

2.3.1. Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

In order to meet the growing technical demands of the industry and to enhance the professional learning capability of the students, the Institute adheres to the blended learning approach. Student Centric Learning is implemented, keeping in view the changing study patterns.

Blended learning:

Faculties of ICEM inculcate this learning approach as hybrid teaching methodology. It's a formal educational program that combines the traditional classroom teaching methods with digital media.

Experimental learning / Experiential learning:

The faculty members take keen interest in guiding the students to solve the lab assignments and real world problems by performing experiments in the laboratories by learning through workshops, Industrial visits, internships, seminars, attending various competitions/conferences/summits/technical events/symposiums, Study tours & Site Visits.

Collaborative/Participative Learning:

Students are actively involved and assigned tasks in groups to acquire application oriented knowledge, amalgamation of ideas and develop team spirit by organizing and participating in events like, Tech-fest, Innovation Summit, Smart India Hackathon, Learnathon etc.

Case Based Learning:

Industrial problems and business case studies of the current scenario are discussed with the students to make them aware of the causes, effects, results, and consequences.

Product/Project Based Learning:

Real time problems are shared with students to test and evaluate their application of domain knowledge, innovation and technical skills for the benefit of the society.




Principal
Shree Chanakya Education Society's
Indira College of Engineering & Management
Parandwadi, Pune.

NAAC 2.3

Sr. No	Type of Student Centric Method	No of Activities	Particulars
1	Experimental/ Experiential learning:	10	Industry Visit
			Internship
			Seminar
			Tech Fest report
			Handson Workshop
			Guest Lecture
			Project Based Learning
			Alumni Talk
			German Language
			Software Training
2	Collaborative/Participative Learning: 1. Think Pair Share 2. Case Based Learning	5	Hackathon
			Larnathon
			Think Pair share report - coursewise
			Conference report
			Case study report
4	Problem Solving Methodology:	2	Bussiness scenario based learning
			Sponcered industry project one page report
5	Blended learning:	2	ICT reports programme wise
			Sample planner

Note:

- 1.All above mentioned Learning methodologies need to be included while prepraing Teaching plan.
- 2.Relevant documents like one page report,attendance, notice,feedback and Geo Tag photographs need to be maintained
- 3.Those techniques need to be mapped in indirect attainment.

3.1 PROJECT IDEA

As, the development of many interactive applications in human computer interaction, human action recognition has obtained an increasing amount of attention in the pattern recognition and computer vision communities. Dynamic hand gesture recognition is a crucial part of human action recognition. However, the task is challenging because of the high variability of shape and the serious occlusion between fingers. It is hard to capture such abundant dynamic hand gestures with a monocular video sensor, and this disadvantage limits the performance of video-based hand gesture recognition. In recent years, innovative depth sensors, such as the Leap Motion controller (LMC) and Microsoft Kinect sensor, which provide three-dimensional (3-D) depth data of the scene, have contributed much to object segmentation and 3-D hand gesture recognition. Moreover, Potte: et al.[4] proved the potential to recognize hand gestures with the LMC in . Therefore, in this system, we recognize dynamic hand gestures with a LMC. Unlike the Kinect sensor and other depth sensors, the output of the LMC is the depth data which consists of palm direction, fingertips positions, palm center position, and other relevant points. Therefore, no extra computational work is needed to get these information. Dynamic hand gesture recognition is considered to be the problem of sequential modeling and classification. This system specifically offers a solution to depth data frame sequence classification with the corresponding hand gesture model in hand gesture recognition.

3.2 MOTIVATION OF THE PROJECT

As, leap motion are the device used to capture 3D view and to recognize the gestures. And most essential thing is that to play with leap motion there is no need to wear indicators for detection of environment so this motivated to design a system using this features and implement it.

3.3 LITERATURE SURVEY

The topic of this paper concerns a way of robotic manipulator control with use of hand gestures. The previously developed hand landmarks detection and localization



Department of Mechanical Engineering

Report on ICT tools usage

Date: 28/02/2022

Details:

We at Mechanical Engineering Department use MS teams for conducting lectures. Use one drive for multiple accessing of the data shared on cloud and perform the collaborative tasks, storing the recordings of the lectures. Whiteboard is used as a digital canvas for sharing the content.

Many of us use power point presentations for delivering the lectures, share the links for NPTEL videos. Using departmental portal <http://www.a4u.co.in/#Home>

At the beginning we use Zoom for conducting lectures, as the students mail ID of Microsoft Outlook are being created after the confirmation of admission. Once the students get the mail ID we gradually shift to MS teams and train the students and make them familiar with all the tools available in MS teams.

Parent Teachers Meet conducted on MS Teams where parents joined using students ids.

Google classroom is also used for sharing the content, google forms for conducting exams and evaluating and posting the results, attendance marking, and getting feedbacks from students.

Cameras have been installed in each classroom for virtual view of black board teaching.

Important notifications are being shared on Telegram Channel for the faster communication both to students and parents. Also by using departmental portal for HOD, Staff, project related notices <http://www.a4u.co.in/#Faculty>

Virtual Lab link <https://www.vlab.co.in/broad-area-mechanical-engineering>



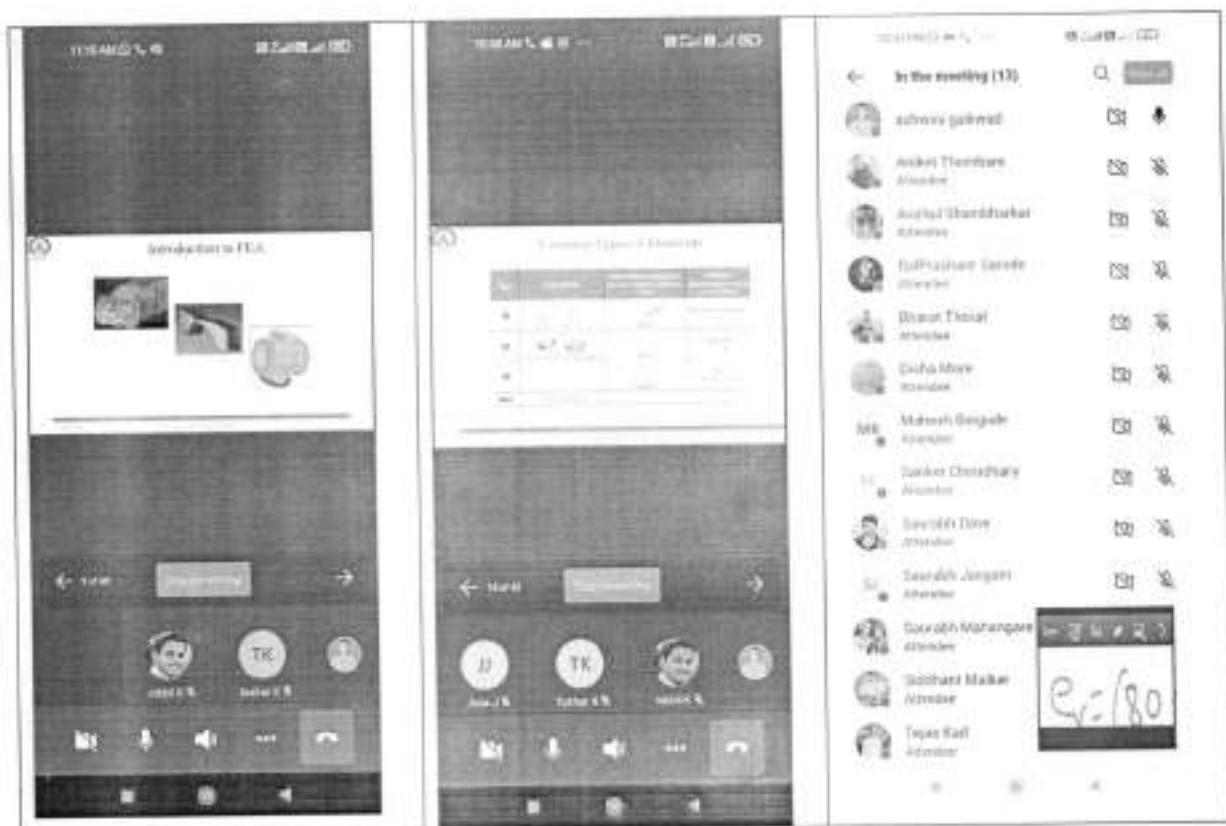
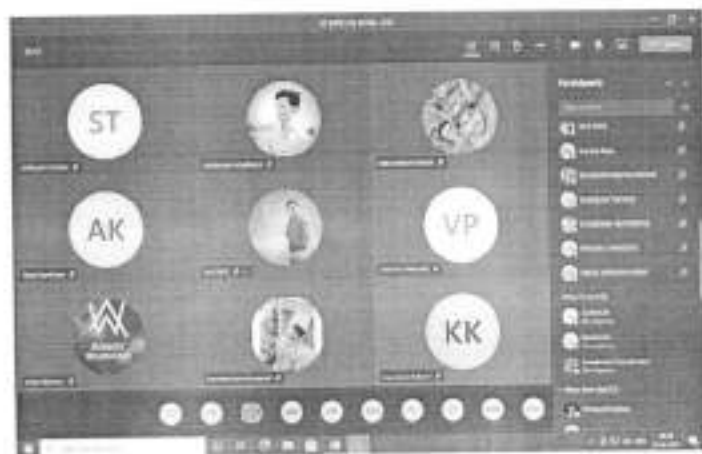


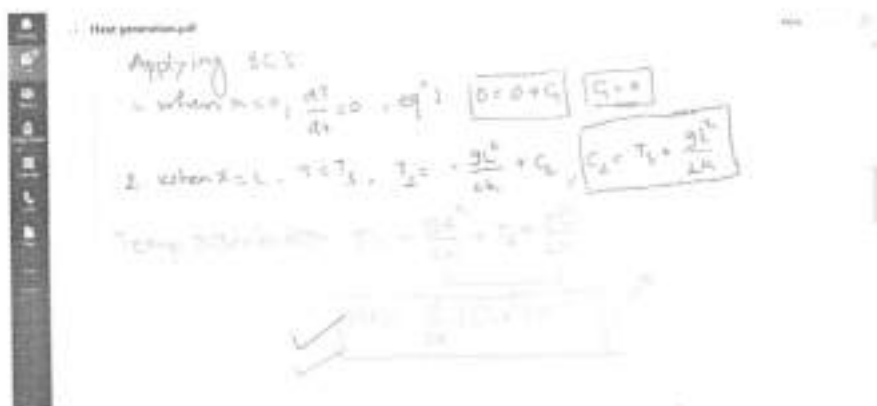
One Drive as Cloud for Storage of Data





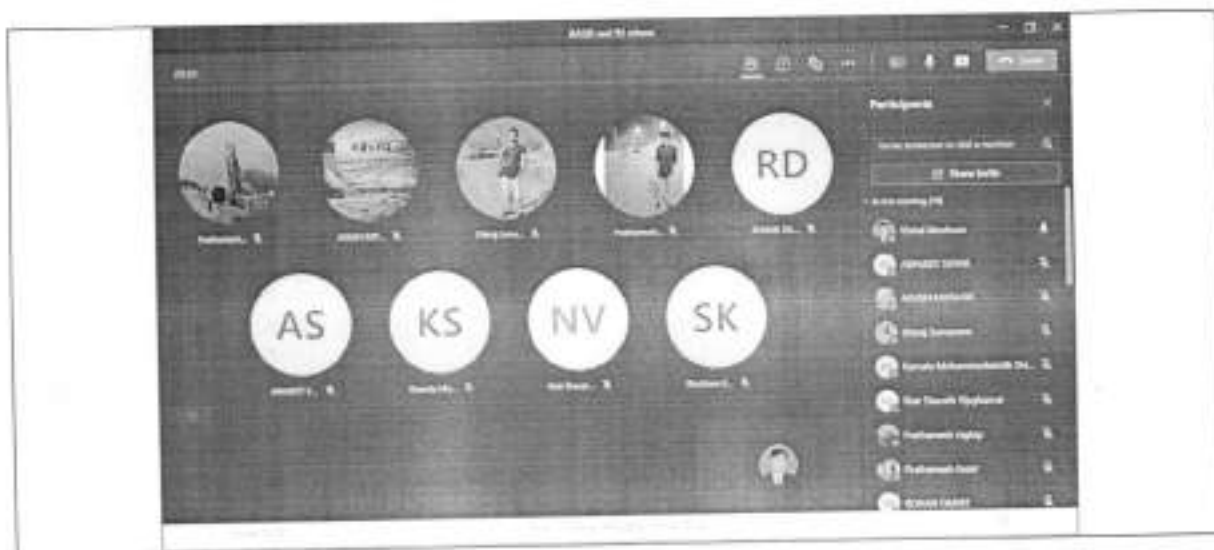
Online Lecture Screenshots on MS Teams





Virtual Industrial Visit Screenshots on MS Teams





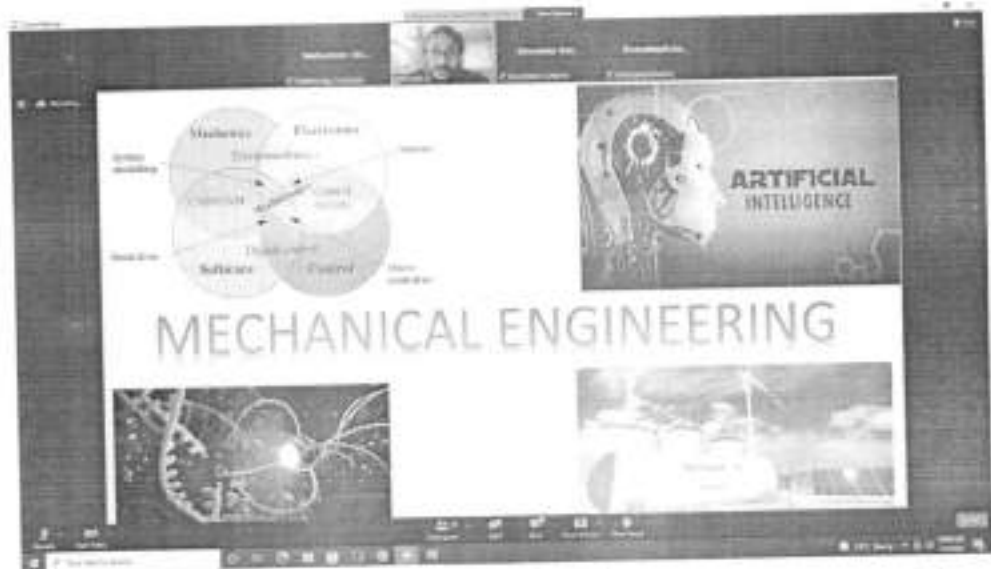
Screenshot of Internal Evaluation on Google Classroom





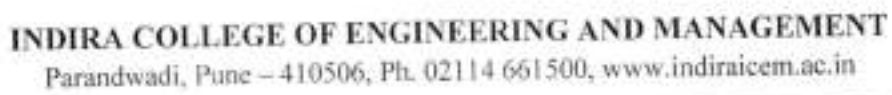


Guest Lecture using Zoom



Important subjects for GATE - ME

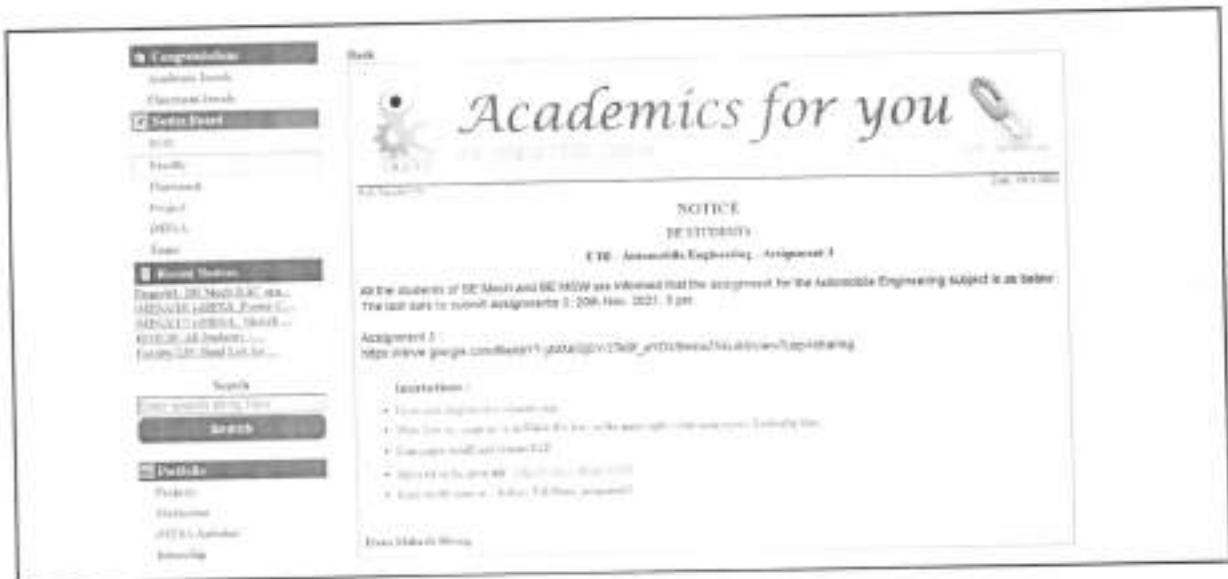
Subject	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
General Aptitude	15	15	15	15	15	15	15	15	15	15
Engg. Maths	15	15	15	15	15	15	15	15	15	15
Production Engg.	13	17	14	16	15	15	17	16	15	16
Thermal Engg.	12	10	10	10	10	10	9	10	12	10
Strength of Materials	11	9	9	9	10	9	10	9	9	9
EM&TE	4	9	8	9	8	9	9	7	8	8
Theory of Machines	1	5	11	8	5	7	7	10	6	8
Heat Transfer	8	8	6	10	7	9	9	7	5	6
ME & OR	5	4	6	6	5	6	6	5	5	8
Engg. Mechanics	4	4	2	3	6	5	6	4	4	6
Machine Design	5	6	8	4	4	5	6	4	8	5



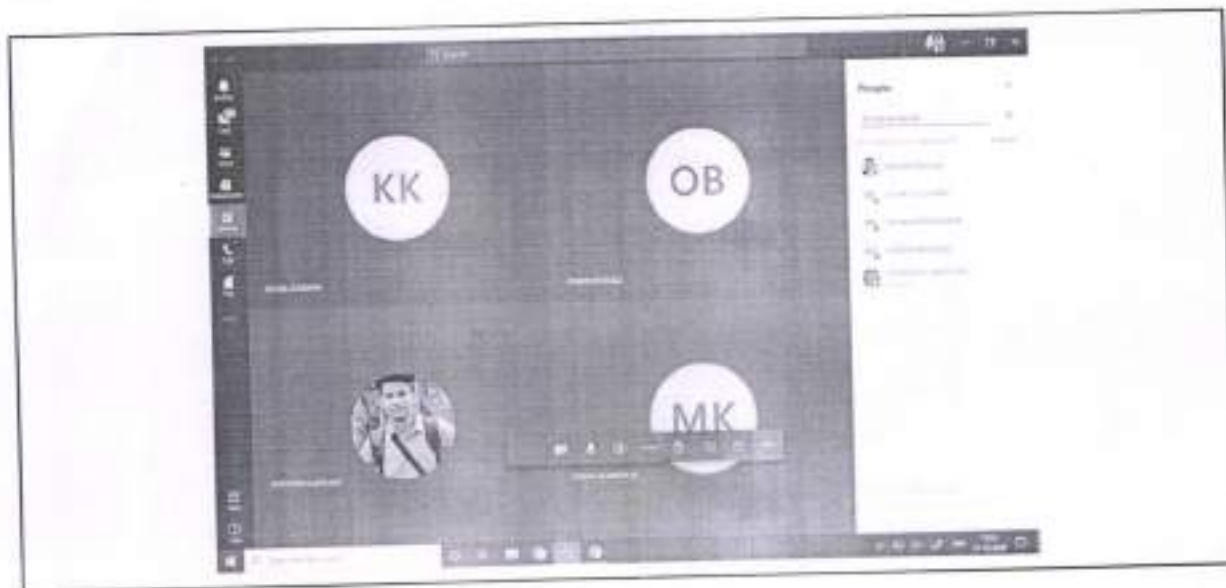
Sharing Notes/Question Bank online



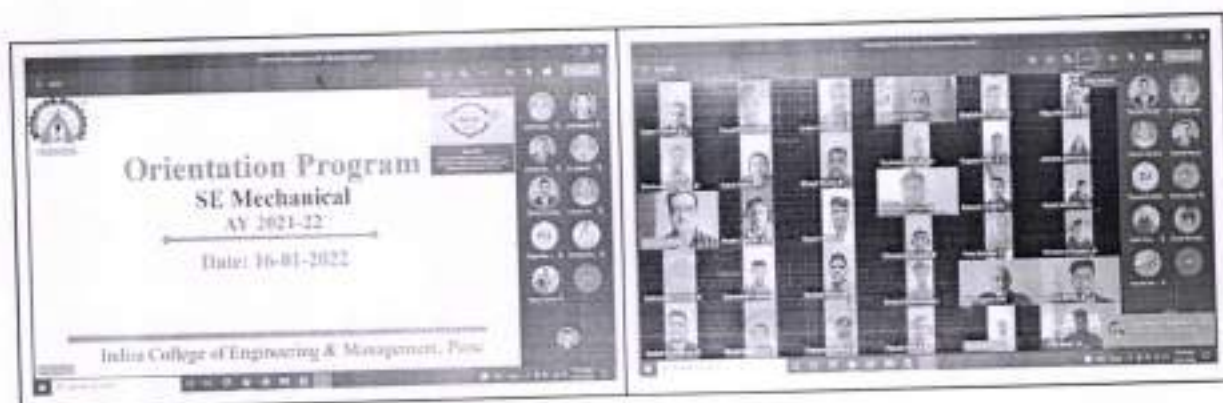
Online Assignment



Project Discussion using MS Teams



Orientation of DSE Students using MS Teams





Parent Teacher Meet using Ms Teams



Academic Coordinator



HOD



INDIRA COLLEGE OF ENGINEERING AND MANAGEMENT

ACADEMIC YEAR 2021-22 TEACHING PLAN

DEPARTMENT: COMPUTER ENGINEERING
COURSE: COMPUTER GRAPHICS
CLASS: SE
HRS./WEEK: 3

SEMESTER: 1
COURSE CODE: 210244
DIVISION: 1 & 2

Lecture No	Unit No.	Topic/Sub Topics to be covered	Mode of Teaching	Date Planned	Date of Lecture Conducted
1	Unit 1	Introduction, graphics primitives - pixel, resolution, aspect ratio, frame buffer. Display devices, applications of computer graphics	Online PPT	08/16/2021	17/08/2021
2		Introduction to OpenGL - OpenGL architecture, primitives and attributes	Online PPT	08/17/2021	24/08/2021
3		Simple modelling and rendering of two- and three-dimensional geometric objects,	Online PPT	08/18/2021	24/08/2021
4		GLUT, interaction, events and call-backs picking, (Simple Interaction with the Mouse	Online PPT	08/23/2021	24/08/2021
5		Scan conversion: Line drawing algorithms: Digital Differential Analyzer (DDA),	Online PPT & V Lab	08/24/2021	18/08/2021
6		Bresenham, Circle drawing algorithms: DDA, Bresenham, and Midpoint.	Online PPT & V Lab	08/25/2021	19, 20/08/21
7	Unit 2	Polygons: Introduction to polygon, types: convex, concave and complex. Inside test.	Online PPT	08/30/2021	25/08/2021
8		Polygon filling algorithms - flood fill, seed fill	Online PPT	08/31/2021	24/08/2021
9		Scan line fill and filling.	Online PPT & V Lab	09/01/2021	25/08/2021
10		Windowing and clipping: viewing transformations, 2-D clipping: Cohen -	Online PPT & Youtube	09/06/2021	26/08/2021



INDIRA COLLEGE OF ENGINEERING AND MANAGEMENT

ACADEMIC YEAR 2021-22 TEACHING PLAN

DEPARTMENT: COMPUTER ENGINEERING
COURSE: COMPUTER GRAPHICS
CLASS: SE
HRS./WEEK: 3

SEMESTER: I
COURSE CODE: 210244
DIVISION: 1 & 2

11		Polygon clipping: Sutherland Hodgeman algorithm, generalized clipping.	Online PPT	09/07/2021	27/08/2021
12		Weiler Atherton Polygon Clipping algorithm	Online PPT	09/08/2021	31/08/2021
13		Test	Online	09/13/2021	27/08/2021
14	Unit 3	2-D transformations: introduction, homogeneous coordinates, 2-D transformations - Translation, scaling, rotation	You tube / NPTEL Video	09/14/2021	11/09/2021
15		Shear, rotation about an arbitrary point	Online PPT	09/15/2021	1, 2/09/2021
16		3-D transformations: introduction, 3-D transformations - Translation, scaling,	Online PPT	09/20/2021	3/09/2021
17		Rotation about an arbitrary axis.	You tube / NPTEL Video	09/21/2021	3/09/2021
18		Projections : Parallel (Oblique: Cavalier, Cabinet and orthographic: isometric,	Online PPT	09/22/2021	7/09/2021
19		Perspective (Vanishing Points – 1 point, 2	Online PPT	09/27/2021	08/09/2021
20		Case study	Online PPT	09/28/2021	09/09/2021 & 21/09/2021
21		Colour models: Properties of Light, CIE chromaticity Diagram, RGB, HSV, CMY.	Online PPT	09/29/2021	15, 16/09/2021, 30/09/2021
22		Illumination Models: Ambient Light, Diffuse reflection,	Online PPT	10/04/2021	5/10/2021
23		Specular Reflection, and the Phong model,	Online PPT	10/05/2021	5/10/2021



INDIRA COLLEGE OF ENGINEERING AND MANAGEMENT

ACADEMIC YEAR 2021-22

TEACHING PLAN

DEPARTMENT: COMPUTER ENGINEERING

COURSE: COMPUTER GRAPHICS

CLASS: SE

HRS./WEEK: 3

SEMESTER: 1

COURSE CODE: 210244

DIVISION: 1 & 2

24	Unit 4	Combined diffuse and Specular reflections with multiple light sources, warn model,	Online PPT	10/06/2021	6/10/2021
25		Shading Algorithms: Halftone, Gauraud and Phong Shading.	Online PPT	10/11/2021	5/10/2021
26		Hidden Surfaces Introduction, Back face detection and removal Algorithms: Depth buffer (z), Depth sorts (Painter), Area subdivision (Warnock)	Online PPT	10/12/2021	6/10/2021
27		Revision and Test	Online	10/12/2021	7/11/2021
28	Unit 5	Curves: Introduction, Interpolation and	Online PPT	10/13/2021	7/10/2021
29		Blending function, B-Spline curve, Bezier	Online PPT	10/18/2021	7/10/2021
30		Fractals: Introduction, Classification	Online PPT	10/18/2021	17/10/2021
31		Fractal generation: snowflake, Triadic curve	You tube / NPTEL Video	10/18/2021	12/10/2021
32		Hilbert curve, Applications.	Online PPT	10/19/2021	7/10/2021
33	Unit 6	Case study measuring the length of coastline	Board	10/19/2021	12/10/2021
34		Segment: Introduction, Segment table,	Online PPT	10/20/2021	13/10/2021
35		Segment creation, closing, deleting and renaming.	You tube / NPTEL Video	10/20/2021	13/10/2021
36		Animation: Introduction, Conventional and computer based animation,	You tube / NPTEL Video	10/25/2021	14/10/2021, 11/11/2021



INDIRA COLLEGE OF ENGINEERING AND MANAGEMENT

ACADEMIC YEAR 2021-22 TEACHING PLAN

DEPARTMENT: COMPUTER ENGINEERING
COURSE: COMPUTER GRAPHICS
CLASS: SE
HRS./WEEK: 3

SEMESTER: I
COURSE CODE: 210244
DIVISION: 1 & 2

37	Design of animation sequences, Animation	Online PPT	10/25/2021	9/11/2021
38	Motion specification.	Online PPT	10/26/2021	9/11/2021
39	Gaming: Introduction, Gaming platform (NVIDIA, i8060), Advances in Gaming.	You tube video	10/27/2021	10/11/2021

Assignments (25 Marks)

Sr. No.	Unit No.	Date Planned	Conducted on	Remarks
1	1	13/08/2021	11/09/2021	Completed
2	2 and 3	13/09/2021	25/10/2021	Completed on 11/11/2021
3	4	28/09/2021	31/11/2021	Completed on 30/11/2021
4	5 and 6	25/10/2021		

#(4 assignment, 1 week duration must given to submit assignment)

Unit Test \$

Sr. No.	Unit No.	Type of test (MCQ/ Open book / Draw / Q&A / Presentation / Seminar / Project)	Lect No (planned)	Date Planned	Conducted on	Remarks
1	1 and 2	MCQ Test	13	27/08/2021 09/06/2021	11/9/2021 08/12/2021	103 completed out of 121
2	3	Case study MCQ 7 2	20	17/08/2021	14/10/2021	Completed
3	4 & 5	Open Book Test	27	09/04/2021		
4	6	Presentation using Opensource animation tools on Solution on social problem in group of 10 students	40	29/09/2021	30/10/2021	Completed

\$ (4 Test, Each test must be of different type)



INDIRA COLLEGE OF ENGINEERING AND MANAGEMENT

ACADEMIC YEAR 2021-22

TEACHING PLAN

DEPARTMENT: COMPUTER ENGINEERING

COURSE: COMPUTER GRAPHICS

CLASS: SE

HRS./WEEK: 3

SEMESTER: I

COURSE CODE: 210244

DIVISION: 1 & 2

Content beyond syllabus						
Sr. No.	Unit No.	Name of Topics Planned	Lect No (planned)	Date Planned	Conducted on	Remarks
1	1	Case study on ARB (Architecture Review Board)	6	08/25/2021	21, 22, 23, 28 & 29 Sept 2021	Completed.
Guest lecture details						
Sr. No.	Unit No.	Name of Topics Planned	Lect No (planned)	Date Planned	Conducted on	Remarks
1	4	Advance graphics application development using Rendering	Extra Lecture	25/10/2021	Conducted	Internal as case study of CBS.
Manjusha Tatiya		Manjusha Tatiya		Prof. Manjusha Tatiya		
Subject In charge		Academic Coordinator		HOD		




Registrar
Indira College of Engineering & Management
Parandwadi, Pune



Experimental Learning

Class: SE 1 & 2

Subject: Computer Graphics

Topic: Study of Maya

Group Name: ALL STARS

Name of student	PRN number
Aditya Pimpale	72152201H
Krusina Bembade	72152123B
Swapnil Kamble	72152165H
Aditya Dixit	72152138L
Nimisha Ghadage	72152145C
Sakshi Dhamane	72152136D
Bijoy Joeal	72152160G
Divya Sarade	72152210G
Vineet Patil	72152197F
Shantik Bhalerao	72152124L
Aniket Yadav	72152235B

Subject In-charge: Manjusha Tatiya

Table of Contents

Sr. No.	Contents
1	Introduction
2	Applications of Maya
3	Advantages & Disadvantages of Maya
4	Conclusion
5	References

Introduction: -

Maya is a character animation and visual effects system designed for the professional animator. Built on a procedural architecture called the Dependency graph, Maya offers incredible power and flexibility for generating digital images of animated characters and scenes. This tutorial book gives you hands-on experience with Maya as you complete a series of project-focused lessons. In each project, you will model, animate, texture map, add visual effects and render.

The user interface: -

The Maya user interface includes a number of tools, editors and controls. You can access these using the main menus or using special context-sensitive marking menus. You can also use shelves to store important icons or hotkeys to speed up workflow. Maya is designed to let you configure the user interface as you see fit.

When you animate, you bring objects to life. In Maya, there are several different ways in which you can animate your scenes and the characters who inhabit them. Animation in Maya is generally measured using frames that mimic the frames you would find on a film reel. You can play these frames at different speeds to achieve an animated effect. By default, Maya plays at 24 frames for every second.

Modelling in Maya: -

The objects you want to animate in Maya are usually built using either NURBS surfaces or polygonal meshes. Maya offers you both of these geometry types so that you can choose the method best suited for your work.

Applications of Maya:

Maya is widely used in: 3d animation, VFX, Texturing, Rigging, Character formation

It is also used in making animated movies.

Advantages of Maya:

1. It is a complete 3d package.
2. Very convenient to use.
3. We can add different scripts easily.
4. Easy to build workflow due to strong customizability.

Disadvantages of Maya:

1. Takes too much time to render.
2. Less plugins as compared to blender and 3ds max.
3. Price is too much.
4. Compatibility issues.

Conclusion: -

After going through the software interface and its features. We have seen that, one if studies the Maya interface will be able to use other open source graphic softwares.

Maya is user friendly, a very efficient software indeed. Easy tool modifiers for modelling and has good interface though.

We have successfully studied Maya.

References

skillshare.com/blog/guide-maya-animation-software/

https://www.autodesk.in/products?mktvar002=afc_in_deeplink&AID=13084956&PID=3044233&cjevent=3a12d096511211ec8270e18a0a180511&affname=3044233_13084956&cjdata=MXxOfDB8WXww

<https://www.wikidata.org/wiki/Q272597>

https://in.sprask.com/ws?q=maya%20software&de=c&asid=sa_ch921&scid=2_421231025_1334808320015172_kwd-83426311171967:loc-90



EXPERIENTIAL LEARNING

VMWARE WORKSTATION

WHAT IS VIRTUALIZATION ?



Virtualization is a technology that allows you to create a virtual version of a physical resource, such as a server, storage device, network or application. This virtual version is called a virtual machine (VM). The VM is a software-based entity that can run on a physical host. It can be used to run applications and services that are not compatible with the physical hardware. It can also be used to create a backup of a physical system or to test new software in a safe environment.

CONTENT

1. What is VMware
2. What is Virtualization
3. Objective
4. Purpose of VMware workstation
5. Benefits of virtualization
6. Latest version
7. Simple and cost Effective
8. Conclusion
9. Reference

OBJECTIVE

- VMware is a virtualization and desktop computing software provider based in Palo Alto, California.
- The main objective and purpose of desktop virtualization software VMware, VirtualBox is to allow users to run multiple different types of Operating Systems.
- It simultaneously run with conventional virtual environment on a single physical computer.

WHAT IS VMWARE ?



VMware provides cloud computing and platform virtualization software and services. Its desktop software runs on Microsoft Windows, Linux, and macOS. It also runs on PowerPC and ARM architectures, allowing users to run multiple operating systems on a single physical machine without requiring an additional underlying operating system.

PURPOSE OF VMWARE WORKSTATION

- VMware Workstation is a hosted hypervisor that runs on x64 versions of Windows and Linux operating systems.
- It enables users to set up virtual machines (VMs) on a single physical machine and use them simultaneously along with the actual machine.

BENEFITS OF VIRTUALIZATION

- 1. Reduce capital and operating costs
- 2. Minimize or eliminate downtime
- 3. Increase IT productivity, efficiency, agility and responsiveness
- 4. Provision applications and resources faster
- 5. Enable business continuity and disaster recovery
- 6. Simplify data center management

CONCLUSION

- VMware Workstation includes all the features of VMware player
- Easy virtual machine creation, hardware customization, direct console view, USB printing and access to the host file system
- VMware Inc is a subsidiary of Intel technology and a provider of cloud computing and platform virtualization software and services
- Save money and streamline operations with server consolidation and containment by running software applications on fewer servers

LATEST VERSION

Latest version
VMware Workstation Latest version
6.0.0.102000



REFERENCE

1. Data Center Virtualization Fundamentals, Cisco Press, 2014
2. Scott Lowe, Mastering VMware vSphere 6.5, Sybex, 2019
3. Revised Guide to Virtualization for Dummies, Wiley Publishing, 2011
4. Types Of virtualization: the pros and cons of each type of virtualization technology and their applications
5. "Storage virtualization" <http://www.storagejournal.org/Storage+Virtualization>
6. "Installing VMware Workstation 6" <http://www.vmware.com/resources/compatibility/download.php?req=2045487>

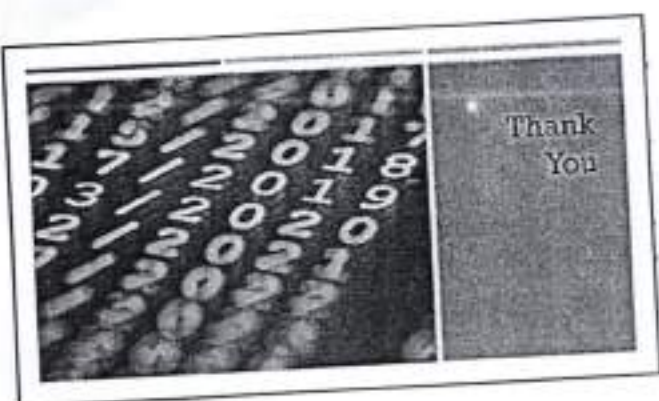
SIMPLE AND COST EFFECTIVE

- Automatic restart of virtual machines in case of server failure
- No need for dedicated stand-by hardware
- None of the cost and complexity of clustering
- Save money and streamline operations with server consolidation and containment by running software applications on fewer servers

PRESENTERS:-

Anuja Nishank
Shubang, Mohan
Gauri Khanna
Chiranjit Dasgupta
Anjali Bhatnagar
Sourya Bhattacharya
Pankaj Datta
Rohit Khanna
Vishal Datta

Subject in Charge - Prof. Manisha Talwar




Registrar
Indira College of Engineering & Management
Parandwadi, Pune



Ref. No: ICEM/Civil Department/2021-22/

Date: 23 May 2022

DEPARTMENT OF CIVIL ENGINEERING

NOTICE

This is to inform all the student of Final Year that a Department has organized a State Level Conference, Technical Innovations in Civil Engineering.

Contact your respective guides for further details.

Following are the Instructions to be followed:

Date & Day – 26th May 2022, Thursday

Venue – Vivekananda Hall

Dress Code – Uniform / Formals

Timing – 10:00 AM

Prof. Nikhil Mullik
Faculty Coordinator

Prof. Sujata Deo
I/C Head of Department



Reference

BOOKS:

- [1.] Headfirst Servlets and JSP -by Kathy Sierra, Bert Bates & Bryan Basham, Published by O'Reilly Media Publishers.
- [2.] Web enabled Commercial Application Development -by Ivan Bayross.
- [3.] JDBC DB -by Jim Arlow.
- [4.] JSP Complete Reference 2.0 -by Hanna, Phillip , Published by Tata McGraw-Hill .
- [5.] JDBC, Servlets and JSP BLACK BOOK -by Arti Pandey, Published by Dreamtech Press.
- [6.] Database System Concepts, 5th Edition, McGraw Hills International Edition.

WEBSITES:

- [1.] www.programmersheaven.com
- [2.] www.icicidirect.com
- [3.] www.religare.com
- [4.] www.esnips.com

CHIEF PATRONS

Dr. Tarita Shankar, Chairperson, IGI, Pune

Prof. Chetan Wakalkar, Group Director, IGI, Pune

PATRONS

Dr. Sunil Ingole, Principal, ICEM, Pune

CONVENER

Prof. Vijay Wairagade, HOD Civil, ICEM, Pune

Prof. Sujata Deo, ICEM, Pune

Secretary

Prof. Nikhil Mulik, ICEM, Pune

ADVISORY COMMITTEE

Dr. V. M. Kale, HOD, Mech, ICEM, Pune

Dr. S. das, HOD, Comp, ICEM, Pune

Dr. A. R. Salve, HOD, MBA, ICEM, Pune

Dr. D. J. Desai, HOD, MCA, ICEM, Pune

ORGANIZING COMMITTEE

Prof. Savita Jangale, ICEM, Pune

Prof. Manohar Bore, ICEM, Pune

Prof. Vijaykumar Saini, ICEM, Pune

Prof. Ashwini Joshi, ICEM, Pune

Prof. Nikhil Mulik, ICEM, Pune

Prof. Shreyas Satpute, ICEM, Pune

Prof. Sachin Ingale, ICEM, Pune

Prof. Vishal Chaugule, ICEM, Pune

ABOUT IGI

Shree Chanakya Education Society (SCES) was established in February 1994 under the visionary leadership of Dr. Tarita Shankar, with the aim of providing top quality graduate and post graduate education in the field of business Management, international business and technology. IGI is leading with multi-disciplines such as Management, Information Technology, Pharmacy, Commerce, Science, Engineering, Architecture and Mass Communication to the group and growth has been as deep as it has been wide. With 12 institutions, IGI now offers education right from Kindergarten to Doctorate level studies.

ABOUT ICEM

Indira College of Engineering and Management (ICEM) was established in 2007, under the aegis of Shree Chanakya Education Society. The institute is approved by All India Council of Technical Education (AICTE), New Delhi, DTE Government of Maharashtra and affiliated to Savitribai Phule Pune University (SPPU). The institute has more than 2000 students pursuing their UG and PG degree in Engineering and Management courses.

Indira College of Engineering and Management is committed to nurture the required expertise under one roof by creating competent and motivated technocrats and managers of tomorrow. The students at Indira utilize the opportunities available to them on the campus every year and evolve as competent professionals at the end of their respective program.

ABOUT DEPARTMENT

The Department of Civil Engineering with its multifaceted faculty cultivate its strong link with the infrastructural industry, academic and research institution. The faculty of department continues to strive excellence by exploring new frontiers of knowledge imparting the latest technical knowledge to the students.

VISION -

Our goal is to provide excellence in education, research, public service, with necessary knowledge, skills and personality.

MISSION -

- To provide quality education and research.
- To encourage student to pursue higher education and take competitive exams.
- To impart soft skills, leadership qualities and professional ethics among students.

Shree Chanakya Education Society

**INDIRA COLLEGE OF
ENGINEERING AND MANAGEMENT**
Approved by AICTE, New Delhi and
Government of Maharashtra



INDIRA

**Presents One Day
National Conference
on**

**TECHNOLOGICAL
INNOVATIONS IN
CIVIL ENGINEERING**

26th May 2022

ORGANIZED BY

Department of Civil Engineering

Sr. No.64,65, Gat No.276, Parandwadi,
Near Somatne Phata, Maval, Pune - 410506

Tel: 02114 - 661577 / 57

www.indiraicem.ac.in

to skyrocket, The Discount Pharmacy will appeal more and more to the customer's sense of value and convenience.

Our advertising, mainly through ads in magazines targeted at the over-55 crowd, will be targeted at those who are looking to save money on a pricey but necessary and regular expenses



Ref. No: ICEM/Civil Department/2021-22/

Date: 28 May 2022

ONE PAGE REPORT

Title - A National Level Conference
Date - 26 May 2022.
Event - Technical Innovation in Civil Engineering 2022

Department of Civil Engineering of Indira College of Engineering and Management successfully completed the Third National Level Conference on "Technological Innovations in Civil Engineering" on 26th May 2022.

Inauguration was done by our Principal Dr. Sunil Ingole, and Prof. Mahesh Waghmare. A preceding was published on the occasion in the presence of All faculties and the dignitaries. The event was anchored by Mr. Ankush Kumar Singh (B.E. Civil).

A total of 16 registrations were noted for the presentation, which was further divided into 2 groups of 8 each. Presentation of one group was conducted in Vivekananda Hall, and second in B.E. Class room.

Two reviewers were called from outside the college Prof. Mahesh Waghmare, I2IT, Pune and Prof. Upendra Saharkar, DYPIET, Pune.



Chapter 5

Conclusion

This system might prove to be a very helpful for the treatment of addicted persons.

- The first and the foremost advantage of this system is that it would revolutionize the age old method of maintaining the registers. Since the database will be maintained by the software and timely backup will be taken by the administrators, the headache of losing the database anyway is gone.
- The system would save time as well as money.
- Door-to-door medicine will be provided in fraction of time.

SUMMARY

The Discount Pharmacy's main goal is to provide prescription medications for our customers at the lowest prices on the market. We will be able to sell prescriptions at reduced prices by carefully maintaining efficiencies in our operations and by targeting a specific segment of the market - those customers who pay for their prescription medications themselves. By focusing on this segment it gives us additional efficiencies - we avoid disruptions in cash flow often associated with insurance payments and we can eliminate unnecessary services for the type of knowledgeable, repeat customer taking maintenance-type medication.

The Discount Pharmacy will operate from one store that will serve both mail order customers and those who visit in person. We will thrive by employing friendly and knowledgeable personnel, which, along with our great prices, will drive the repeat business that we will rely upon. We only expect that as the price of medication continues

INDIRA COLLEGE OF ENGINEERING AND MANAGEMENT
Parandwadi, Pune - 410506, Ph. 02114 661500, www.indiraicem.ac.in



Pune, Maharashtra, India

PM45+R5Q Indira College Of Engineering And Management, Pune, Maharashtra

410506, India

Lat 18.70681°

Long 73.658023°

26/05/22 09:10 PM



Pune, Maharashtra, India

PM45+R5Q Indira College Of Engineering And Management, Pune, Maharashtra

410506, India

Lat 18.70671°

Long 73.657958°

26/05/22 03:05 PM

Prepared By -

[Signature]
Prof. Nikhil Mulik
Faculty Coordinator



[Signature]
Prof. Sujata Deo
I/C HOD

v. Defense

Why use an online medical system?

6. It provides better solution for medicine shopping.
7. It provides efficiency compared to other system.
8. Simplicity over other systems.
9. Fast delivery which is not provided by other systems.
10. Various types of drugs available.

SHREE CHANAKYA EDUCATION SOCIETY'S

INDIRACOLLEGE OF ENGINEERING AND MANAGEMENT

Approved By AICTE New Delhi, DTE (MS) and Affiliated to Pune University (Id-No. PU/PN/Engg/282/2007)



Date: 27/05/2020

A National Conference on
Technological Innovations in Civil Engineering
Agenda of Inaugural Session (28.05.2020)

Sr. No.	Activity	Time
1	Welcoming of Guests and Participants	09.00am. – 09.10am
2	Address by Principal Sir	09.10 am – 09.15 am
3	Briefing by Hod Sir	09.15 am – 09.20am
4	Vote of Thanks	09.20 am – 09.25 am



Indira College of Engineering and Management, Pune.

A.Y.: 2021-22

Dept: Civil Engg.

Event Name: TICE

Event Coordinator Name: N.V. Mulik

Subject/ Agenda: —

Date: 26 May 2022

Time:

Sr. No.	ID/Roll No.	Name	Sign	Remark
1	34148	Sonam S. Mule		
2	34155	Rohan A. Dumbre		
3	34145	Talaj Walde		
4	34106	Pratibha Dacade		
5	34149	Alpang Hire		
6	34148	Ashwini S. Mundhe		
7	34156	Nilesh R. Sargude		
8	34157	Omkant S. Kashid		
9	34127	Pratyakta P. Gaikwad		
10	34	Ajay B. Dhale		
11	34103	Gauri. G. Yelwankar		
12	34117	Bagat Rautuja Sahebrao		
13	34137	Rashikesh Dhanore		
14	34107	Ganeshi Naugite		
15	34102	Karan Yeware		
16				
17				
18				
19				
20				

Event Coordinator / Meeting Head

HOD /Principal



Chapter 4

Advantages, Application

Advantages

1. It saves paper.
You never have to print an exam for your students and hand them out. Saves paper. Saves trees. Everybody happy.
2. Convenience in buying medicines and pharmacy products.
3. Can be accessed worldwide.
4. Products are delivered at desired address.
5. Credentials are secured.

BENEFITS OVER EXISTING SYSTEM: -

1. It provides better solution for medicine shopping.
2. It provides efficiency compared to other system.
3. Simplicity over other systems.
4. Fast delivery which is not provided by other systems.
5. Various types of drugs available.

Application

- i. Online Medicine shopping
- ii. Railways
- iii. Clinics
- iv. Airports



Indira College of Engineering

A. Y.:

Date:
Time:

Dept:
Event Name:
Event Coordinator Name:
Subject/ Agenda:

Sr. No.	ID/Roll No.	Name	Sign	Remark
1	34120	Karpe Rujan Dilip		
2	34115	Suresh Ishwar Vikram		
3	34119	Kunal D. Kshirsagar		
4	34125	Hithik V. Baiskar		
5	34147	Shubham B. Nagor		
6	33133	Tanmay K Tupe		
7	34132	Dhananjay S. Phule		
8	34131	Kadam Prajita Bakaji		
9	34144	Rutwik Rajendra Khandekar		
10	34107	Ganesh S. Nargize		
11	34105	Akshay Janzao		
12	34141	Himanshu Khairnar		
13	34139	Ajay K. Lakhotkar		
14	34142	Kaustubh Narkar		
15	34104	Abhishek C. Waghmare		
16	34128	Konkle Pooja Vajdevkar		
17	34110	Prarali R. Shelke		
18	34126	Prachi B Pawar		
19	34117	Begul Rutpa Sahabdeo		
20	34130	Pooja Titendra Chavi		

Event Coordinator / Meeting Head

HOD /Principal

By:



Indira College of Engineering and Management , Pune.

A. Y. :

Dept:

Date:

Event Name:

Time:

Event Coordinator Name:

Subject/ Agenda:

Sr. No.	ID/Roll No.	Name	Sign	Remark
1	34123	Apurv. Dhas		
2	34	Yash Wani		
3	34126	Prachi Pawar		
4	34136	Santosh. Zende		
5	34159	Ajay Bangert		
6	34106	Pratibha. Danade		
7	34148	Sonam Mule		
8	34149	Alpana Hire		
9	34146	Ashwini Mundhe		
10	34156	Nilesh R. Sangude		
11	34157	Omkar S. Kashid		
12	34127	Prajakta Gaikwad		
13	34130	Pooja J. Olari		
14	34116	Ankit Kr. Rai		
15	34117	Bagul Rutuja Sainekar		
16	34103	Gauri. G. Yelwankar		
17	34137	Rushikesh Dhamre		
18	34107	Ganesh. S. Navgire		
19	34102	Karan Kaware		
20				

Event Coordinator / Meeting Head

HOD /Principal



Dept:

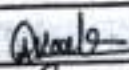
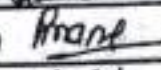
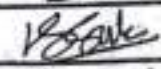
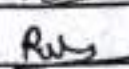
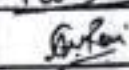
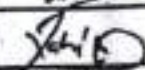
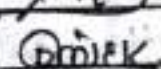
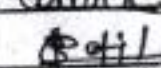
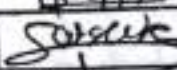

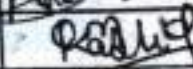
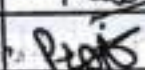
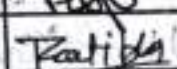




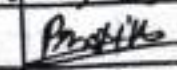
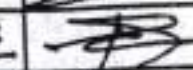
Date:

Event Name:

Time:

Event Coordinator Name:

Subject/ Agenda:

Sr. No.	ID/Roll No.	Name	Sign	Remark
1	34129	Arati Ashok Hadawale		
2	34134	Pooja Narendra Mane		
3	34148	Sonam S. Mule		
4	34155	Rohan Dumbre		
5	34116	Ankit Kumar Rai		
6	34150	Rohit Sanjay Deshmukh		
7	34124	Digambar K. Lohar		
8	34140	Swarnada B. Patil		
9	34156	Nilesh R. Sargude		
10	34146	Ashwini S. Mundhe		
11	34157	Omkar S. Kashid		
12	34127	Prajakta P. Gaikwad		
13	34106	Pratibha Darade		
14	34138	Wani Yash Dilip		
15	34123	Apurv. Dhan		
16	34149	Alpana D. Hire		
17	33133	Tunmay K. Tyagi		
18	34143	Ankush Kumar Singh		
19	34118	Pratik Mukherjee		
20	34101	Pooja Sudhakar		

Event Coordinator / Meeting Head

HOD / Principal





Civil Engineering Department

Date: 29/05/2020

Online One Day National Conference on "Technological Innovations In Civil Engineering"

Date: 28th May 2020

Venue: ZOOM Online Platform

Time: Morning Session 09:00 am to 01:00 pm

Conference Details:



Civil Engineering Department of Indira college of engineering and management successfully completed first national conference on "Technological Innovations in Civil Engineering" with the help of virtual platform of ZOOM. One day conference has held on 28th May 2020 at morning session 9am to 1pm.

Welcome of participants , guest and session chairman has done by Ms Manasi chavan, briefing of conference done by head of department Prof.Vijay wairagade sir after the speech of Principal Dr.Ingole sir.



Conference divided in to four groups according to specialization i.e construction management, transportation, environment and structure. Each group has one coordinator two members and one session chairman. More than 30 papers are included in this conference. Department use Zoom as a virtual platform which is useful to share presentation, videos etc.

Paper presented in national conference on "Technological Innovations in Civil Engineering" are published in MJRET-Multidisciplinary Journal of research in engineering and technology.

Few glimpses of online FDP





PowerPoint presentation slide titled "SLUDGE DRYING PROCEDURE". The slide contains a list of steps:

- ▶ Sludge was in the form of semi-dry(moisture content) solid form.
- ▶ Then small clots of sludge were broken by hands.
- ▶ After that the sludge was kept in steel trays.
- ▶ Later on the sludge was kept in oven for drying for 24 hours at 110° C.
- ▶ After the oven drying the sludge was in dry form.
- ▶ Then the sludge was grinded to form powder form and then sieved to remove the unbroken particles.

The slide is displayed within a presentation software window with various toolbars and a status bar at the bottom.



[Signature]
Registrar
Indira College of Engineering & Management
Parandwani, Pune