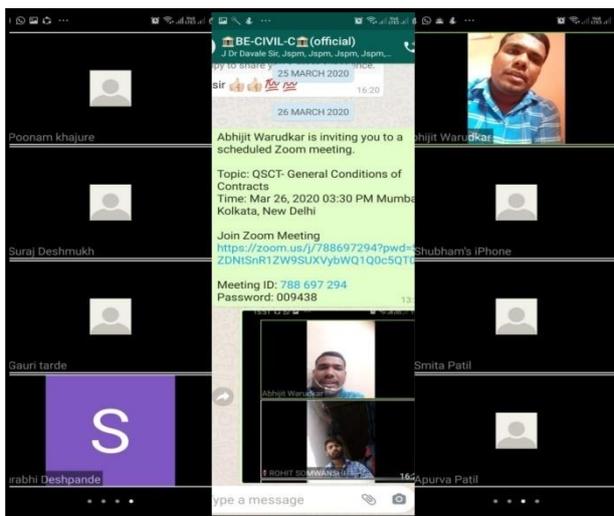


1) Interactive learning Model



JSPM's Imperial College of Engg. & Research
CIVIL ENGINEERING

4] deflection at B

According to second theorem

$$y_{BA} = \text{Moment of (M/EI) diagram between A and B about B}$$

$$= -\frac{WL^3}{6EI} \left(\frac{3}{4}L\right)$$

$$y_{BA} = \frac{WL^4}{8EI} \downarrow$$

Fig Online and offline lectures

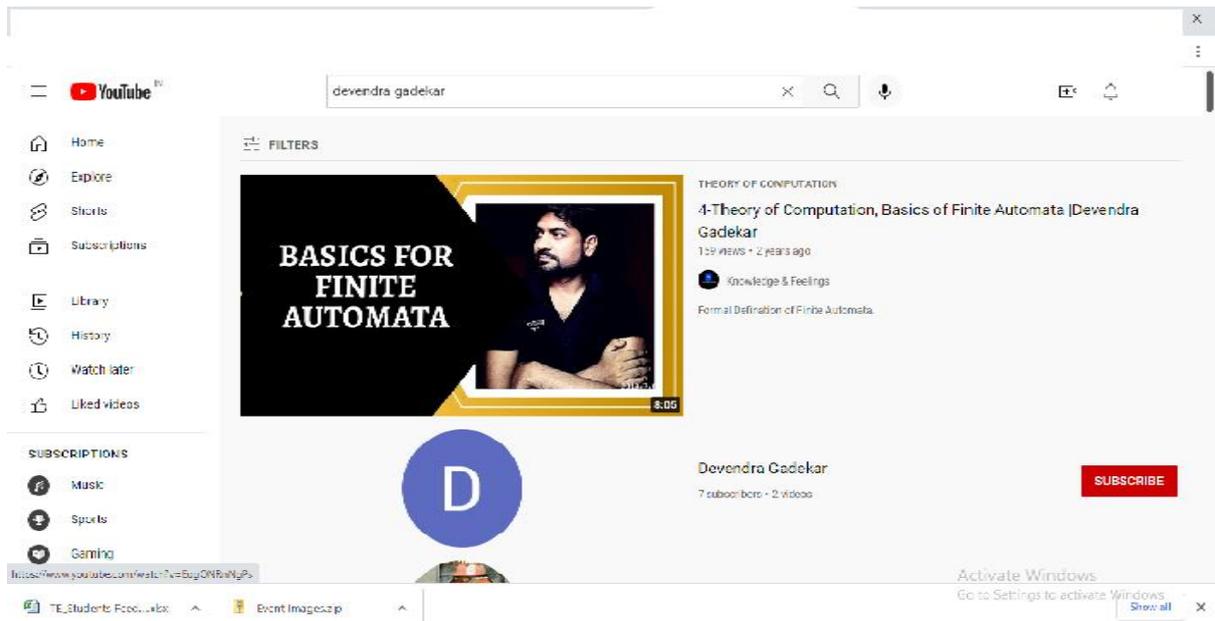


Fig. Video lectures recorded available on YouTube

2) Experiential learning



Fig. Industrial site visit at Bhima Shankar Sugar factory, Avsari- Pune



Fig. Industrial site visit at Nyatigroup- Wagholi-Pune



JSPM's
Imperial College of Engineering and Research, Wagholi, Pune
 (Approved by AICTE Delhi, DTE Mumbai & Affiliated to SPPU Pune)
 Gat.No.720,Pune-Nagar road,Wagholi,Pune,412207
 Accredited with NAAC "A" Grade



Department of Civil Engineering
INDUSTRIAL VISITS



SE Site Visit BTM at Wagholi



DESIGN SPEED, ROUTE LENGTH,
 NUMBER OF STATIONS, TRAFFIC FORECAST -
 RIDERSHIP,
 TRAIN OPERATION, TRACTION POWER SUPPLY,
 ROLLING STOCK, MAINTENANCE FACILITIES,
 SIGNALING, TELECOMMUNICATION & TRAIN
 CONTROL.



TE Site Visit Dimbhe Hydropower Station



BE Site Visit STP at Kharadi



Visit to Pune Metro



SE Site Visit Gargoti Gem Museum

Fig. Industrial site visit conducted during A.Y.2019-20

Table 2.2.5.3 Sample list of Industry Internship details A.Y. 2021-22

JSPM's Imperial College of Engineering & Research wagholi-Pune Department of Civil Engineering Internship details A.Y.2021-22		
Sr.No.	Name of Student	Name of Industry
1	Katke abhishek ganesh	PritamConstructions,Phaltan
2	Andhale dipak pralhad	Antarctic Realators,Bavdhan
3	Autade Dhananjay shivaji	M/S.A.B.Dogre& company
4	Bhalke sumit dnyanoba	Swaraj Congratulations ,Latur
5	Bidawe mayor baban	ShivajiBhaurao Kate Construction company
6	Chandre ranjeet ramakant	UtekarBuildcon Pune
7	Chavan atharv mahadeorao	UtekarBuildcon Pune
8	Dange chaitanya hanamant	Scon Project Pvt.Ltd
9	Darandale shubham haridas	DarandalePatil construction
10	Deore abhiraj gulabrao	Rajgor Developers
11	Desai sukrut ramesh	Omakr Developers, Kolhapur
12	Deshmukh sampada surykant	Agrawal Construction
15	Dhande utkarsh kishor	Nalage constructions
16	Gadhavive vivek sugreev	Vastu Developer's
17	gore kunal madan	M/s Ingawalepatil Construction Co.
18	Gotake Pratik dilip	RohanBuildcon Construction
19	Ingole kalyani sanjay	DERE congratulation, pune
20	Jadhav dyandeep annasaheb	AnandSagarVastuNirman
21	Jadhav kiran pandit	Rajveer construction and designer, Pune
22	Kamble rohit santram	MKPMC, Pune
23	Kanase kalpesh raghunath	J D Construction Dahiwadiroad,Vaduj
24	Kank harshwardhan somnath	MKPMC Hadapsar Pune
25	Khadse satish subhash	Mapari Construction Lonar
26	Kokate pravin suhas	RMC organization,Pune
27	Kul vedant	S M Construction

28	Kunhale Saurabh vitthal	Sarpe Construction
29	Kute ganesh subhash	KhandeShitole builders & Developers, Beed
30	Maske rutuja suresh	Dalvi Construction
31	Mestry vaibhav prabhakar	N V Pawar Contractor & Developers, NimgaonSawa ,tal.Junnar Dist. Pune
32	Nhavi Pratik narendra	Prathamesh Construction & Developers
33	Parkhe priti vilas	Prithviraj Construction, Pune (manjari)
34	Patel sohel shabbir	MK Consultants
37	Patil palash kishor	S M Construction, Aurangabad
38	Patil rushikesh kishor	S M Construction, Aurangabad
40	Amruta sayaji pawar	DERE CONSTRUCTION
41	Rathod ajay hirasing	Sai Construction, Yavtmal
42	Raut ashtak vaijanath	Swapnil L. Chavan Construction, Parbhani
43	Saroj karspandan santosh	PWD Raipur
44	Sayyad basit shabbir	DarandalePatil Construction, Ahamadnagar
45	Shete aditi prashant	VS Govt.Contractors, Mumbai
48	Singh akriti naynanand	Vyankatesh Engineering Nagpur
49	singhrichamahendra	Sandhya developers Pune
50	sonar Nikhil manohar	S M Construction, Aurangabad
51	Suryawanshi pramod uttam	Infinity Infra Pune
52	Tambe Saurabh annasaheb	Vasturaman Construction, Pune
54	Thorat rushikesh baburao	Swaraj Homes PVT LTD, Pune

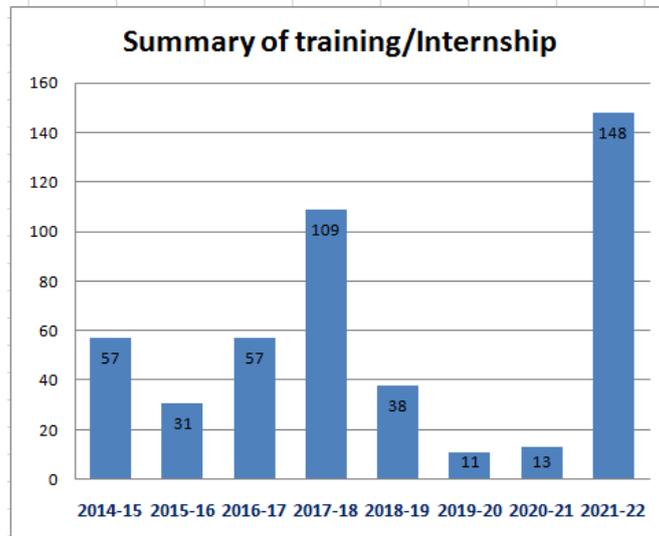


Fig. Summary of students participated in In-plant training



Fig. Visit to Celestial Institute of Technology, Pune



Fig. 9.4.3 Training courses under Texas Instruments Innovation Lab

3) Innovative teaching practice like flipped classroom.



Fig. Students enjoying innovative teaching

4) Project-based learning







Fig. Project presentation

5) Collaborative learning

Table NPTEL courses attended by students (few samples)

Sr. No.	Name of students	Title of course	Course date	AY
1	Korade Nilesh Vijay	Engineering Thermodynamics	Sept-Dec2022	2022-23
2	Shahensha Pathan	Java	Sept-Dec2022	2022-23
3	Anisha Prataprao Patil	Foundation course in managerial economics	Jan-Mar 2022	2021-22
4	Suraj Satish Patil	Foundation course in managerial economics	Jan-Mar 2022	2021-22
5	Rehmatullah Shaikh	Automation In Manufacturing	Sept-Dec2020	2020-21
6	Ayush Kumar Singh	Solid Mechanic	Jan-Mar 2020	2019-20



Fig. Sample of NPTEL online course certificate

Table Outcome of self-learning (few Examples)

Sr. No.	Name of students	Achievement
1	Rehmat Shaikh, Uttam Choudhary, Om Chaudhari Shubham Darandale	They were selected for presentation of their project in Bhopal at AICTE Vishwakarma Award 2020 - a National Level Competition and further project was shortlisted for presentation at Delhi on 24th February 2020.
2	Lokhande Ramchandra Najardhane Vijay Lonkar Ritesh Lokare Mangesh	Final year mechanical engineering project, "Solar water desalination by Fresnel lens" selected for state level project competition DIPEX 2020.
3	Vishal Aher, Dipali Pawar, Pooja Sarode, Shilpa Santapure, Poonam Thore Aditya Pranjal	They won best team award and secured 4th rank in Grand Finale of Hackathon 2K19, Chennai conducted by Ministry of HRD, Government of India.
4	AnkushMohite, Ritesh Rajput RutujaShinde	Project Titled "Green Building Online Rating System secured second rank in SavitrabaiPhule Pune University "Avishkar" Project competition at District level under UG category.
5	Vishal Aher Dipali Pawar Pooja Sarode Shilpa Santapure Poonam Thore	Best Team award and achieved 4th position among 33 teams, won Rs 10000 cash prize in Grand Finale of Hackathon 2K19, Chennai

	Aditya Pranjale	
6	Vishal Dhondiram Aher Raj Umakant Patil Aditya Rajesh Sawale Pooja Ambadas Bhagat Vasanta Ganesh Sanga Aditya Prajale	Participated in Grand Finale of Hackathon SIH2020, Odisha

6) Inductive/Memory thinking model

The screenshot shows a Moodle quiz interface for a course titled "Structural Analysis ...". The user's name, "Vijaykumar Bhusare", is visible in the top right corner. On the left, there is a "Quiz navigation" section with a grid of question numbers from 1 to 25. Question 1 is currently selected. The main area displays "Question 1" with the text: "A cantilever beam AB has a span of 5m, a concentrated load of 50kN is acting at Cantilever end B. deflection at B is:". Below the question, there are four multiple-choice options: a. 256.32/EI, b. 312.15/EI, c. 225.25/EI, and d. 416.16/EI. A "Next page" button is located at the bottom right of the question area. At the bottom left, there is a "Start a new preview" button.

Fig. Sample quiz of course, Structural Analysis in Moodle

7) Experiential learning:

JSPM's, Imperial College of Engineering & Research, Wagholi, Pune. Department of Computer Engineering			
Internship List of Students A. Y. 2021-22			
Internship 2021-22			
Sr. No.	Name of Student	Class	Organization
1	BANKAR PRATIKSHA BALASAHEB	TE	Flourisense Tech
2	BHIRUD JATIN VIKAS	TE	SSJIT Solutions Pvt.Ltd
3	BHONDAVE MANSI	TE	Flourisense Tech, SSJIT Solutions Pvt. Ltd
4	BORA ANIRUDH	TE	Sparks foundation
5	CHAUDHARI OM AMRUT CHAUDHARI SEJAL LAXMAN	TE	Flourisense Tech
6	CHAUDHARI SEJAL LAXMAN	TE	The Sparks Foundation
7	CHAUHAN VISHAL VIJAY DHORMALE APEKSHA SURESH	TE	Letsgrowmore
8	DUKARE BHAKTI SHIVAJI	TE	Florisense Tech,SSJIT Solutions Pvt.Ltd
9	GAHINE SAYALI BHARAT	TE	SSJIT Solutions Pvt.Ltd
10	GAYKAR YASH BALASAHEB	TE	Florisense Tech
11	GEORGE ALFRED	TE	Florisense Tech
12	JHA NIKHIL MADANKUMAR	TE	KPMG
13	KADAM GOURAV ASHOK	TE	Flourisense Tech , Daphnis labs ,SuperO softwares
14	KARLE SHRADDHA DATTATRAYA	TE	Florisense Tech
15	KHAN AYAAN ABDULLAH	TE	Sparks foundation
16	KHAN IMRAN MOHAMMED ABRAR	TE	Jagdish Electronics pvt ltd
17	KHEDKAR TEJAS RUPESH KULKARNI SURAJ PRAKASH	TE	DDP India Solution
18	MANE ADITYA SHRIPAD	TE	Florisense Tech
19	MATNE VAIBHAV RAMESHRAO	TE	Let's grow more
20	MORE SRUSHTI AJAY	TE	let's grow more
21	MULKUTKAR HRISHIKESH	TE	Florisense Tech
22	NAIK SIDDHESH SATISH	TE	NA
23			Flourisense Tech
24			Elite Techno Group

Dept. & P Coordinator

HOD

Page 1

Computer Engineering
Imperial College of Engineering & Research,
Wagholi, Pune - 412 207

Fig. Industry Internship- List of students attended industry internship



INTERNSHIP OFFER

Date: December, 13th, 2021

Dear Pratiksha Balasaheb Bankar,

I am delighted & excited to welcome you to Flourisense Tech aSoftware Development Intern. At Flourisense Tech, we believe that our team is our biggest strength and we take pride in hiring ONLY the best and the brightest. We are confident that you would play a significant role in the overall success of the venture and wish you the most enjoyable, learning packed and truly meaningful internship experience with Flourisense Tech.

Your appointment will be governed by the terms and conditions presented in Annexure A.



Fig Industry Internship Certificate of Students

Table: List of Students Participated in Internship/Training Program

Sr. No	Number of Student Participated	Class	Name of the Industry	Topics covered	Duration of Internship/Training
1	20	TE Comp (2017-18)	Zensar ESD (Employability Skill Development Program)	Advance Java	21 days Training program
2	30	TE Comp (2018-19)	Zensar ESD (Employability Skill Development Program)	Advance Java	21 days Training program
3	24	TE Comp (2019-20)	Zensar ESD (Employability Skill Development Program)	Advance Java	21 days Training program
4	20	TE Comp (2020-21)	Zensar ESD (Employability Skill Development Program)	Advance Java	21 days Training program
5	19	TE Comp (2021-22)	Zensar ESD (Employability Skill Development Program)	Advance Java	21 days Training program

List of courses conducted

Branch	Name of Add on /Certificate programs offered	Year of offering	Duration	No of Participants
Civil	Awareness & Demo session of seventh sense talent solutions	2021-22	2 days	200
	Excellence in Building planning and drawing	2021-22	1 day	112
	Applications of RSGIS in Civil Engg	2021-22	1 day	92
	How to become registered Valuer	2021-22	1 day	84
Comp	Awareness & Demo Session of 7th Sense Talent Solutions	2021-22	1 Week	60
	Data Visualization using Power BI	2021-22	1 Day	50
	JAVA Training	2021-22	43 Days	50
E&Tc	Marketing and operation Intern	2021-22	4 months	
	Wings of Desire public relation	2021-22	2 weeks	
	Entrepreneurship network	2021-22	4 days	
	Advance diploma in Java Technologies	2021-22	6months	
	Field of marketing	2021-22	2months	
MBA	“Employability Skills” under “Life Skills” Organized by Rubicon	2021-22	1 Week	52
MECH	Python Training	2021-22	5-Days	71
	Hands-on Training on Solid Works	2021-22	1 Month	52
	CFD Training with Practice	2021-22	5 Days	70
Civil	Valuation Land Building	2020-21	3 days	76
	A technical talk on Green Building	2020-21	5 days	92
	Core Java Training	2020-21	1 day	55
	Design of overhead Water tank	2020-21	3 day	64
Comp	JAVA training	2020-21	1 month	65
	Gnyantirth Aptitude training	2020-21	2 Days	67
E&Tc	Core java programming course	2020-21	1month	
	Advance java	2020-21	1month	
	Gustovalley Technovation	2020-21	1month	
MBA	Beginner to Pro in Excel: Financial Modelling and Valuation	2020-21	2 Weeks	10
	Talent Management	2020-21	2 Weeks	7
MECH	Creo 4.0 Training	2020-21	15 Days	50
	Hands on Training on SCILAB	2020-21	5 Days	40
	Photovoltaic Materials	2020-21	1 Day	85
	Expert talk on Interview Techniques	2020-21	1 Day	60
Civil	Civil Core(C2) software club	2019-20	1 day	87
	REVIT MEP	2019-20	1 day	72
	Opportunity and recent changes in the market	2019-20	1 day	65
	IES or GATE or Competitive exam guidance	2019-20	1 day	62
Comp	Analysis SDL Mini Project	2019-20	1 Day	70
MECH	Solid Works Training	2019-20	1 Month	55
	CFD Training	2019-20	5 days	42
Civil	Bar Bending Schedule on Industry Approach	2018-19	1 Day	47
	Preparation of Competitive GRE, GMAT & TOEFELL	2018-19	1 day	65

	GIS and Geo informatics	2018-19	1 day	58
	Advance concepts of Site management and its application in Civil Engg	2018-19	1 day	62
	Introductory information of Software like Auto CaDD, FEM based software's	2018-19	1 day	60
Comp	Hadoop Architecture	2018-19	1 Day	70
MECH	Training Program on ROBOT Making	2018-19	1 Day	80
	Expert talk on Design & Development of F1 car	2018-19	1 Day	68
	Hands on training on Catia	2018-19	25 Days	60
Civil	Industrial Practices in Civil Engg IPCE-2017	2017-18	3 days	106
Comp	Artificial Intelligence	2017-18	1 Day	80

8) Participative learning:



Fig. International Yoga Day



Fig. Glimpses of technical festival Cynosure 2020 events



Fig. Glimpses of Annual Event CRESTA 2020

9) NSS Activities



Fig. NSS Camp activity activities at village Pimpri Sandas AY 2019-20



Fig. Blood Donation Camp



Fig. Food donation for flood affected areas