

# **ACTION TAKEN REPORT**

  
Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali




# Chandigarh Engineering College Jhanjeri

Mohali-140307

## Action Taken Report

2021-22

Stakeholder	Faculty
No. of responses	50
Suggestions	Action Taken
1. Upgradation of syllabus required to compete with latest technology	PTU university upgraded the syllabus in 2021
2. Upgrade knowledge to meet industrial requirements	Training is provided to faculty members through various development programs and they are encouraged to do online certifications from ATAL FDPs, SWAYAM based on their interests.
3. Bridge the gap between Bright and weak students	Remedial classes are held for the weak students.
4. To encourage students for start ups and entrepreneurship	Various expert talks and seminars on entrepreneurship have been organized under IIC .
5. More exposure on practical implementation of projects	Conducted several programming and coding competitions like hackathon., project displays and many more on engineers' day and another events
6. More Computer labs need to be added (Ambience)	Two more computer labs have been added in Block 1

  
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Director  
Chandigarh Engineering College  
Jhanjeri, Mohali




# Chandigarh Engineering College Jhanjeri

Mohali-140307

## Action Taken Report

2021-22

Stakeholder	Students
No. of responses	373
Suggestions	Action Taken
1. Students are interested in industrial visits and workshops	Arranged visits in several technical companies and conducted many seminars and workshops at college
2. Additional and advanced topics required related to latest technology	Covered through gaps and content beyond syllabus
3. Students suggested extra and self-learning	Students are encouraged to do Swayam, FOSS, NPTEL and MOOC courses
4. More availability of e-learning resources	e-books and other reading material provided to students in the google classroom
5. Faculty members are utilizing video lectures and NPTEL videos to accommodate the domains of LAB	NPTEL videos and video lectures added in the course plan
6. More focus on advanced programming languages for employability purpose	Add-on courses are introduced every semester
7. Professional society activities to be encouraged	Various societies, like IETE, ASHRAE are created and many activities have been organized under these societies
8. Labs need to be upgraded according to the latest requirements	Computer labs have been upgraded.
9. Lift should be provided in the blocks (Ambience)	Lift has been constructed in Block 1

  
Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali




# Chandigarh Engineering College Jhanjeri

Mohali-140307

## Action Taken Report

2021-22

Stakeholder	Alumni
No. of responses	200
Suggestions	Action Taken
1. Industry related courses to be introduced in curriculum	PTU university upgraded the syllabus in 2021
2. Industrial oriented subjects need to be introduced apart from the basic academic courses for preparing the students for placements	Communication skill and interpersonal skills along with the programming and coding classes are held from 2 <sup>nd</sup> year onwards to meet the current requirements of the industry.
3. To encourage the students for start ups	Entrepreneurship and start up activities ,expert talks have been conducted under IIC.
4. Scope of Employability	MOUs have been signed with various companies and institutions for better employability.
5. More Availability of library resources(Ambience)	More computer systems have been introduced in library

  
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Mohali-140307

## Action Taken Report

2021-22

	Stakeholder	Employer
	No. of responses	25
	Suggestions	Action Taken
1.	Courses based on latest technological developments need to be introduced	Add on courses are introduced in every semester.
2.	Industrial oriented subjects need to be introduced	Communication skill and interpersonal skills along with the programming and coding classes are held from 2 <sup>nd</sup> year onwards to meet the current requirements of the industry.
3.	To encourage the students for start ups	Entrepreneurship and start up activities ,expert talks have been conducted under IIC.
4.	Make students industry ready	MOUs have been signed with various companies and institutions for conducting expert talks, workshops and better employability

  
Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali

- Animation & Multimedia
- Architecture, Planning and Design
- Bachelor of Science (B.Sc.)
- Bachelor of Vocational Course
- Biotechnology
- Computer Application
- Diploma Course
- Engineering
- Fashion Technology
- Hotel Management & Air Lines Syllabus
- Journalism & Mass Communication
  
- Management
- Master of Science (M.Sc.)
- Master Of Technology ( M-Tech )

B.Tech. Chemical Engineering	2002	2003	2011	2018		
B.Tech. Civil Engineering	2002	2003	2007	2011	2018	2021
B.Tech. Computer Science & Engineering	2002	2003	2011	2012	2018	2021
B.Tech. Computer Science & Engineering (Artificial Intelligence & Machine Learning )	2020					
B.Tech. Computer Science & Engineering (Data Science)	2020					
B.Tech. Computer Science & Engineering (IoT & Cyber Security including Blockchain Technology)	2020					
B.Tech. Electrical Engineering	2002	2003	2011	2018	2021	
B.Tech. Electrical Engineering (Part Time)	2013					
B.Tech. Electrical Engineering & Industrial Control	2012	2018				
B.Tech. Electrical & Electronics Engineering	2011	2013	2018			
B.Tech. Electronics & Communication Engineering	2002	2003	2011	2018	2021	
B.Tech. Electronics & Computer Engineering (ELE)	2011					
B.Tech. Electronics & Electrical Engineering	2011	2018				

Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali

# **Study Scheme & Syllabus of** **Bachelor of Technology** **Electrical Engineering**

**Batch 2021 onwards**  
**(3<sup>rd</sup> -8<sup>th</sup> Semester)**

For

**University Main Campus,**  
**Constituent Campuses and**  
**Affiliated colleges**



**Department of Academics**

*Dr. Vinod Kumar*  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali

**I.K. Gujral Punjab Technical University**



# CHANDIGARH ENGINEERING COLLEGE JHANJERI

Building Careers. Transforming Lives.

- 📍 Mohali (140307)
- ☎ 1800 274 0444
- 🌐 www.cgc.ac.in
- ✉ info@cgc.ac.in

Ref.: No.: CGC/21-22/724

Date: 30/09/2021

Dean (Academics)  
I.K. Gujral Punjab Technical University  
Jalandhar-Kapurthala Highway  
Jalandhar

Subject: Addition of JAVA subject in the B Tech Programme.

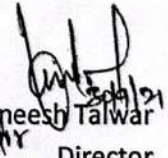
Respected Sir,

This is to inform you that JAVA subject is not included in the four year curriculum of B. Tech programme. However, companies coming for the placements expect the students to have complete knowledge of JAVA and its programming.


In view of the above and as per discussion of IQAC of the college, it is hereby requested to include JAVA in the B. Tech curriculum. So that the students can get the benefit of JAVA knowledge during the placement drives.

Thanking you,

With warmest regards,

  
Dr Rajneesh Talwar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali



  
Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali





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TECHNOCRATS

# CERTIFICATE

FACULTY DEVELOPMENT PROGRAM

This is to certify that Dr. / Mr./Mrs. \_\_\_\_\_

**SAKSHI SHARMA**

Course/Branch CSE as participated in the 5 days Faculty Development Program  
titled ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

organized by Department of Computer Science and Engineering, Chandigarh Engineering  
College, Jhanjeri, Mohali from 24 FEB 2022 - 2 MARCH 2022

Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali

Dr. Sahil Vashisht  
(HOD CSE)

Dr. Rajneesh Talwar  
(DIRECTOR ENGINEERING)

Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali

AICTE/CIDC/PARAKH-III/121



# CERTIFICATE

OF PARTICIPATION

IS PRESENTED TO

**BALPREET SINGH**

for his/her achievements in participating in **two weeks training program** for **faculty members** on AICTE Student Learning Assessment – STTP-PARAKH in collaboration with Construction Industry Development Council (CIDC) from 07 February, 2022 to 19 February, 2022

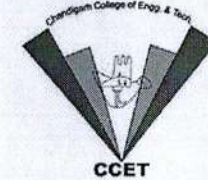
COL B VENKAT  
DIRECTOR, FDC, AICTE

Dr. P R SWARUP  
DIRECTOR GENERAL, CIDC

DATE OF ISSUE 25.02.2022

Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali

No:ATAL/2021/1622003470



## ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

### AICTE Training And Learning (ATAL) Academy

#### Certificate

This is certified that Sarabpreet Kaur, Professor of Chandigarh Engineering College, Jhanjeri, Mohali participated & completed successfully AICTE Training And Learning (ATAL) Academy **Online Elementary FDP on "Internet of Things (IOT) with Artificial Intelligence (AI)"** from 2021-7-12 to 2021-7-16 at Chandigarh College of Engineering & Technology (CCET-Degree Wing), (Affiliated to Panjab University, Chandigarh).

Adviser-I, ATAL Academy

Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali



Coordinator

Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali



TEQIP



# CERTIFICATE OF PARTICIPATION

*This is to certify that*

Dr. SARABPREET KAUR

CGC TECHNICAL CAMPUS JHANJERI MOHALI

Participated in the Online Short Term Course on Integrated Optics during 18-22 Jan, 2021 (One Week)

Organized By

Electronics and Communication Engineering Dept.,  
Punjab Engineering College (Deemed to be University) Chandigarh

Supported By

Technical Education Quality Improvement Programme (TEQIP—III)

Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali

Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali

Dr. JYOTI KEDIA  
COURSE  
COORDINATOR

Dr. DIVYA DHAWAN  
COURSE  
COORDINATOR

Dr. SANJAY BATISH  
COORDINATOR TEQIP-III, PEC  
CHANDIGARH

Dr. NEENA GUPTA  
HEAD ECE DEPT..  
PEC CHANDIGARH



Certificate No: ICT-15282/20

# National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF HUMAN RESOURCE DEVELOPMENT, GOVERNMENT OF INDIA

## Certificate

*This is to certify that*

**RINI SAXENA**

**CGCTC, JHANJERI, MOHALI  
PUNJAB**

*Participated in the Online AICTE Recognized Faculty Development Programme*

on

**Data Analytics using Python**

from

**18-05-20 to 22-05-20 (One Week)**

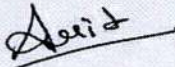
*Organized by*

**Computer Science and Engineering Department**

**NITTTR, Chandigarh**

**Dr. Vinod Kumar**  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali



  
**Coordinator**

  
**Director**



Certificate No : 13502/21-22

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

**MINISTRY OF HUMAN RESOURCE DEVELOPMENT, GOVERNMENT OF INDIA**

**Certificate**

*This is to certify that*

**VINEET KUMAR PANDEY**

**CHANDIGARH ENGINEERING COLLEGE , JHANJERI, MOHALI  
PUNJAB**

*Participated in the Online AICTE Recognized Faculty Development Programme*

**on**

**Total Quality Management and ISO 9001:2015**

**from**

**14/03/2022 to 18/03/2022 (one Week)**

*Conducted by*

**Entrepreneurship Development and Industrial Coordination Department**

**NITTTR, Chandigarh**



*Dr. Vinod Kumar*  
Co-ordinator

*P. B. Singh*  
Head of the  
Department

*Dr. Vinod Kumar*  
Director

**Dr. Vinod Kumar**  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali



**Chandigarh Engineering College Jhanjeri**  
**Mohali-140307**  
**Department of Electronics and Communication Engineering**

Date: 12.11.2021

**NOTICE**

This is to bring to your notice that special classes for slow learners have been arranged for the subjects Maths, Network Theory, EMW and Electronic Devices for 3<sup>rd</sup> semester and subjects Control systems, Digital Signal processing, Analog and Digital Communication and Linear integrated Circuits for 5<sup>th</sup> semester from 13.11.21 to 18.12.21 on every Saturday through online mode. Students are advised to attend these remedial classes according to the mentioned time table and clear their doubts in these classes.

  
HOD ECE

Head-ECE Department  
Chandigarh Engineering College  
Jhanjeri, Mohali

  
Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali

**CHANDIGARH ENGINEERING COLLEGE, JHANJERI MOHALI****DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING****5TH SEMESTER Weak Students Record**

S.NO.	University Roll No.	Student Name
1	1915153	Abhishek Saini
2	1915158	Ankit Kumar
3	1915170	Harshit Yadav
4	1915173	Kanhaiya
5	1915174	Kartik Thakur
6	1915191	Riya Kumari
7	1915192	Rupesh
8	1915195	Sahil Hooda
9	1915204	Souvik Malakar
10	1915209	Vaishnavi
11	1934115	Harmanjot Kaur
12	2027170	Akshit Pandey

*Ullas*  
13/11/21

*Vinod*  
Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali

*[Signature]*  
Head-ECE Department  
Chandigarh Engineering College  
Jhanjeri, Mohali



# Chandigarh Engineering College, Jhanjeri, Mohali (140307)

Department of Electronics & Communication Engineering

**TIME TABLE (REMEDIAL CLASSES) B.Tech. (ECE) SEM 3rd (ONLINE)**

Date: 03.01.2022 - 07.01.2022

CC: Ms. Malika Arora (Group A) / Mr. Vikrant Verma(B)

DAY	TIMINGS								
	I 9:30-10:20	II 10:20-11:10	III 11:10-12:00	IV 12:00-12:50	V 12:50-1:35	VI 1:35-2:20	VII 2:20-3:05	VIII 3:05-3:50	IX 3:50-4:35
Monday	INTERNAL VIVA			MATHS (L)	B R E A K	INTERNAL VIVA			
Tuesday	MATHS	INTERNAL VIVA		MATHS (L)		INTERNAL VIVA			
Wednesday	MATHS (L)	DSD	NT	EMW		MATHS			
Thursday	MATHS	ED	DSD	NT		MATHS			
Friday	MATHS	EMW	ED	NT		MATHS	DSD		

Subject Name with Code	Credits	Teacher's Name
BTEC-301-18 Electronic Devices (ED)	3	Ms. Malika Arora / Dr. Rajneesh Talwar
BTEC-302-18 Digital System Design (DSD)	3	Dr. Sajjan Singh
BTEC-303-18 Electromagnetic Waves (EMW)	4	Ms. Amarjeet Kaur
BTAM-303-18 Maths	3	Dr. Pooja Singhal
BTEC-304-18 Network Theory (NT)	4	Ms. Richa Mehta

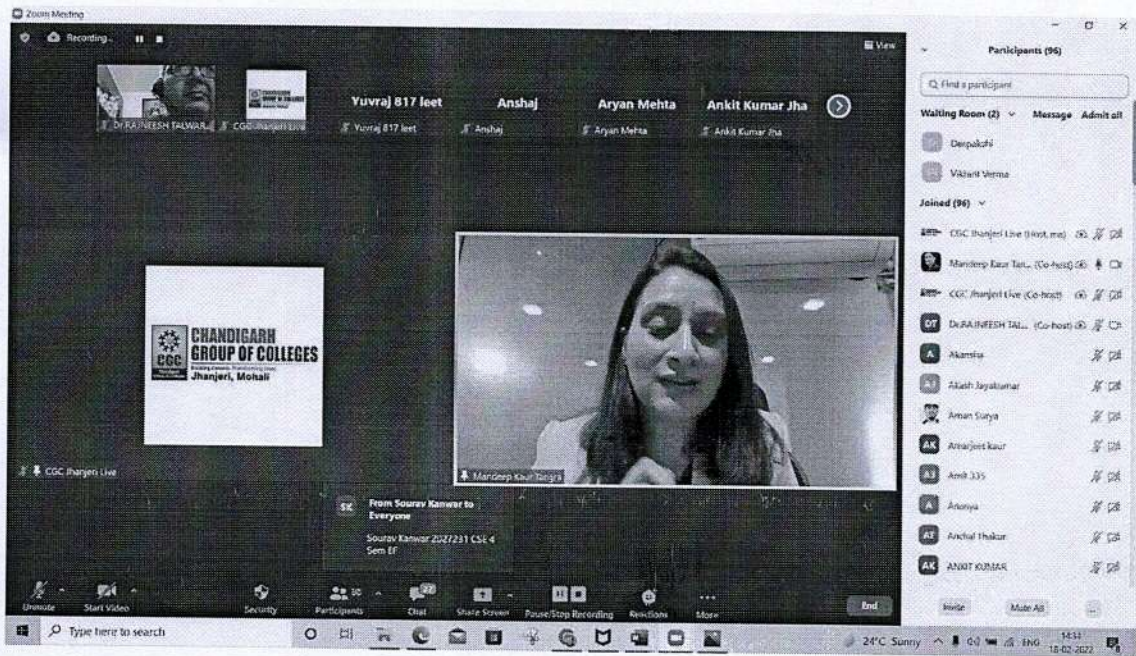
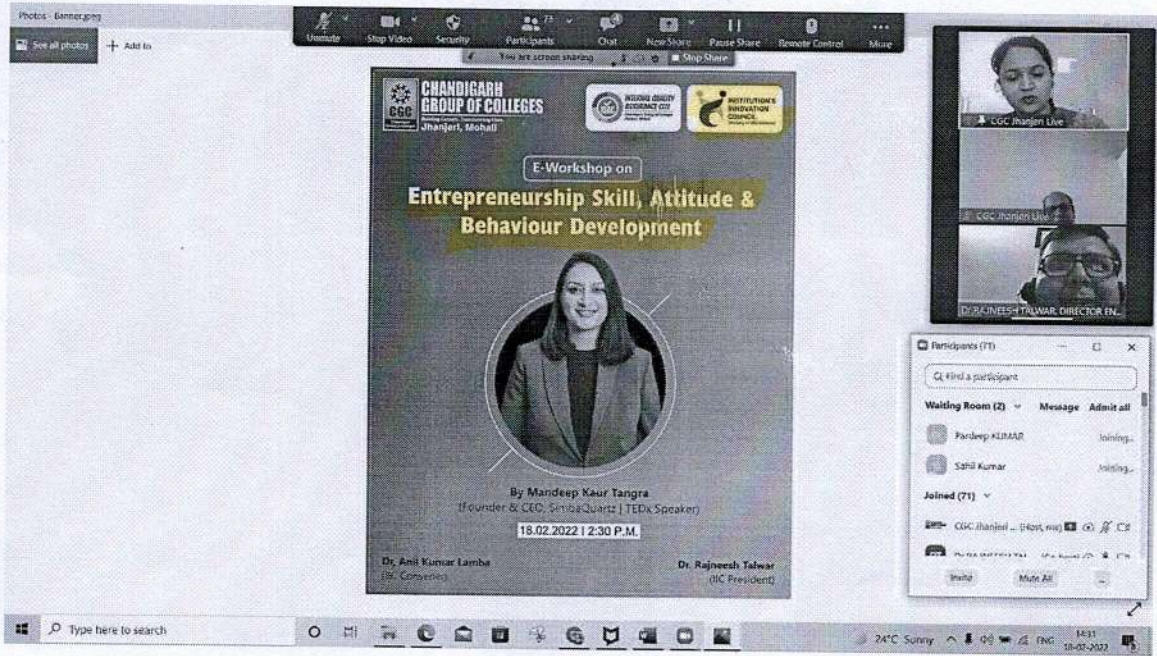
*Malika*  
Time-Table Incharge  
03/01/22

*[Signature]*  
3/1/22  
HOD ECE

*Dr. Vinod Kumar*  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali



**Dr. Vinod Kumar**  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali



Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali



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☎ 1800 274 0444

🌐 [www.cgc.ac.in](http://www.cgc.ac.in)

Dear All,

Greetings from Chandigarh Engineering College, Jhanjeri, Mohali!

On the 15th September 2022, the Chandigarh Engineering College Jhanjeri, Mohali in collaboration with the Institute Innovation Council will be hosting an "Engineer's Day 2022."

We cordially invite for the Engineer's Day on 15th September 2022 at our campus and we are honoured and pleased to invite the students of your respected institutes to join this event and participate. I hope we will get maximum participation from your side.

Every year Chandigarh Group of Colleges (CGC), Jhanjeri, celebrates Engineers Day in remembrance of Bharat Ratna Sir Vishwasaraya, the greatest engineer of India. Many events were organised on this occasion.

On this Engineer's Day, there are various Technical Events like - B-Plan Competition (Start up Ideas), CECJ-CODATHON, Technical Presentation, AUTO-CAD challenge, Robolympics, Project Display, Tech Charades, Technical Presentation, Technical Collage Cum Poster Presentation, Technical Quizzes, Boat-On, Survey Scout, Master Minds, Group Discussion, Mech Relay etc are waiting for you here.

Please use the following link for registration Engineer's Day 2022:  
Registration Link: <https://forms.gle/qeSqXYDp6xXNoeM2A>

In the case of any queries feel free to contact us.

**Dr. Sajjan Singh (Convenor)**  
hodecejhanjeri@cgc.ac.in  
Mobile No.:- +91 9812072809

**Vrnika Jain (Student Co-ordinator)**  
M-9416013002

**Mr. Syed Mohammad Arif (Co-Convenor)**  
arif.j507@cgc.ac.in  
Mobile No.:- +91 8847293512

**Nishtha Jain (Student Co-ordinator)**  
M- 6283272343

Hope you join the event and prove your worth.  
Thanks and Regards

Dr. Ashwani Sharma  
Dean academics  
Chandigarh Group of Colleges, Jhanjeri (Mohali)  
[www.cgc.ac.in](http://www.cgc.ac.in)  
[www.cecevents.in](http://www.cecevents.in)

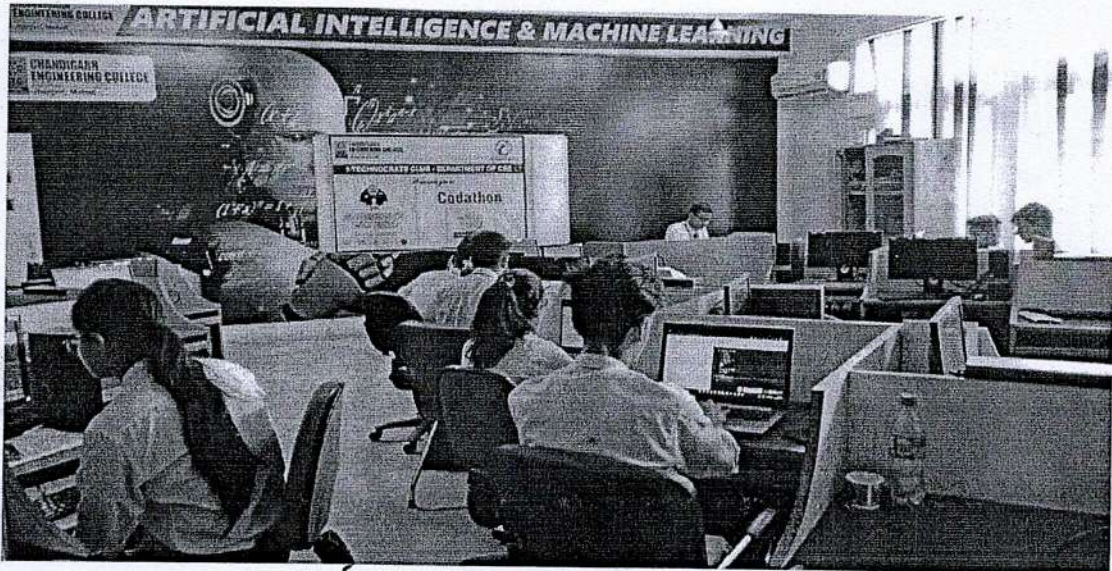
**Dr. Vinod Kumar**  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali



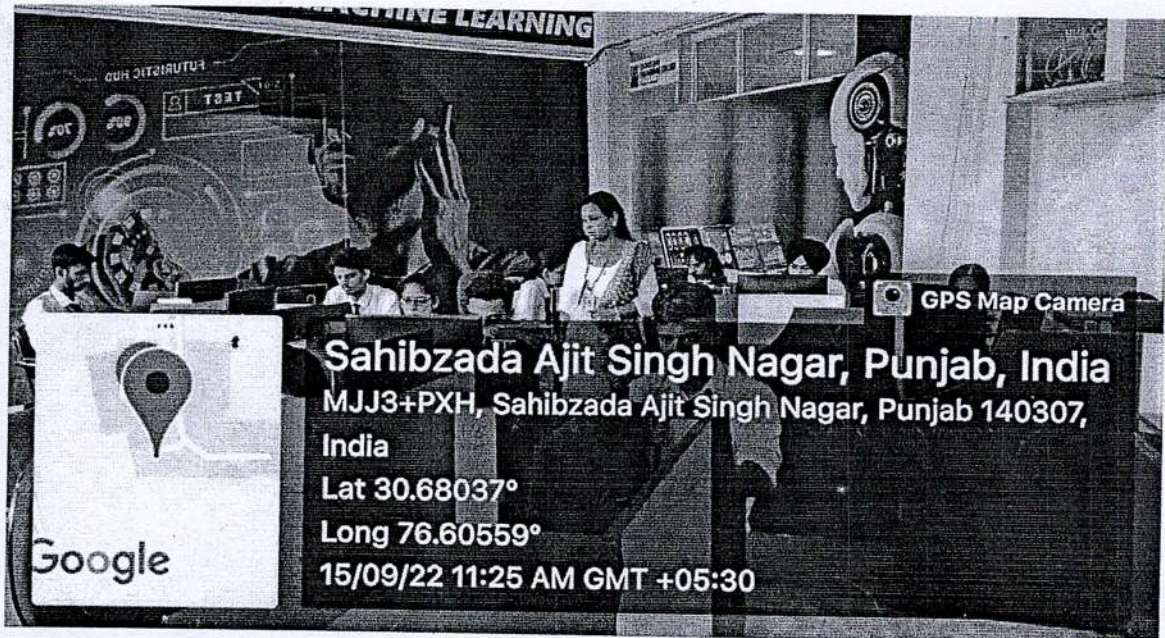
# CHANDIGARH GROUP OF COLLEGES

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Jhanjeri, Mohali

Photos of Code-A-Thon



"Code-A-Thon" event held on Engineer's Day on 15 Sept, 2022

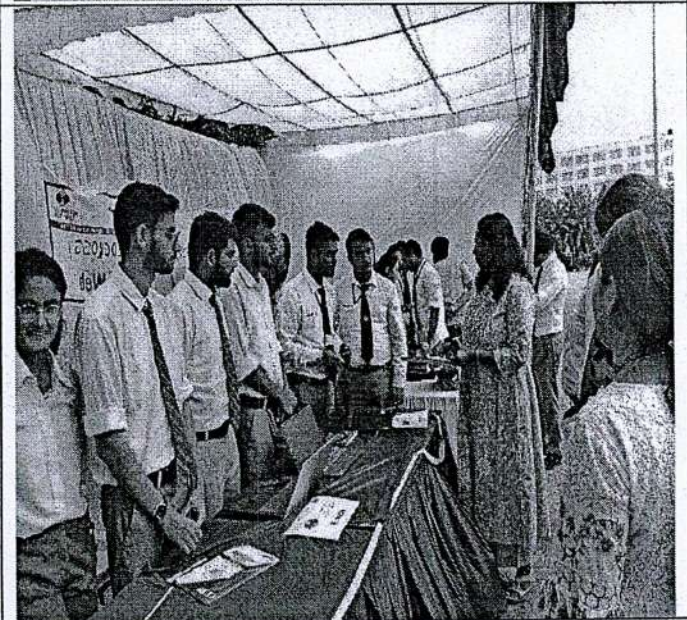
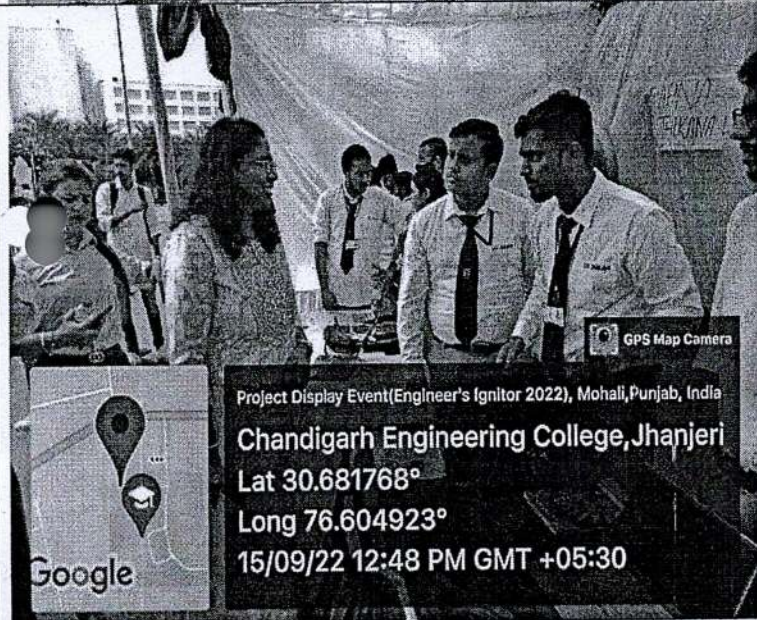
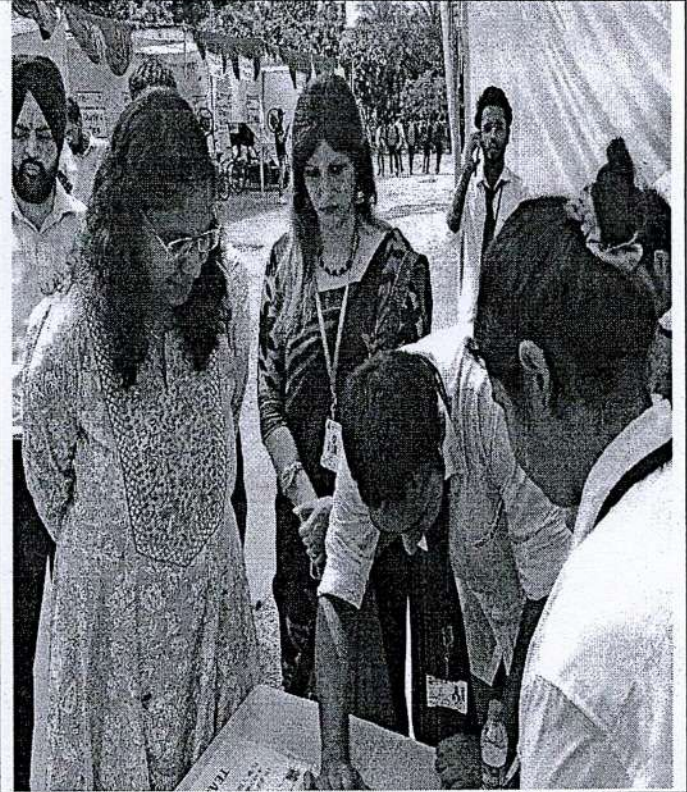
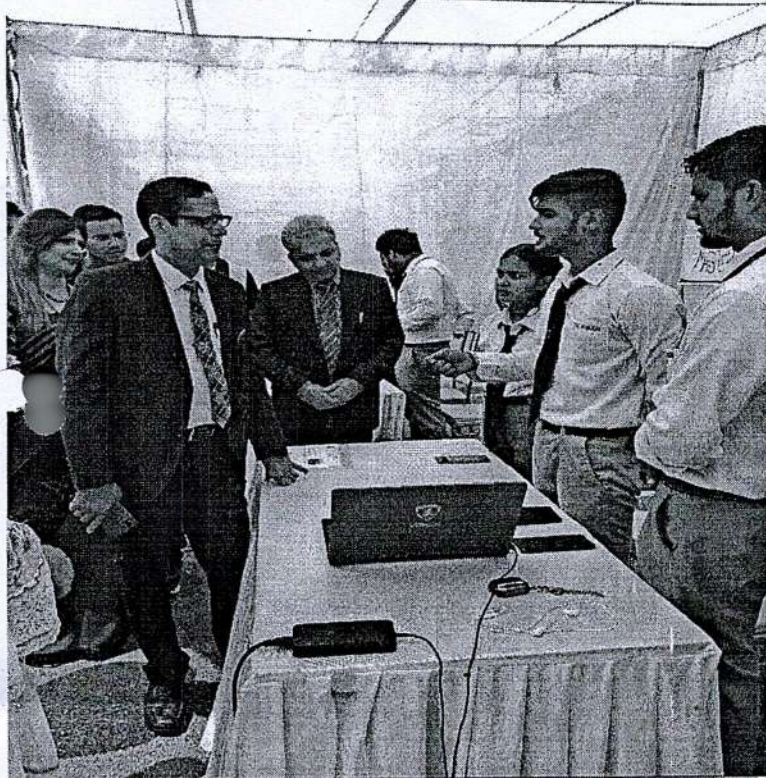


"Code-A-Thon" event held on Engineer's Day on 15 Sept, 2022

Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali



**Chandigarh Engineering College Jhanjeri**  
**Mohali-140307**  
**Department Of Computer Science & Engineering**



**Dr. Vinod Kumar**  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali



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ENGINEERING COLLEGE**  
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Jhanjeri, Mohali



**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Ministry of HRD Initiative)



# ENGINEER'S DAY 2K22

## Certificate of Appreciation

Certified that Mr./Ms. <sup>✓</sup>..... **KARISHMA**.....  
 S/D/o. <sup>✓</sup>..... **MR. BIPUL DASS**.....  
 Course/Branch **CSE B.TECH** of **CEC Jhanjeri** participated in **Technical Poster cum College Presentation**  
 & secured **1st** position during celebration of **Engineer's Day 2K22** organized by Chandigarh  
 Engineering College, Jhanjeri, Mohali, on 15th September 2022.

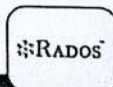
**Dr. Ashwani K. Sharma**  
Director, Engineering

**Dr. Neeraj Sharma**  
Executive Director

**Dr. Vinod Kumar**  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali

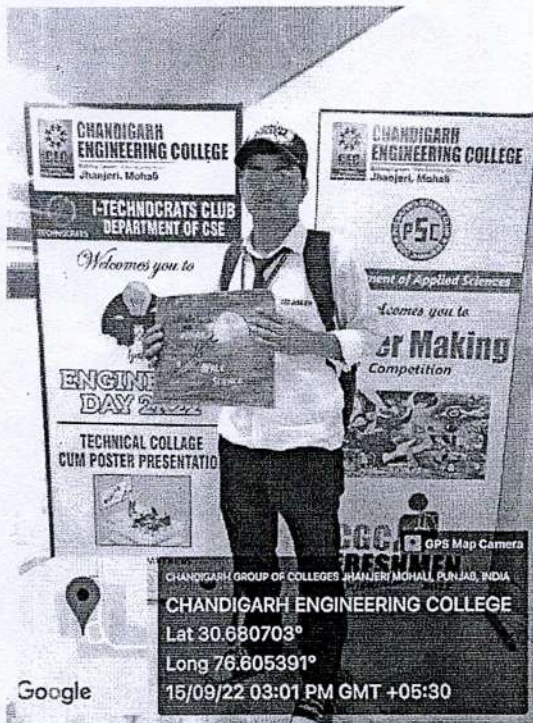
**S. Rashpal Singh Dhaliwal**  
President, CGC

### — SPONSORS/PARTNERS —





**Chandigarh Engineering College Jhanjeri**  
**Mohali-140307**  
**Department Of Computer Science & Engineering**



Students with their Work

*Dr. Vinod Kumar*  
 Director  
 Chandigarh Engineering College  
 Jhanjeri, Mohali





# ENGINEER'S DAY 2K22

## Certificate of Participation

Certified that Mr./Ms. SAHIL MANDHA

S/O to DEEPAK

Course/Branch B.TECH (AIHL) of 3rd SEM participated in PROTECT DISPLAY

during celebration of Engineer's Day 2K22 organized by Chandigarh Engineering College, Jhanjeri, Mohali, on 15th September 2022.

Dr. Ashwani K. Sharma  
Director, Engineering

Dr. Neeraj Sharma  
Executive Director

S. Rashpal Singh Dhaliwal  
President, CGC

— SPONSORS/PARTNERS —



Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali

# CHANDIGARH ENGINEERING COLLEGE JHANJERI, MOHALI

Department of Civil Engineering

A Report on  
Site Visit to Kaushalaya Dam  
Panchkula, Haryana



Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali



Chandigarh Engineering College Jhanjeri  
Mohali-140307

Department of Electronics and Communication Engineering

A Report on

Industrial Visit for Electronics & Communication Department 3rd Sem. B.Tech Students

at

**INDO SWISS TRAINING CENTER at CSIO, Chandigarh**

Visit Coordinator

A.P- Ms. Richa Mehta

A.P- Ms. Bhupinder Kaur

(Department of Electronics & Communication Engineering)

Organized & Managed By:

Department of Electronics & Communication Engineering, Jhanjeri

Date: 11th November, 2022



Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali

Ashutosh Mishra is presenting

**CHANDIGARH ENGINEERING COLLEGE**  
Department of ECE and CSE  
HC of CEC Jhanjeri & HGAC

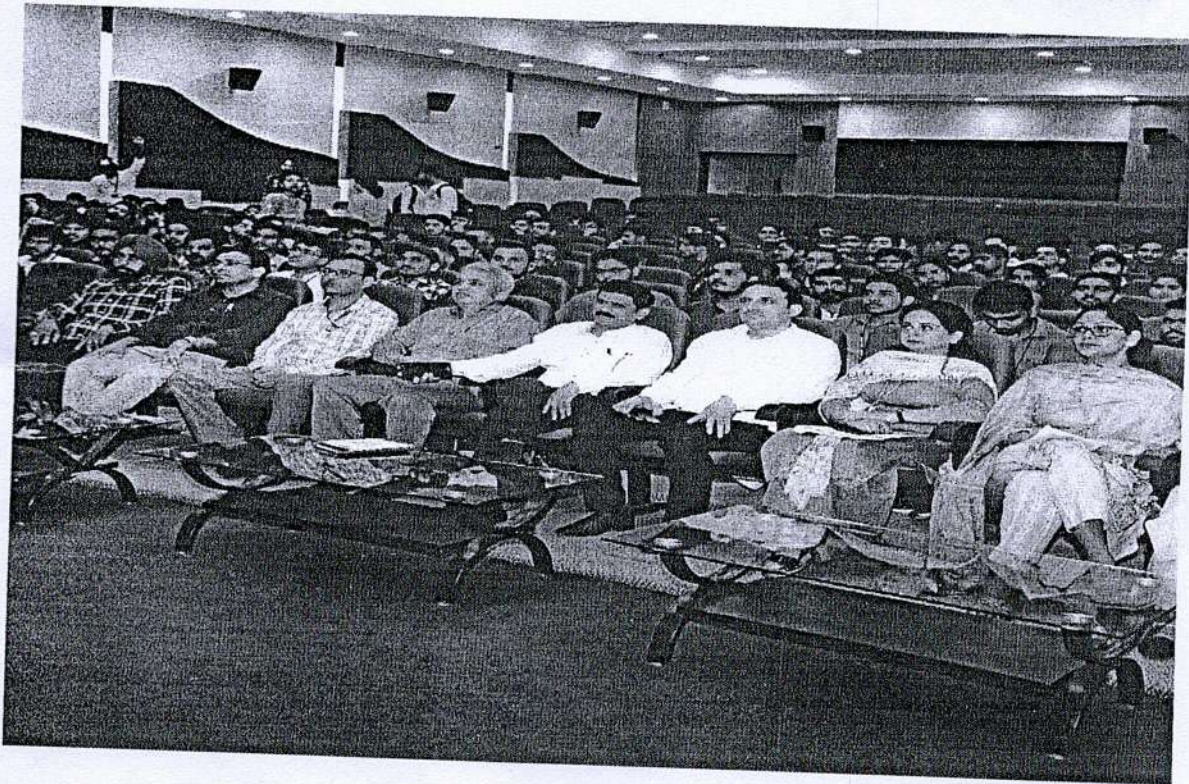
**ON-DEVICE ARTIFICIAL INTELLIGENCE (AI) IN AUTONOMOUS VEHICLES**

Date: 18.10.2022 (Wednesday)  
Time: 2:30 PM to 4:20 PM  
Venue: Auditorium, Chandigarh Engineering College, Jhanjeri

**Dr. Ashutosh Mishra**  
Research Professor (Brain Pool Fellow)  
School of Integrated Technology, Yonsei University, South Korea

2:44 PM | cpg-muzg-ghj

31°C Sunny 02:44 PM 18-10-2022



Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali



**Chandigarh Engineering College Jhanjeri,  
Mohali-140307  
Department of Mechanical & Engineering**

**Certificate of Participation**

ABHIY SINGH BHANDARI

has participated in the

**"Capacity Building Training Programme on Energy  
Conservation Building Code-2017 & Eco-Niwas Samhita-2018"**

Topic: Technical Detailing for Implementation of ECBC & EENS

Organized by

Punjab Energy Development Agency (PEDA)

in association with

Bureau of Energy Efficiency (BEE), Ministry of Power, Government of India

at CII, Sector 31-A Chandigarh

  
ECBC Master Trainer

Date: 13<sup>th</sup> May 2022

  
Director  
Punjab Energy Development Agency  
Chandigarh

**Certificate of Participation**

PRIYANSHU JOSHI

has participated in the

**"Capacity Building Training Programme on Energy  
Conservation Building Code-2017 & Eco-Niwas Samhita-2018"**

Topic: Technical Detailing for Implementation of ECBC & EENS

Organized by

Punjab Energy Development Agency (PEDA)

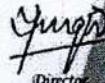
in association with

Bureau of Energy Efficiency (BEE), Ministry of Power, Government of India

at CII, Sector 31-A Chandigarh

  
ECBC Master Trainer

Date: 13<sup>th</sup> May 2022

  
Director  
Punjab Energy Development Agency  
Chandigarh

  
Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali



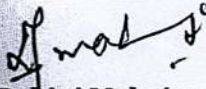
# Chandigarh Engineering College Jhanjeri

Mohali-140307

## Department Of Computer Science & Engineering

### GAPS IN THE SYLLABUS

SNO	DESCRIPTION	PROPOSED ACTIONS
1	Static & Dynamic Memory Allocation	I. Covered in class via PPTs. (19-4-22) II. Following NPTEL video was also shared with students on Gclassroom <u>NPTEL : NOC:Programming in C++ (Computer Science and Engineering) (digimat.in)</u>
2	Segmentation	Covered in class via PPTs. (14-4-22)

  
Er. Rohini Mahajan  
Department of CSE

  
Dr. Sahil Vashist  
HOD CSE

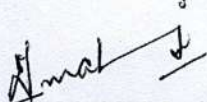
  
Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali

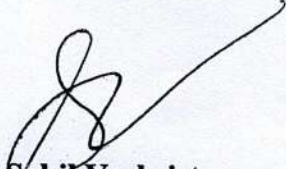


**Chandigarh Engineering College Jhanjeri**  
**Mohali-140307**  
**Department Of Computer Science & Engineering**

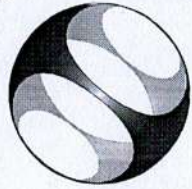
**CONTENT BEYOND SYLLABUS**

SNO	DESCRIPTION	PROPOSED ACTIONS
1	Protection & Security	Covered in class via PPTs. (30-5-22)

  
**Er. Rohini Mahajan**  
Department of CSE

  
**Dr. Sahil Vashist**  
HOD CSE

  
**Dr. Vinod Kumar**  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali



Spoken Tutorial  
Project at  
IIT Bombay

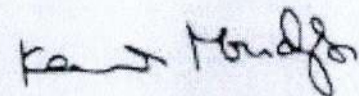
## Certificate for Completion of Java Training

This is to certify that **SONU ANAND** has successfully completed **Java** test organized at **CGC Technical Campus, Jhanjeri** by **SONIA BHUKRA** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

**Manbir Brar** from **CGC Technical Campus, Jhanjeri** invigilated this examination. This training is offered by the Spoken Tutorial Project, IIT Bombay.

December 16th 2021

  
Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali

  
Prof. Kannan M Moudgalya  
IIT Bombay

Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT,  
Ministry of Education (previously MHRD), Govt. of India






Spoken Tutorial  
Project at  
IIT Bombay

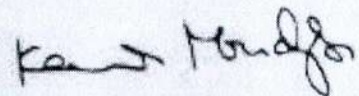
## Certificate for Completion of Java Training

This is to certify that **CHIRAG DHIMAN** has successfully completed **Java** test organized at **CGC Technical Campus, Jhanjeri** by **SONIA BHUKRA** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

**Manbir Brar** from **CGC Technical Campus, Jhanjeri** invigilated this examination. This training is offered by the Spoken Tutorial Project, IIT Bombay.

December 16th 2021

  
**Dr. Vinod Kumar**  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali

  
**Prof. Kannan M Moudgalya**  
IIT Bombay

Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India



Stream

Classwork

People

Marks

Customise

# ARTIFICIAL INTELLIGENCE 7TH SEM ICT



Announce something to your class

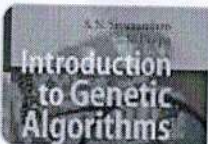


**Dr. Sarabpreet Kaur**  
3 Nov (Edited 10:58)



Dear Students

Find the e book of Genetic algorithms as attached



Introduction to Genetic Algorithms (...  
PDF

*Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali*



# ARTIFICIAL INTELLIGENCE 7TH SEM

ICT



Stream

Classwork

People

Marks



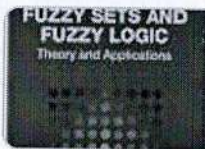
**Dr. Sarabpreet Kaur**

28 Sept (Edited 10:58)



Dear Students

Find the e book of Fuzzy logic as attached. You can refer to this for 3rd Unit



fuzzy sets and fuzzy logic ( PDFDriv...

PDF



Add class comment...



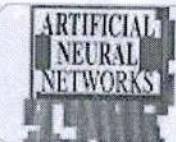
**Dr. Sarabpreet Kaur**

22 Sept (Edited 10:58)



Dear Students

Find the e book of Artificial Neural Networks as attached



ann-by-byegnanarayanapdf.pdf

PDF

*Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Chandigarh, Mohali*



Add class comment...



# ≡ DIGITAL SIGNAL PROCESSING 2022



Stream

Classwork

People

Marks



**Dr. Sarabpreet Kaur**

28 Sept



Dear Students

Find the Notes of DIT FFT and DIF FFT as attached



**CEC.ECE.5th.DSP.UNIT2.FFT.pdf**  
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**CEC.ECE.5TH.DSP.UNIT2.FFT.SECON...**  
PDF



**CEC.ECE.5TH.DSP.UNIT2.FFT3.pdf**  
PDF



**CEC.ECE.5TH.UNIT2.DIF FFT.pdf**  
PDF



Add class comment...



**Dr. Sarabpreet Kaur**

28 Sept



Dear Students

Find attached another ebook of Digital Signal Processing by Proakis.

*Dr. Vinod Kumar*  
Director  
Chandigarh Engineering College  
Mohali



**Chandigarh Engineering College Jhanjeri**  
**Mohali-140307**  
**Department of Computer Science & Engineering**


**ACADEMIC YEAR 2021-22**

**ACTIVITY ORGANIZED REPORT**

**Date: 31 MAY, 2022**

<b>Name of Activity organized</b>	Add On Course
<b>Title of the Activity</b>	CS-WEB TECHNOLOGY
<b>Coordinators</b>	ER. GOPAL KRISHNA, Asst. Prof., CSE
<b>Place of the Activity</b>	CEC JHANJERI
<b>No. of Participants</b>	199 in CS- WEB TECHNOLOGY
<b>No. of Participants completed certification criteria</b>	182 in CS- WEB TECHNOLOGY
<b>Name &amp; Designation of Expert</b>	ER. GOPAL KRISHNA, Asst. Prof., CSE
<b>Summary of the Activity</b>	The Add On Course for Academic year 2021-22 for session Jan-June 2022 was successfully organized. The course covered was CS-WEB TECHNOLOGY. Total 199 students registered for the course and 182 successfully completed the course. The objective of this course was to make students ready for real life and industry level projects.

*Dr. Vinod Kumar*  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali

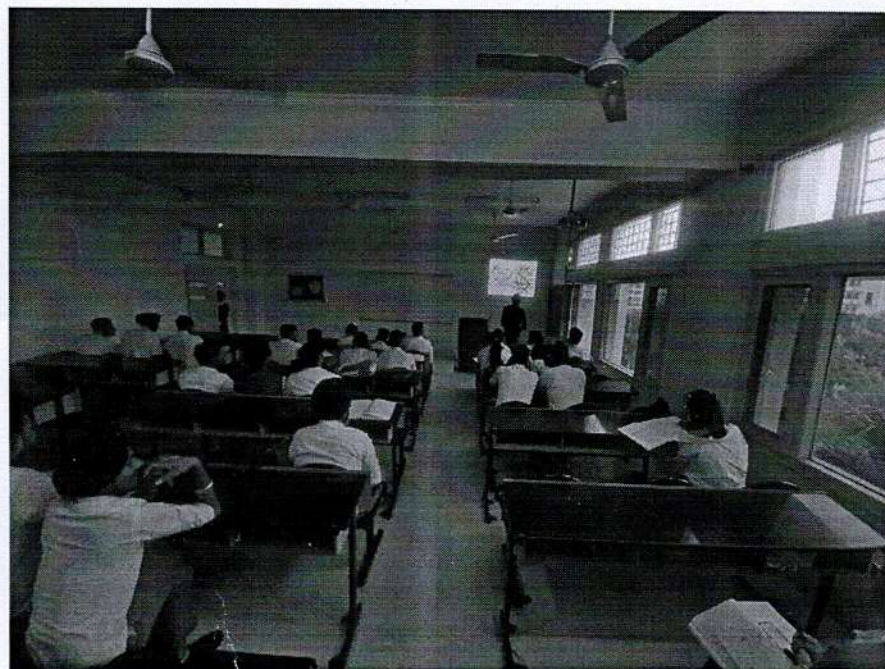
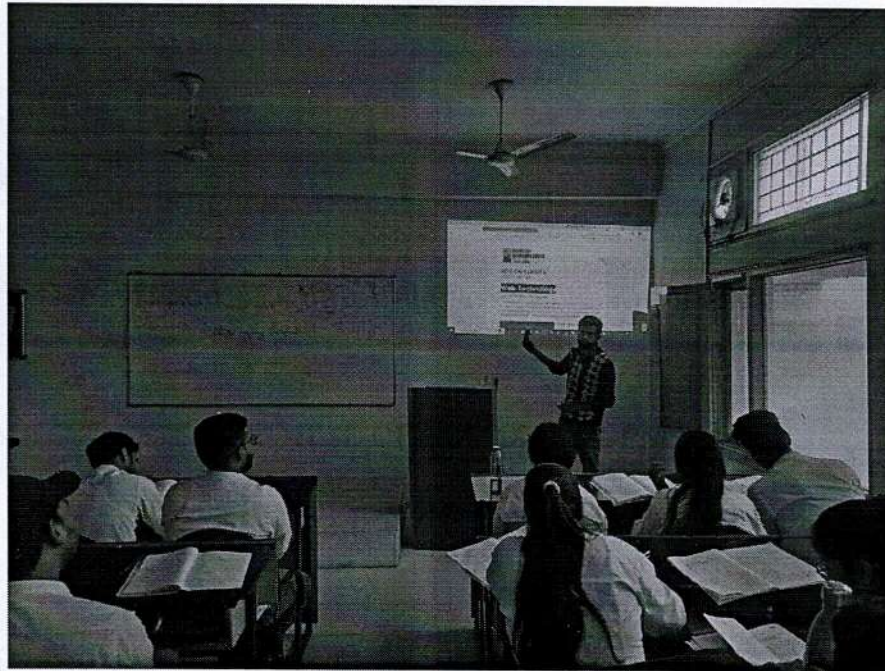
  
**DR. SAHIL VASHISHT**  
HOD (CSE & AIML)



**Chandigarh Engineering College Jhanjeri**  
**Mohali-140307**  
**Department of Computer Science & Engineering**

**GLIMPSE OF ADD ON COURSE**

**WEB TECHNOLOGY**



*Dr. Vinod Kumar*  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali



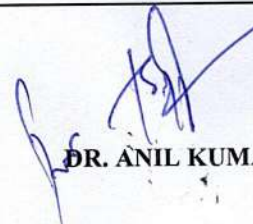
**Chandigarh Engineering College Jhanjeri**  
**Mohali-140307**  
**Department of Computer Science & Engineering**

**ACADEMIC YEAR 2021-22**

**ACTIVITY ORGANIZED REPORT**

**Date:20 Dec, 2021**

<b>Name of Activity organized</b>	Add On Course
<b>Title of the Activity</b>	CS-JAVA
<b>Coordinators</b>	ER. AASTHA SOOD, Asst. Prof., CSE
<b>Place of the Activity</b>	CEC JHANJERI
<b>No. of Participants</b>	193 in CS-JAVA
<b>No. of Participants completed certification criteria</b>	186 in CS-JAVA
<b>Name &amp; Designation of Expert</b>	ER. AASTHA SOOD, Asst. Prof., CSE
<b>Summary of the Activity</b>	The Add On Course for Academic year 2020-21 for session July-Dec 2021 was successfully organized. The course covered was CS-JAVA. Total 193 students registered for the course and 186 successfully completed the course. The objective of this course was to make students ready for real life and industry level projects.

  
**DR. ANIL KUMAR LAMBA**  
HOD (CSE)

  
**Dr. Vinod Kumar**  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali



Chandigarh Engineering College Jhanjeri  
Mohali-140307  
Department of Computer Science & Engineering

ACADEMIC YEAR 2021-22

**ACTIVITY ORGANIZED REPORT**

Date: 20 Dec, 2021

Name of Activity organized	Add On Course
Title of the Activity	AIML-JAVA
Coordinators	ER. AASTHA SOOD, Asst. Prof., CSE
Place of the Activity	CEC JHANJERI
No. of Participants	66 in AIML-JAVA
No. of Participants completed certification criteria	66 in AIML-JAVA
Name & Designation of Expert	ER. AASTHA SOOD, Asst. Prof., CSE
Summary of the Activity	The Add On Course for Academic year 2020-21 for session July-Dec 2021 was successfully organized. The course covered was AIML-JAVA. Total 66 students registered for the course and 66 successfully completed the course. The objective of this course was to make students ready for real life and industry level projects.

  
DR. ANIL KUMAR LAMBA  
HOD (CSE)

  
Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali





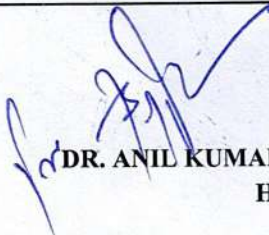
Chandigarh Engineering College Jhanjeri  
Mohali-140307  
Department of Computer Science & Engineering

ACADEMIC YEAR 2021-22

**ACTIVITY ORGANIZED REPORT**

Date:20 Dec, 2021

Name of Activity organized	Add On Course
Title of the Activity	CS-ADVANCE JAVA
Coordinators	DR. RINI SAXENA, Professor, CSE
Place of the Activity	CEC JHANJERI
No. of Participants	390 in CS-ADVANCE JAVA
No. of Participants completed certification criteria	385 in CS-ADVANCE JAVA
Name & Designation of Expert	DR. RINI SAXENA, Professor, CSE
Summary of the Activity	The Add On Course for Academic year 2020-21 for session July-Dec 2021 was successfully organized. The course covered was CS-ADVANCE JAVA. Total 390 students registered for the course and 385 successfully completed the course. The objective of this course was to make students ready for real life and industry level projects.

  
DR. ANIL KUMAR LAMBA  
HOD (CSE)

  
Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali

**Memorandum of understanding (MoU)**

Agreement between  
**Chandigarh Institute of Drones**  
(Mohali-160059, Punjab)  
**And**  
**Chandigarh Engineering College Jhanjeri**  
(Mohali-140307, Punjab)

This Memorandum of understanding (MoU) prepared this on 7/12/2021 by and between Chandigarh Engineering College Jhanjeri (hereinafter referred to as "CECJ") and Chandigarh Institute of Drones (hereinafter referred to as "CID"), each a "Party" and collectively the "Parties". The provisions of this MoU shall apply to discussions, working papers, proposal documents, and subsequent contracts awarded in conjunction with CECJ to CID, Mohali.

**WITNESS**


**WHEREAS**, Chandigarh Group of Colleges, Jhanjeri was established by S. Rashpal Singh Dhaliwal – President in the year 2012 is a premier educational institution well-known for offering the best education and academic environment that nurture excellence among the students. Several other persons have also contributed generously to make the institution a first rate skills Academy for imparting Training Education & make students worthy citizens of free India with a will to serve the Nation.

**WHEREAS**, CID is a prestigious company engaged in providing quality training education in engineering non-engineering and technology and conducting online, offline training programs of the highest standard.

**NOW, THEREFORE**, in consideration of the premises & promises here in contained, it is mutually agreed as follows:



Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali



**MEMORANDUM OF  
UNDERSTANDING (MOU)**

BETWEEN

Chandigarh Engineering College, Jhanjeri

&

**WONDER SYSTEMS INDIA PRIVATE  
LIMITED, MOHALI**

FOR

  
Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali

**SKILL DEVELOPMENT, OUTCOME BASED TRAININGS,  
PLACEMENT, R&D & RELATED SERVICES**



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E192 Phase 8B, Sector 74,



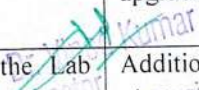
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**Chandigarh Engineering College Jhanjeri,**  
**Mohali-140307**  
**Department of Computer Science & Engineering**

**Action Taken Report for the Analysis of Feedback collected from *students***  
**during the academic year**

Feedback Collected from Subject	No of responses	Threshold	Questionnaire's with response below threshold	Action Taken	Evidence
COA Lab	58	80 % very Good and Good	1. Working Condition of the Equipment	Software's updated in all labs	Software's updated
			2. Quality of the Manuals provided at the Lab	<ul style="list-style-type: none"> <li>Additional experiments conducted in the LAB</li> <li>Topic beyond syllabus and gaps in syllabus to cover extra experiments</li> </ul>	Material provided to students in the google classroom
DAA	58	80 % very Good and Good	1. Assistance provided during the experiment	Projects implementation in labs by faculty	Viva's taken to verify the performance during lab
			2. Utilization of the Lab time	Additional experiments given to students	
OS	58	80 % very Good and Good	1. Assignment/Exam papers discussed in the class room	Previous year papers discussed with students	Material provided to students in google classroom
			2. Effectiveness of the teaching methods used	Faculty members are utilizing video lectures and NPTEL videos, and utilizing different pedagogies	NPTEL videos and video lectures added in the course plan
OS LAB	58	80 % very Good and Good	1. Working Condition of the Equipment	Computer systems are upgraded	
			2. Utilization of the Lab time	Additional experiments given to students	


  
 Director  
 Chandigarh Engineering College  
 Jhanjeri, Mohali



**Chandigarh Engineering College Jhanjeri,  
Mohali-140307  
Department of Computer Science & Engineering**

Discrete Mathematics	84	80 % very Good and Good	Additional information related to the subject	Extra numericals and examples will be provided by the teacher	Extra material provided in the google classroom
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Co-ordinator  
Ms. Sumanpreet Kaur

  
Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali



# Chandigarh Engineering College Jhanjeri

Mohali-140307

Department of Electronics & Communication Engineering

## Action Taken Report for the Analysis of Feedback collected from Students during the academic year (Jan-May 2022)

Feedback Collected from	30 students	Threshold	Questionnaire's with response below threshold	Action Taken	Evidence
Subject	Analog Circuits Lab	80 % very Good and Good	Working condition of the equipment	Kits updated in the lab	All kits in working condition
	Microprocessors and Microcontroller lab	80 % very Good and Good	Additional Information provided related to the experiment	Content beyond experiment covered in lab	Content uploaded in google classroom
	Analog Circuits	80 % very Good and Good	Class time is properly utilized	Revision of the topic in the last 5 minutes	Revision done in last 5 to 10 minutes
	Environmental Science	80 % very Good and Good	Class time is properly utilized	Discussion in the last 10 minutes of lecture	Students satisfaction
	Data Structures and Algorithms	80 % very Good and Good	Language clarity	Faculty informed and the issue was resolved	Students satisfaction
	Microprocessors and Microcontroller	80 % very Good and Good	Assignment/Exam papers discussed in the class room	Previous year papers discussed with students	Material provided to students in google classroom

HOD ECE

Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali



**Chandigarh Engineering College, Jhanjeri**  
**Mohali-140307**  
**Department of Mechanical Engineering**

**Action Taken Report for the Analysis of Feedback collected from Students during the academic year**

Feedback Collected from	Feedback response	Threshold	Questionnaire's with response below threshold	Action Taken	Evidence
Subject	Applied Thermodynamics Lab	80 % very Good and Good	1. Working Condition of the Equipment	Maintenance of petrol engine and diesel engine	Quotation send
			2. Quality of the Manuals provided at the Lab	<ul style="list-style-type: none"> <li>Additional experiments conducted in the LAB</li> <li>Topic beyond syllabus and gaps in syllabus to cover extra experiments</li> </ul>	Material provided to students in the Google classroom & share in whatapp group class also
	Material Engineering Lab	80 % very Good and Good	1. Assistance provided during the experiment	Projects implementation in labs by faculty	Viva's taken to verify the performance during lab
			2. Utilization of the Lab time	Additional experiments given to students	
	Fluid Machinery lab	80 % very Good and Good	1. Assignment/Exam papers discussed in the class room	Previous year papers discussed with students	Material provided to students in Google classroom & Viva's taken to verify the performance during lab
			2. Effectiveness of the teaching methods used	Faculty members are utilizing video lectures and NPTEL videos, and utilizing different pedagogies	NPTEL videos and video lectures added in the course plan
	Refrigeration and Air conditioning LAB	80 % very Good and Good	1. Working Condition of the Equipment	All machines equipment are maintained.	Viva's taken to verify the performance during lab




**Chandigarh Engineering College, Jhanjeri  
Mohali-140307**

**Department of Mechanical Engineering**

			2. Utilization of the Lab time	Additional experiments given to students	
	Automobile Engineering	80 % very Good and Good	Additional information related to the subject	Automobile sector industry organizations involved in the design, development, manufacturing, marketing, and selling of motor vehicles and new idea examples will be discuss by the teacher	Extra material provided in the Google classroom & Viva's taken to verify the performance during lab

  
Co-ordinator

Er. Sarabjit Singh

  
Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali





**Chandigarh Engineering College Jhanjeri**  
**Mohali-140307**  
**Department of Civil Engineering**

**Teaching Learning Feedback 4<sup>th</sup> Semester (Batch 2020-24)**

The students of 4<sup>th</sup> semester submitted their feedback on teaching methodology for the session January – July 2022. Civil Engineering Department issued a Google form seeking their valuable feedback for the improvement of teaching methodology and to assess the effectiveness of the civil engineering program. The following points emerged from the feedback


Subject	No. of Responses	Threshold	Question with answer	Action taken	Evidence
Disaster Preparedness and Planning	30	10% Fair	Utilization of class time	Delivery of notes reduced	Smart class method used
	30	10% Fair	Subject Professionalism	Emphasis on models	Site visits done
	30	10% Fair	Language clarity	English and Hindi used	As per rules of college
	30	10% Fair	Syllabus coverage	PPT of syllabus taught in class	PPTs shared with students
	30	16% Fair	Additional Information shared in class	Past earthquake discussed	PPT and notes shared with students
	30	20% Fair	Motivation	Students boosted up for future	Live sessions conducted
Transportation Engineering	30	20% Fair	Utilization of class time	Delivery of notes reduced	Notes sent to students on groups
	30	10% Fair and poor	Professionalism in subject coverage	Emphasis on models	Site visits done
	30	13% Fair	Language clarity	English and Hindi used	As per college rules
	30	13% Fair and poor	Syllabus coverage	PPT of topics shared	PPT shared with students
	30	10% Fair and Poor	Additional information shared	Past accidents discussed	PPT and notes shared with students
	30	10% Fair and Poor	Motivation	Students boosted for future	Live sessions conducted

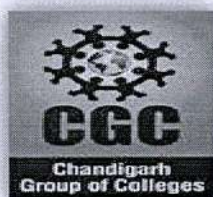


**Chandigarh Engineering College Jhanjeri**  
**Mohali-140307**

**Department of Civil Engineering**

EVS	30	13% Fair and Poor	Utilization of class time	Delivery of notes reduced	Study through PPTs
	30	10% Fair and Poor	Professionalism in subject coverage	Faculty asked to discuss case studies	Case studies shared with students
	30	10% Fair and Poor	Effectiveness in teaching	Use of PPT	PPT shared with students
	30	13% Fair and Poor	Motivation to students	Guide students about future struggles	Mentor mentee classes attended

  
Dr. Vinod Kumar  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali



**Chandigarh Engineering College Jhanjeri**  
**Mohali-140307**  
**Department of Civil Engineering**

**Teaching Learning Feedback 6<sup>th</sup> Semester (Batch 2019-23)**

The students of 6<sup>th</sup> semester submitted their feedback on teaching methodology for the session January – July 2022. Civil Engineering Department issued a Google form seeking their valuable feedback for the improvement of teaching methodology and to assess the effectiveness of the civil engineering program. The following points emerged from the feedback

Subject	No. of Responses	Threshold	Question with answer	Action taken	Evidence
Foundation Engineering	58	22% Fair	Utilization of class time	Delivery of notes reduced	Smart class method used
	58	16% Fair and poor	Subject Professionalism	Emphasis on models	Site visits done
	58	16% Fair and poor	Language clarity	English and Hindi used	As per rules of college
	58	20% Fair	Syllabus coverage	PPT of syllabus taught in class	PPTs shared with students
	58	16% Fair	Additional Information shared in class	Past foundations discussed	PPT and notes shared with students
	58	27% Fair	Motivation	Students boosted up for future	Live sessions conducted
CAD	58	22% Fair	Utilization of class time	Delivery of notes reduced	Smart class method used
	58	13% Fair and poor	Syllabus coverage	PPT of topics shared	PPTs shared with students
	58	13% Fair and Poor	Additional information shared	Cad discussed in lab	Labs were conducted
	58	19% Fair and Poor	Motivation	Students boosted for future	Mentor classes conducted

*Dr. Vinod Kumar*  
Director  
Chandigarh Engineering College  
Jhanjeri, Mohali