joyjeet Ghose, Ph.D., Head of Department, Production Engineering.
Email: joyjeet@bitmesra.ac.in Mobile No.: +919801339620

**DEPARTMENT OF PRODUCTION ENGINEERING
BIRLA INSTITUTE OF TECHNOLOGY, MESRA RANCHI-835215**

Email: hod.pe@bitmesra.ac.in, Phone: +91-651-2275444(Ext-4474), Fax: +91-651-2275401

Course: 2 One-Week Internal training program for technical staffs of Production Engineering Department.

Objective: To enhance the skill through introduction to newer technologies.

Topics: **Training 1: CNC Lathe & Milling** (05-04-2021 to 09-04-2021)

CNC Lathe Machine (Siemens Controller):

- To learn how to create part program for Step turning, taper turning, Grooving, Threading, Drilling and Boring.
- To learn how to operate the CNC Lathe Machine.
- To Learn tool off-set.
- To learn the machining on CNC Lathe.

CNC Milling Machine (Siemens Controller):

- To learn how to create part program for Facing, Rectangular Pocket, Circular Pocket, Contour Operation and Drilling.
- To learn how to operate the CNC Milling Machine.
- To Learn work offset.
- To learn the machining on CNC Milling.

Training 2: CNC Surface Grinding Machine & CNC Plasma Cutting Machine (26-04-2021 to 30-04-2021)

CNC Surface Grinding Machine (Siemens Controller):

- To learn how to operate the CNC Grinding Machine.
- To learn key function of the control panel.
- To Learn Input parameter for Grinding wheel setup, Dressing Setup and Surface Grinding setup.
- To learn the work offset on machine.
- To learn the Surface Grinding operation on machine.

CNC Plasma Cutting Machine:

- To learn how to operate the CNC Plasma Cutting Machine.
- To learn key function of the control panel.
- To Learn Input parameter of material thickness, Torch to Work Distance, Initial Pierce height, Pierce Delay Time. Cutting Speed and Voltage.
- To Learn the different type of Profile Cutting on the machine.

**Resource
Persons:**

Coordinator:
Dr. Sanjiv Kumar Tiwari, Asst. Professor
Trainer:
Mr. K. N. Singh
Mr. Sohrai Mahto
Mr. Rajendra Nayak
Mr. Dilip Rajak

Dr. Joyjeet Ghose, Ph.D., Head of Department, Production Engineering.
Email: joyjeet@bitmesa.ac.in Mobile No.: +919801339620

Tentative list of Participants:

Sl. No.	Participants
1.	Mr. Sona Ram Mahto
2.	Mr. Pradeep Kumar Singh
3.	Mr. Sanjay Chakarbaty
4.	Mr. Bandhan Munda
5.	Mr. Alfred Tigga
6.	Mr. Jaimohan Sahu
7.	Mr. Roylen Kumar Bage
8.	Mr. Sakal Nath Mahto
9.	Mr. Umesh Kumar Mahto
10.	Mr. Harsh Nath Mahto
11.	Mr. Manish Kumar
12.	Mr. Deepak Kumar
13.	Mrs. Kalawati
14.	Mr. Arun Mahto
15.	Mr. Jamesh Tigga

Budget Head: Workshop and seminar (₹ 70,000/- available as per records)

Refreshments: i) Tea and Biscuit daily in morning and evening.
ii) Validatory lunch at guest house.

Budget:	1. Two Validatory Lunch @ ₹150/- per plate + 15 % GST for 25 persons.	₹ 8,625/-
	2. Tea and Biscuit daily in morning and evening for ten days @ ₹12/- per plate + 15 % GST for 25 persons.	₹ 6,900/-
	3. Certificate and stationery.	₹ 2,500/-
	4. Miscellaneous.	₹ 1,000/-
	Total	₹ 19,025/-

ATTENDANCE SHEET

Sl. No.	Participants	Attendance				
		05/04/2021	06/04/2021	07/04/2021	08/04/2021	09/04/2021
1.	Mr. Sena Ram Mahto	SB	SB	SB	SB	SB
2.	Mr. Pradeep Kumar Singh	DK SCO				
3.	Mr. Sanjay Chakarbaty	SCO	SCO			
4.	Mr. Bandhan Munda	NSA	NSA	NSA	NSA	NSA
5.	Mr. Alfred Tigga	A	A	A	A	A
6.	Mr. Binand Kumar	AKR	AKR	AKR	AKR	AKR
7.	Mr. Roylen Kumar Bage					
8.	Mr. Sakal Nath Mahto	SKM	SKM	SKM	SKM	SKM
9.	Mr. Umesh Kumar Mahto	U.K. Mahto	U.K. Mahto	U.K. Mahto	U.K. Mahto	U.K. Mahto
10.	Mr. Harsh Nath Mahto	Mahto	Mahto	Mahto	Mahto	Mahto
11.	Mr. Manish Kumar	Manish Kumar	Manish Kumar	Manish Kumar	Manish Kumar	Manish Kumar
12.	Mr. Deepak Kumar	Deepak Kumar	Deepak Kumar	Deepak Kumar	Deepak Kumar	Deepak Kumar
13.	Mrs. Kalawati	Kalawati	Kalawati	Kalawati	Kalawati	Kalawati

14 Jay Mohan Sahu

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DEPARTMENT OF PRODUCTION ENGINEERING
BIRLA INSTITUTE OF TECHNOLOGY, MESRA RANCHI-835215

One-Week Internal Training Program on CNC Lathe and CNC Milling Machine for Technical Staff of Production Engineering Department

April 05-09, 2021 Venue: Department of Production Engineering

Course Coordinator: Dr. S. K. Tiwari (Mob.: +91-9431356570)

Day/Date	Monday 05/04/2021	Tuesday 06/04/2021	Wednesday 07/04/2021	Thursday 08/04/2021	Friday 09/04/2021
Time					
10:00 AM – 11:15 AM	Inauguration • Address by HOD Dr. Joyjeet Ghose. • Keynote Lecture on CNC Machine by Dr. Sanjiv Kumar Tiwari.	Programming and Simulation: Radius Profile Cutting and Grooving on controller.	Programming and Simulation: Drilling and Boring operation on controller.	Programming and Simulation: Facing and rectangular pocket.	Programming and Simulation: Contour and drilling operation.
11:15 AM – 11:30 AM	TEA BREAK				
11:30 AM – 12:45 PM	Basic concept of CNC turn programming and simulation for facing, step turning, taper turning, and radius profile cutting.	Hands on CNC lathe (DX-135) machine: Radius Profile Cutting and Grooving operation.	Hands on CNC lathe (DX-135) machine: Drilling and Boring operation.	Hands on CNC milling (VMC-300) machine: Facing and rectangular pocket.	Hands on CNC milling (VMC-300) machine: Contour and drilling operation.
LUNCH BREAK					
02:00 PM – 03:15 PM	Brief discussion about the major parts of the CNC lathe (DX-135) machine & its control panel.	Programming and Simulation: Threading operation on controller.	Basic concept of CNC Milling programming and simulation for facing and rectangular pocket.	Programming and Simulation: Circular pocket.	Practical Evaluation on CNC lathe (DX-135) machine.
TEA BREAK					
03:15 PM – 03:30 PM	Hands on CNC lathe (DX-135) machine: Tool offset method, facing, step turning and taper turning.	Hands on CNC lathe (DX-135) machine: Threading operation.	Brief discussion about the major parts of the CNC milling (VMC-300) machine & its control panel, and tool offset.	Hands on CNC milling (VMC-300) machine: Circular pocket.	Practical Evaluation on CNC milling (VMC-300) machine.
03:30 PM – 04:45 PM					

Note: 1) The certificates will be issued to the candidates who successfully qualify the practical evaluation (Qualifying marks: 50%).
2) Attendance off all participants is mandatory.

Resource persons: 1) Mr. Rajendra Nayak
2) Mr. K. N. Singh
3) Mr. Sohrai Mahto
4) Mr. Dilip Rajak



DEPARTMENT OF PRODUCTION ENGINEERING
BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI

One Week Training Program on CNC Lathe and CNC Milling Machine

April 05th – 09th, 2021

Certificate of Participation

This is to certify that Mr. Jay Mahan Saha have successfully attended One Week Training Program on CNC Lathe and CNC Milling Machine for Technical Staff, organized by the Department of Production Engineering at BIT, Mesra, Ranchi during 05th – 09th April, 2021.

Dr. Sanjiv Kumar Tiwari
Coordinator

Dr. Joyjeet Ghose
Head of Department
Department of Production Engineering



DEPARTMENT OF PRODUCTION ENGINEERING
BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI

One Week Training Program on CNC Lathe and CNC Milling Machine


April 05th – 09th, 2021

Certificate of Participation

This is to certify that Mr. Soma Ram Mahata have successfully attended One Week Training Program on CNC Lathe and CNC Milling Machine for Technical Staff, organized by the Department of Production Engineering at BIT, Mesra, Ranchi during 05th – 09th April, 2021.



Dr. Sanjiv Kumar Tiwari
Coordinator



Dr. Joyjeet Ghose
Head of Department
Department of Production Engineering



DEPARTMENT OF PRODUCTION ENGINEERING
BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI

One Week Training Program on CNC Lathe and CNC Milling Machine

April 05th – 09th, 2021

Certificate of Participation

This is to certify that Mr. Sanjay Chakrabarty have successfully attended One Week Training Program on CNC Lathe and CNC Milling Machine for Technical Staff, organized by the Department of Production Engineering at BIT, Mesra, Ranchi during 05th – 09th April, 2021.

Dr. Sanjiv Kumar Tiwari
Coordinator

Dr. Joyjeet Ghose
Head of Department
Department of Production Engineering



DEPARTMENT OF PRODUCTION ENGINEERING
BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI

One Week Training Program on CNC Lathe and CNC Milling Machine

April 05th – 09th, 2021

Certificate of Participation

This is to certify that Mr. Sandhan Munda have successfully attended One Week Training Program on CNC Lathe and CNC Milling Machine for Technical Staff, organized by the Department of Production Engineering at BIT, Mesra, Ranchi during 05th – 09th April, 2021.



Dr. Sanjiv Kumar Tiwari
Coordinator



Dr. Joyjeet Ghose
Head of Department
Department of Production Engineering



DEPARTMENT OF PRODUCTION ENGINEERING
BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI

One Week Training Program on CNC Lathe and CNC Milling Machine

April 05th – 09th, 2021

Certificate of Participation

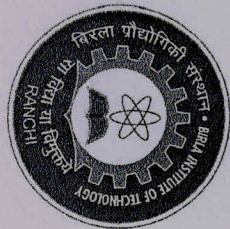
This is to certify that Mr. Alfred Tiaga have successfully attended One Week Training Program on CNC Lathe and CNC Milling Machine for Technical Staff, organized by the Department of Production Engineering at BIT, Mesra, Ranchi during 05th – 09th April, 2021.

Shiv

Dr. Sanjiv Kumar Tiwari
Coordinator

Dr. Joyjeet Ghose

Dr. Joyjeet Ghose
Head of Department
Department of Production Engineering




DEPARTMENT OF PRODUCTION ENGINEERING
BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI

One Week Training Program on CNC Lathe and CNC Milling Machine


April 05th – 09th, 2021

Certificate of Participation

This is to certify that Mr. Binand Kumar have successfully attended One Week Training Program on CNC Lathe and CNC Milling Machine for Technical Staff, organized by the Department of Production Engineering at BIT, Mesra, Ranchi during 05th – 09th April, 2021.



Dr. Sanjiv Kumar Tiwari
Coordinator



Dr. Joyjeet Ghose
Head of Department
Department of Production Engineering




DEPARTMENT OF PRODUCTION ENGINEERING
BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI

One Week Training Program on CNC Lathe and CNC Milling Machine


April 05th – 09th, 2021

Certificate of Participation

This is to certify that Mr. Sakal Nath Mahata have successfully attended One Week Training Program on CNC Lathe and CNC Milling Machine for Technical Staff, organized by the Department of Production Engineering at BIT, Mesra, Ranchi during 05th – 09th April, 2021.



Dr. Sanjiv Kumar Tiwari
Coordinator



Dr. Joyjeet Ghose
Head of Department
Department of Production Engineering



DEPARTMENT OF PRODUCTION ENGINEERING
BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI

One Week Training Program on CNC Lathe and CNC Milling Machine

April 05th – 09th, 2021

Certificate of Participation

This is to certify that Mr. Nimesh Kumar Mahata have successfully attended One Week Training Program on CNC Lathe and CNC Milling Machine for Technical Staff, organized by the Department of Production Engineering at BIT, Mesra, Ranchi during 05th – 09th April, 2021.

Dr. Sanjiv Kumar Tiwari
Coordinator

Dr. Joyjeet Ghose
Head of Department
Department of Production Engineering




DEPARTMENT OF PRODUCTION ENGINEERING
BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI


One Week Training Program on CNC Lathe and CNC Milling Machine

April 05th – 09th, 2021

Certificate of Participation

This is to certify that Mr. Harsh Math Mahato have successfully attended One Week Training Program on CNC Lathe and CNC Milling Machine for Technical Staff, organized by the Department of Production Engineering at BIT, Mesra, Ranchi during 05th – 09th April, 2021.


Dr. Sanjiv Kumar Tiwari
Coordinator


Dr. Joyjeet Ghose
Head of Department
Department of Production Engineering




DEPARTMENT OF PRODUCTION ENGINEERING
BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI

One Week Training Program on CNC Lathe and CNC Milling Machine


April 05th – 09th, 2021

Certificate of Participation

This is to certify that Mr. Manish Kumar have successfully attended One Week Training Program on CNC Lathe and CNC Milling Machine for Technical Staff, organized by the Department of Production Engineering at BIT, Mesra, Ranchi during 05th – 09th April, 2021.



Dr. Sanjiv Kumar Tiwari
Coordinator



Dr. Joyjeet Ghose
Head of Department
Department of Production Engineering




DEPARTMENT OF PRODUCTION ENGINEERING
BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI

One Week Training Program on CNC Lathe and CNC Milling Machine


April 05th – 09th, 2021

Certificate of Participation

This is to certify that Mr. Dipak Kumar have successfully attended One Week Training Program on CNC Lathe and CNC Milling Machine for Technical Staff, organized by the Department of Production Engineering at BIT, Mesra, Ranchi during 05th – 09th April, 2021.



Dr. Sanjiv Kumar Tiwari
Coordinator



Dr. Joyjeet Ghose
Head of Department
Department of Production Engineering




DEPARTMENT OF PRODUCTION ENGINEERING
BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI

One Week Training Program on CNC Lathe and CNC Milling Machine


April 05th – 09th, 2021

Certificate of Participation

This is to certify that Mr. Kalawati Mahata have successfully attended One Week Training Program on CNC Lathe and CNG Milling Machine for Technical Staff, organized by the Department of Production Engineering at BIT, Mesra, Ranchi during 05th – 09th April, 2021.



Dr. Sanjiv Kumar Tiwari
Coordinator



Dr. Joyjeet Ghose
Head of Department
Department of Production Engineering




DEPARTMENT OF PRODUCTION ENGINEERING
BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI

One Week Training Program on CNC Lathe and CNC Milling Machine


April 05th – 09th, 2021

Certificate of Participation

This is to certify that Mr. Rajendra Nayak have rendered his service as a resource person for conduction of One Week Training Program on CNC Lathe and CNC Milling Machine for Technical Staff, organized by the Department of Production Engineering at BIT, Mesra, Ranchi during 05th – 09th April, 2021.



Dr. Sanjiv Kumar Tiwari
Coordinator



Dr. Joyjeet Ghose
Head of Department
Department of Production Engineering



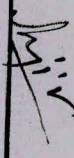
DEPARTMENT OF PRODUCTION ENGINEERING
BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI


One Week Training Program on CNC Lathe and CNC Milling Machine

April 05th – 09th, 2021

Certificate of Participation

This is to certify that Mr. R. N. Singh have rendered his service as a resource person for conduction of One Week Training Program on CNC Lathe and CNC Milling Machine for Technical Staff, organized by the Department of Production Engineering at BIT, Mesra, Ranchi during 05th – 09th April, 2021.


Dr. Sanjiv Kumar Tiwari
Coordinator


Dr. Joyjeet Ghose
Head of Department
Department of Production Engineering



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BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI

One Week Training Program on CNC Lathe and CNC Milling Machine

April 05th – 09th, 2021

Certificate of Participation

This is to certify that Mr. Sabaraj Mahato have rendered his service as a resource person for conduction of One Week Training Program on CNC Lathe and CNC Milling Machine for Technical Staff, organized by the Department of Production Engineering at BIT, Mesra, Ranchi during 05th – 09th April, 2021.



Dr. Sanjiv Kumar Tiwari
Coordinator



Dr. Joyjeet Ghose
Head of Department
Department of Production Engineering



DEPARTMENT OF PRODUCTION ENGINEERING
BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI

One Week Training Program on CNC Lathe and CNC Milling Machine

April 05th – 09th, 2021

Certificate of Participation

This is to certify that Mr. Dilip Rajak have rendered his service as a resource person for conduction of One Week Training Program on CNC Lathe and CNC Milling Machine for Technical Staff, organized by the Department of Production Engineering at BIT, Mesra, Ranchi during 05th – 09th April, 2021.

Dr. Sanjiv Kumar Tiwari
Coordinator

Dr. Joyjeet Ghose
Head of Department
Department of Production Engineering




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One Week Training Program on CNC Lathe and CNC Milling Machine

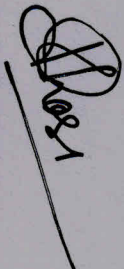
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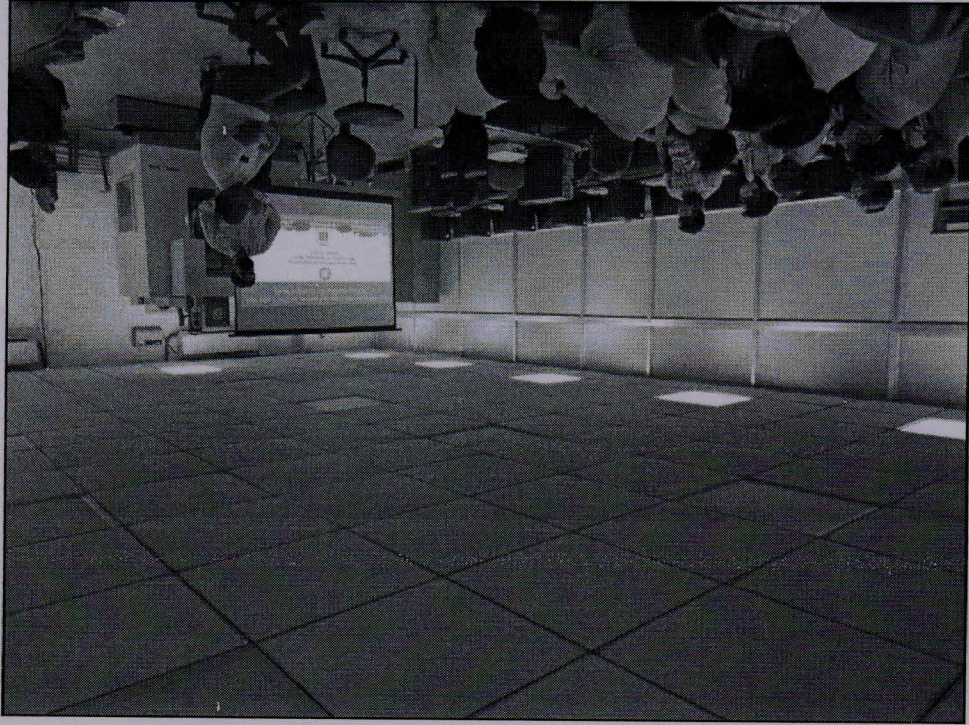


Dr. Sanjiv Kumar Tiwari
Coordinator

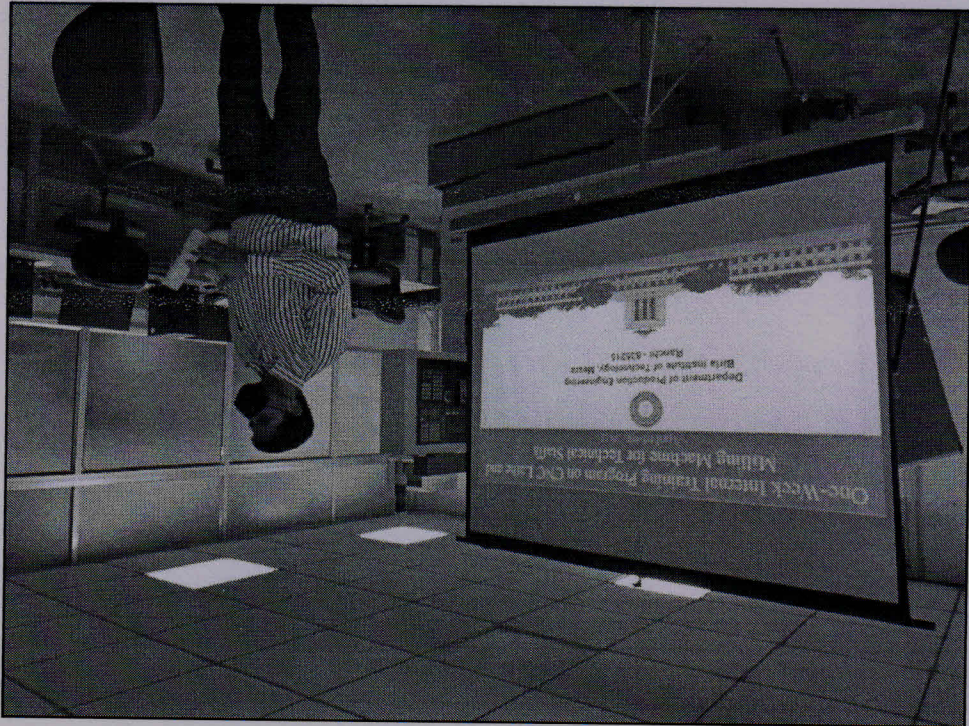


Dr. Joyjeet Ghose
Head of Department
Department of Production Engineering

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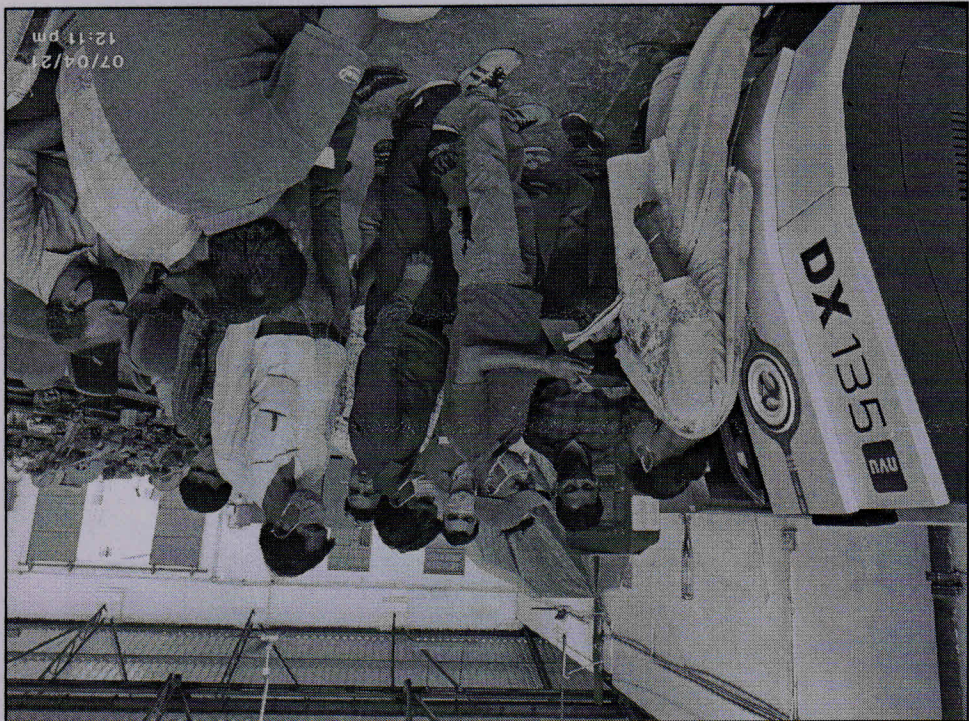


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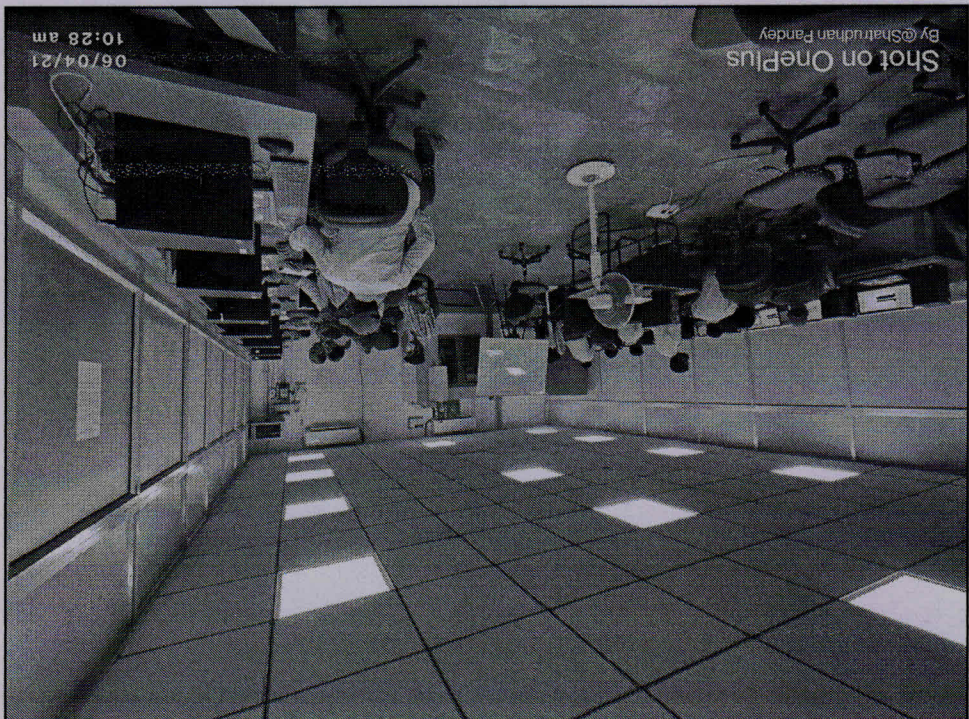


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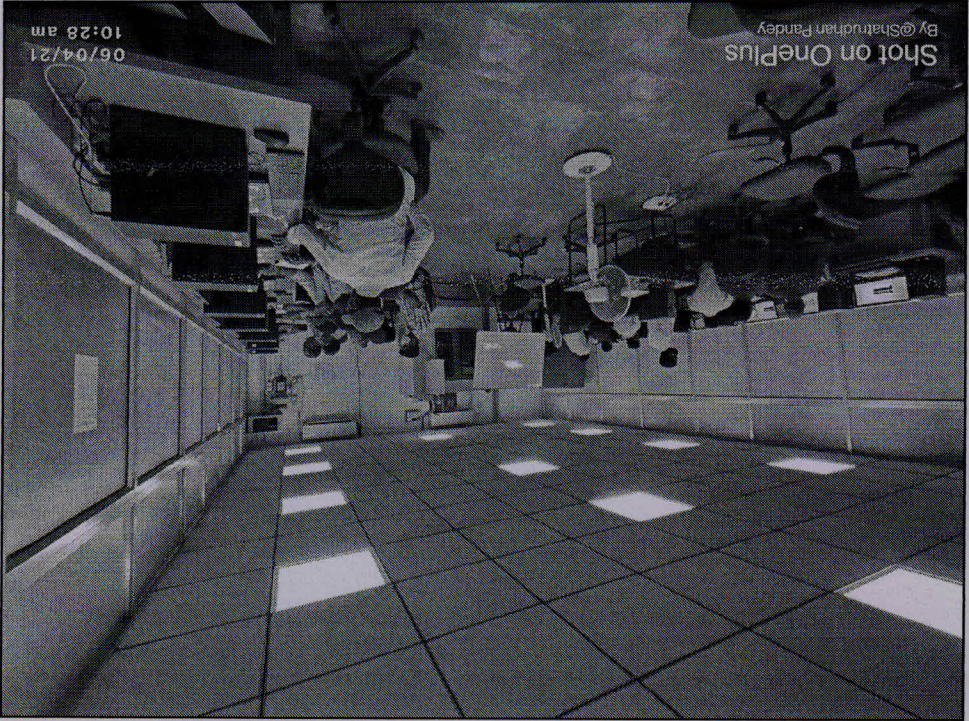
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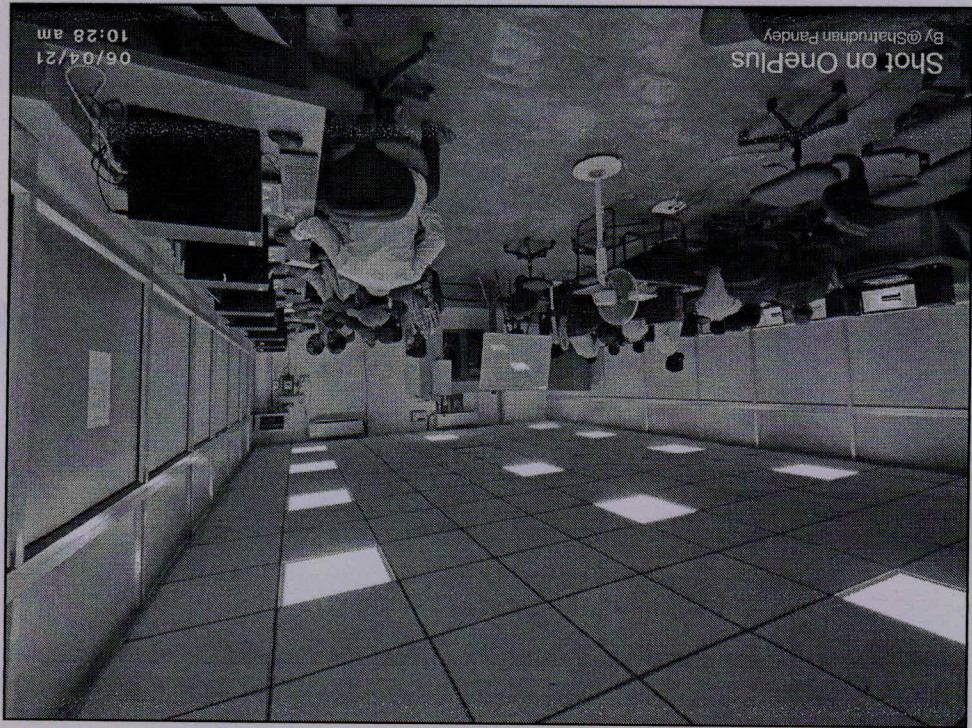


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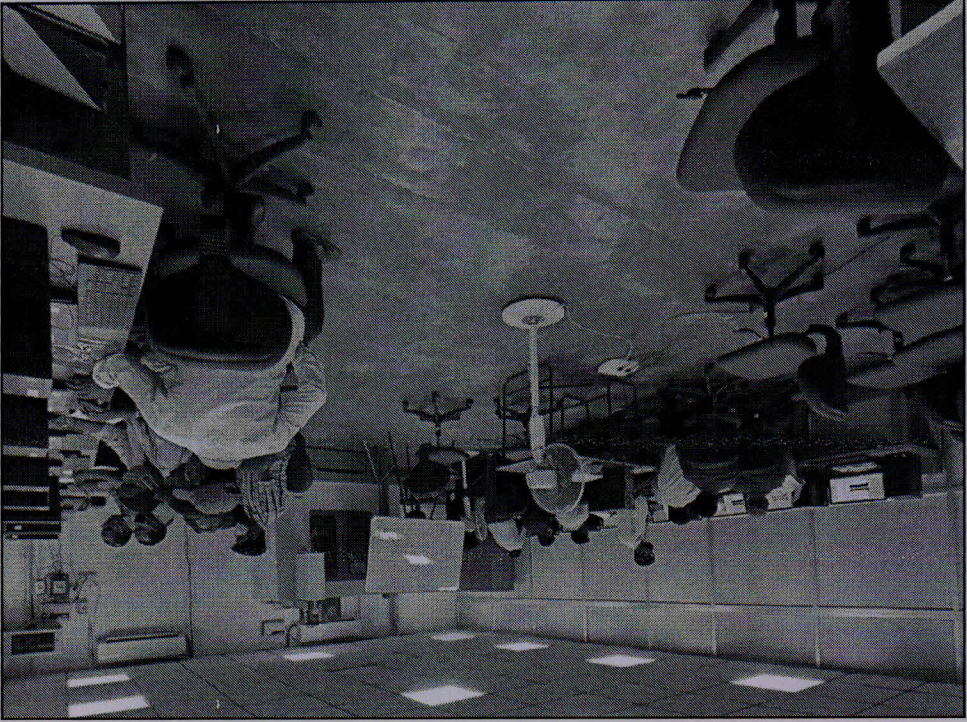
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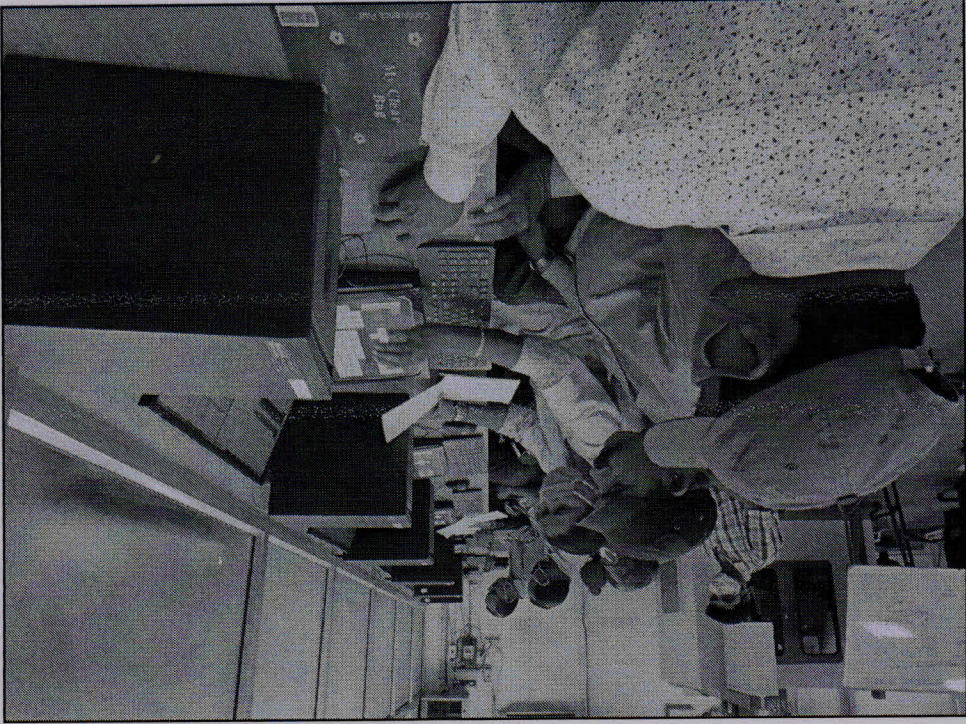
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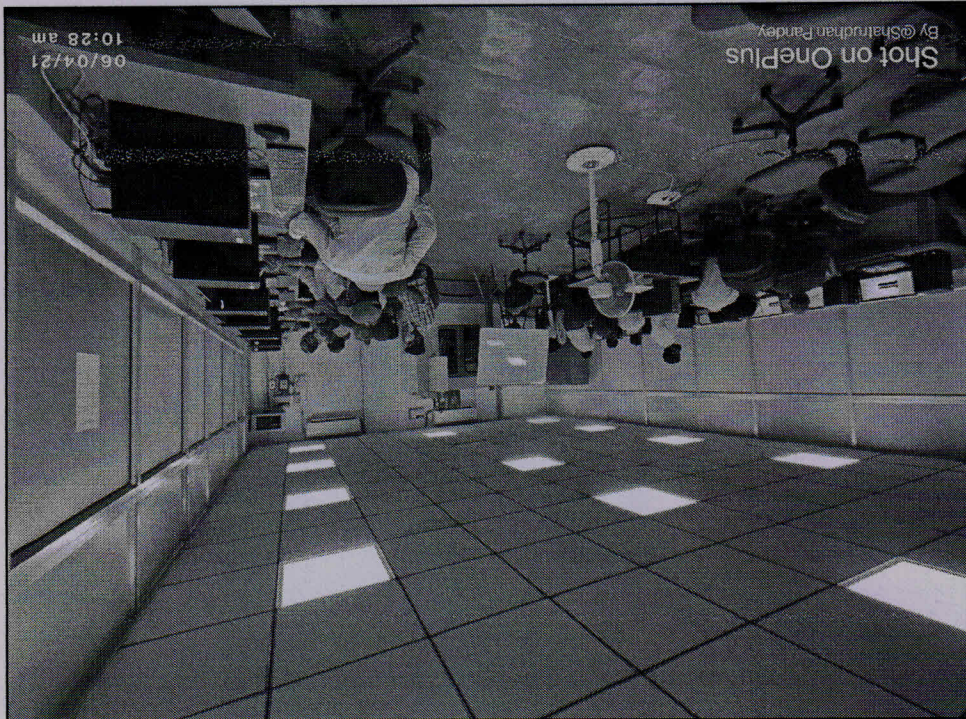
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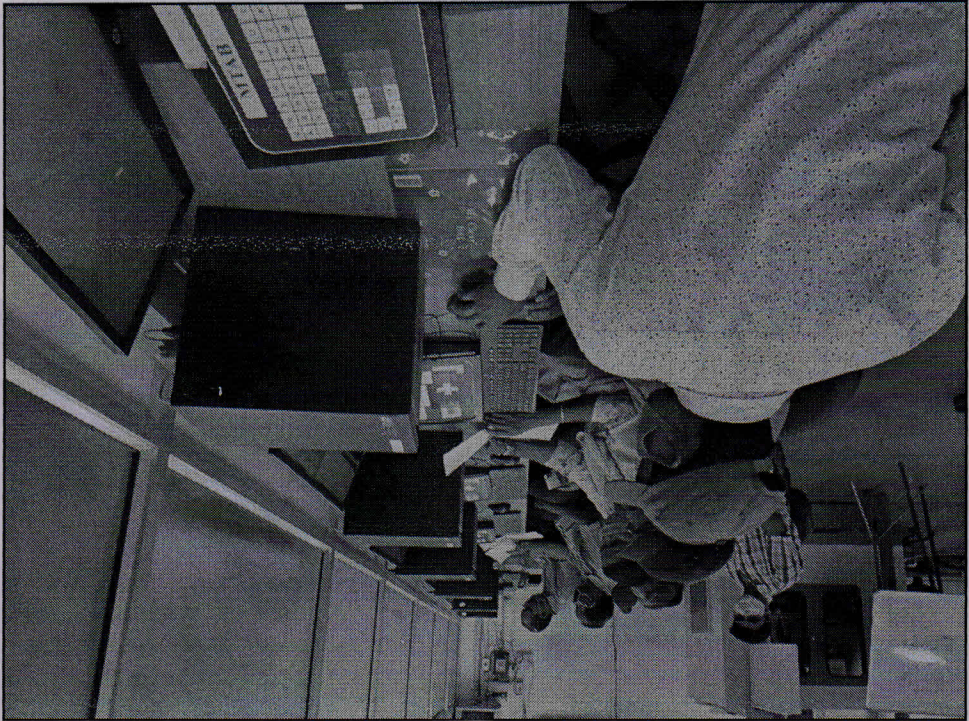
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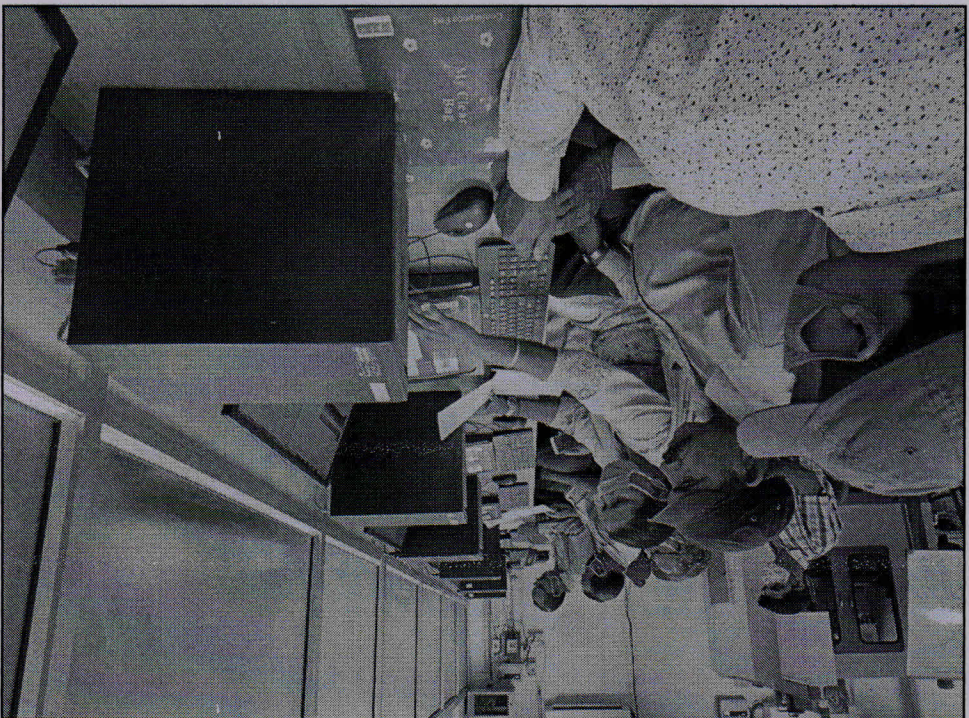
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