

### 1.3.4

## Supporting Documents- Electronics and Communication Engineering

1. **List of Students Undertaking Field Projects / Research Projects / Internship Program**
2. **Completion Certificates**
3. **Permission Letters / Copy of Project Report**



**List of students undertaking field Project/Research Project/Internship (Batch 2018-22)**

Sr no.	Program	University Roll no.	Name of the Student	Project Title	Place of Project
1	B.Tech ECE	1818675	Abid Hussain Malla	INDUSTRIAL ROBOTICS PRODUCT DESIGN AND DEVELOPMENT MECHATRONICS AND IOT ADADVANCED MANUFACTURING	CIIT IKGPTU-Kapurthala
2	B.Tech ECE	1818676	Aditi Thakur	INDUSTRIAL ROBOTICS PRODUCT DESIGN AND DEVELOPMENT MECHATRONICS AND IOT ADADVANCED MANUFACTURING	CIIT IKGPTU-Kapurthala
3	B.Tech ECE	1818677	Ankush	INDUSTRIAL ROBOTICS PRODUCT DESIGN AND DEVELOPMENT MECHATRONICS AND IOT ADADVANCED MANUFACTURING	CIIT IKGPTU-Kapurthala
4	B.Tech ECE	1818678	Faisal Abbas Dar	INDUSTRIAL ROBOTICS PRODUCT DESIGN AND DEVELOPMENT MECHATRONICS AND IOT ADADVANCED MANUFACTURING	CIIT IKGPTU-Kapurthala
5	B.Tech ECE	1818679	Jaskirat Singh	INDUSTRIAL ROBOTICS PRODUCT DESIGN AND DEVELOPMENT MECHATRONICS AND IOT ADADVANCED MANUFACTURING	CIIT IKGPTU-Kapurthala
6	B.Tech ECE	1818680	Kanishk Sharda	INDUSTRIAL ROBOTICS PRODUCT DESIGN AND DEVELOPMENT MECHATRONICS AND IOT ADADVANCED MANUFACTURING	CIIT IKGPTU-Kapurthala
7	B.Tech ECE	1818681	Kundan Singh	INDUSTRIAL ROBOTICS PRODUCT DESIGN AND DEVELOPMENT MECHATRONICS AND IOT ADADVANCED MANUFACTURING	CIIT IKGPTU-Kapurthala
8	B.Tech ECE	1818682	Nihal Goswami	INDUSTRIAL ROBOTICS PRODUCT DESIGN AND DEVELOPMENT MECHATRONICS AND IOT ADADVANCED MANUFACTURING	CIIT IKGPTU-Kapurthala
9	B.Tech ECE	1818685	Shivani chandrana	STUDY OF LCI DRIVE	Shavak Nanavati Technical Institute, Jamshedpur
10	B.Tech ECE	1818686	Vikash Kumar Singh	INDUSTRIAL ROBOTICS PRODUCT DESIGN AND DEVELOPMENT MECHATRONICS AND IOT ADADVANCED MANUFACTURING	CIIT IKGPTU-Kapurthala
11	B.Tech ECE	1818687	Vikram Kumar Ray	INDUSTRIAL ROBOTICS PRODUCT DESIGN AND DEVELOPMENT MECHATRONICS AND IOT ADADVANCED MANUFACTURING	CIIT IKGPTU-Kapurthala
12	B.Tech ECE	1801773	Aishwarya srivastava	INDUSTRIAL ROBOTICS PRODUCT DESIGN AND DEVELOPMENT MECHATRONICS AND IOT ADADVANCED MANUFACTURING	CIIT IKGPTU-Kapurthala
13	B.Tech ECE	1801775	Shweta Surbhi	INDUSTRIAL ROBOTICS PRODUCT DESIGN AND DEVELOPMENT MECHATRONICS AND IOT ADADVANCED MANUFACTURING	CIIT IKGPTU-Kapurthala
14	B.Tech ECE	1801776	Sunder Singh	INDUSTRIAL ROBOTICS PRODUCT DESIGN AND DEVELOPMENT MECHATRONICS AND IOT ADADVANCED MANUFACTURING	CIIT IKGPTU-Kapurthala
15	B.Tech LEET ECE	1916683	Rachit Kumar	INDUSTRIAL ROBOTICS PRODUCT DESIGN AND DEVELOPMENT MECHATRONICS AND IOT ADADVANCED MANUFACTURING	CIIT IKGPTU-Kapurthala
16	B.Tech LEET ECE	1916684	Raghav Vig	INDUSTRIAL ROBOTICS PRODUCT DESIGN AND DEVELOPMENT MECHATRONICS AND IOT ADADVANCED MANUFACTURING	CIIT IKGPTU-Kapurthala

Head  
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IK Gujral Punjab Technical University  
Main Campus, Kapurthala (Punjab)-144603

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# *Certificate of Participation*

THIS IS TO CERTIFY THAT  
**FAISAL ABBAS DAR**  
HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL TRAINING IN  
**INDUSTRIAL ROBOTICS  
PRODUCT DESIGN AND DEVELOPMENT  
MECHATRONICS AND IOT  
ADVANCED MANUFACTURING**

CONDUCTED AT CIIT IKGPTU-KAPURTHALA DURING 16-AUG-2021 TO 30-NOV-2021

*PV Kaulgud*

Pushkaraj Kaulgud  
Global Director - EESS  
Tata Technologies

TTL-21-22-00128  
Serial Number

20-01-2022  
Date

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Head  
Department of Electronics & Communication Engineering  
IKGPTU Punjab Technical University  
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# Certificate of Participation

THIS IS TO CERTIFY THAT  
**KUNDAN SINGH**  
HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL TRAINING IN  
**INDUSTRIAL ROBOTICS  
PRODUCT DESIGN AND DEVELOPMENT  
MECHATRONICS AND IOT  
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*PV Kaulgud*

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IK Gujral Punjab Technical University  
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# *Certificate of Participation*

THIS IS TO CERTIFY THAT  
**NIHAL GOSWAMI**  
HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL TRAINING IN  
**INDUSTRIAL ROBOTICS  
PRODUCT DESIGN AND DEVELOPMENT  
MECHATRONICS AND IOT  
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*P. Kaulgud*

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IKGPTU Punjab Technical University  
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# *Certificate of Participation*

THIS IS TO CERTIFY THAT

**SUNDER SINGH**

HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL TRAINING IN

**INDUSTRIAL ROBOTICS  
PRODUCT DESIGN AND DEVELOPMENT  
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Main Campus, Kapurthala (Punjab)-141003

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THIS IS TO CERTIFY THAT

**ANKUSH**

HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL TRAINING IN

**INDUSTRIAL ROBOTICS  
PRODUCT DESIGN AND DEVELOPMENT  
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ADVANCED MANUFACTURING**

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*P.V. Kaulgud*

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TTL-21-22-00127  
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*[Signature]*  
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Department of Electronics & Communication Engineering  
IKGPTU Punjab Technical University  
Main Campus, Kapurthala (Punjab)-141003

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# Certificate of Participation

THIS IS TO CERTIFY THAT

**ADITI THAKUR**

HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL TRAINING IN

**INDUSTRIAL ROBOTICS  
PRODUCT DESIGN AND DEVELOPMENT  
MECHATRONICS AND IOT  
ADVANCED MANUFACTURING**

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THIS IS TO CERTIFY THAT  
**VIKASH KUMAR SINGH**  
HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL TRAINING IN  
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THIS IS TO CERTIFY THAT  
**JASKIRAT SINGH**  
HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL TRAINING IN  
**INDUSTRIAL ROBOTICS  
PRODUCT DESIGN AND DEVELOPMENT  
MECHATRONICS AND IOT  
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IKGPTU Punjab Technical University  
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# *Certificate of Participation*

THIS IS TO CERTIFY THAT

**ABID HUSSAIN MALLA**

HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL TRAINING IN

**INDUSTRIAL ROBOTICS**

**PRODUCT DESIGN AND DEVELOPMENT**

**MECHATRONICS AND IOT**

**ADVANCED MANUFACTURING**

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Head  
Department of Electronics & Communication Engineering  
JK Gujral Punjab Technical University  
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# Certificate of Participation

THIS IS TO CERTIFY THAT

**RACHIT KUMAR**

HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL TRAINING IN

**INDUSTRIAL ROBOTICS  
PRODUCT DESIGN AND DEVELOPMENT  
MECHATRONICS AND IOT  
ADVANCED MANUFACTURING**

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*PV Kaulgud*

Pushkaraj Kaulgud  
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Department of Electronics & Communication Engineering  
IKG Punjab Technical University  
Main Campus, Kapurthala (Punjab)-141003

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THIS IS TO CERTIFY THAT

**AISHWARYA SRIVASTAVA**

HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL TRAINING IN

**INDUSTRIAL ROBOTICS**

**PRODUCT DESIGN AND DEVELOPMENT**

**MECHATRONICS AND IOT**

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*P.V. Kaulgud*

Pushkaraj Kaulgud  
Global Director - EESS  
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Serial Number

20-01-2022  
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Head  
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IK Gujrat Punjab Technical University  
Main Campus, Kapurthala (Punjab)-141003

SHAVAK NANAVATI TECHNICAL INSTITUTE

An ISO 9001:2015 Organization

## CERTIFICATE

This is to certify that Shivani Chandrana (Reg. No. VT20213245)  
Student of I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY  
has undergone Vocational Training Program at Tata Steel Ltd., Jamshedpur from  
15-August,2021 to 14-December,2021. The details of the programme are as under:

Department Covered	MILLS & UTILITIES ELECTRICAL MAINTENANCE
Project Title	STUDY OF LCI DRIVE

He/She has successfully completed the Programme

*Ammi Kumari*

Place : **Jamshedpur**  
Date : **22-01-2022**  
Ref No : **VT20213245**

Coordinator  
Vocational Training  
Tata Steel Ltd

SHAVAK NANAVATI TECHNICAL INSTITUTE, TATA STEEL LTD, N-ROAD, BISTUPUR, JAMSHEDPUR – 831001,  
Telephone: 91-657-2320243, Fax: 91-657-2320243, E-mail- snit.office@tatasteel.com

  
  
Head  
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Main Campus, Kapurthala (Punjab)-141003

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# Certificate of Participation

THIS IS TO CERTIFY THAT

**KANISHK SHARDA**

HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL TRAINING IN

**INDUSTRIAL ROBOTICS  
PRODUCT DESIGN AND DEVELOPMENT  
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ADVANCED MANUFACTURING**

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*P.V. Kaulgud*

**Pushkaraj Kaulgud**  
Global Director - EESS  
Tata Technologies

TTL-21-22-00130  
Serial Number

20-01-2022  
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Head  
Department of Electronics & Communication Engineering  
IKG Gujral Punjab Technical University  
Main Campus, Kapurthala (Punjab)-141003

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# Certificate of Participation

THIS IS TO CERTIFY THAT

**VIKRAM KUMAR RAY**

HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL TRAINING IN

INDUSTRIAL ROBOTICS  
PRODUCT DESIGN AND DEVELOPMENT  
MECHATRONICS AND IOT  
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CONDUCTED AT CMIT IKGPTU-KAPURTHALA DURING 16-AUG-2021 TO 30-NOV-2021

*P. K. Kaul*

Poojkaraj Kauljeet  
Global Director - EESS  
Tata Technologies

TTL-21-22-00134  
Serial Number

28-01-2022  
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Head  
Department of Electrical & Electronic Engineering  
JK Group of Institutions Technical University  
JK Group of Institutions (JKGI)  
JK Campus, Kapurthala (Punjab-141005)



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THIS IS TO CERTIFY THAT  
**SHWETA SURBHI**  
HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL TRAINING IN  
**INDUSTRIAL ROBOTICS  
PRODUCT DESIGN AND DEVELOPMENT  
MECHATRONICS AND IOT  
ADVANCED MANUFACTURING**

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*P.V. Kaulgud*

**Pushkaraj Kaulgud**  
Global Director - EESS  
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**TTL-21-22-00123**  
Serial Number

**20-01-2022**  
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Department of Electronics & Communication Engineering  
IK Gujral Punjab Technical University  
Main Campus, Kapurthala (Punjab)-144603

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# *Certificate of Participation*

THIS IS TO CERTIFY THAT

**RAGHAV VIG**

HAS SUCCESSFULLY COMPLETED THE INDUSTRIAL TRAINING IN

**INDUSTRIAL ROBOTICS**

**PRODUCT DESIGN AND DEVELOPMENT**

**MECHATRONICS AND IOT**

**ADVANCED MANUFACTURING**

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*P.V. Kaulgud*

**Pushkaraj Kaulgud**  
Global Director - EESS  
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IK Gujral Punjab Technical University  
Main Campus, Kapurthala (Punjab)-144603


Department of ECE  
Ref. No.: 1529 Date: 06/04/22  
Sent to : .....

**I.K.Gujral Punjab Technical University**  
**Department of Electronics and Communication Engineering**  
**(Main Campus)**

**Subject: Approval for the Industrial Training as per the request of Students.**

Sr no.	Program	University Roll no.	Name of the Student	Place of Project
1	B.Tech ECE	1818675	Abid Hussain Malla	CIIT IKGPTU- Kapurthala
2	B.Tech ECE	1818676	Aditi Thakur	CIIT IKGPTU- Kapurthala
3	B.Tech ECE	1818677	Ankush	CIIT IKGPTU- Kapurthala
4	B.Tech ECE	1818678	Faisal Abbas Dar	CIIT IKGPTU- Kapurthala
5	B.Tech ECE	1818679	Jaskirat Singh	CIIT IKGPTU- Kapurthala
6	B.Tech ECE	1818680	Kanishk Sharda	CIIT IKGPTU- Kapurthala
7	B.Tech ECE	1818681	Kundan Singh	CIIT IKGPTU- Kapurthala
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16	B.Tech LEET ECE	1916684	Raghav Vig	CIIT IKGPTU- Kapurthala

  
Coordinator (T&P-ECE)

  
HOD(ECE)  
Department of Electronics & Communication Engineering  
IK Gujral Punjab Technical University  
Main Campus, Kapurthala (Punjab)-144603

  
Head  
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