



Design, Drafting and Analysis of Industrial Piping System

Jointly Sponsored by of GTU and AICTE



Programme Schedule: 21.03.2022 – 26.03.2022

Organized By:

**Mechanical Engineering Department
GIDC Degree Engineering College, Abrama**

Online Faculty Development Programme on
Design, Drafting and Analysis of Industrial Piping System
Jointly Sponsored by GTU and AICTE
(21.03.2022 - 26.03.2022)

Mechanical Engineering Department of GIDC Degree Engineering College, Navsari has conducted online FDP on “Design, Drafting and Analysis of Industrial Piping System” under the aegis of **GTU and AICTE** during **21.02.2022 to 26.03.2022**. The eminent speakers from premier national institutes and industries were invited for the **6 Days FDP** programme.

Day-1	Session 1	Formal Inauguration and key Note Address by : Dr. Rajesh Khajuria [Vice President, Rishabh Software, Vadodra] Dr. Sunil Somani [Vice Chancellor, Oriental University, Indore]
	Session 2	Prof. Dr. H. S. Patil [Professor & Head, Department of Mechanical Engineering, GIDC Degree Engineering College, Abrama]
	Session 3	Dr. S. B. Arya [Assistant Professor, Dept. of Metallurgical & Materials Engineering NIT Karnataka, Surathkal]
Day-2	Session 4	Prof. Dr. H. S. Patil [Professor & Head, Department of Mechanical Engineering, GIDC Degree Engineering College, Abrama]
	Session 5	Dr. C. K. Desai [Associate Professor, Department of Mechanical Engineering, C. K. Pithawala College of Engineering, Surat]
	Session 6	Dr. D. C. Patil [Associate Professor, Department of Mechanical Engineering, GIDC Degree Engineering College, Abrama]
Day-3	Session 7	Mr. H. B. Patel [Assistant Professor, Department of Mechanical Engineering, GIDC Degree Engineering College, Abrama]
	Session 8	Dr. C. S. Mistry [Assistant Professor, Department of Aerospace Engineering, IIT Kharagpur]
	Session 9	Mr. Vaibhav Pradhan [Division Head, Steam System Division, Forbes Marshall Pvt Ltd. Pune]
Day-4	Session 10	Dr. D. C. Patil [Associate Professor, Department of Mechanical Engineering, GIDC Degree Engineering College, Abrama]
	Session 11	Dr. D. C. Patil [Associate Professor, Department of Mechanical Engineering, GIDC Degree Engineering College, Abrama]

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	Session 12	Mr. Pratik Degadwala [Director, Sahajanand Valves Pvt. Ltd., Sachin GIDC, Surat]
Day-5	Session 13	Dr. A.V. Doshi [Assistant Professor, Department of Mechanical Engineering, SVNIT, Surat]
	Session 14	Mr. Pavitre Gupta [Senior Consultant- Technical Sales, AVEVA Vadodara]
	Session 15	Mr Shabbir Baldiwala [Lead Engineer, ESO, Rishabh Engineering, a Division of Rishabh Software, VADODARA]
Day-6	Session 16	Dr. N. D. Sharma [Principal, GIDC Degree Engineering College, Abrama]
	Session 17	Mr. V.R. Patil [ICSC Consultant, KENTECH, Middle East UAE, Dubai]
	Session 18	Mr. V.R. Patil [ICSC Consultant, KENTECH, Middle East UAE, Dubai]
	Session 19	Valedictory and MCQ Test



Online Faculty Development Programme Schedule

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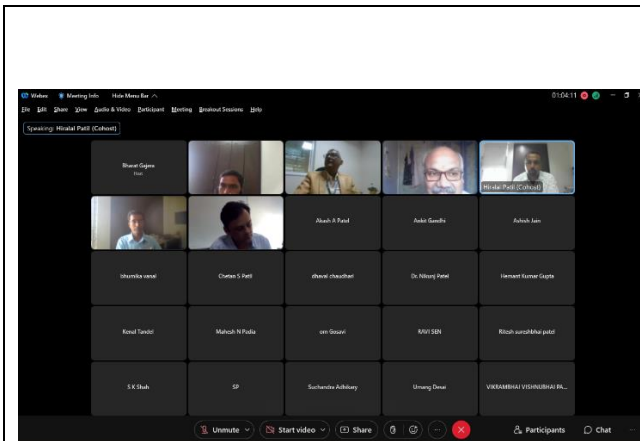
(21.03.2022 - 26.03.2022)

Date	Time	9.30 AM -11.30 AM	11.40 AM - 1.40 PM	2.15 PM - 4.15 PM
21/03/2022		1. Formal Inauguration Key Note Address by : Dr. Rajesh Khajuria Dr. Sunil Somani	2. Introduction to Piping and Piping Components (HSP)	3. Piping Materials (SBA)
22/03/2022		4. Piping Codes, Standards, and Specifications (HSP)	5. Stress Analysis of Piping (CKD)	6. Stress Analysis of Piping (DCP)
23/03/2022		7. Losses In Piping System (HBPP)	8. Gas Piping System Design (GSM)	9. Steam Trap Arrangement In Piping (VP)
24/03/2022		10. Piping Supports (DCP)	11. Piping Expansion Joints (DCP)	12. Valves In Piping System (PD)
25/03/2022		13. Pumps in Piping System (AVD)	14. 3D Piping Modelling - E3D (PG)	15. Piping Stress Analysis Software Tools- CAESAR II (SB)
26/03/2022		16. NEP 2020 (NDS)	17. Piping Instrumentation & Control (VRP)	18. Piping Fieldbus Network (VRP)
26/03/2022				19. 4.00 PM Onwards Valedictory Session MCQ Test

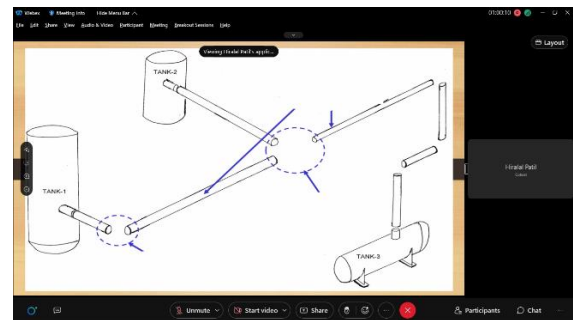
Brief of Sessions

Inaugural:

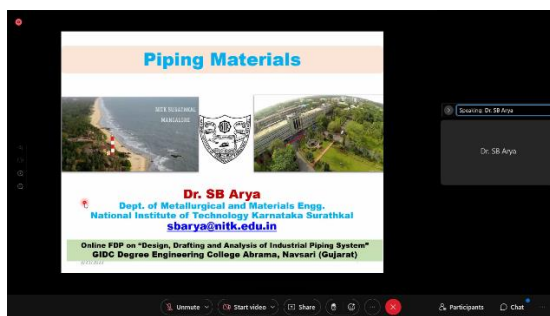
Inaugural session was held in morning 10:00 AM on dated 21.03.2022. Dr. Rajesh Kahjuria and Dr. Sunil Somani was invited as Chief Guest of the inaugural function, they shared their views on the need for comprehensive, constant, rigorous faculty development program in a dynamic, disruptive technological teaching-learning ecosystem, changing trends, and translating academic research into impactful applications. The session was also addressed by Dr. N. D. Sharma [Principal, GIDC Engineering College]. More than 50 participants along with institute faculty members had attended the online inaugural function.



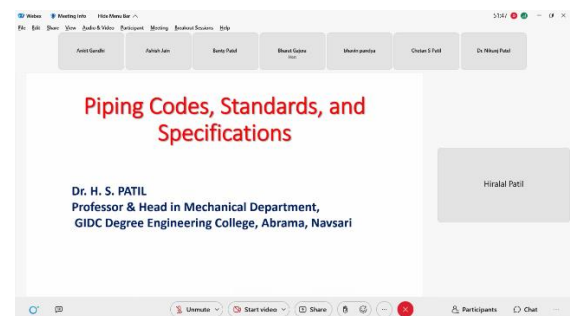
Inaugural



**Day 1: Session 1:
Introduction to Piping and Piping
Components (HSP)**

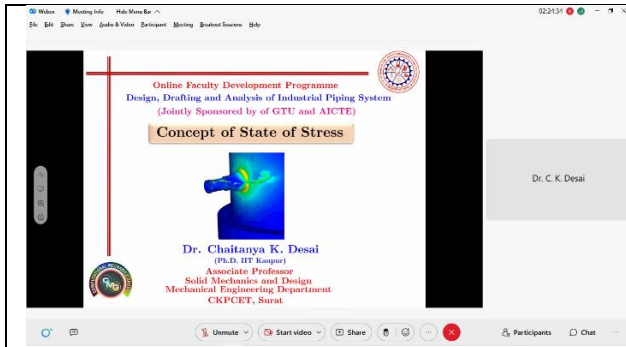


Day 1 Session 2: Piping Materials (SBA)

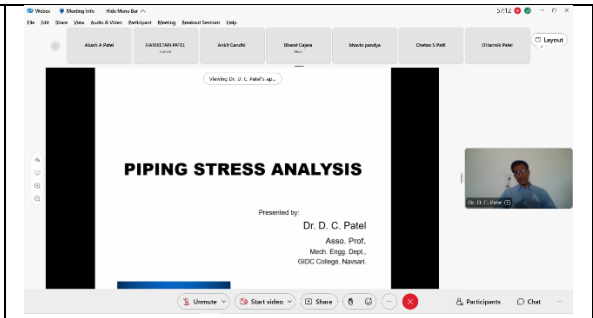


**Day 2 Session 1: Piping Codes, Standards, and
Specifications (HSP)**

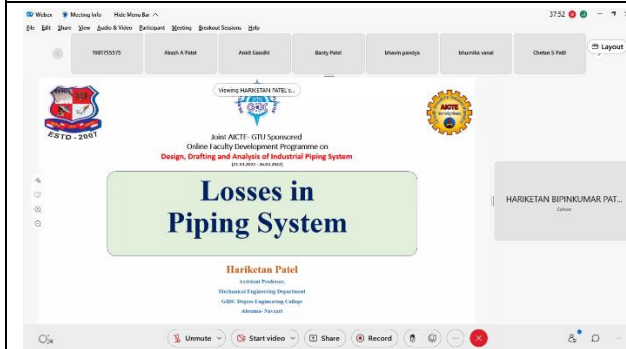
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Day 2 Session 2: Stress Analysis of Piping (CKD)



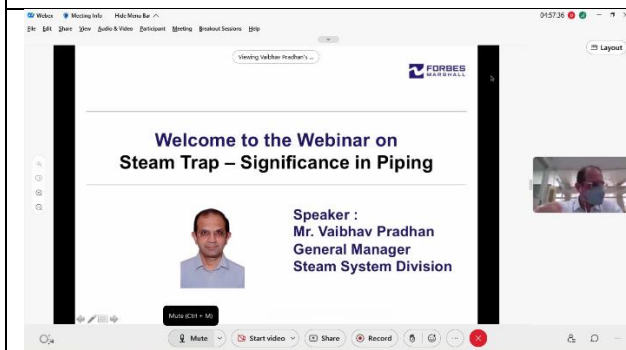
Day 2 Session 3: Stress Analysis of Piping (DCP)



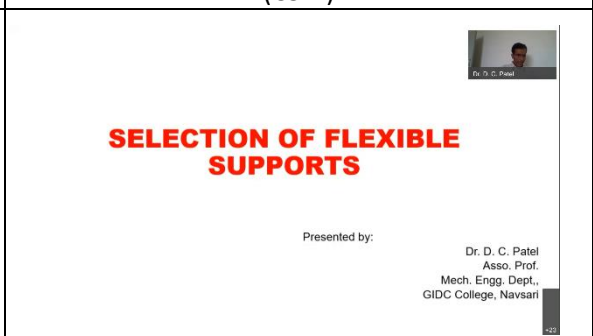
Day 3 Session 1: Losses In Piping System (HBP)



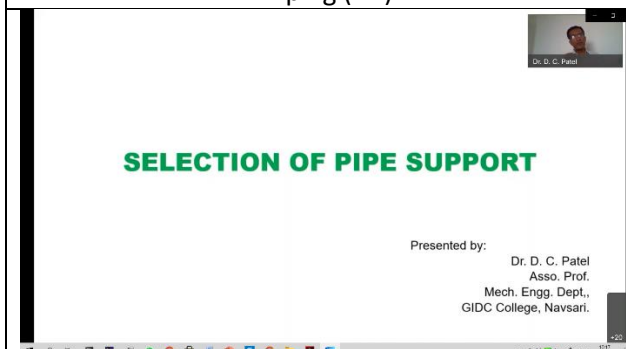
Day 3 Session 2: Gas Piping System Design (CSM)



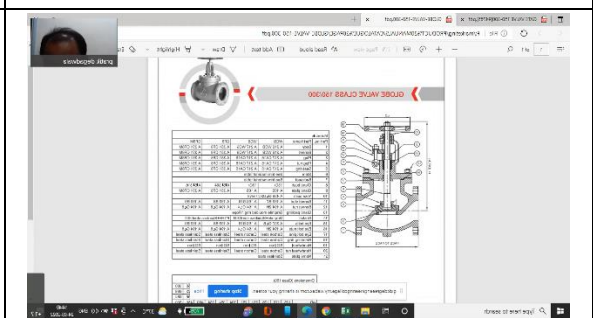
Day 3 Session 3 : Steam Trap Arrangement In Piping (VP)



Day 4 Session 1: Piping Expansion Joints (DCP)



Day 4 Session 2: Piping Supports (DCP)




Day 4 Session 3: Valves In Piping System (PD)

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on
“Design, Drafting and Analysis of Industrial Piping System”
at
GIDC Degree Engineering College Ahram, Navsari (Gujarat)

A Talk on
PUMPS IN PIPING SYSTEM

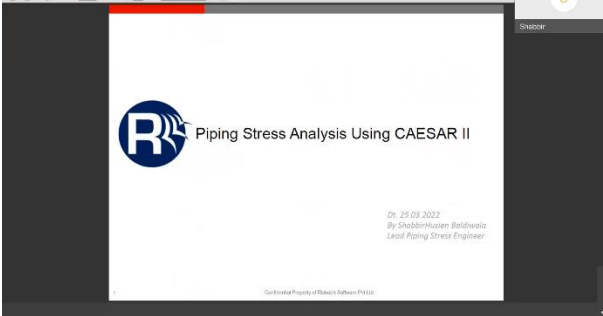


Dr. ASHISH.V.DOSHI
ASSISTANT PROFESSOR
MECHANICAL ENGINEERING DEPARTMENT
SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY
SURAT – 395 007, GUJARAT (INDIA)

Day 5 Session 1: Pumps in Piping System (AVD)



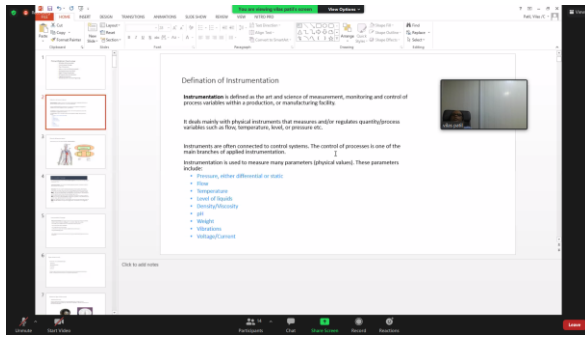
Day 5 Session 2: 3D Piping Modelling - E3D (PG)



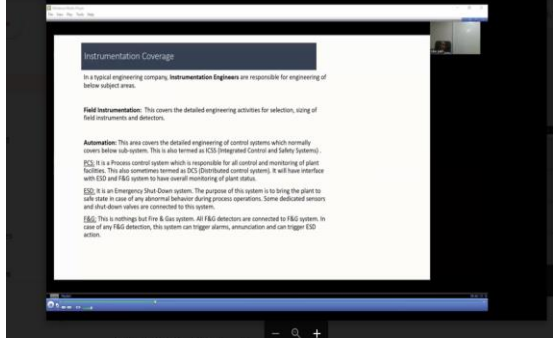
Day 5 Session 3: Piping Stress Analysis Software Tools-CAESAR II (SB)



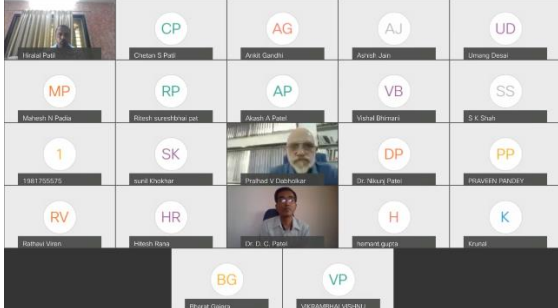
Day 6 Session 1: NEP 2020 (NDS)



Day 6 Session 2: Piping Instrumentation & Control (VRP)



Day 6 Session 3: Piping Fieldbus Network (VRP)



Valedictory Session and MCQ Test

List of Participants Registered

Sr. No	PARTICIPANT FULL NAME	NAME OF INSTITUTE
1	VINIT SAMIRBHAI PRAJAPATI	GOVERNMENT ENGINEERING COLLEGE RAJKOT
2	ANKIT GANDHI	GANDHINAGAR INSTITUTE OF TECHNOLOGY
3	RONAK SHAH	KALOL INSTITUTE OF TECHNOLOGY AND RESEARCH CENTER
4	ZADAFIYA GAUTAM HARESHBHAI	SHANTILAL SHAH ENGINEERING COLLEGE
5	NIRAJ R. SHINGALA	VVP ENGINEERING COLLEGE
6	SAPARA HARDIK DHIRUBHAI	L. D. COLLEGE OF ENGINEERING
7	DHRUV ANILKUMAR PATEL	L.J INSTITUTE OF ENGINEERING AND TECHNOLOGY , AHMEDABAD
8	BHUMIKA RAVISHANKAR VANAL	AIT
9	MANOJ J DEVMURARI	GMB POLYTECHNIC RAJULA
10	FALGUNI MAHESHWARI	L.D. COLLEGE OF ENGINEERING, AHMEDABAD
11	VIKRAMBHAI VISHNUBHAI PATEL	MERCHANT ENGINEERING COLLEGE, BASNA
12	SAHIL DEVENDRABHAI PATEL	SAL COLLEGE OF ENGINEERING
13	PRADIP S DARJI	K J INSTITUTE OF ENGINEERING AND TECHNOLOGY
14	SACHIN S. KAMBOYA	GMB POLYTECHNIC-RAJULA
15	SEN RAVIKUMAR MULCHANDBHAI	PRIME COLLEGE OF ENGINEERING AND TECHNOLOGY, NAVSARI.
16	PATEL DHIRAJ K	SARDAR PATEL COLLEGE OF ENGINEERING
17	RAIYANI AKASH D.	OM INSTITUTE OF ENGINEERING & TECHNOLOGY
18	ASHVINKUMAR SHANTILAL SUTHAR	KITRC
19	THAKAR MIHIRKUMAR JATINKUMAR	G N PATEL COLLEGE OF DAIRY TECHNOLOGY SARDARKRUSHINAGAR GUJARAT
20	KAPILKUMAR KANJIBHAI SURANI	GOVERNMENT POLYTECHNIC, AHMEDABAD
21	GANDHI PIYUSHKUMAR ARVINDBHAI	PACIFIC SCHOOL OF ENGINEERING KADODARA
22	PATEL ANSHKUMAR NILESHBHAI	GOVERNMENT ENGINEERING COLLEGE, PATAN
23	HARSHIT BHAVSAR	SAL COLLEGE OF ENGINEERING
24	HEMANT KUMAR GUPTA	SHROFF S R ROTARY INSTITUTE OF CHEMICAL TECHNOLOGY
25	RATHAVI VIREN N	SWAMINARAYAN COLLEGE OF ENGINEERING AND TECHNOLOGY, KALOL
26	RAHUL PATEL	L.D COLLEGE OF ENGINEERING
27	KRUNAL MUKESHBHAI PATEL	R. N. G. PATEL INSTITUTE OF TECHNOLOGY
28	KARTIK BISHT	CENTRAL INSTITUTE OF PETROCHEMICAL ENGINEERING AND TECHNOLOGY
29	ANMOL SINGH	CIPET AHMEDABAD
30	SARTHAK PRASAD KORDE	CENTRAL INSTITUTE OF PLASTIC ENGINEERING AND TECHNOLOGY IPT,AHMEDABAD
31	OM MORESHWAR GOSAVI	CENTRAL INSTITUTE OF PETROCHEMICALS AND ENGINEERING TECHNOLOGY AHMEDABAD
32	SUCHANDRA ADHIKARY	CIPET AHMEDABAD
33	PAL VIJAY PREMCHAND	GOVERNMENT ENGINEERING COLLEGE BHARUCH
34	CHETAN SUDAM PATIL	RNGPIT, BARDOLI
35	VATSALKUMAR SURESHBHAI PATEL	PACIFIC SCHOOL OF ENGINEERING
36	HITESHBHAI SHANKARBHAI PATEL	PACIFIC SCHOOL OF ENGINEERING, SURAT
37	CHHOWALA VIRAT DHARMESHKUMAR	SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY, (SCET), SURAT.
38	SONAIYA NIKUNJ DHIRAJLAL	OM EDUCATION CAMPUS JUNAGADH

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39	PRIYA M. PATEL	PACIFIC SCHOOL OF ENGINEERING
40	PATEL SWETA MEHULBHAI	PACIFIC SCHOOL OF ENGINEERING
41	SEJAL KEYUR SHAH	SARDAR VALLABHBHAI PATEL INSTITUTE OF TECHNOLOGY, VASAD
42	DR. G.PRAKASH	M.A.M. COLLEGE OF ENGINEERING
43	DR. NIKHILKUMAR JAGJIVAN CHOTAI	MARWADI UNIVERSITY
44	DHRUV DARJI	SAL INSTITUTE OF TECHNOLOGY AND ENGINEERING RESEARCH
45	PATEL BANTYKUMAR THAKORBHAI	SARVAJANIK COLLEGE OF ENGINEERING & TECHNOLOGY, SURAT
46	DR. NIKUNJKUMAR HARESHBHAI PATEL	VIDHYADEEP INSTITUTE OF ENGINEERING AND TECHNOLOGY, ANITA. [KIM]
47	PARMAR SAIVAL PRAVINBHAI	TOLANI F.G. POLYTECHNIC
48	DHRUV DARJI	SAL INSTITUTE OF TECHNOLOGY AND ENGINEERING RESEARCH
49	VISHAL LAKHAMSHI BHIMANI	HJD INSTITUTE OF TECHNICAL EDUCATION AND RESEARCH
50	HARDIK JITENDRA BHATT	SAL COLLEGE OF ENGINEERING
51	PATEL BRIJESHKUMAR MAHENDRAKUMAR	HANSABA COLLEGE
52	AKASH ARUNBHAI PATEL	GIDC DEGREE ENGINEERING COLLEGE, ABRAMA
53	DHARMIKKUMAR AMRUTBHAI PATEL	GIDC DEGREE ENGINEERING COLLEGE NAVSARI.
54	CHINTAN BALDANIYA	SREZ
55	DESAI CHIRAGKUMAR RAJENDRASINH	SCHOOL OF ENGINEERING, P P SAVANI UNIVERSITY
56	UMANG SHAILESHBHAI DESAI	A Y DADABHAI TECHNICAL INSTITUTE KOSAMBA
57	GADGIL ARUN RAJENDRASINH	PACIFIC SCHOOL OF ENGINEERING, SURAT
58	AKASH ARUNBHAI PATEL	GIDC DEGREE ENGINEERING COLLEGE, ABRAMA
59	MR.JIGAR P.KALOTRA	L J POLYTECHNIC
60	RITESH SURESHBHAI PATEL	A Y DADABHAI TECHNICAL INSTITUTE KOSAMBA
61	PANDYA BHAVINKUMAR PRAKASHCHANDRA	K.J.INSTITUTE OF ENGINEERING AND TECHNOLOGY-SAVLI VADODARA
62	PRAVEEN PANDEY	BUDDHA INSTITUTE OF TECHNOLOGY
63	MAHESH N. PADIA	VIDHYADEEP INSTITUTE OF ENGINEERING & TECHNOLOGY, KIM, SURAT
64	BHARAT H. GAJERA	GIDC DEGREE ENGINEERING COLLEGE
65	HITESHKUMAR CHANDRAKANT RANA	GIDC DEGREE ENGINEERING COLLEGE
66	MODI ARPIT HARIVADAN	SVIT-VASAD
67	NAIK BRUHAD SUNILBHAI	GIDC DEGREE ENGINEERING COLLEGE
68	HARIKETAN BIPINKUMAR PATEL	GIDC DEGREE ENGINEERING COLLEGE NAVSARI
69	DHAVALKUMAR S. CHAUDHARI	GIDC DEGREE ENGINEERING COLLEGE NAVSARI
70	JAIN ASHISH OMPRAKASH	GIDC DEGREE ENGINEERING COLLEGE
71	KRUNAL AJAYKUMAR HATHIWALA	GIDC DEGREE ENGINEERING COLLEGE
72	NIRAVKUMAR BHUPATSINH RATHOD	RNGPIT, BARDOLI
73	HARDIK B. NAYAK	RNGPIT, BARDOLI
74	SUNIL KHOKHAR	GIDC DEGREE ENGINEERING COLLEGE
75	KENALKUMAR DAYARAM TANDEL	GIDC DEGREE ENGINEERING COLLEGE, ABRAMA NAVSARI
76	DAKSHKUMAR RATILAL TANDEL	GIDC DEGREE ENGINEERING COLLEGE
77	KHALID SIDDIQUI	SHANKERSINH VAGHELA BAPU INSTITUTE OF TECHNOLOGY

Valedictory Session:

Valedictory session was held on 26.03.2022 in online mode at 2.15 PM. The session was addressed by FDP Coordinator Dr. H. S. Patil, Principal Dr. N. D. Sharma and Chief Guest Pralhad V Dabholkar [Managing Director Tucson Hydrocontrols Pvt Ltd]; he said how this FDP is significant for the stakeholders who are working in the area of in piping design and analysis. He congratulated the FDP coordinator and his entire team for successful conduction of FDP. Institutes faculty members with more than 50 participants attended the valedictory function.

Participant Feedback:

Participant has appreciated the efforts of organization this informative FDP. This FDP contains vast area of piping design. The entire session speaker and their sessions were to the point and justifying the FDP title.

The objective of this FDP was to offer a common platform to researchers from academic institutes, R & D organization and industry working in different mechanical and its sub domains.

Outcome of FDP:

Upon completion of this course the participant would be able to perform piping design, piping stress calculations and drafting, perform manual pipe stress calculations using formulae, graphs, and charts.

Prof. (Dr.) H. S. Patil

FDP Coordinator

Professor and Head, Mechanical Engineering Department

GIDC Degree Engineering College Abrama, Navsari (Gujarat)

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