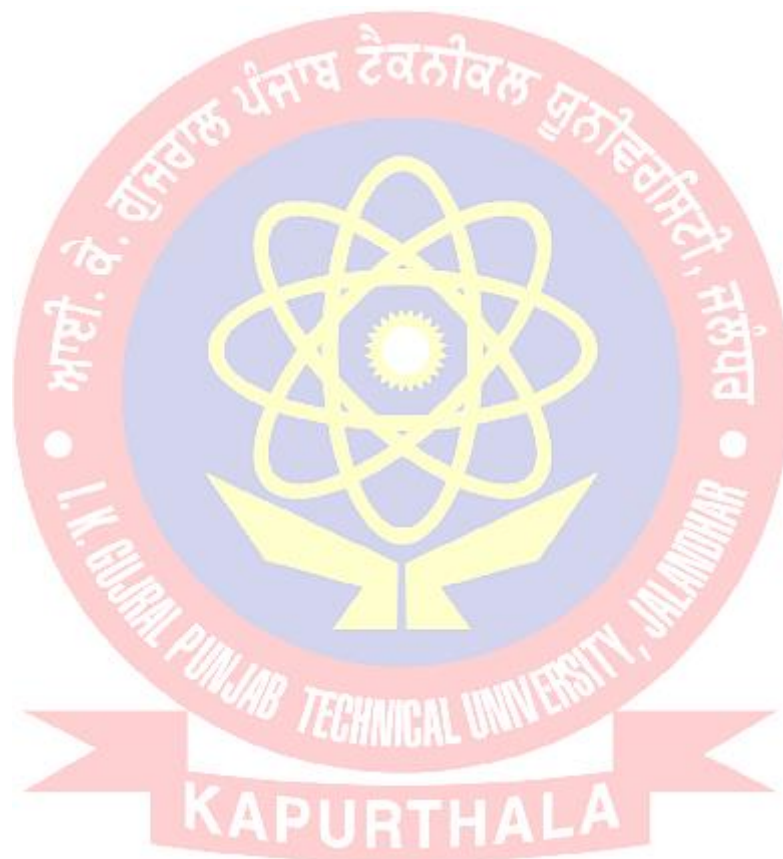


6.3.4

Teachers undergoing online / face to face Faculty Development Programmes





Certificate

This is to certify that **DR. VIVEK AGGARWAL** has successfully completed the AICTE-ISTE approved Orientation/Refresher Programme on **“Advance Materials and Processes for Sustainable Intelligent Manufacturing”** held during **21.12.2020** to **26.12.2020** organized by **DAV Institute of Engineering and Technology, Jalandhar, Punjab.**

Director (FDC)
AICTE, ND

Executive Secretary
ISTE, ND

Program Coordinator
DAVIET, Jalandhar

Principal
DAVIET, Jalandhar

Department of Mechanical Engineering
I.K.G. P.T.U. Jalandhar Campus
Kapurdiala



3787/2020

**National Institute of
Technical Teachers Training and Research
Chandigarh**

MINISTRY OF HUMAN RESOURCE DEVELOPMENT, GOVERNMENT OF INDIA

Certificate

This is to certify that

Dr. Vivek Aggarwal

I.K. Gujral Punjab Technical University, Kapurthala (Punjab)

Participated in the AICTE recognized Short Term Course on

Fostering Creativity and Innovation in Entrepreneurship

Conducted by

**ENTREPRENEURSHIP DEVELOPMENT AND
INDUSTRIAL COORDINATION DEPARTMENT**

From

16.12.2019 to 21.12.2019

at

I.K. Gujral Punjab Technical University, Kapurthala (Punjab)



[Signature]
Coordinator

[Signature]
Head of Department

[Signature]
Director

Reference No. HRDC/OP-107

Serial No 000443

UNIVERSITY GRANTS COMMISSION
HUMAN RESOURCE DEVELOPMENT CENTRE
GURU NANAK DEV UNIVERSITY, AMRITSAR



UGC- SPONSORED ORIENTATION PROGRAMME

This is to certify that [✓]Dr./Mr./Ms. Vivek Aggarwal

Designation Assistant Professor of Deptt. of Mechanical Engg., I.K.G.P.T.U., Kapurthala
affiliated to _____
participated in the Orientation Programme-107

from 13/11/2018 to 10/12/2018 and obtained Grade A.

Amritsar
Dated 10/12/2018

Am N Singh
Director

[Signature]
Coordinator

[Signature]
Registrar/Vice-Chancellor

[Signature]

Department of Mechanical Engineering
I.K.G. P.T.U. - Campus
Kapurthala

IKGPTU/ECE/FDP/ 809



**One-Week National Level AICTE-IKGPTU Sponsored
FACULTY DEVELOPMENT PROGRAMME**

DR. VIVEK AGGARWAL, IKGPTU, KAPURTHALA

has completed One-Week National Level Faculty Development programme on

**MODERN TOOLS AND TECHNIQUES FOR
TEACHERS AND RESEARCHERS**

organized by

Department of Electronics & Communication Engineering

at

I.K. Gujral Punjab Technical University, Kapurthala

during November 18-22, 2019

Dr Satvir Singh
FDP Coordinator



Dr Y S Brar
Campus Director

Department of Mechanical Engineering
I.K.G. P.T.U. Main Campus
Kapurthala

No: ATAL/2019/110517



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
Nelson Mandela Marg, Vasant Kunj, New Delhi - 110 070

AICTE Training And Learning (ATAL) Academy, Jaipur

Certificate

This to be certified that VIVEK AGGARWAL, participated & completed successfully AICTE Training And Learning (ATAL) Academy FDP on "Internet of Things (IoT)" from 02-12-2019 to 06-12-2019 at I K Gujral Punjab Technical University, Kapurthala.

[Signature]

Director ATAL Academies



[Signature]

Coordinator

IKGPTU/ME/FDP/3280



One-Week National Level AICTE-IKGPTU Sponsored
FACULTY DEVELOPMENT PROGRAM

DR VIVEK AGGARWAL
I K GUJRAL PUNJAB TECHNICAL UNIVERSITY
JALANDHAR

has completed One-Week National Level Faculty Development program
on

**SURFACE ENGINEERING AND
MATERIALS CHARACTERISATION**

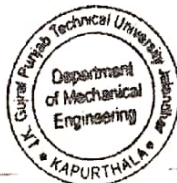
organized by

Department Of Mechanical Engineering

I.K. Gujral Punjab Technical University Jalandhar, Kapurthala

during December 09-13, 2019

Dr. Manoj Mittal
FDP Coordinator



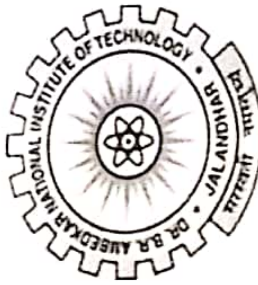
Dr Y S Brar
Director

Department of Mechanical Engineering
I.K.G. P.T.U. Main Campus
Kapurthala

Department of Industrial & Production Engineering

Dr. B. R. Ambedkar National Institute of Technology, Jalandhar

(An Institute of National Importance – Under MHRD, Govt. of India)



Certificate of Participation

awarded to

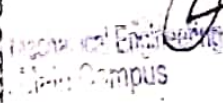
Dr Vivek Aggarwal

from

I K Gujral Punjab Technical University, Main Campus, Kapurthala

for Proactively Participating in the One Week Online Short Term Course on

“Additive Manufacturing with Interdisciplinary Applications”
organized at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, India from
29 June - 03 July 2020 under TEQIP-III.



[Signature]

Dr. Narendra Kumar
Coordinator

[Signature]

Prof. R. K. Garg
Convener

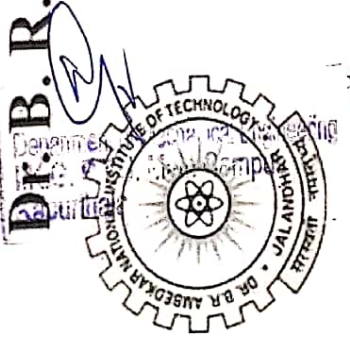
[Signature]

Dr. Ravi Pratap Singh
Coordinator

Department of Industrial & Production Engineering

Dr. B. R. Ambedkar National Institute of Technology, Jalandhar

(An Institute of National Importance – Under MHRD, Govt. of India)



Certificate of Participation

awarded to

Dr Vivek Aggarwal

from

I K Gujral Punjab Technical University, Main Campus, Kapurthala

for Proactively Participating in the One Week Online Short Term Course on
“Additive Manufacturing with Interdisciplinary Applications”
organized at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, India from
29 June - 03 July 2020 under TEQIP-III.

Dr. Narendra Kumar
Coordinator

Prof. R. K. Garg
Convener

Dr. Ravi Pratap Singh
Coordinator

TEQIP-3

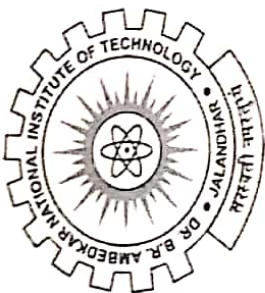
Technical Education Quality Improvement Programme

Certificate No. e-STC/NIT./IPE/ISMOC20-448

Department of Industrial & Production Engineering

Dr. B. R. Ambedkar National Institute of Technology, Jalandhar

(An Institute of National Importance – Under MHRD, Govt. of India)



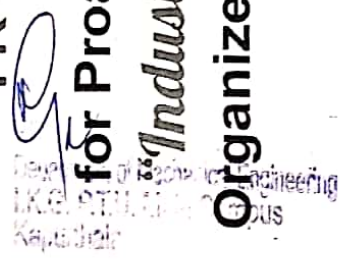
Certificate of Participation

awarded to

Dr Vivek Aggarwal

from

I K Gujral Punjab Technical University, Main Campus, Kapurthala
for Proactively Participating in the One Week Online Short Term Course on
Industry 4.0 and Smart Manufacturing: Opportunities and Challenges
Organized at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar,
India from 20 - 24 July, 2020 under TEQIP-3.

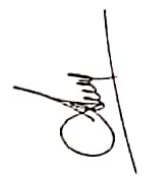




(Dr. Narendra Kumar)
Coordinator



(Dr. Dilbagh Panchal)
Convener



(Dr. Aviral Mishra)
Coordinator

Dr. VIVEK AGGARWAL
I.K.G. P.T.U. Main Campus
Kapurthala



भारतीय प्रौद्योगिकी संस्थान रुड़की
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
गुण अभिवृद्धि कार्यक्रम
QUALITY IMPROVEMENT PROGRAMME

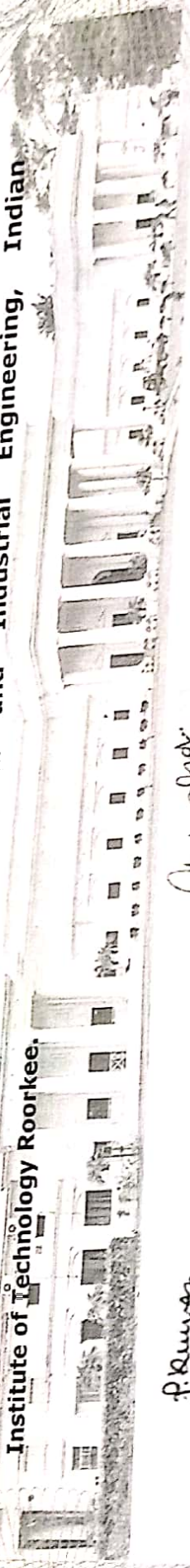


QIP/2020/167



Certificate

This is to certify that **Dr. VIVEK AGGARWAL, I. K. Gujral Punjab Technical University, Main Campus, Kapurthala, Punjab** participated in AICTE sponsored Quality Improvement Programme (QIP) short-term course on "Quality Management & Business Process Reengineering" organized via online mode during **07-12-2020** to **18-12-2020** by the **Department of Mechanical and Industrial Engineering, Indian Institute of Technology Roorkee.**



P. Kumar
Prof. Pradeep Kumar
Course Coordinator

Akshay Dvivedi
Prof. Akshay Dvivedi
Course Co-coordinator

Vimal
Vimal Chandra Srivastava
Coordinator, QIP

Reference No. HRDC/RC: 32

e-certificate

Date 03/11/2020



*University Grants Commission
Human Resource Development Centre (HRDC)*

GURU NANAK DEV UNIVERSITY, AMRITSAR

UGC-Sponsored Online Refresher Course

This is to certify that *Dr./Mr./Ms.* Vivek Aggarwal

Designation Asstt. Professor (Mech. Engg.) *at* IK Gujral Punjab Technical University Main Campus, Kapurthala, Punjab
affiliated to IK Gujral Punjab Technical University

participated in the Online Refresher Course in Information Technology, Awareness & Applications (ID) conducted

from 21-10-2020 to 03-11-2020 and obtained grade A+.

Adarsh Pal Vig

Prof. (Dr.) Adarsh Pal Vig
Director

Rajbir Bhatti

Dr. Rajbir Bhatti
Deputy Director

Shalini Bahel

Dr. Shalini Bahel
Co-ordinator

Jyoteesh Malhotra

Dr. Jyoteesh Malhotra
Co-ordinator

Jaspal Singh Sandhu

Prof. (Dr.) Jaspal Singh Sandhu
Vice Chancellor

IKGPTU
2020

Sr. No. 44

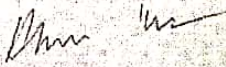
UGC-Human Resource Development Centre (HRDC)
Panjab University, Chandigarh




UGC-SPONSORED ORIENTATION PROGRAMME
CERTIFICATE OF PARTICIPATION

This is to certified that Tarun Goyal, Assistant Professor
from I.K. Gujral Punjab Technical Uni., Jalandhar affiliated to I.K. Gujral Punjab Technical University, Jalandhar
participated in the 120th Orientation Programme from 13.11.2018 to 10.12.2018
organised by the UGC-Human Resource Development Centre, Panjab University, Chandigarh and obtained
grade A


.....
COURSE COORDINATOR


.....
HONORARY DIRECTOR

.....
VICE-CHANCELLOR


Department of Mechanical Engineering
I.K.G. P.T.U. Main Campus
Kapurthala



Ref. No. SOMME/FDP/025



Faculty Development Program
on
"Enhancing Research Capabilities"
1st to 5th June, 2020


Certificate of Participation

It is certified that **Dr. TARUN GOYAL, Assistant Professor, Mechanical Engineering, IKGPTU Hoshiarpur Campus, Hoshiarpur, Punjab-146001** has successfully attended AICTE & ISTE approved One Week Faculty Development Program on "Enhancing Research Capabilities" from 1st to 5th June, 2020, organized by **Society of Materials and Mechanical Engineers (SOMME)**.

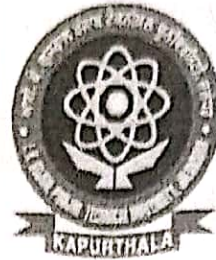
Place: BATHINDA
Date: 06-06-2020


Er. Yadwinder Pal Sharma
(Organising Secretary)


Dr. Hazoor Singh Sidhu
(Convener & General Secretary SOMME)


Department of Mechanical Engineering
IKGPTU Hoshiarpur Campus
Kapurthala

IKGPTU/ECE/FDP/790



**One-Week National Level AICTE-IKGPTU Sponsored
FACULTY DEVELOPMENT PROGRAMME**

DR. TARUN GOYAL, IKGPTU, HOSHIARPUR

has completed One-Week National Level Faculty Development programme on

**MODERN TOOLS AND TECHNIQUES FOR
TEACHERS AND RESEARCHERS**

organized by

Department of Electronics & Communication Engineering

at

I.K. Gujral Punjab Technical University, Kapurthala

during November 18-22, 2019

Dr Salvir Singh
FDP Coordinator



Dr Y S Brar
Campus Director



Certificate No: ICT-24876/20

National Institute of
Technical Teachers Training and Research
Chandigarh

MINISTRY OF HUMAN RESOURCE DEVELOPMENT, GOVERNMENT OF INDIA

Certificate

This is to certify that

TARUN GOYAL

**IKGPTU HOSHIARPUR CAMPUS, HOSHIARPUR
PUNJAB**

Participated in the Online AICTE Recognized Faculty Development Programme

on

Accreditation of Engineering Programs

from

29/06/2020 to 03/07/2020 (Except)

Organized by

Mechanical Engineering Department

NITTTR, Chandigarh



R. Goyal
Coordinator

[Signature]
Director
Department of Mechanical Engineering
IKGPTU, Hoshiarpur Campus
Kapurthala

PUNJAB ENGINEERING COLLEGE
(Deemed to be University)
CHANDIGARH

Certificate ID: web/scm/12

Department of Production & Industrial Engineering
TEQIP III Sponsored One Week Webinar/ Online F.D.P

On
Supply Chain Management: Tools and Techniques
06-07-2020 to 10-07-2020

Certificate of Participation

This certificate is awarded to
TARUN GOYAL

Registered E-mail: tarungoyal.ikgptu@gmail.com
IKGPTU HOSHIARPUR CAMPUS, JALANDHAR ROAD, HOSHIARPUR
For attending the Webinar/ Online F.D.P

H.O.D

Coordinator

Coordinator

Coordinator

NOTE: The certificate can be verified from P&IE Department PEC Chandigarh

Department of Production & Industrial Engineering
IKGPTU Hoshiarpur Campus
Kapurthala



TEQIP III

Sponsored
Five days Online Faculty Development Program
on



Faculty Development for New Tomorrow
Readiness for teaching and learning post COVID-19

Certificate of Participation

from

This is to certify that Dr./Mr/Ms./Mrs. **Tarun Goyal**, ASSISTANT PROFESSOR
IKGPTU, KAPURTHALA, Punjab has participated in Five days Online Faculty Development Program on
Faculty Development for New Tomorrow: Readiness for teaching and learning post COVID-19 sponsored
by TEQIP-III and jointly organized by Department of Electrical Engineering, NIT, Uttarakhand and
Department of Electrical & Instrumentation Engineering, SLIET, Longowal, Punjab
during 24th-28th July, 2020.

Dr. Manpreet Singh Manna
Assoc. Prof., SLIET Longowal
(Coordinator)

Dr. Mahiraj Singh Rawat
Head, EE, NIT Uttarakhand
(Convener)

Dr. Sanjay Marwaha
Head, EIE, SLIET Longowal
(Convener)

Department of Electrical Engineering
IKGPTU, Main Campus
Kapurthala



UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
PUNJABI UNIVERSITY, PATIALA
(Established under Punjab Act No.35 of 1961)



Ref. HRDC/PUP/ 4335

Sr. No. 7091

UGC-SPONSORED REFRESHER COURSE

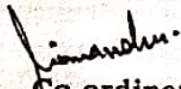
This is to certify that Dr. Amoljit Singh Gill

Assistant Professor in Mechanical Engineering, I. K. Gujral Punjab Technical University Jalandhar, Main Campus,
Kapurthala, Punjab

affiliated to _____

Participated in the Refresher Course: Information Communication Technology (Inter Disciplinary Course)


from 17-02-2020 to 29-02-2020 and obtained Grade 'A'


Co-ordinator


Director


Vice-Chancellor

Patiala : 29-02-2020


Department of Mechanical Engineering
I.K.G. P.T.U. Main Campus
Kapurthala



Rajiv Gandhi National University of Law, Punjab

[Accredited with 'A' Grade by NAAC]



Certificate

This certificate is awarded to

.....*Amoljit Singh Gill*.....

for successfully completing Two-Day National Workshop on

"IPR LAW IN PRACTICE"

organized by

Rajiv Gandhi National University of Law, Punjab

in collaboration with

Think India

from 1st March – 2nd March 2019 at RGNUL Campus, Sidhuwal, Patiala

PROFESSOR (DR.) NARESH KUMAR VATS
Registrar, RGNUL, Punjab

DR. GEETIKA WALIA
Faculty Coordinator

PROFESSOR (DR.) PARAMJIT S. JASWAL
Vice-Chancellor, RGNUL, Punjab

Department of Mechanical Engineering
I.K.G. P.T.O. Sidhuwal Campus,
Kapurdhala

IKGPTU/ECE/FDP/_802



**One-Week National Level AICTE-IKGPTU Sponsored
FACULTY DEVELOPMENT PROGRAMME**

DR. AMOLJIT SINGH GILL, IKGPTU, KAPURTHALA

has completed One-Week National Level Faculty Development programme on

**MODERN TOOLS AND TECHNIQUES FOR
TEACHERS AND RESEARCHERS**

organized by

Department of Electronics & Communication Engineering

at

I.K. Gujral Punjab Technical University, Kapurthala

during November 18-22, 2019

Dr Satvir Singh
FDP Coordinator



Dr Y S Brar
Campus Director

IKGPTU
Kapurthala

IKGPTU/ME/FDP/3280



One-Week National Level AICTE-IKGPTU Sponsored
FACULTY DEVELOPMENT PROGRAM

AMOLJIT SINGH GILL

IK GUJRAL PUNJAB TECHNICAL UNIVERSITY
JALANDHAR

has completed One-Week National Level Faculty Development program
on

**SURFACE ENGINEERING AND
MATERIALS CHARACTERISATION**

organized by

Department Of Mechanical Engineering

I.K. Gujral Punjab Technical University Jalandhar, Kapurthala

during December 09-13, 2019

Dr. Manoj Mittal
FDP Coordinator


Dr Y S Brar
Director



Panjab University
Chandigarh

Ministry of Human Resource Development
Government of India



Gian
GLOBAL INITIATIVE FOR ACADEMIC NETWORKS

GLOBAL INITIATIVE FOR ACADEMIC NETWORKS

International Workshop

Certificate of Participation

This is to certify that Prof./Dr./Mr./Ms. Amoljit Singh Gill
from IKGPTU, Kapurthala, Panjab participated in the course

**Communicating Scientific Research:
Presentations, Papers, Posters, and proposals**

delivered by Prof. Michael Alley, Penn State University, USA

from

November 11-15, 2019

Prof. Surlinder Kumar Mehta
Local Coordinator

Prof. Manoj K. Arora
Course Coordinator

Dr. Deepak Salunke
Course Coordinator

Department of Mechanical Engineering
I.K.G. P.T.U. Main Campus
Kapurthala



Punjab Institute of Technical Teachers Training & Research (PITTTR), Jalandhar

(Academic Staff College of IK Gujral Punjab Technical University)

IKG-PTU/PITTTR/REG/ 2371


Date: 13-01-2017


Certificate

This is certified that **Amoljit Singh Gill** of IKG, PTU Main Campus has attended one week Faculty Development Programme on the title "Modelling and Simulation of Engineering Systems" held at IK Gujral Punjab Technical University, Jalandhar (Pb.) on Jan 09-13, 2017.


Co-coordinator
(Dr. Rakesh Goyal)


Coordinator
(Dr. Jaspreet Singh Chahal)


Chief-Coordinator
(Dr. B.P. Garg)


Department of Mechanical Engineering
IKG, PTU, Main Campus
Kapurthala

Sr. No. 2

UGC-Human Resource Development Centre (HRDC)
Panjab University, Chandigarh



UGC-SPONSORED ORIENTATION PROGRAMME
CERTIFICATE OF PARTICIPATION

This is to certified that... Arnoljit Singh Gill, Assistant Professor (Mechanical Engg.)
from I.K. Gujral Punjab Technical University.....affiliated to I.K.G. Punjab Technical University, Jalandhar
participated in the 120th Orientation Programme from 13.11.2018..... to 10.12.2018
organised by the UGC-Human Resource Development Centre, Panjab University, Chandigarh and obtained
grade A.....

[Signature]

.....
COURSE COORDINATOR

[Signature]

.....
HONORARY DIRECTOR

.....
VICE-CHANCELLOR

[Signature]

Department of Mechanical Engineering
I.K.G. P.T.U. Main Campus
Kapurthala



SNDT Women's University, Mumbai

Teaching Learning Centre



Randit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT-MHRD)

Department of Educational Technology

Sr. No: D10.10

Certificate of Participation

This is to certify that

Dr. Amoljit Singh Gill

has actively participated in the National Workshop on "Learning Management System: Moodle" from July 27 to August 2, 2020 (One-week Online Full-time).

The participant has attended live sessions, cleared quizzes and has practiced extensively in Moodle LMS by adding resources and activities related to own subject of teaching.

Dr. Jayashree Shinde

Director, Teaching-Learning Centre

18.0 ix All short-term and long-duration capacity-building programmes for teachers faculty ranging from one week to one month as well as seminars, workshops in different pedagogic and discipline-specific areas being conducted by centres such as Schools of Education (SoEs), Teaching Learning Centres (TLCs), Faculty Development Centres (FDCs), Centres for Excellence in Science and Mathematics (CESMEs), Centres for Academic Leadership and Education Management (CALEMs) under the PMMMNTT scheme shall be taken into consideration for fulfilment of the requirements as laid down in Career Advancement Scheme of these Regulations.

THE GAZETTE OF INDIA: EXTRAORDINARY [PART III—SEC. 4] Pg. 99 https://www.ugc.ac.in/pdf/news/4033931/UGC-Regulation_min_Qualification_Jul2018.pdf

Department of Medical Engineering
I.K.G. P.T. Institute Campus
Kapurthala

No: ATAL/2019/880295



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
Nelson Mandela Marg, Vasant Kunj, New Delhi - 110 070

AICTE Training And Learning (ATAL) Academy, Jaipur

Certificate

This to be certified that AMOLJIT SINGH GILL participated & completed successfully AICTE Training And Learning (ATAL) Academy FDP on "Internet of Things (IoT)" from 02-12-2019 to 06-12-2019 at I K Gujral Punjab Technical University, Kapurthala.

Director ATAL Academies



Coordinator

Department of Mechanical Engineering
I.K.G. P.T.U. Main Campus
Kapurthala



Certificate No: 3553/20

National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF HUMAN RESOURCE DEVELOPMENT, GOVERNMENT OF INDIA

Certificate



This is to certify that

AMOLJIT SINGH GILL

**I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR, MAIN
CAMPUS, KAPURTHALA
PUNJAB**

Participated in the AICTE Recognized Faculty Development Programme

on

Recent Advances in Nanostructured Materials

Conducted by

Applied Science Department

from

13/01/2020 to 17/01/2020 (One Week)

at

IKG PTU, Jalandhar, Kapurthala



Coordinator

Head of Department

Director

**Area of Technical Engineering
IKG PTU, Main Campus
Kapurthala**



P.T.U.

I. K. Gujral Punjab Technical University

Serial No. 144

ONE DAY WORKSHOP

on

"Process of NAAC Accreditation"

July 26th, 2017

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR
Main Campus Kapurthala

Department of Mechanical Engineering
Main Campus
Kapurthala

Certificate of Participation

This is to certify that Dr. Manoj Mittal Assistant Professor
from Department Mechanical Engineering has
participated in the Workshop on July 26th, 2017 at I. K. Gujral Punjab Technical University
organised by Department of Research and Development.

Registrar

Dean R & D



**Punjab Institute of Technical Teachers
Training & Research (PITTTTR), Jalandhar**

(Academic Staff College of IK Gujral Punjab Technical University)

IKG-PTU/PITTTTR/REG/ 2377

Date: 13-01-2017

Certificate

This is certified that **Manoj Mittal of IKG, PTU Main Campus** has attended one week Faculty Development Programme on the title “**Modelling and Simulation of Engineering Systems**” held at **IK Gujral Punjab Technical University, Jalandhar (Pb.)** on **Jan 09-13, 2017.**


Co-coordinator
(Dr. Rakesh Goyal)


Coordinator
(Dr. Jaspreet Singh Chahal)


Chief-Coordinator
(Dr. B.P. Garg)



Department of Mechanical Engineering
IKG, PTU, Main Campus
Kapurthala

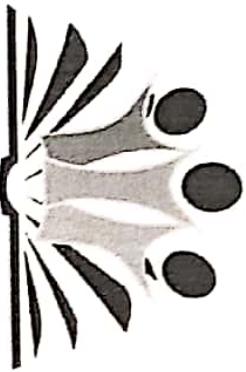
I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

Certificate of Training

Conferred on

Dr. Manoj Mittal

for successfully completing



"A Tryst with Learning"

A Two-day Leadership Development Program for
Educationalists and Administrators
on 8 and 9 June, 2017

Course Director

A handwritten signature in blue ink.

Asit Ghosh

Master Trainer & Success Leadership Coach
Asit Ghosh Institute of Leadership & Excellence

A handwritten signature in blue ink.

Department of Engineering
I.K. Gujral Punjab Technical University
Jalandhar



Program Director

A handwritten signature in blue ink.

Dr. S.K. Mishra

Head of Institute
I.K. Gujral Punjab Technical University, Jalandhar



National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF HUMAN RESOURCE DEVELOPMENT, GOVERNMENT OF INDIA

Certificate

This is to certify that

NEEL KANTH GROVER

**I K G PUNJAB TECHNICAL UNIVERSITY, KAPURTHALA
PUNJAB**

Participated in the AICTE Recognized Faculty Development Programme

on

Recent Advances in Nanostructured Materials

Conducted by

Applied Science Department

from

13-01-20 to 17-01-20 (One Week)

at

IKG PTU, Jalandhar, Kapurthala

[Handwritten Signature]
Department of Mechanical Engineering
I.K.G. PTU, Kapurthala Campus
Kapurthala



[Handwritten Signature]
Coordinator

[Handwritten Signature]
Head of Department

[Handwritten Signature]
Director

Department of Industrial & Production Engineering

Dr. B. R. Ambedkar National Institute of Technology, Jalandhar

(An Institute of National Importance – Under MHRD, Govt. of India)



Certificate of Participation

awarded to

Dr Amit bansal

from

IK Gujral Punjab Technical University, Main campus Kapurthala.

for Proactively Participating in the One Week Online Short Term Course on
“Additive Manufacturing with Interdisciplinary Applications”
organized at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, India from
29 June - 03 July 2020 under TEQIP-III.

Department of Industrial and Production Engineering
IKGPTU, Main Campus
Kapurthala

Dr. Narendra Kumar
Coordinator

Prof. R. K. Garg
Convener

Dr. Ravi Pratap Singh
Coordinator

TEQIP-3

Technical Education Quality Improvement Programme

Certificate No. e-STC/NIT/J/PE/SCMCS2020-052

Department of Industrial & Production Engineering

Dr. B. R. Ambedkar National Institute of Technology, Jalandhar

(An Institute of National Importance – Under MHRD, Govt. of India)



Certificate of Participation

awarded to

Amit Bansal

from

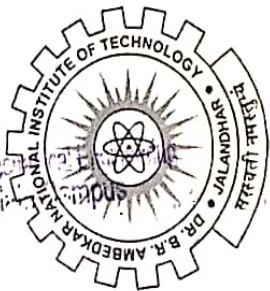
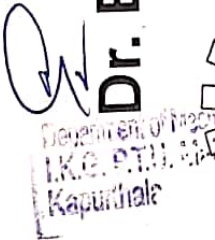
IK Gujral Punjab Technical University

for Proactively Participating in the One Week Online Short Term Course on

“Supply Chain Management: Challenges and Strategies”

Organized at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar,

India from 13- 17 July, 2020 under TEQIP-3.



(Prof. Anish Sachdeva)
Coordinator

(Dr. Dilbagh Panchal)
Convener

(Dr. Mohit Tyagi)
Coordinator



**UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
PUNJABI UNIVERSITY, PATIALA**
(Established under Punjab Act No.36 of 1961)



Ref. HRDC/PUP/4142

Sr No. 5005

UGC-SPONSORED REFRESHER COURSE

This is to certify that Dr. Davinder Kumar Grewal

Assistant Professor in Mechanical Engineering, I K Gujral Punjab Technical University Jalandhar, Kapurthala, Punjab

[Signature]

Department of Mechanical Engineering
I.K.G. P.T.U. Jalandhar Campus
Kapurthala

affiliated to _____

Participated in the Refresher Course: Research Methodology in Mechanical Engineering

from 02-12-2019 to 14-12-2019 and obtained Grade 'A'

[Signature]
Co-ordinator

[Signature]
Director

[Signature]
Vice-Chancellor

Patiala: 14-12-2019

IK GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR

Department of Mathematical Sciences

ONE WEEK NCM TEACHER'S ENRICHMENT WORKSHOP ON
"COMPUTATIONAL METHODS FOR SOLVING DIFFERENTIAL EQUATIONS"

FUNDED BY



CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Mrs/Ms/Dr. *DEEPAK K. GOYAL* of
..... *IK GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR* has participated in NCM
Teacher's Enrichment Workshop on "Computational Methods for Solving Differential Equations"
held at I. K. Gujral Punjab Technical University, Jalandhar during December 25-30, 2019.

M. Goyal
Dr. Megha Goyal
Convener

A. Arora
Dr. Ashish Arora
Convener

S. K. Tomar
Prof. S. K. Tomar
Academic Convener

IKGPTU, Jalandhar
Kapurthala

Dr Y S Brar
Campus Director



Dr Satvir Singh
FDP Coordinator

I.K. Gujral Punjab Technical University, Kapurthala
during November 18-22, 2019

at
Department of Electronics & Communication Engineering
organized by

TEACHERS AND RESEARCHERS MODERN TOOLS AND TECHNIQUES FOR

has completed One-Week National Level Faculty Development programme on

DR. DEEPAK GOYAL, IKGPTU, KAPURTHALA

One-Week National Level AICTE-IKGPTU Sponsored FACULTY DEVELOPMENT PROGRAMME



IKGPTU/ECE/FDP/ 812

Department of Electronics & Communication Engineering
I.K. Gujral Punjab Technical University
Kapurthala



UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
 PUNJABI UNIVERSITY, PATIALA
 (Established under Punjab Act No.35 of 1961)



Ref. HRDC/PUJ/ 2781

Sr. No. 2715

UGC-SPONSORED ORIENTATION PROGRAMME

This is to certify that Dr. Deepak Kumar Goyal

Assistant Professor in Mechanical Engineering Department of Mechanical Engineering I K Guraj Punjab Technical University

Kapurthala Punjab

affiliated to _____

Participated in the 35th Orientation Programme

From 21-05-2018 to 16-06-2018 and obtained Grade A

[Signature]
 Director

Patiala : 16-06-2018

[Signature]
 Vice-Chancellor

[Signature]
 Department of Mechanical Engineering
 I.K.G. P.T.U. Main Campus
 Kapurthala



**National Institute of
Technical Teachers Training and Research
Chandigarh**

MINISTRY OF HUMAN RESOURCE DEVELOPMENT, GOVERNMENT OF INDIA

Certificate

This is to certify that

DEEPAK KUMAR GOYAL

**I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR,
KAPURTHALA
PUNJAB**

Participated in the AICTE Recognized Faculty Development Programme

on

Recent Advances in Nanostructured Materials

Conducted by

Applied Science Department

from

13-01-20 to 17-01-20 (One Week)

at

IKG PTU, Jalandhar, Kapurthala



[Signature]
Coordinator

[Signature]
Head of Department

[Signature]
Director

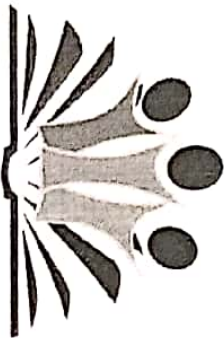
I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

Certificate of Training

Conferred on

Dr. Deepak Kumar Goyal

for successfully completing



"A Tryst with Learning"

A Two-day Leadership Development Program for
Educationists and Administrators
on 8 and 9 June, 2017



Program Director

A handwritten signature in black ink.

Dr. S.K. Mishra

Program Director
I.K. Gujral Punjab Technical University, Jalandhar

Course Director

A handwritten signature in black ink.

Asit Ghosh

Manager Training & Students Leadership Council,
Asit Ghosh Institute of Leadership & Excellence

A handwritten signature in black ink.
Department of Mechanical Engineering
I.K.G. P.T.U. Jalandhar Campus
Jalandhar



**Punjab Institute of Technical Teachers
Training & Research (PTTTR), Jalandhar**

(Academic Staff College of IK Gujral Punjab Technical University)

IKG-PTU/PTTTR/REG/ 2372

Date: 13-01-2017

Certificate

This is certified that **Deepak Kumar Goyal** of **IKG, PTU Main Campus** has attended one week Faculty Development Programme on the title "**Modelling and Simulation of Engineering Systems**" held at **IK Gujral Punjab Technical University, Jalandhar (Pb.)** on **Jan 09-13, 2017.**

Co-coordinator
(Dr. Rakesh Goyal)

Coordinator
(Dr. Jaspreet Singh Chahal)

Chief-Coordinator
(Dr. B.P. Garg)



Department of Mechanical Engineering
IKG, PTU, Main Campus
Kapurthala

Serial No. 134



PTU

I. K. Gujral Punjab Technical University

ONE DAY WORKSHOP

on

"Process of NAAC Accreditation"

July 26th, 2017

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR
Main Campus Kapurthala

Certificate of Participation

This is to certify that Dr. Deepak Kumar Goyal Designation..... Assistant Professor
from Department..... Mechanical Engineering has
participated in the Workshop on July 26th, 2017 at I. K. Gujral Punjab Technical University
organised by Department of Research and Development.

Registrar

Dean R & D

Department of Mechanical Engineering
I.K.G. PTU, Main Campus
Kapurthala

Department of Industrial & Production Engineering
Dr. B. R. Ambedkar National Institute of Technology, Jalandhar
(An Institute of National Importance – Under MHRD, Govt. of India)



Certificate of Participation



awarded to
Dr Amit Bansal

from

I K Gujral Punjab Technical University Main campus Kapurthala.

for Proactively Participating in the One Week Online Short Term Course on
"Hybrid Manufacturing Processes: Opportunities and Challenges"
Organized at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, India from
06 - 10 July, 2020 under TEQIP-III.

(Dr. Narendra Kumar)
Coordinator

(Dr. Mohit Tyagi)
Convener

(Dr. Ravi Pratap Singh)
Coordinator

IK GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR

Department of Mathematical Sciences

ONE WEEK NCM TEACHER'S ENRICHMENT WORKSHOP ON
"COMPUTATIONAL METHODS FOR SOLVING DIFFERENTIAL EQUATIONS"

FUNDED BY



CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Mrs/Ms/Dr. AMIT..... BANSAL..... of
I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR..... has participated in NCM
Teacher's Enrichment Workshop on "Computational Methods for Solving Differential Equations"
held at I. K. Gujral Punjab Technical University, Jalandhar during December 25-30, 2019.

Dr. Megha Goyal
Convener

Dr. Ashish Arora
Convener

Prof. S. K. Tomar
Academic Convener

Department of Process & Instrumental Engineering
I.K. Gujral Punjab Technical University
Jalandhar



Roll No:NPTEL19GE18S51510083

To NEEL KANTH GROVER
HOUSE NO 35, GOPI NAGAR
MALL ROAD
FIROZPUR
PUNJAB
152002
PH. NO :9855857900

No. of weeks of NPTEL Courses	Equivalence of NPTEL course with regular FDP
4	$\frac{1}{2}$ FDP of one week
8	Full FDP of one week
12	$1\frac{1}{2}$ FDP



Duration of NPTEL course: 8 Weeks



NPTEL-AICTE Faculty Development Programme



(Funded by the Ministry of HRD, Govt. of India)

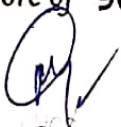
This certificate is awarded to
NEEL KANTH GROVER



for successfully completing the course
Accreditation and Outcome Based Learning

with a consolidated score of **90 %**


Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras


(Aug-Oct 2019)
Prof. Dileep N. Malkhede
Advisor-I (Research, Institute & Faculty Development)
India Council for Technical Education

Roll No: NPTEL19GE18S51510083

To validate and check scores: <http://nptel.ac.in/noc>

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses. F.No. AICTE / RIFD / FDP through MOOCs / 2017-18

Roll No: NPTEL19CH04S51490039

To
NEEL KANTH GROVER
HOUSE NO.35
MALL ROAD
BACK SIDE PETROL PUMP
FEROZEPUR
FIROZPUR
PUNJAB
152002
PH. NO :9855857900

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=80	Elite
40-59	Successfully completed the course
<40	No Certificate



No. of credits recommended by NPTEL:3

Elite



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
NEEL KANTH GROVER
for successfully completing the course

Computational Fluid Dynamics

with a consolidated score of **73** %

Online Assignments	22.16/25	Proctored Exam	50.63/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: 108

A. Ramesh
Prof. A. Ramesh
Chairman
Centre for Continuing Education, IITM

Jan-Apr 2019
(12 week course)

Thangaraj
Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Department of Mechanical Engineering
IIT Madras Campus
Kavayitak



Roll No: NPTEL19CH04S51490039

To validate and check scores: <http://npTEL.ac.in/noc>

Roll No: NPTEL20ME06S11660017

To NEEL KANTH GROVER
ASSOCIATE PROFESSOR, DEPT OF MECHANICAL
ENGINEERING
I K GUJRAL PUNJAB TECHNICAL UNIVERSITY
KAPURTHALA
PUNJAB - 144603
PH. NO :9855857900

No. of weeks of NPTEL Courses	Equivalence of NPTEL course with regular FDP
4	$\frac{1}{2}$ FDP of one week
8	Full FDP of one week
12	$1\frac{1}{2}$ FDP



Duration of NPTEL course: 12 Weeks



NPTEL-AICTE Faculty Development Programme



(Funded by the Ministry of HRD, Govt. of India)



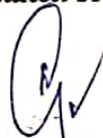
This certificate is awarded to
NEEL KANTH GROVER


for successfully completing the course

Computational Fluid Dynamics for Incompressible Flows

with a consolidated score of 82 %


Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras


(Jan-Apr 2020)


Prof. Dileep N. Malkhede
Advisor-I (Research, Institute & Faculty Development)
All India Council for Technical Education

Roll No: NPTEL20ME06S11660017

To validate and check scores: <http://nptel.ac.in/noc>

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18

Roll No: NPTEL20ME82S81660041

To NEEL KANTH GROVER
ASSOCIATE PROFESSOR, DEPT OF MECHANICAL
ENGINEERING
I K GUJRAL PUNJAB TECHNICAL UNIVERSITY
KAPURTHALA
PUNJAB - 144603
PH. NO :9855857900



No. of weeks of NPTEL Courses	Equivalence of NPTEL course with regular FDP
4	$\frac{1}{2}$ FDP of one week
8	Full FDP of one week
12	$1\frac{1}{2}$ FDP

Duration of NPTEL course: 12 Weeks



NPTEL-AICTE Faculty Development Programme

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

NEEL KANTH GROVER

for successfully completing the course

Computational Fluid Dynamics using Finite Volume Method

with a consolidated score of **93 %**

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Department of Mechanical Engineering
I.K.G. P.T.U. Kapurthala Campus
Kapurthala

(Sep-Dec 2020)

Prof. Dileep N. Malkhede
Advisor-I (Research, Institute & Faculty Development)
All India Council for Technical Education

Roll No: NPTEL20ME82S81660041

To validate and check scores: <http://nptel.ac.in/noc>

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses. F.No. AICTE / RIFD / FDP through MOOCs / 2017-18

Roll No:NPTEL18HS30511430120

To
NEEL KANTH GROVER
HOUSE NO 35, GOPI NAGAR, MALL ROAD, BACK
SIDE PETROL PUMP
FIROZPUR
PUNJAB
152002
PH. NO :9855857900

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate



No. of credits recommended by NPTEL:2



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
NEEL KANTH GROVER

for successfully completing the course

Developing Soft Skills and Personality

with a consolidated score of **96 %**

Online Assignments	24.50/25	Proctored Exam	71.25/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **12219**

T. V. Prabhakar
Prof. T. V. Prabhakar
Chairman
Center for Continuing Education, IITK

Aug-Oct 2018
(8 week course)

Satyaki Roy
Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Department of Mechanical Engineering
IIT Kanpur
Campus
Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL18HS30511430120

To validate and check scores: <http://npTEL.ac.in/noc>

Roll No: NPTEL19HS22S31490008

To
NEEL KANTH GROVER
HOUSE NO-35
MALL ROAD
BACK SIDE PETROL PUMP
FEROZPUR
PUNJAB
152002
PH. NO :9855857900

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully completed the course
<40	No Certificate



No. of credits recommended by NPTEL:2

Elite



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
NEEL KANTH GROVER
for successfully completing the course

Enhancing Soft Skills and Personality

with a consolidated score of **94** %

Online Assignments	24.67/25	Proctored Exam	69.75/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: 10466

T V Prabhakar
Prof. T. V. Prabhakar
Chairman
Centre for Continuing Education, IITK

Feb-Apr 2019
(8 week course)

Satyaki Roy
Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Department of Mechanical Engineering
Indian Institute of Technology Kanpur



Roll No: NPTEL19HS22S31490008

To validate and check scores: <http://nptel.ac.in/noc>

Scanned by CamScanner

Roll No: NPTEL20ME81S71660028

To NEEL KANTH GROVER
ASSOCIATE PROFESSOR, DEPT OF MECHANICAL
ENGINEERING
I K GUJRAL PUNJAB TECHNICAL UNIVERSITY
KAPURTHALA
PUNJAB - 144603
PH. NO :9855857900



No. of weeks of NPTEL Courses	Equivalence of NPTEL course with regular FDP
4	$\frac{1}{2}$ FDP of one week
8	Full FDP of one week
12	$1\frac{1}{2}$ FDP

Duration of NPTEL course: 12 Weeks



NPTEL-AICTE Faculty Development Programme



(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

NEEL KANTH GROVER

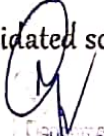


for successfully completing the course

Fundamentals of Convective Heat Transfer

with a consolidated score of **82 %**


Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras


Department of Mechanical Engineering
I.K.G. PTU, Jalandhar Campus
(Sep-Dec 2020)


Prof. Dileep N. Malkhede
Advisor-I (Research, Institute & Faculty Development)
All India Council for Technical Education

Roll No: NPTEL20ME81S71660028

To validate and check scores: <http://npTEL.ac.in/noc>

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18

Roll No: NPTEL20ME61531660055

To NEEL KANTH GROVER
ASSOCIATE PROFESSOR, DEPT OF MECHANICAL
ENGINEERING
I K GUJRAL PUNJAB TECHNICAL UNIVERSITY
KAPURTHALA
PUNJAB - 144603
PH. NO :9855857900



No. of weeks of NPTEL Courses	Equivalence of NPTEL course with regular FDP
4	$\frac{1}{2}$ FDP of one week
8	Full FDP of one week
12	$1\frac{1}{2}$ FDP

Duration of NPTEL course: 8 Weeks



NPTEL-AICTE Faculty Development Programme

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

NEEL KANTH GROVER



for successfully completing the course

High Performance Computing for Scientists and Engineers

with a consolidated score of **87 %**

Prof. Andrew Thanagaraj
NPTEL Coordinator
IIT Madras

(Sep-Nov 2020)

Prof. Dileep N. Malkhede
Advisor-I (Research, Institute & Faculty Development)
All India Council for Technical Education

Roll No: NPTEL20ME61531660055

To validate and check scores: <http://nptel.ac.in/noc>

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL20ME22S21660025
To
NEEL KANTH GROVER
ASSOCIATE PROFESSOR, DEPT OF MECHANICAL
ENGINEERING
I K GUJRAL PUNJAB TECHNICAL UNIVERSITY
KAPURTHALA
PUNJAB - 144603
PH. NO :9855857900

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate



No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



TOPPER

This certificate is awarded to
NEEL KANTH GROVER
for successfully completing the course

Introduction to Fluid Mechanics

with a consolidated score of **90** %

Online Assignments	24.63/25	Proctored Exam	65.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: 58

Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Department of Mechanical Engineering
I.K.G. PTU KAPURTHALA CAMPUS
Kapurthala
Jan-Apr 2020

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL20ME22S21660025

To validate and check scores: <https://nptel.ac.in/noc/>



Roll No: NPTEL19HS33S31510089

TO NEEL KANTH GROVER
HOUSE NO 35, GOPI NAGAR
MALL ROAD
FIROZPUR
PUNJAB
152002
PH. NO :9855857900



No. of weeks of NPTEL Courses	Equivalence of NPTEL course with regular FDP
4	$\frac{1}{2}$ FDP of one week
8	Full FDP of one week
12	$1\frac{1}{2}$ FDP

Duration of NPTEL course: 12 Weeks



NPTEL-AICTE Faculty Development Programme



(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

NEEL KANTH GROVER



for successfully completing the course

Soft Skills

with a consolidated score of **87 %**

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Jul-Oct 2019)

Prof. Dileep N. Malkhede
Advisor-I (Research, Institute & Faculty Development)
All India Council for Technical Education

Roll No: NPTEL19HS33S31510089

To validate and check scores: <http://nptel.ac.in/noc>

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses. F.No. AICTE / RIFD / FDP through MOOCs / 2017-18

Reference No. HRDC/OP-107

Serial No. 000444

UNIVERSITY GRANTS COMMISSION
HUMAN RESOURCE DEVELOPMENT CENTRE
GURU NANAK DEV UNIVERSITY, AMRITSAR



UGC- SPONSORED ORIENTATION PROGRAMME

This is to certify that Dr/Mr/Ms Amit Bansal

Designation Assistant Professor of Dept. of Mechanical Engg., I.K.G.P.T.U., Kapurthala
affiliated to _____

participated in the Orientation Programme-107

from 13/11/2018 to 10/12/2018 and obtained Grade A.

Amritsar
Dated 10/12/2018

[Signature]
Director

[Signature]
Coordinator

[Signature]
Registrar/Vice Chancellor

[Signature]

Department of Mechanical Engineering
I.K.G. P.T.U. Minicampus
Kapurthala

Reference No. HRDC/RC: 2 _____

e-certificate

Date 23/02/2021



*University Grants Commission
Human Resource Development Centre (HRDC)*

GURU NANAK DEV UNIVERSITY, AMRITSAR

**UGC-Sponsored Online Refresher Course - Winter School (Engineering Science)
(Inter/Multi-Disciplinary)**

This is to certify that Dr./Mr./Ms. _____

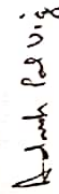
Amit Bansal

Designation Asstt. Professor (Mech. Engg.) _____

at IKGPTU, Kapurthala

affiliated to _____

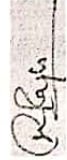
participated in the Online Refresher Course - Winter School (Engineering Science) (Inter/Multi-disciplinary)
conducted from 10-02-2021 to 23-02-2021 and obtained grade A+



Prof. (Dr.) Adarsh Pal Vig
Director



Prof. R.S. Sawhney
Co-ordinator



Dr. Ravinder Kumar
Co-ordinator



Prof. (Dr.) Jaspal Singh Sandhu
Vice Chancellor



**Punjab Institute of Technical Teachers
Training & Research (PITTR), Jalandhar**

(Academic Staff College of IK Gujral Punjab Technical University)



IKG-PTU/PITTR/REG/ 2376

Date: 13-01-2017

Certificate

This is certified that **Jujhar Singh of IKG, PTU Main Campus** has attended one week Faculty Development Programme on the title "**Modelling and Simulation of Engineering Systems**" held at **IK Gujral Punjab Technical University, Jalandhar (Pb.)** on **Jan 09-13, 2017.**

Dean
IKG, PTU
Jalandhar

Co-coordinator
(Dr. Rakesh Goyal)

Coordinator
(Dr. Jaspreet Singh Chahal)

Chief-Coordinator
(Dr. B.P. Garg)



Handwritten initials/signature

Department of Research and Development
I.K.G. S.T.U.
Kapurthala



I. K. Gujral Punjab Technical University

Serial No. 141
ONE DAY WORKSHOP

on
"Process of NAAC Accreditation"
July 26th, 2017

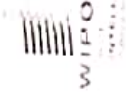
I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR
Main Campus Kapurthala

Certificate of Participation

This is to certify that*Dr. Juhar Singh*....., Designation...*Assistant Professor*.....
from Department.....*Mechanical Engineering*.....has
participated in the Workshop on July 26th, 2017 at I. K. Gujral Punjab Technical University
organised by Department of Research and Development.

Registrar
Registrar

A. Singh
Dean R & D



NATIONAL WORKSHOP

CERTIFICATE

We hereby certify that

Jujhar Singh

Successfully completed the

WORKSHOP ON ACCESS TO TECHNOLOGY FOR INNOVATION AND ESTABLISHING A TECHNOLOGY AND INNOVATION SUPPORT CENTER (TISC) NETWORK

Organized by

Technology & Innovation Support Centre,
Punjab State Council for Science & Technology (PSCST)

In collaboration with

World Intellectual Property Organization (WIPO)
and
Cell for IPR Promotion & Management (CIPAM),
Department of Industrial Policy and Promotion (DIPP),
Ministry of Commerce & Industry (MoC&I), Govt. of India

Chandigarh
December 4 and 5, 2017

Director
Technology & Innovation Support Centre
Punjab State Council for Science & Technology
Chandigarh

Avipaha Thakur
Assistant Vice President
CIPAM DIPP Govt

Jatinder Kaur Arora
Executive Director
PSCST

Rajiv Aggarwal, IAS
Joint Secretary
DIPP, MoC&I Govt

Alejandro Roca Compañia
Senior Director
WIPO



PRADHAN MANTRI YUVA YOJANA
(Yuva Udyamita Vikas Abhiyan)

Ministry of Skill Development & Entrepreneurship

Certificate of Participation

This is to certify that Mr. Tujhar Singh.....

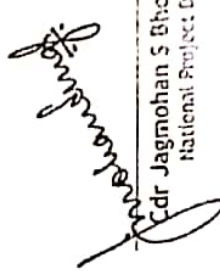
of IKG Punjab Technical University.....

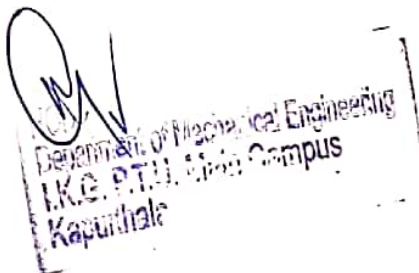
has successfully completed the Entrepreneurship Faculty Educator Program for Orientation

Course held at HYPHEN, HATEL, NOIDA..... on 10th - 14th August 2018

Certificate No. FF180R.....

Date: 14th AUG. 2017..


Cdr Jagmohan S Bhogal (Retd.)
National Project Director



Sr. No. 22

UNIVERSITY GRANTS COMMISSION
HUMAN RESOURCE DEVELOPMENT CENTRE (HRDC)
Panjab University, Chandigarh



UGC-SPONSORED ORIENTATION PROGRAMME

This is to certify that Jyhoj Singh Assistant Professor (Mech. Engg.)
Deptt. of Mech. Engg. I.K.G. P.T.U. Kapurthala, affiliated to I.K.G. Punjab Technical University
Kapurthala
participated in the 125th Orientation Programme from 11-09-2019 to 01-10-2019 and obtained grade A

[Signature]
COORDINATOR

[Signature]
HONORARY DIRECTOR

[Signature]
VICE-CHANCELLOR

[Signature]

Department of Mechanical Engineering
I.K.G. P.T.U. Kapurthala

IKGPTU/ECE/FDP/ 805



**One-Week National Level AICTE-IKGPTU Sponsored
FACULTY DEVELOPMENT PROGRAMME**

DR. JUJHAR SINGH, IKGPTU, KAPURTHALA

has completed One-Week National Level Faculty Development programme on
**MODERN TOOLS AND TECHNIQUES FOR
TEACHERS AND RESEARCHERS**

organized by

Department of Electronics & Communication Engineering

at

I.K. Gujral Punjab Technical University, Kapurthala

during November 18-22, 2019

**Dr Satvir Singh
FDP Coordinator**


**Dr Y S Brar
Campus Director**

Department of Electrical Engineering
I.K.G. Punjab Technical University
Kapurthala Campus

IKGPTU/ME/FDP/3280



**One-Week National Level AICTE-IKPTU Sponsored
FACULTY DEVELOPMENT PROGRAM**

**DR. JUHAR SINGH
IKGJRAL PUNJAB TECHNICAL UNIVERSITY
JALANDHAR**

has completed One-Week National Level Faculty Development program
on

**SURFACE ENGINEERING AND
MATERIALS CHARACTERISATION**

organized by
Department Of Mechanical Engineering

I.K. Gujral Punjab Technical University Jalandhar, Kapurthala

during December 09-13, 2019



Handwritten signature of Dr. Manoj Mittal

**Dr. Manoj Mittal
FDP Coordinator**

Handwritten signature of Dr. Y S Brar
**Dr Y S Brar
Director**

Handwritten signature

Department of Mechanical Engineering
I.K.G. P.T.U. Kapurthala Campus
Kapurthala

Department of Mechanical Engineering
I.K.G. P.T.U. Main Campus
Kapurthala

No-ATAL/2019/250397



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi - 110 076

AICTE Training And Learning (ATAL) Academy, Jaipur

Certificate

This to be certified that **JUJHAR SINGH** participated & completed successfully AICTE Training And Learning (ATAL) Academy FDP on "Internet of Things (IoT)" from 02-12-2019 to 06-12-2019 at I K Gujral Punjab Technical University, Kapurthala.

Director ATAL Academies



Coordinator

3782/2020



National Institute of
Technical Teachers Training and Research
Chandigarh

MINISTRY OF HUMAN RESOURCE DEVELOPMENT, GOVERNMENT OF INDIA

Certificate

This is to certify that

Dr. Jujhar Singh

I.K. Gujral Punjab Technical University, Kapurthala (Punjab)

Participated in the AICTE recognized Short Term Course on

Fostering Creativity and Innovation in Entrepreneurship

Conducted by

ENTREPRENEURSHIP DEVELOPMENT AND
INDUSTRIAL COORDINATION DEPARTMENT

From

16.12.2019 to 21.12.2019

at

I.K. Gujral Punjab Technical University, Kapurthala (Punjab)



[Signature]
Coordinator

Director

[Signature]

Department of Industrial Engineering
I.K. Gujral Punjab Technical University
Kapurthala Campus



डा. बी आर अम्बेदकर राष्ट्रीय प्रौद्योगिकी संस्थान, जालंधर
Dr. B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR

जी टी रोड बाई पास, जालंधर-144011 पंजाब (भारत)
G T Road Bye Pass, Jalandhar-144011 Punjab (India)
(An Institution of National Importance)

Certificate No.: IPE_115

Certificate of Participation

This is to certify that

Jujhar Singh

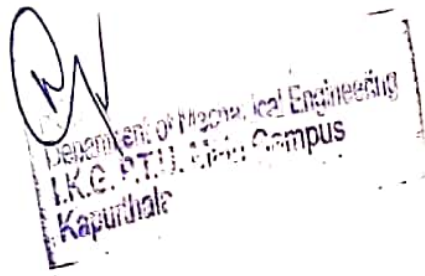
From

PTU Kapurthala

has Participated in the webinar on "New Perspectives on Online Education: Education 4.0" held on 30th May 2020.
organized by Department of Industrial and Production Engineering, Dr B R. Ambedkar National Institute of
Technology Jalandhar, Punjab, India.

Dr Anish Sachdeva
Coordinator

Dr Lalit Kumar Awasthi
Director



Department of Industrial & Production Engineering

Dr. B. R. Ambedkar National Institute of Technology, Jalandhar

(An Institute of National Importance – Under MHRD, Govt. of India)



Certificate of Participation

awarded to

Dr Jujhar Singh

from

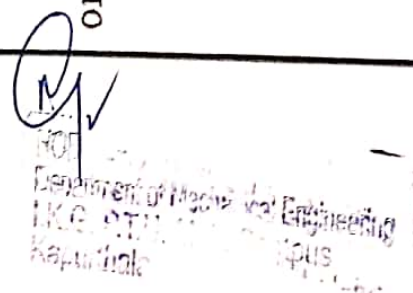
I.K. Gujral Punjab Technical University, Kapurthala, Punjab

for Proactively Participating in the One Week Online Short Term Course on
“Additive Manufacturing with Interdisciplinary Applications”
organized at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, India from
29 June - 03 July 2020 under TEQIP-III.

Dr. Narendra Kumar
Coordinator

Prof. R. K. Garg
Convener

Dr. Ravi Pratap Singh
Coordinator



Department of Industrial & Production Engineering
Dr. B. R. Ambedkar National Institute of Technology, Jalandhar
(An Institute of National Importance – Under MHRD, Govt. of India)



Certificate of Participation



awarded to

Dr. Jujhar Singh

from

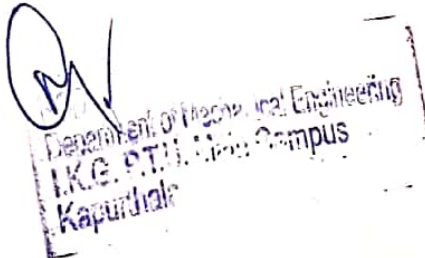
I.K. Gujral Punjab Technical University, Kapurthala, Punjab

for Proactively Participating in the One Week Online Short Term Course on
“Hybrid Manufacturing Processes: Opportunities and Challenges”
Organized at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, India from
06 - 10 July, 2020 under TEQIP-III.

(Dr. Narendra Kumar)
Coordinator

(Dr. Mohit Tyagi)
Convener

(Dr. Ravi Pratap Singh)
Coordinator



TEQIP-3

Certificate No. e-STC/NITJ/PE/SC/MCS2020-227

Department of Industrial & Production Engineering

Dr. B. R. Ambedkar National Institute of Technology, Jalandhar
(An Institute of National Importance – Under MHRD, Govt. of India)



Certificate of Participation

awarded to

Jujhar Singh

from

I.K. Gujral Punjab Technical University, Kapurthala, Punjab

for Proactively Participating in the One Week Online Short Term Course on
“*Supply Chain Management: Challenges and Strategies*”

Organized at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar,
India from 13- 17 July, 2020 under TEQIP-3.

(Prof. Anish Sachdeva)
Coordinator

(Dr. Dilbagh Panchal)
Convener

(Dr. Mohit Tyagi)
Coordinator

HOD
Department of Mechanical Engineering
I.K.G. P.T.U. Main Campus
Kapurthala

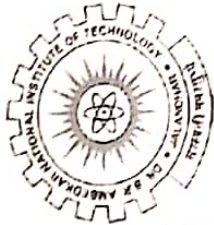
TEQIP-3

Certificate No. e-STC/NITJ IPE/ISMOC/20-178

Department of Industrial & Production Engineering

Dr. B. R. Ambedkar National Institute of Technology, Jalandhar

(An Institute of National Importance – Under MHRD, Govt. of India)



Certificate of Participation

awarded to

Dr Jujhar Singh

from

I.K. Gujral Punjab Technical University, Kapurthala, Punjab

for Proactively Participating in the One Week Online Short Term Course on
“*Industry 4.0 and Smart Manufacturing: Opportunities and Challenges*”

Organized at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar,

India from 20 - 24 July, 2020 under TEQIP-3.

(Dr. Narendra Kumar)
Coordinator

(Dr. Dilbagh Panchal)
Convener

(Dr. Aviral Mishra)
Coordinator

Department of Mechanical Engineering
I.K.G. P.T.U. Jalandhar Campus
Kapurthala

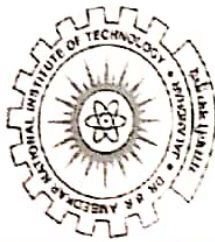
TEQIP-3

Certificate No. e-STC/NTI/IPE/RM/QIPI 2020-401

Department of Industrial & Production Engineering

Dr. B. R. Ambedkar National Institute of Technology, Jalandhar

(An Institute of National Importance – Under MHRD, Govt. of India)



Certificate of Participation

awarded to

Jujhar Singh

from

I.K. Gujral, Punjab Technical University, Kapurthala, Punjab

for Proactively Participating in the One Week Online Short Term Course on

"Reliability, Maintainability and Quality Issues in Process Industries"

Organized at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar,

India from 04-08 August, 2020 under TEQIP-3.

(Dr R P Singh)
Convener

(Dr. Dilbagh Panchal)
Coordinator

(Dr. Mohit Tyagi)
Coordinator

Department of Industrial & Production Engineering
I.K. Gujral
Kapurthala

Reference No. HRDC/RC: 33

e-certificate

Date 03/11/2020



*University Grants Commission
Human Resource Development Centre (HRDC)*



GURU NANAK DEV UNIVERSITY, AMRITSAR

UGC-Sponsored Online Refresher Course

This is to certify that Dr./Mr./Ms. Dr. Jujhar Singh

Designation Asstt. Professor (Mech. Engg.) at IK Gujral Punjab Technical University Main Campus, Kapurthala, Punjab
affiliated to IK Gujral Punjab Technical University

participated in the Online Refresher Course in Information Technology, Awareness & Applications (ID) conducted from 21-10-2020 to 03-11-2020 and obtained grade A+

Adarsh Vig
Prof. (Dr.) Adarsh Pal Vig
Director

Rajbir Bhatti
Dr. Rajbir Bhatti
Deputy Director

Shalini Bahel
Dr. Shalini Bahel
Co-ordinator

Jyotesh Malhotra
Dr. Jyotesh Malhotra
Co-ordinator

Jaspal Singh Sandhu
Prof. (Dr.) Jaspal Singh Sandhu
Vice Chancellor

Department of Mechanical Engineering
I.K.G. P.T.U. Main Campus
Kapurthala



भारतीय प्रौद्योगिकी संस्थान रुड़की
 INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
 गुण अभिवृद्धि कार्यक्रम
 QUALITY IMPROVEMENT PROGRAMME



QIP/2020/142



Certificate

This is to certify that **Dr. JUJHAR SINGH, I.K. Gujral Punjab Technical University, Kapurthala (Punjab)** participated in AICTE sponsored Quality Improvement Programme (QIP) short-term course on "Quality Management & Business Process Reengineering" organized via online mode during **07-12-2020** to **18-12-2020** by the **Department of Mechanical and Industrial Engineering, Indian Institute of Technology Roorkee.**



P. Kumar
 Prof. Pradheep Kumar
 Course Coordinator

Akshay Dvivedi
 Prof. Akshay Dvivedi
 Course Co-coordinator

Vimal
 Vimal Chandra Srivastava
 Coordinator, QIP

HOD
 Department of Mechanical Engineering
 I.K.G. Punjab Technical University
 Kapurthala



IQAC Summary Report of Department of Mechanical Engineering

Department of Mechanical Engineering was established in the year 2016, when University started its own teaching campus. The faculty of the department is mixture of qualified young and experienced members who are qualified from institutes of repute. Faculty members of the Department have their expertise in Thermal Engineering, Fluid Mechanics Thermal spray coatings, Bio-ceramic Coatings, Non-conventional Machining processes and many more. The department has well equipped laboratories related to basic, core and advanced subjects of Mechanical and allied engineering courses. Currently, Department is being headed by Dr. Neel Kanth Grover, who has vast experience of about 26 years of teaching UG & PG students and guiding research scholars.

Programs Offered

Programme	Intake	Duration
B.Tech. Mechanical Engineering	60	04 Years
M.Tech. Mechanical Engineering (Production)	18	02 Years
Ph.D.	As per University Norms	

Research Areas

- Thermal Engineering
- Computational Fluid Dynamics
- Reliability
- Biomaterials and Superalloys
- Laser Cladding & Welding
- Surface Engineering
- Thermal Spray Coatings
- Advanced Materials
- Conventional Machining
- Non-conventional Machining
- Wear, Erosion, Surface Coatings
- Microwave Processing of Materials

Director of Institute
K. J. Somaiya Institute of Technology and Engineering
Kapurthala

Faculty Members

Name	Designation	Experience	Specialisation
Dr. Vikas Chawla	Professor & Director (Main Campus), Dean (Academics including College Development)	22 Years	Surface Engineering, Friction Welding, Corrosion Engineering
Dr. Neel Kanth Grover	Professor & Head of Department, Dean (Student Welfare) Director, Skill Centre, Sultanpur Lodhi & TATA Skill Centre, Main Campus	26 Years	Fluid and Thermal Engineering
Dr. Deepak Kumar Goyal	Assistant Professor	17 Years	Surface Engineering, Wear, Erosion, Corrosion, Mechanics and Machine Design
Dr. Jujhar Singh	Assistant Professor	19 Years	Conventional and Non-conventional Machining
Dr. Amit Handa	Assistant Professor	16 Years	Friction Welding, Friction Stir Welding Processing
Dr. Amoljit Singh Gill	Assistant Professor	08 Years	Engineering Graphics and Solid Mechanics
Dr. Tarun Goyal	Assistant Professor	21 Years	Materials, Metallurgy and Advanced Manufacturing
Dr. Manoj Mittal	Assistant Professor	24 Years	Fluid, Thermal and Manufacturing
Dr. Vivek Aggarwal	Assistant Professor	25 Years	Manufacturing and Industrial Engineering
Dr. Amit Bansal	Assistant Professor	09 Years	Production and Materials Engineering

Research Publications/Patents/Projects/Research Guidance:

- Paper Presented in National Conferences: 51
- Paper Presented in International Conferences: 99
- Books/Book Chapters Published: 34/08
- Projects Undertaken by Faculty: 02
- Research Scholars Guiding (PhD): 25
- Research Publications in National Journals: 42
- Research Publications in International Journals: 225
- Patents: 02
- Research Scholars Guided (M.Tech): 80
- Research Scholars Guided (PhD): 10

Projects undertaken by faculty:

Project Title/Details	Sanctioned Amount	Funding Agency	Principal/Co-Principal Investigator
Fabrication of bio-compatible 'graded porous metallic' implants for facilitating drug delivery	Rs 18,30,000/-	Science & Engineering Research Board (SERB)	Dr. Amoljit Singh Gill, Principal Investigator
Development and mechanical characterization of thin film TiO ₂ assisted biomedical coatings on stainless steel	Rs 29,79,900/-	Science & Engineering Research Board (SERB)	Dr. Amit Bansal, Principal Investigator

Student Placement Information

Student Name	Company	Package Offered
Prashant Veer	Congruex Asia Pacific LLP	3.10 LPA
Shreyansh Kaushik	Infosys Ltd.	3.60 LPA
Shivam	Infosys and Accenture	3.6 LPA & 4.6 LPA

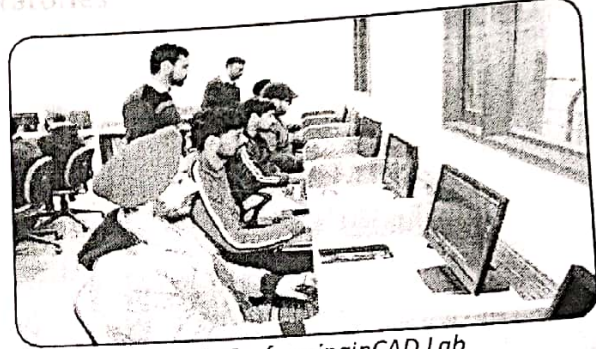
Award - Achievement

StudentName	Award/Achievement	Event	Month-Year
SiddharathSharma	1stposition	Inter-collegeVolleyballtournament	2019
SiddharathSharma	2ndPosition	PLCdesign oneeof Engineer's day	2019
Meemansa Mishra	Silver Medal	Inter-zonalYouthFestival	2019
YuvrajKumar	1stposition	PPTon eve of Engineer's day	2019
DheerajKumar	3rdposition	SBIYONOQUIZ	2019
KapilKumarKapoor	3rdposition	SBIYONOQUIZ	2019
Dheeraj Kumar	3rdPrize	NIT Jalandhar Quizcompetition	2019
KapilKumarKapoor	3rdPrize	NIT Jalandhar Quizcompetition	2019
DheerajKumar	2ndPrize	Inter-zonalYouthFest	2019
KapilKumarKapoor	2ndPrize	Inter-zonalYouthFest	2019
DheerajKumar	Bronze Medal	Inter-zonalYouthFest	2019
KapilKumarKapoor	BronzeMedal	Inter-zonalYouthFest	2019
DheerajKumar	1stPrize	Inter-zonalYouthFest	2019
KapilKumarKapoor	1stPrize	Inter-UniversityYouthFest.	2019
KapilKumarKapoor	RepresentedIKGPTU, Kapurthala	Inter-UniversityYouthFest.	2019
KaranKumar	2ndPosition	NationalLevelQuizCompetition	2019
		IntercollegeVolley-BallTournament	2019

Departmental laboratories



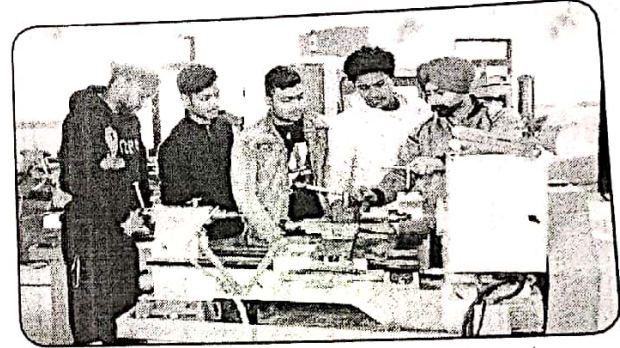
StudentsperforminginTheory of Machines Lab



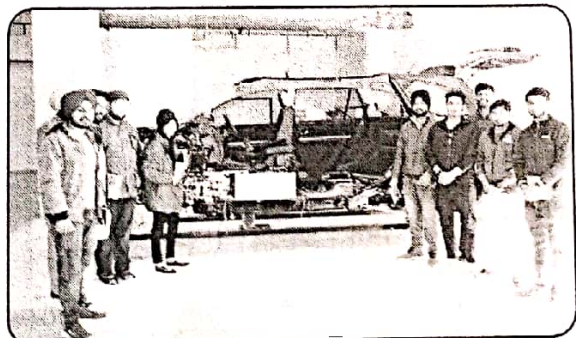
Students PerforminginCAD Lab



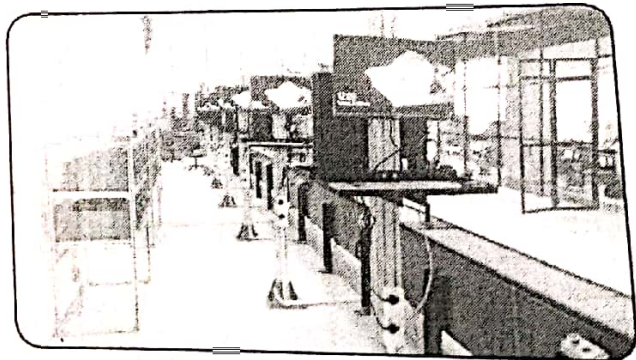
StudentsdiscussingabouttheirProjects withFaculty



StudentsworkingonLatheMachineinMachineShop



Students withCutSectionofaCar



In CampusTataTrainingCentre

Department of Mechanical Engineering
IKGPTU, Kapurthala



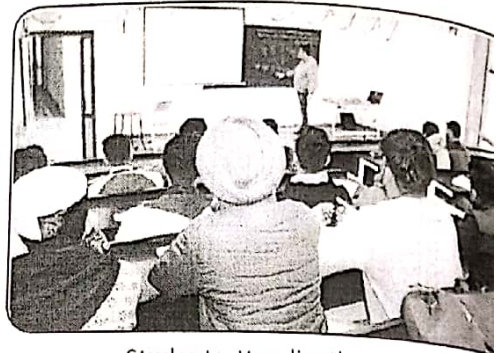
Invited Lecture by Expert from Industry



FDP Organised by Department

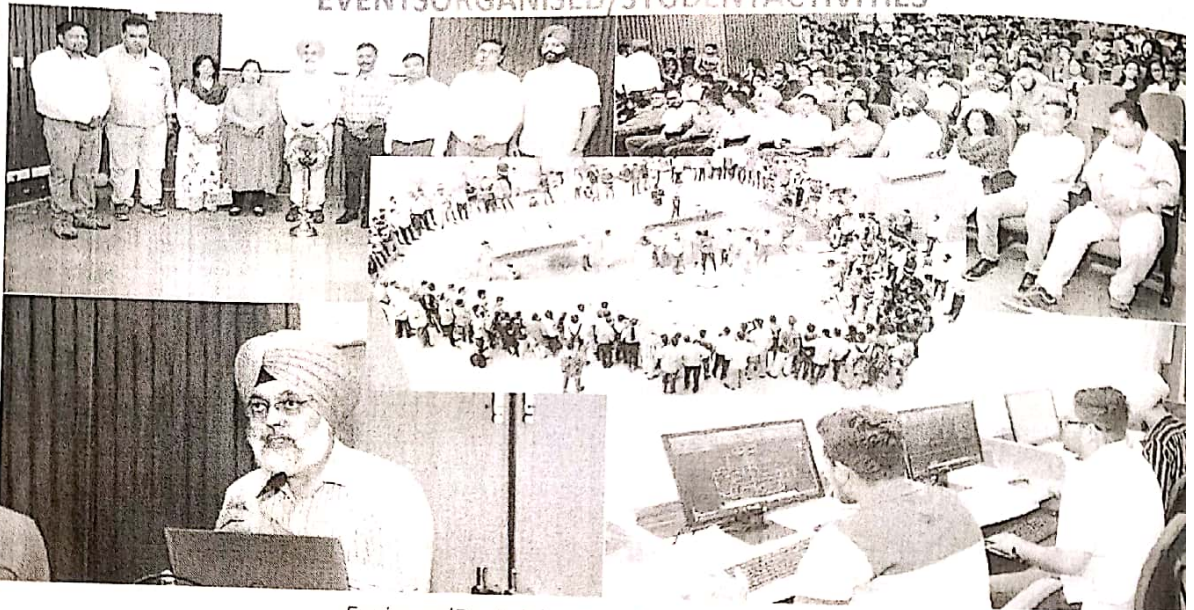


Industrial visit of students



Students attending theory class

EVENTS ORGANISED / STUDENT ACTIVITIES



Engineers' Day Celebration by Faculty of Engineering



Department Faculty and staff

Department of Mechanical Engineering
K. J. Somaiya Institute of Technology
Kapurthala

Faculty Members

Name	Designation	Experience	Specialisation
Dr. Vikas Chawla	Professor & Director (Main Campus), Dean (Academics including College Development)	22 years	Surface Engineering, Friction Welding, Corrosion Engineering
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Dr. Amit Handa	Assistant Professor	16 Years	Friction Welding, Friction Stir Welding Processing
Dr. Amoljit Singh Gill	Assistant Professor	08 Years	Engineering Graphics and Solid Mechanics
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Dr. Manoj Mittal	Assistant Professor	24 Years	Fluid, Thermal and Manufacturing
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- Research Scholars Guided (PhD): 10

Projects undertaken by Faculty:

Project Title/Details	Sanctioned Amount	Funding Agency	Principal/Co-Principal Investigator
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Development and mechanical characterization of microwave assisted biomedical coatings	Rs 29,79,900/-	Science & Engineering Research Board	Dr. Amit Bansal, Principal Investigator

Student Placement Information

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Shreyansh Kaushik	Infosys Ltd.	3.60 LPA
Shivam	Infosys and Accenture	3.6 LPA & 4.6 LPA