



# Indore Institute of Science & Technology

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

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## 1. INTRODUCTION

### A. Teaching and Learning at IIST

IIST has transformed traditional teaching methods into innovative and creative approaches to enhance the learning experience for both students and faculty. Through a range of initiatives, IIST fosters an environment where students actively engage in the learning process and develop their skills and knowledge.

### B. Experiential Learning

Students gain hands-on experience through various practical activities, including projects, laboratory sessions, industrial visits, internships, and field work. Value-added courses and certificate courses provide exposure to the latest technologies and industry trends. Virtual labs offer remote access to simulations and experiments. Additionally, students can enroll in online MOOCs and certifications to supplement their learning.

### C. Participative Learning

IIST encourages active participation through group discussions, mock interviews, technical presentations, and video demonstrations. Student clubs and societies provide opportunities for peer mentorship and personal development. Expert lectures, seminars, and skill enhancement programs further enrich the learning experience.

### D. Problem-Solving Methodologies

Students develop problem-solving skills through quizzes, Special Interest Group (SIG) activities, competitions, sponsored projects, and technical paper publications. This approach promotes critical thinking and innovative problem-solving techniques.





**IIST**  
Indore Institute of  
Science & Technology

**Indore Institute of  
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## 2. EXPERIENTIAL LEARNING

### A. Project / Models

Major Project Report on

**ZenChat : The Ultimate Social Media App**

Submitted to



**RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL (M.P)**

*In Partial fulfillment for the award of degree of*

**BACHELOR OF TECHNOLOGY**

IN



Information Technology

By

Anjali Chouhan (0818IT213D01)  
Vinayak Bhushan(0818IT201065)  
Mukund Puranik (0818IT201036)

*Under the Guidance of*

**Ms. Poorva Shukla**  
Assistant Professor



**INDORE INSTITUTE OF SCIENCE & TECHNOLOGY, INDORE**

PITHAMPUR ROAD, OPPOSITE IIM, RAU, INDORE 45333, MP.

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**JUNE - 2024**

Project Report Submitted by the Students on their Implementation of project model in 8<sup>th</sup> Semester.









B. Notices and Students List of Project Work

**INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY**  
**DEPARTMENT OF COMPUTER SCIENCE, IT, AIML**  
**NOTICE**  
**MINOR PROJECT**

Department of Computer Science, IT, AIML is scheduling Minor Project final presentation on 14/09/23 and 15/09/23. All students required to present with presentation and Report.

In case of any emergency prior information and approval is required from HOD.

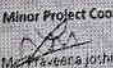



 Signature Dean
 
 Signature HOD

**INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY, INDORE**  
**DEPARTMENT OF CS/IT/AIML**  
**MINOR PROJECT PANEL LIST**  
**1st Assessment July-Dec 2023**

Date	Time	P1	P2	P3	P4	P5
9/14/2023	9:30 - 11:10	III Year A1-A6	III Year B1-B6	III Year B24-B28	III Year A1-1 A4-6, III Year C1-C6	III Year IT-1 to IT-5
	11:10- 12:50	III Year A7-A12	III Year B7-B12	III Year B-29-B-33	III Year A1-7/A1-12, III Year C7-C12	III Year IT-6 to IT-10
	12:50-1:30	LUNCH BREAK				
	1:30 - 3:10	III Year A13-A18	III Year B13-B18	III Year C13-C18	III Year A13-A18	III Year IT-11 to IT-15
	3:10 - 3:55	III Year A19-A23	III Year B19-B23	III Year C19-C22	III Year A19-A22	III Year IT-16 to IT-21
9/15/2023	9:30 - 10:45	III Year B21-B25	III Year B31-B35	III Year A23-A26	III Year A21-A25	III Year A26-A28
	10:50 - 12:10	III Year B26-B30 IV	III Year B36-B39	III Year C21-C24	III Year B40-B47	III Year IT-22 to IT-23

P1	P2	P3	P4	P5
Mr. Pradeep Banlyal(PC)	Mr. Neeraj Paliwal(PC)	Mr. Amit Kanungo(PC)	Mr. Rakesh Verma(PC)	Mr. Nishant Vijayvargiya(PC)
Ms. Megha Birthare	Ms. Poorva Shukla(PC)	Mr. Ganesh Paddear	Ms. Lakshita Mandpe	Ms. Rupal Yadav
Mr. Amit Goud	Mr. Pritesh Saklecha	Mr. Rati Gupta	Ms. Lalita Bargadiya	Mr. Ankush Saklecha
Mr. Vivek Gupta	Ms. Praveena Joshi	Ms. Smrita Marwadi	Ms. Reena Karandikar	Mr. Titu Singh Arora

\*Note: In III year Code A-CS1, Code B-CS2, Code C-CS3 & IT-IT & AIML-AI  
 \*PC-Panel Coordinators  
 Minor Project Coordinators  
 Ms. Praveena Joshi  
 HOD(IT)  
 HOD(AIML)  
 HOD(CS)







Sl. No.	Roll No.	Student Name	Enrollment No.	Project Title	Project Guide	Work Done (%)	Attendance (%)	Project Presentation (%)	Final Report (%)	Total (%)	
18	IT-14	2	Kaveer Singh Thakur Adishah Yadav	0818IT211090 0818IT211092	Web application	Dr. Shweta Agrawal	3	3	3	3	12
17	IT-15	3	Mashu Sudan Singh Divyansh Sangya Mohammad Ali Mans	0818IT211026 0818IT211013 0818IT211032	Website	Ms. Reetu Gupta	4	5	5	5	17
18	IT-16	2	Naita Malviya Chanda Yadav	0818IT211037 0818IT211039	Online voting system	Dr. Sathesh Kumar Poncha	4	5	4	5	18
19	IT-17	3	Kajal Jhanawat Neellesh Bhargava Ankita Singh bas	0818IT211021 0818IT211036 0818IT21107	Blockchain based e-vault	Mr. Prayanka Karmnani	4	5	4	4	17
20	IT-18	3	Vikas Jadhav Sumran bhavsar Devendra mankar	0818IT211084 0818IT211059 0818IT211031	Tourist website	Mr. Shailesh Bhalta	3	5	4	3	15
21	IT-19	3	Vijay chauran Harsh gujar Ankit Jyanshi	0818IT211016 0818IT211030 0818IT211022	placement mgmt system	Ms. Megha Bithare	3	5	4	3	15
22	IT-20	2	Kajal joshi Janki Jaisw Aashir rathod	0818IT211019 0818IT211001 0818IT211040	E-notes Website	Dr. Richa Gupta	4	5	3	3	15
23	IT-21	4	Prahalam paldar Ravi Parmar Siddharth Goyal	0818IT211051 0818IT211051 0818IT211051	scheduling algorithm simul	Mr. Rajesh Jain	3	5	3	3	14
24	IT-22	4	Vishal Dewda Khanhoo Soni Kamal Natayan bab Rupanshu Soni	0818IT211056 0818IT211027 0818IT211029 0818IT211055	Legal Bharat.com	Dr. Margi Patel	4	5	5	5	17
25	IT-23	5	Preeti Sharma min tiwari nischay tiwari nikunj sharma	0818IT211047 0818IT211041 0818IT211040 0818IT211038	vyanganj.com	Mr. Shailesh Bhalta	3	5	3	3	14
26	IT-25	2	vishal sharma vishal palli Fazul khan Mohammad Anas kh	0818IT211067 0818IT211089 0818IT211018 0818IT211031	Open mind AI	Mr. Shailesh Bhalta	2	2	3	3	8



*[Handwritten signature]*

Indore Institute of Science and Technology Department of Information Technology Assessment I, JULY-DEC 2024											
Sl. No.	Roll No.	Enrollment No.	Student Name	Enrollment No.	Project Title	Project Guide	Work Done (%)	Attendance (%)	Project Presentation (%)	Final Report (%)	
1	IT-1	2	Khenchand Vainra Rak Rajput	0818IT211025 0818IT211054	Student Support System	Mr. Rajesh Jain	3	5	4	3	15
2	IT-2	3	Rahul Yadav Prakash Thakur Divyansh Raghavani Divyansh Prapant	0818IT211049 0818IT211045 0818IT211014 0818IT211012	agrimarked hub	Mr. Prateek Singh Dugga	3	5	3	3	14
3	IT-3	2	Amit Panchal	0818IT211035	ProjectX: Student Project Sharing Portal	Ms. Rati Gupta	3	5	2	3	13
4	IT-4	3	Kashish Rithore Tanish Ghai Renuka dubey	0818IT211025 0818IT211050 0818IT211052	personalized online meeting portal	Mr. Rajul Yadav	4	5	4	5	18
5	IT-5	3	Rishu Pandat Mahesh Bhakel Mohit Sawand	0818IT211024 0818IT211027 0818IT211053	gym management	Mr. Vivek Gupta	4	5	3	4	16
6	IT-6	2	Devedra Kishwaha Ajay Mehar	0818IT211025 0818IT211025	online resume management	Mr. Gaurav Parthasar	4	5	5	5	17
7	IT-7	1	Aman Singh Thakur	0818IT211054	Game development (actual name of game not provided)	Ms. Praveena Joubi	4	5	4	5	18
8	IT-8	4	Kashish rithore Parul Singh Parul Jadhav Harshita Tiwari	0818IT211025 0818IT211054 0818IT211048 0818IT211034	E website management	Mr. Rajesh Verma	4	5	4	5	18
9	IT-9	3	Saransh gupt Anshika sharma Jyoti jaisw	0818IT211026 0818IT211027 0818IT211016	student portal	Mr. Harish Vayyavyya	3	5	3	3	14
10	IT-10	2	Sanjiv Kumar Yash Kulkarni	0818IT211051 0818IT211028	Virtual Application	Ms. Preeta Karmnani	3	5	4	3	15
11	IT-11	3	Pratik chauran Neha rathore	0818IT211044 0818IT211046	online parking and booking	Mr. Rajesh Jain	3	5	2	3	14
12	IT-12	4	Harshit kumar Anshika sharma Anshika sharma Anshika sharma	0818IT211026 0818IT211027 0818IT211027 0818IT211027	AI/ML based chatbot	Dr. Margi Patel	4	5	4	5	18
13	IT-13	4	Harshit kumar Anshika sharma Anshika sharma Anshika sharma	0818IT211026 0818IT211027 0818IT211027 0818IT211027	AI/ML based chatbot	Dr. Margi Patel	4	5	4	5	18



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C. Laboratory Courses

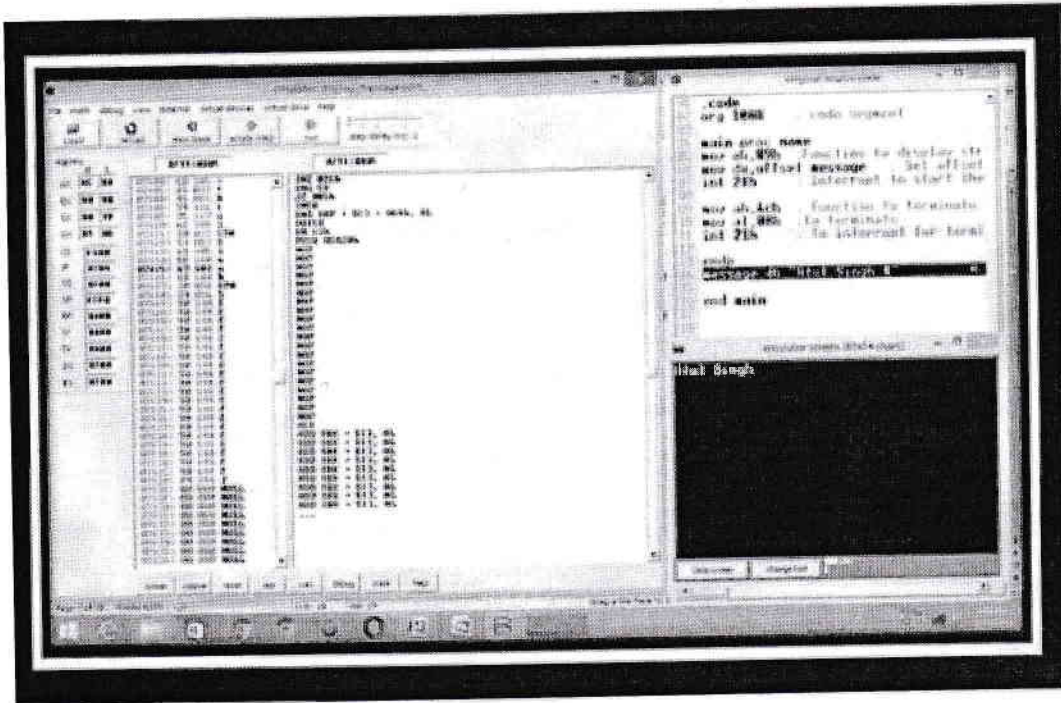
UG - CE	B. Tech (Civil Engineering)	BT201	Engineering Physics
		BT203	Basic Mechanical
		BT204	Basic Civil Engineering & Mechanics
		BT205	Basic Computer
		BT206	Language Lab & Seminars
		BT107	Internship-I (60 Hrs Duration) at the Institute level
		BT101	Engineering Chemistry
		BT103	English for Communication
		BT104	Basic Electrical & Electronics Engineering
		BT105	Engineering Graphics
		BT106	Manufacturing Practices
		CE302	Construction Material
		CE303	Surveying
		CE304	Building Planning & Architecture
		CE305	Strength of Materials
		CE306	Study of Historical & Ancient Civil Engineering Practices
		CE402	Construction Technology
		CE403	Structural Analysis-I
		CE404	Transportation Engineering-I
		CE405	Engineering Geology & Remote Sensing
		CE406	Software Lab
		CE501	Fluid Mechanics I
		CE502	Transportation Engg II
		CE505	Quantity surveying & Costing
		CE506	Material Testing Lab
		CE601	Structural Design and Drawing (RCC-I)
		CE602	Environmental Engineering, I
		CE605	Advance surveying lab
		CE606	Non-Destructive Testing Lab
		CE701	Geotechnical Engg
		CE704	Prestressed Concrete Structures Lab
		CE705	I.O.T. Lab
CE801	Design of Steel Structures		
CE804	Earthquake Resistant Structures Lab		



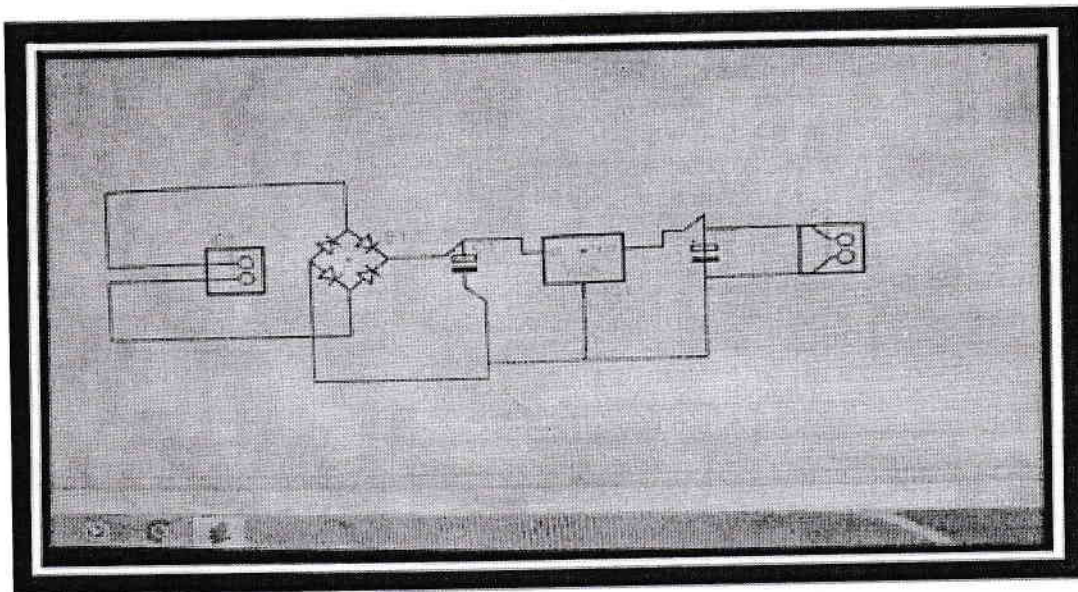
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D. Simulation Lab and IoT Lab



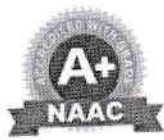
Microprocessor & Microcontroller Lab



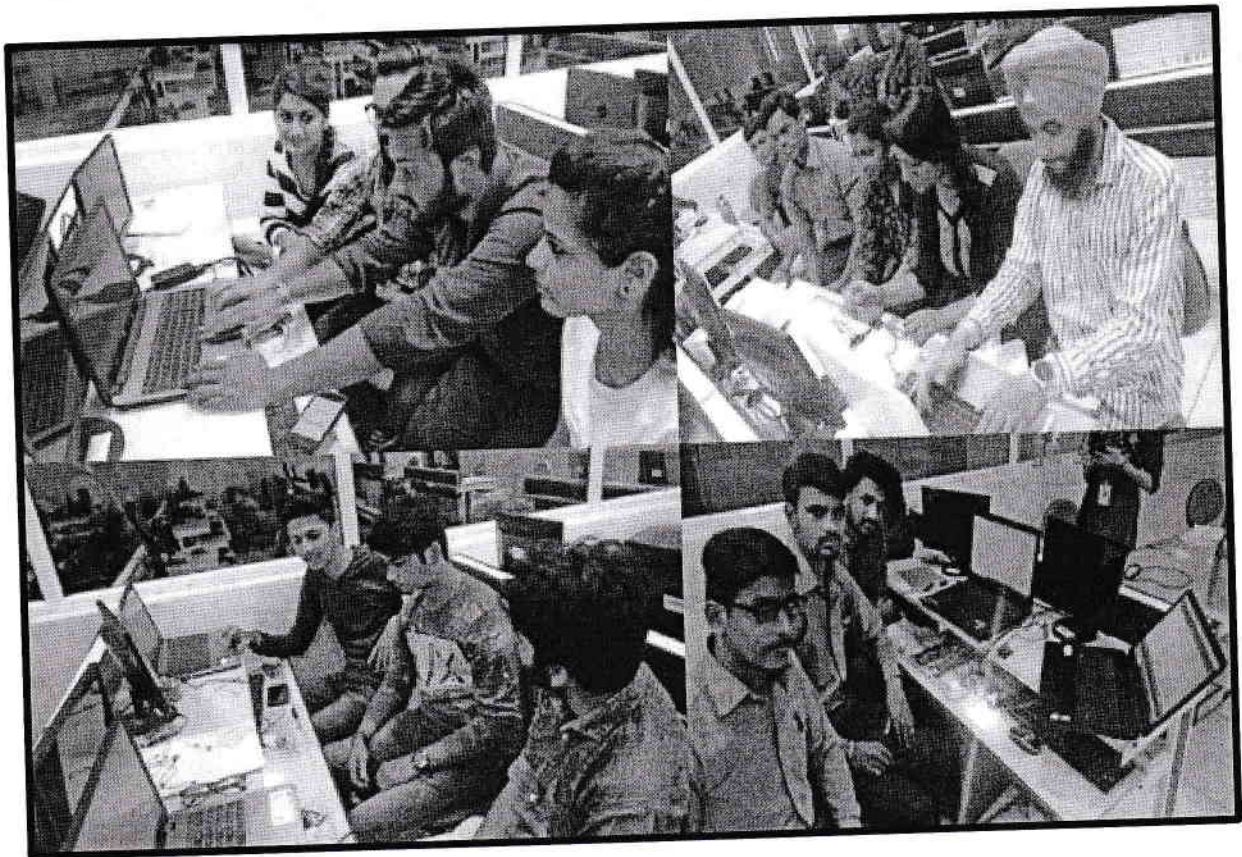
Simulation Lab







**Internet of Things:** The purpose is to train students for industry-level projects on IoT by: Organizing workshops/seminars/training/weekend activities for the students. IoT SIG facilitates all the required equipment for practicing on different modules. These SIG Modules will help students solve real-world problems and will encourage them to participate in various competitions across the country.



  
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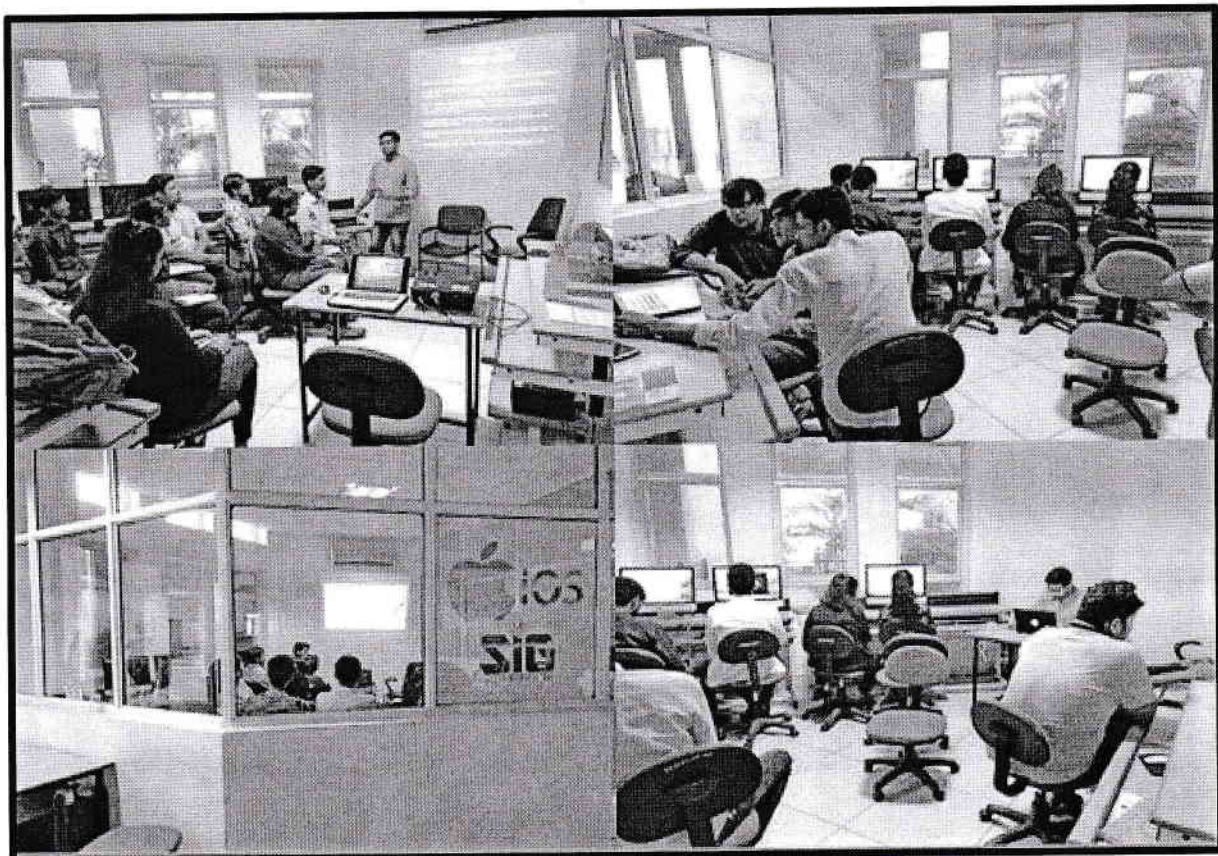





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iOS: The purpose of iOS SIG is to make students develop iOS Applications. With the amount of iPhones in the market, the need for iOS Apps also increases therefore this is the right platform for Students who want to build their careers in Mobile app development as individual with their Creative ideas.



  
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E. Certification Course

Department of Computer Science and Engineering			
Semester	Certification Programs under SIG	Description	Outcome (Certificate/ Project etc)
I Sem	Logic Building & Basic Programming using C language	Able to Solve Programming Problems easy to the average level	Preparation for earning Certificate
II Sem	Programming Basics using C/C++ Language	Able to Solve Programming Problems average to hard level	Earn Certificate
III Sem	Data Structures ALGOLUTION: Foundation of Data Structures and Algorithms	Data Structure Concept for Placements and Competitive Programming	Preparation for competitive Programming
	Object Oriented Concept using JAVA	OOP Concept helpful for Placements and implementation of Data Structure	Earn Certificate
IV Sem	Data Structures Algolution – Algorithmic Pinnacle – Navigating Complexity:	Able to Understand and Apply Data Structure Concept	Preparation for competitive Programming
V Sem	Algorithm Design Algolution – Evolution of Coding through Algorithms	Algorithm Design & Application of DS	CODE VITA
	JAVA FULL STACK web development + project (Including HTML, CSS, XML and SQL)	End-to-end web development	Project
VI Sem	AWS (CCP)	Cloud-certified practitioner course (Short Term SIG)	Specialization/certification



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	CISCO	Networking course from CISCO (Short Term SIG)	
	SQL	Database Handling (Short Term SIG)	Project
	Competitive Coding	Algorithm design & Application of DS	CODE VITA
VII Sem	Skill up Crash Course for Placements	Brushing up all the important subjects for Placements including Apti	Placement Preparation Specific and General
	Spring, Hibernate MEAN or MERN Stack, MOOC Course : EDX, COURSERA, NPTEL	Sharpening and Specialization in at least one domain	Earn Placement
VIII Sem	Skill up Crash Course for Placements	Brushing up all the important subjects for Placements including Apti	Placement Preparation Specific and General
	MOOC Course	Sharpening and Specialization in at least one domain	Earn Placement and certification

F. Industrial Visit and Faculty Students' Outing for Technical Learnings

No. of Institutes Participated	No. of Students Participated / Date	Department	Industry Name
1	16 Jul-2023	CS E/IT/A I ML/IoT/ME/CI M/EC	IIFT DRISFITI CPS Foundation IIT Indore
1	31 Jan 2024	CSE / IT	IIFT DRISFITI CPS Foundation IIT Indore



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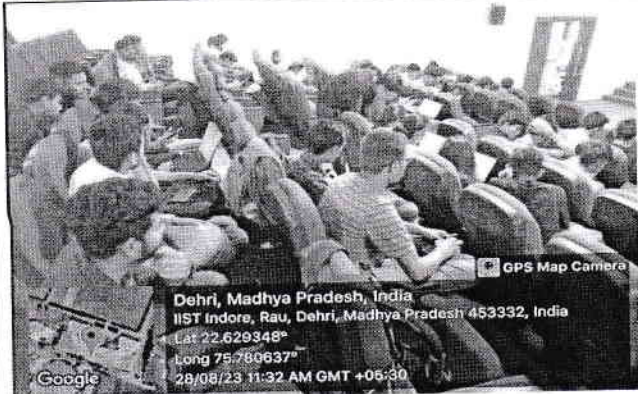
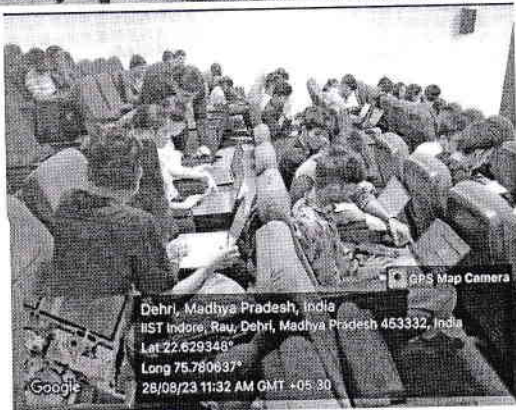
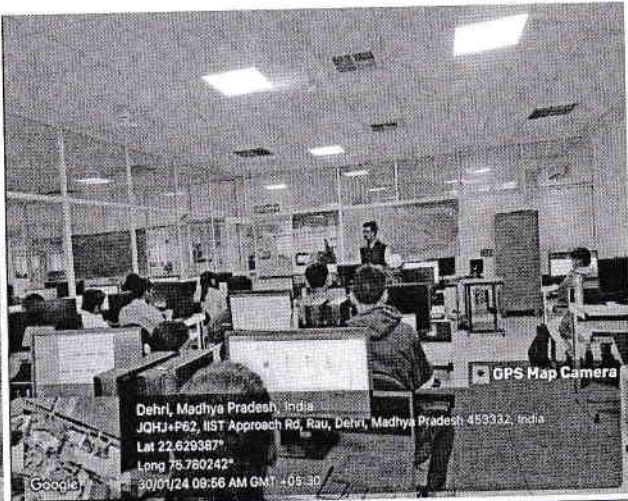
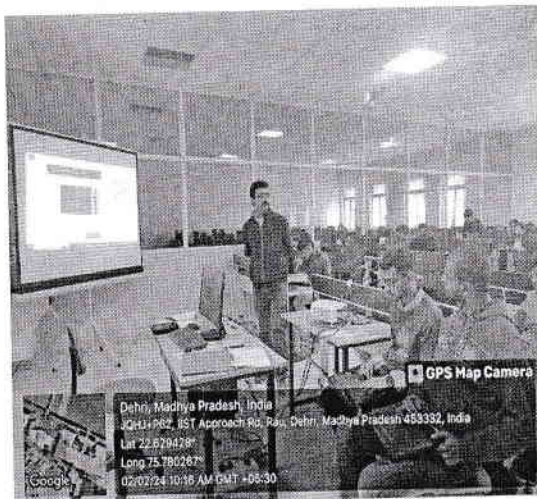
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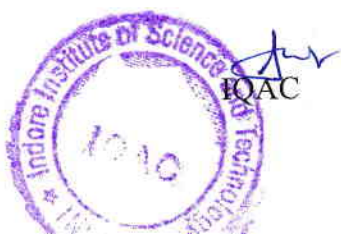
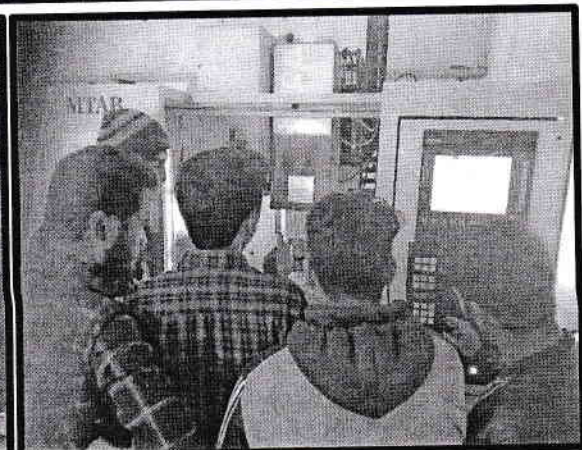
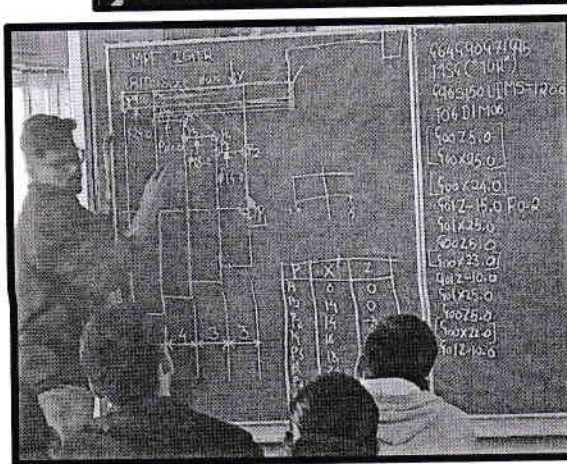
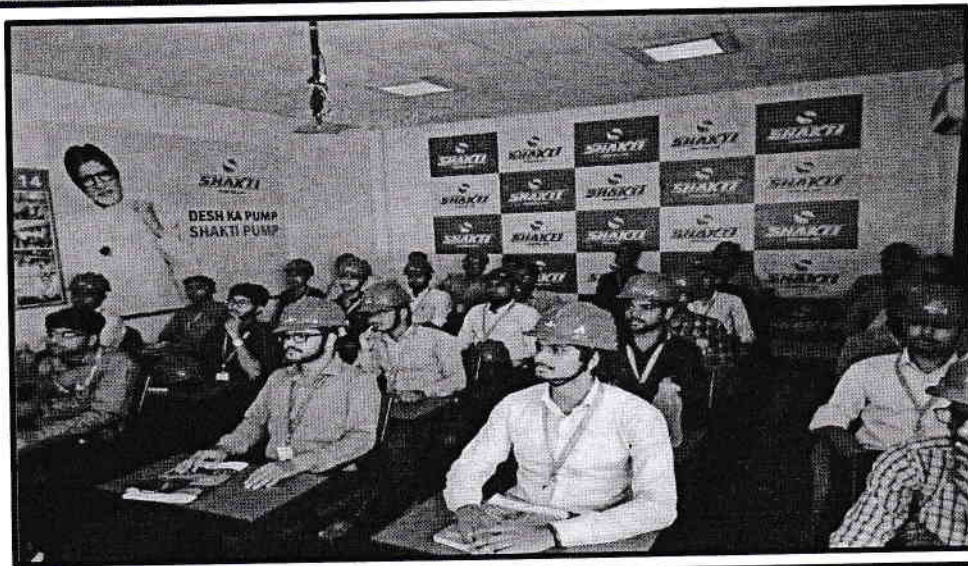
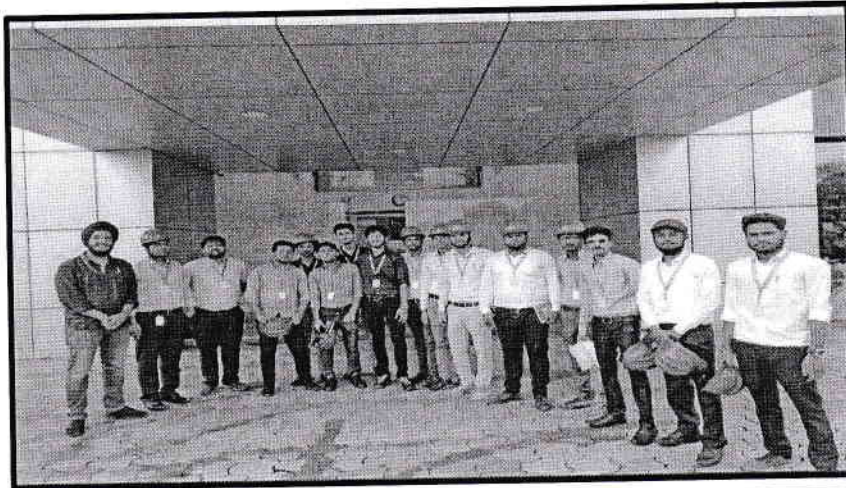
G. Internships and Skill Up Programs







H. Mechanical Students' Field Work and Lab Attainments





I. Workshop : Department of Computer Science and Allied Branches

Year	Name of the workshop/ seminar/ conference	Number of Participants	Date From – To
2023	FDP ON RESEARCH METHODOLOGY	51	24/07/2023- 28/07/2023
2023	Online session on achieving value proposition fit and business fit	61	19/07/2023
2023	Comphrehensive Data Analysis & ML	280	07/08/23
2023	Celebration of world entrepreneurship day	180	21/08/2023
2023	Full stack Development & Data Science	120	15/09/2023
2023	Enterprenuership and Innovation	132	15/09/2023
2023	Urban Infrastructure & vision	132	15/09/2023
2023	ENGINEERING DAY (Poster Competition)	50	15/09/2023
2023	Problem solving in ideation	94	23/11/2023- 24/11/2023
2023	CYBER SECURITY AWQARENESS	227	29/11/23
2023	How to crack google	230	30/11/23
2023	Algolution:Evolution of coding through algorithms(Training)	281	11/09/2023- 15/12/2023
2023	Algolution:Foundation of Data Structure & Algorithm(Training)	459	07/08/2023
2024	Algolution: Algorithmic Pinnacle-Navigating Compexity(Internship) (IT)	74	26/02/24
2024	Algolution: Algorithmic Pinnacle-Navigating Compexity(Internship) (AIML)	76	26/02/24
2024	Core Java	76	26/02/24
2024	Algolution: Algorithmic Pinnacle-Navigating Compexity(Internship) (CSE)	152	26/02/24
2023	Seminar on, "Introduction to blockchain"	55	13/03/24
2023	Seminar on," Unlocking the Door - Professional Success post Btech	25	15/09/23
2023	Seminar on,"Navigating the Startup Landscape	204	19/10/23



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## J. MOOC / NPTEL / Skill Racks Programs

**NPTEL Online Certification**  
 Funded by the MoE, Govt. of India

This certificate is awarded to  
**PARUL CHILONGIA**  
 for successfully completing the course

**The Joy of Computing using Python**  
 with a consolidated score of **66** %

Online Assignments	24.53/25	Proctored Exam	41.71/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: 12432

Prof. Devendra Jalihal  
 Director  
 Centre for Outreach and Digital Education (CDE)

Jan-Apr 2024  
 (12 week course)

Prof. Andrew Thangaras  
 NPTEL, Chennai  
 IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL24CS57S55760092 To verify the certificate

No. of credits recommended: 3 or 4

**NPTEL Online Certification**  
 Funded by the MoE, Govt. of India

This certificate is awarded to  
**NAINA ENGLE**  
 for successfully completing the course

**The Joy of Computing using Python**  
 with a consolidated score of **65** %

Online Assignments	20/25	Proctored Exam	45.15/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: 12432

Prof. Devendra Jalihal  
 Director  
 Centre for Outreach and Digital Education (CDE)

Jan-Apr 2024  
 (12 week course)

Prof. Andrew Thangaras  
 NPTEL, Chennai  
 IIT Madras

Indian Institute of Technology Madras

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Roll No: NPTEL24CS57S557600769 To verify the certificate

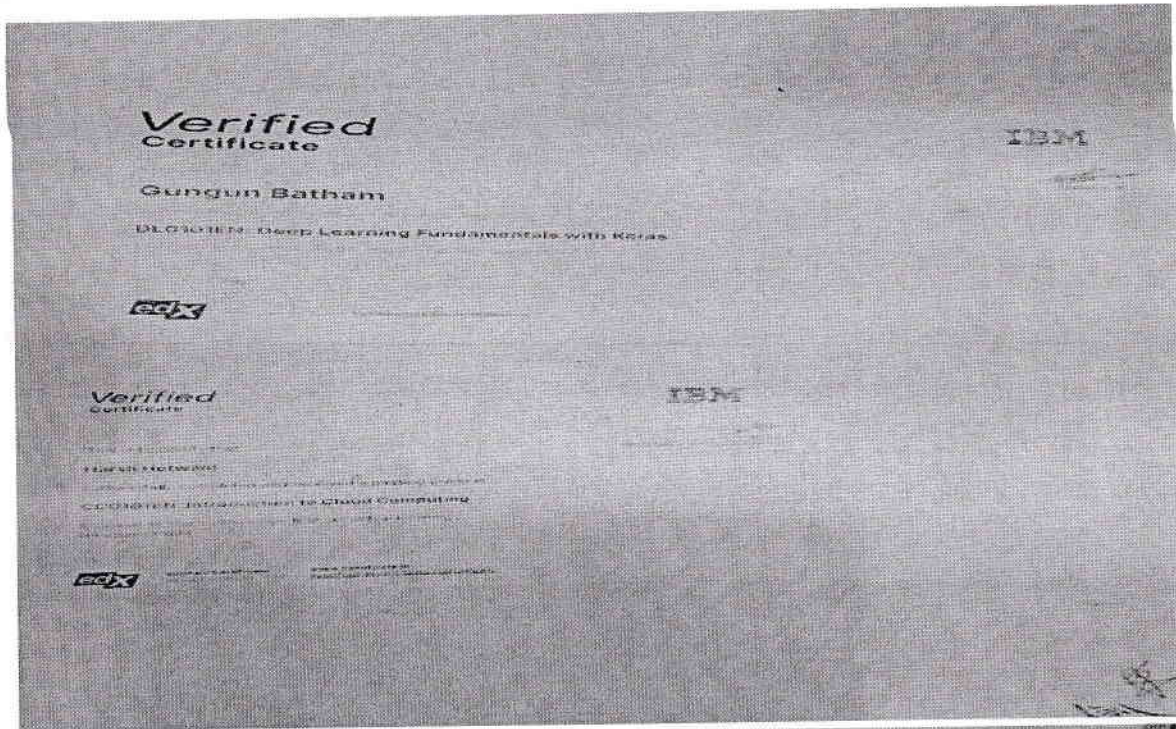
No. of credits recommended: 3 or 4



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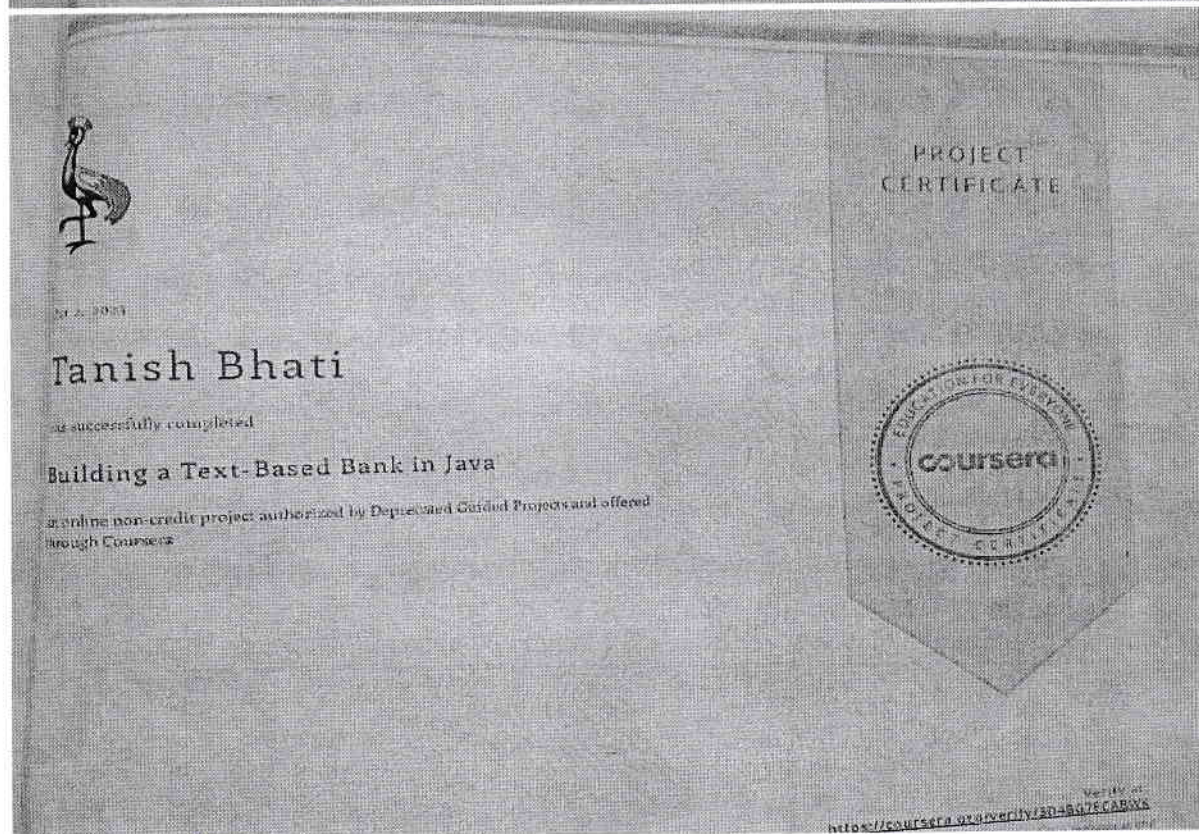
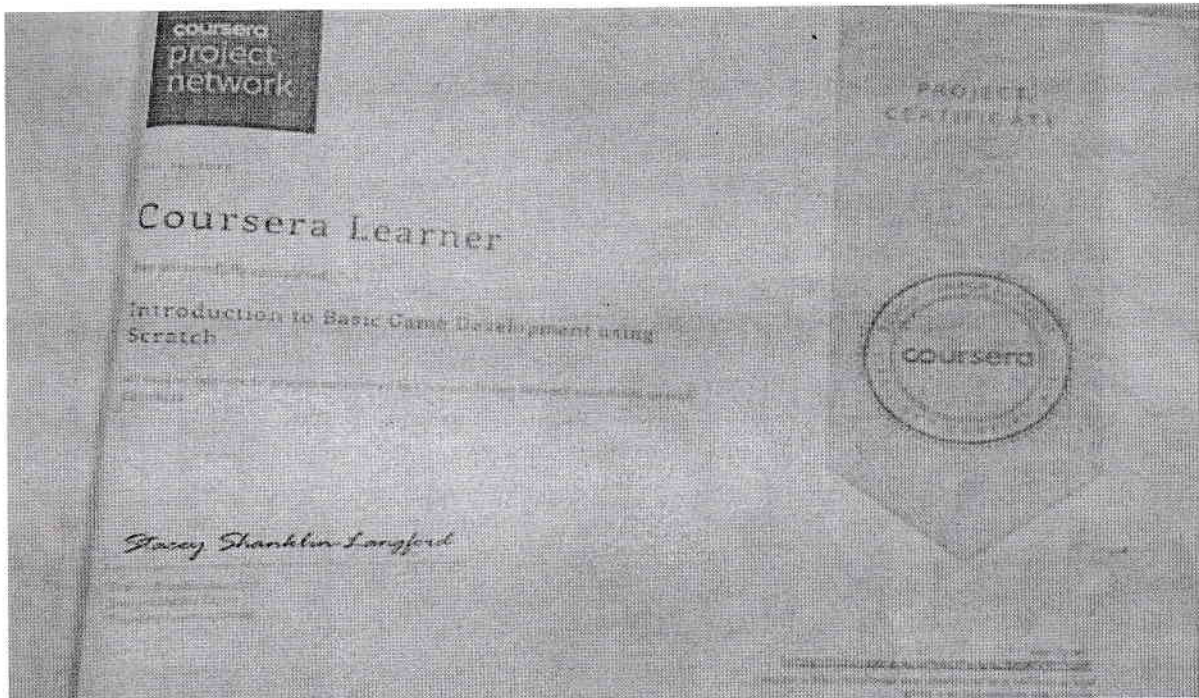
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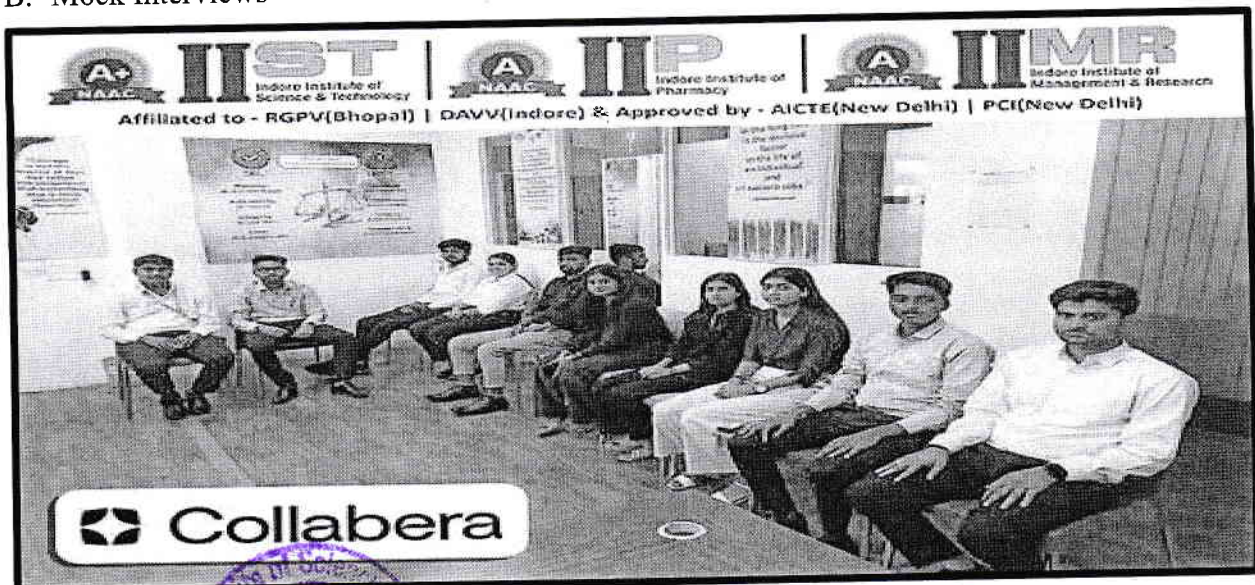


### 3. PARTICIPATING LEARNINGS

#### A. Group Discussion



#### B. Mock Interviews



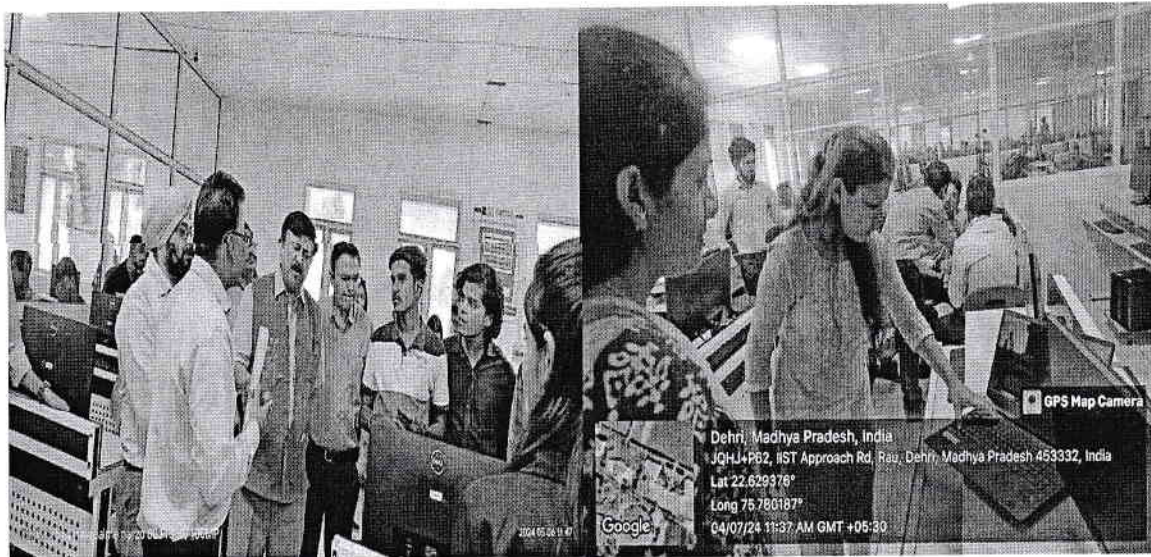




Mock Interviews session from CDC

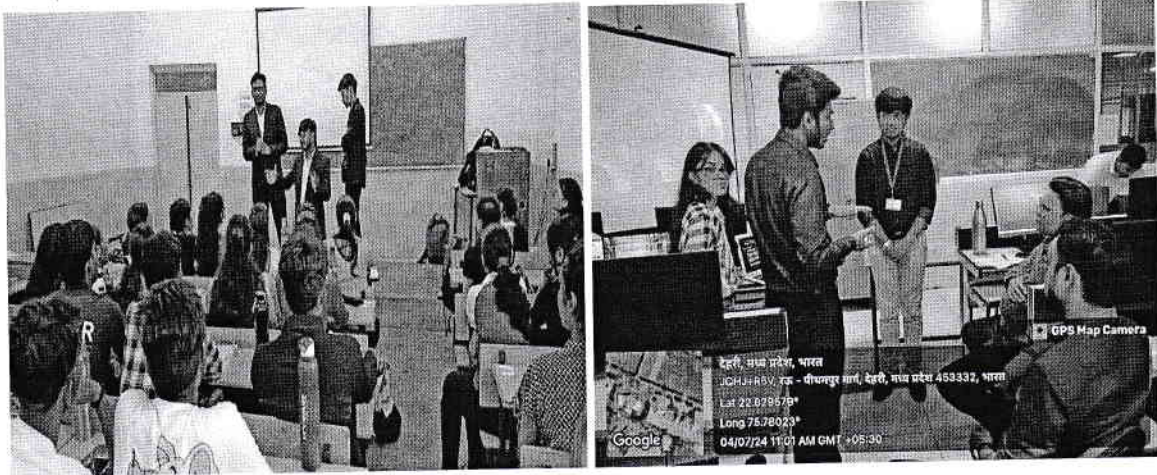
C. Technical Presentation

Students of AIML and IOT are Technical Presentations of the subjective for the learning on the participating learning.



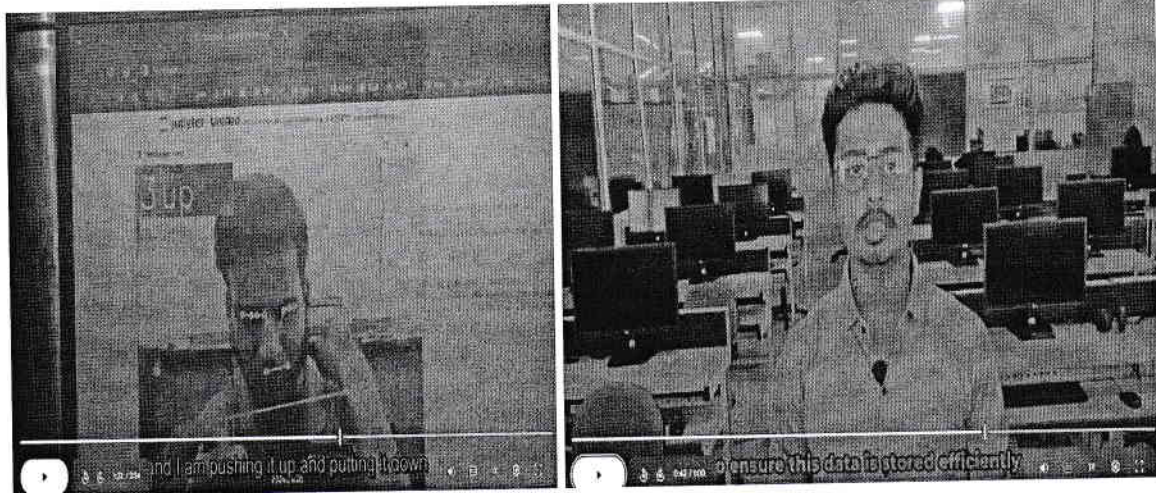
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**D. Video project presentation**

Students of Computer Science and Information Technology can present their projects on video conferencing and to the outside the campus through video conferencing.



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E. Students Society / Clubs Activities

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Nature of the activity
1	Online Webinar on Demonstration the Proteus VSM	Cybermotion Technologies Pvt. Ltd.	Webinar
2	FDP On Circuit Design, Simulation & Hands on Practice		FDP
3	eYantra Hackathon	e-Yantra (Tie-up with IIT Bombay)	Hackathon
4	Workshop cum certification course on CCNA	CISCO	Workshp
5	Comprehensive Data Analysis & ML with python(07/08/2023)	Condenscious	Traning
6	PY-TECH:AIML & IOT(07/08/2023)		Traning
7	Feature Engineering for supervised parametric ML models (15/01/24-03/02/24)		Traning
8	The Science of Entrepreneurship		Expert Talk
9	Workshop cum certification course on AWS and its infrastructure	AWS	Training
10	Core Java Skills	Programming World	Training
11	Advance Java		Training
12	Shakti 1.0 IITI DRISHTI CPS Foundation IIT indore	IIT DRISHTI CPS	Field Visit
13	Shakti 1.0		Field Visit
14	Java Basics, Python(OCT)	SkillRack	Programming Practice
15	Java Basics, Computer Fundamentals, Python(July)		
16	Java Basics, Computer Fundamentals, Python(AUG)		
17	Java Basics, Computer Fundamentals, Python(Sep.)		
18	Certification courses	edX	Certifications
19	Getting Started With Redhat	Redhat	Certifications







20	Certifications in various technical courses	Coursera	
21	Certifications in various technical and soft skill courses	NPTEL	Certifications
22	Seminar on Introduction to blockchain	Curtin University Malaysia	
23	Artificial Intelligence and Generative AI	HEMANSAI	Seminar
24	Lead through inner guidance using heartfulness techniques under heartfulness campus initiative	Heartfulness Education Trust	Seminar
25	3 day workshop under heartfulness initiative		Workshop
26	Training on CNC Milling, Conventional Milling & EDM	MSME, INDIA	Internship cum Training
27	Virtual lab Workshop	Virtual Lab- Ministry of Education (MoE) of the Government of India - IIT Delhi	workshop
28	Advance technologies in waste water treatment	IICHE	Expert Lecture



  
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F. Expert Lectures / Seminars for Students and Faculty Members


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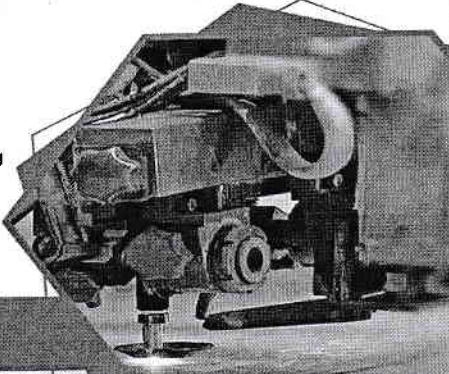
Department of Mechanical Engineering  
Organizing

**EXPERT LECTURE**  
on  
**Innovation & startup's**  
in the field of  
**Non Conventional Machining**

**Expert Speaker**



**Mr. Jeetendra Singh Wagh**  
Incharge Officer Training  
PIDC, Pithampur



**Date:** 16<sup>th</sup> Jan, 2024  
**Time:** 02:00 PM  
**Venue:** Seminar Hall-2

**Faculty Coordinator:**  
Mr. Lokesh Aurangabadkar

**Student Coordinator:**  
Mr. Prayal Pal | Mr. Yudesh Paridar

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Department of Mechanical Engineering  
Organizing

**EXPERT LECTURE**  
On  
**Quality Concept**

**Expert Speaker**



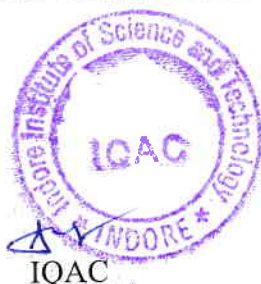
**Mr. Nitin Marathe**  
Director  
Gantavya Engineering Services Pvt. Ltd.



**Date:** 18<sup>th</sup> April, 2024  
**Time:** 11:30 AM | **Venue:** Seminar Hall-II

**Faculty Coordinator:** Mr. Umesh Badode  
**Student Coordinators:** Deepak Verma | Veerankh Paridar

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**Invitation**  
Cordially invites you to a  
environment awateness session on

**जल संवर्धन में  
सामुदायिक भूमिका**

Guest of Honor:  
**Mr. Shivam Verma IAS**  
Commissioner BMC, Indore

Guest of Honor:  
**Mr. Siddharth Jain IAS**  
CEO District Panchayat, Indore

**Tuesday, 23<sup>rd</sup> April 2024 | Time: 11:00 AM**  
Venue: Football Ground, IIST College, Rau

Warm Regards  
Shri Arun S Bhatnagar IRS  
Group Advisor  
Special Group & IIT Group of Institutions

IIST Campus, Opp. HM(Indore), Rau-Pithampur Rd., Rau, Indore  
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**The Water Man of India**  
रेजव मेठनेले मुलस्कार  
जयमलाल बज्जज पुरस्कार  
स्टोकिहोम बीटल प्रारुज  
**डॉ राजेन्द्र सिंह**  
प्रसिद्ध पर्यावरण कार्यकर्ता व जल संरक्षक

Organized by:  
Green Spaces Club



**PITHAMPUR PERSONNEL  
FRATERNITY**

Session on  
**CYBER CRIME**  
27/03/2024



**RAJESH DANDOTIYA**  
Additional DCP  
Crime Branch, Indore



**Principal**

**Principal**

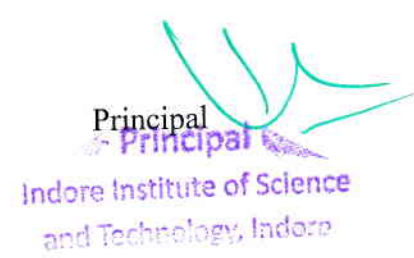
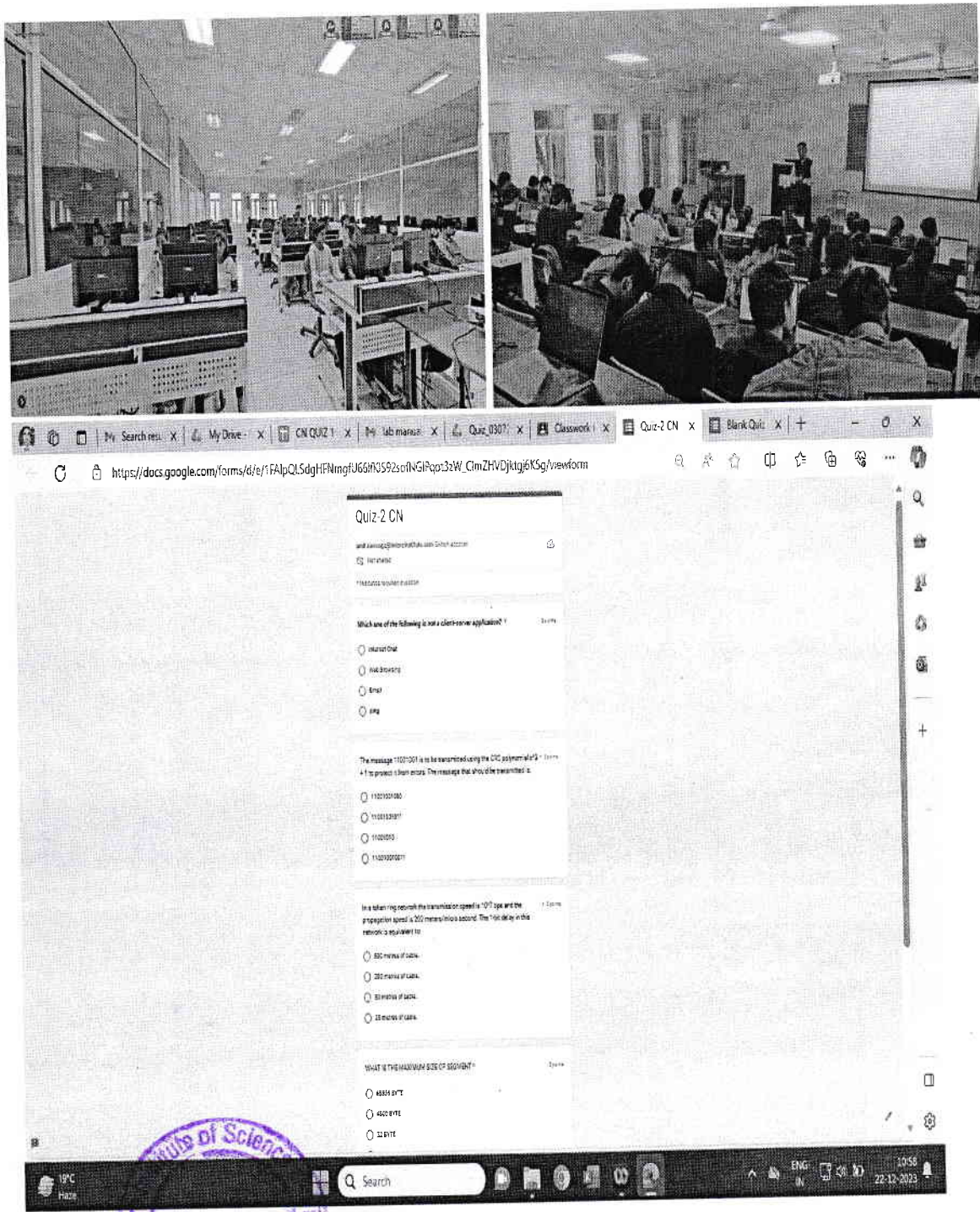
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#### 4. PROBLEM-SOLVING METHODOLOGIES

##### A. Quiz





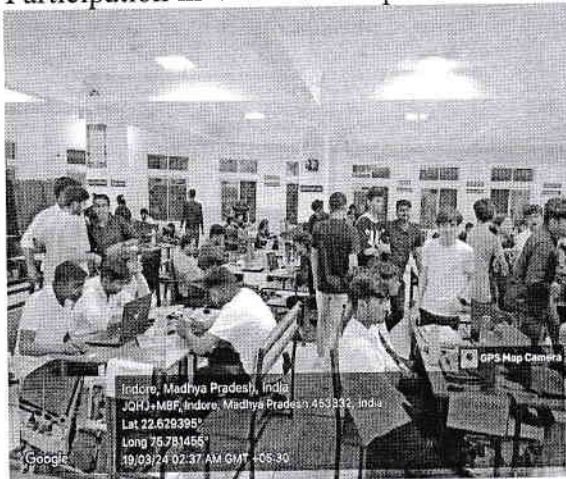


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## B. Participation in Various Competitions Inter College Hackathon




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C. Winner in Hackathon 2023

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**Congratulations to the Winners of Smart India Hackathon-2023**



**SMART INDIA HACKATHON 2023**  
Organized by Ministry of Education Government of India



**Winning Amount: 1,00,000/-**

Problem Statement of Organisation: Ministry of Defence  
Problem Statement: Robust human target detection and acquisition

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**Congratulations to the Winners of Smart India Hackathon-2023**



**SMART INDIA HACKATHON 2023**  
Organized by Ministry of Education Government of India



**Winning Amount: 1,00,000/-**

Problem Statement of Organisation: Government of Jharkhand  
Problem Statement: Online integrated platform for projects taken up by the students of various colleges/universities

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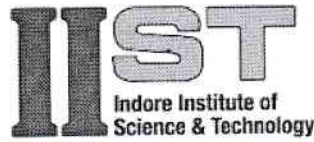
Problem Statement of Organisation: Ministry of Jal Shakti  
Problem Statement: Call for low cost automation technology for life/habitability and inland saline water harvest.

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## D. Presenting and Publication of Research Papers







5. Students' Centric methods through the use of ICT tools by the faculty

1. PowerPoint presentations- Faculties are encouraged to use PowerPoint presentations in their teaching by using LCDs and projectors. The PPTs are enabled with animations and simulations to improve the effectiveness of the teaching-learning process.
2. Industry Connect- Seminars and Conference rooms are digitally equipped where guest lectures, expert talks, and various competitions are regularly organized for students.
3. Online quiz- Faculties prepare online quizzes for students after the completion of the unit with the help of GOOGLE FORMS.
4. Video Conferencing- Students are counselled with the help of Zoom / Google Meet applications.
5. Video lecture- Recording of video lectures is made available to students for long-term learning and future referencing.
6. Online competitions- Various technical events and management events such as Poster making, Ad-mad shows, Project presentations, Business quiz, Debates, paper presentations, etc. are being organized with the help of various Information Communication Tools.
7. Workshops- Teachers use various ICT tools for conducting workshops on the latest methods such as Programming languages, simulations, etc.







Category / Contribution	CS	IT	EC	ME	CE	CM
Use of ICT Tools	Y	Y	Y	Y	Y	Y
Project / Models	Y	Y	Y	Y	Y	Y
Laboratory Courses	Y	Y	Y	Y	Y	Y
Certificate Courses	Y	Y	Y	Y	Y	Y
Industrial visits	Y	Y	Y	Y	Y	Y
Internships	Y	Y	Y	Y	Y	Y
Field work/ Field survey	-	-	-	-	Y	-
Workshops	Y	Y	Y	Y	Y	Y
Virtual Labs	Y	Y	Y	Y	-	Y
MOOC / NPTEL / Skill Racks / Any self placed course	Y	Y	Y	Y	Y	Y
Group Discussions	Y	Y	Y	Y	Y	Y
Mock Interviews	Y	Y	Y	Y	Y	Y
Technical Presentation (PPT)	Y	Y	Y	Y	Y	Y
Video Demonstration	Y	Y	Y	Y	Y	Y
Student chapter / Society / Clubs	Y	Y	Y	Y	Y	Y
Expert Lecture / Seminar	Y	Y	Y	Y	Y	Y
Quiz	Y	Y	Y	Y	Y	Y
Participating in various competition	Y	Y	Y	Y	Y	Y
Publishing technical papers	Y	Y	Y	Y	Y	Y







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## A. Various proof of its Centric Learning Training at IIST

### Cloud Based Training on Programming Languages Through



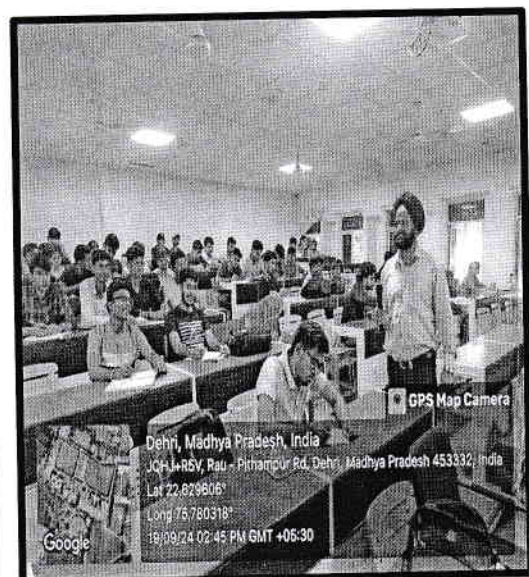
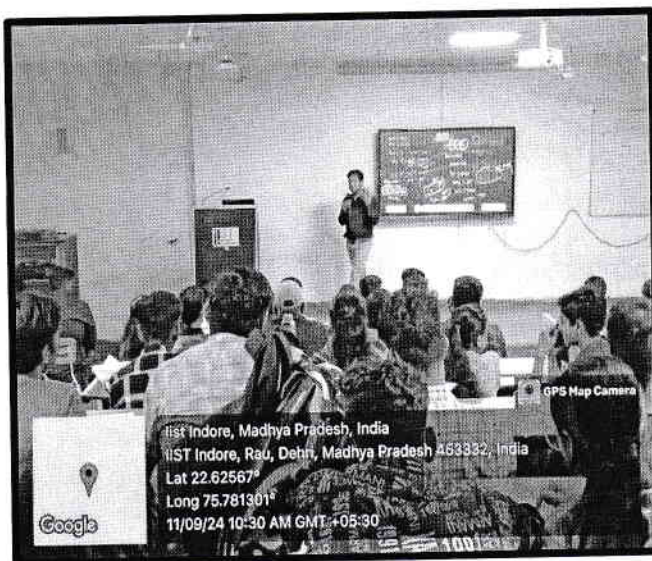
#### Project Based Learning(PBL)

We provide an On-Campus Internship encompassed with industry-demanded training and skills to conceptualize real-time problems while designing sustainable project solutions based on their innovative ideas and out-of-box thinking.



Under the patronage of Institute Innovation Council (IIC), MIC-MoE, Govt. of India, Centre for Application of Research in Engineering (CARE) @ Indore Institute is a SPV for Entrepreneurship Development, Incubation & Startup Eco-System.

## B. Live Teaching Session Using ICT tools: SIG Trainers: Mr Ankush Saklecha and Mr. Shailendra Bhalla for CSE and IT Courses



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C. Accessing the Study Material Through Google Class

