

GOVERNMENT POLYTECHNIC HIMATNAGAR

OFFICIAL NEWSLETTER 2022-23



VISION

"Government Polytechnic Himatnagar aims to develop the quality technical education system to produce diploma engineers of highest quality, compatible to global advance technology and as per the needs of industries and society."

MISSION

Institute opts to provide innovative real time technological skill & knowhow to our diploma students who can in turn uplift the complete global scenario of industries & human needs.



PRINCIPAL'S MESSAGE

I am incredibly excited to present the highly anticipated 6th consecutive edition of our Newsletter this year! Get ready for another remarkable collection of informative and engaging content that will undoubtedly captivate our readers. We can't wait to share all the latest updates and valuable insights with you. Stay tuned - this is an edition you won't want to miss!, This year has witnessed the successful organization of numerous expert lectures aimed at benefiting students. These lectures have served as valuable learning opportunities, providing students with insights and knowledge from renowned experts in various fields. Our institution takes great pride in the continuous development of our faculty members through various

trainings and Faculty Development Programs (FDPS). Additionally, our students have greatly benefited from industrial visits, gaining practical insights into real-world scenarios. Furthermore, this year has witnessed tremendous social work by our students under the National Service Scheme (NSS). They have dedicated their time towards impactful community projects. On top of that, our students also had the opportunity to immerse themselves in cultural programs, enjoying moments of fun and celebration. It is truly remarkable to witness the growth and achievements of both our faculty members and students across various aspects.

As we move forward, I want to extend my heartfelt best wishes to all the students for the years ahead.

PAPER PUBLICATIONS

Sr No	Paper Title	Name of Faculty Publishing	Conference	ISBN No	Date of publication
1	Cable supported bridges for long to super long span.	J. H. Gabra	Sustainable Building Materials and Construction	ICSBMC - SVNIT, Surat.	14 May 2022

INDUSTRIAL VISIT

Sr No	Sem	Department	Date of Visit	Name of Industry	No. of days	No. of students
1	6	APPLIED	28/02/2023	EARTH ELEGANCE,,near toll tax,, Motipura Himatnagar	1	30
2	6	Mechanical	22/09/2022	Sabar Dairy, Himatnagar	1	25
3	6	Mechanical	23/02/2023	Sabar Cold Storage	1	31
4	6	Mechanical	05-04-2023	Panam Engineers Ltd.,	1	23
5	6	Mechanical	17/04/2023	IGTR, Ahmedabad	1	47
6	1	Civil	22-09-2022	DNC Buildcon, Nr. Aavishkar Hospital, Himatnagar	1	31
7	3	Civil	21-01-2023	One Wolrd complex, Shri Nilkanth Developer, Himannagr	1	35

FACULTIES ATTENDING FDPS

Sr No	Faculty Development Program	Name of Faculty	No. of days	Venue
1	Academic leader ship	U.R.Panchal	5	NITTTR Bhopal
2	design technology and inovation	U.R.Panchal	30	Mooc
3	leader ship and team effectiveness	U.R.Panchal	90	Mooc
4	Institutional Autonomy	D.B.Suthar	5	NITTTR Bhopal
5	Labview Software programing	D.B.Suthar	5	NITTTR Bhopal
6	Institutional Autonomy	N N PATEL	5	NITTTR Bhopal
7	Labview Software programing	N N PATEL	5	NITTTR Bhopal
8	Design Of Reinforced Concrete Structures	J B SUTHAR	12-WEEK	NPTEL
9	Advanced Foundation Engineering	J B SUTHAR	12-WEEK	NPTEL
10	Advanced Foundation Engineering	P M PATEL	12-WEEK	NPTEL
11	YOGA & POSITIVE PSYCHOLOGY FOR MANAGING CAREER & LIFE	M G BAGANI	8-WEEK	NPTEL
12	Industrial IOT and Robotics	J S PATEL	1-WEEK	GP Ahmedabad
13	Non-conventional energy Resources	J S PATEL	2-WEEK	NPTEL MOOC, IIT Madras
14	Electrical Vehicles part 1	R S PARIKH	1-WEEK	IIT Delhi
15	Solar photovoltaics: Principles, Technology and materials	A I Makhija	1 week	NPTEL, IIT Kanpur
16	Renewable Energy Sources	A I Makhija	1 Week	NITTTR, Bhopal
17	Research Methodology and data Analytics (DASE_22_19)	A I Makhija	1 Week	NITTTR, Bhopal
18	Non-conventional energy Resources	A I Makhija	2 Week	NPTEL MOOC, IIT Madras
19	Digital Protection of Power System	S N DOSHI	1 Week	IIT Roorkee

20	Electrical Vehicles part 1	S N DOSHI	1 Week	IIT Delhi
21	Renewable Energy Sources	S N DOSHI	1 Week	NITTTR, Bhopal
22	Educational Leadership	J N Darji	1 Week	NPTEL IIT, Kharagpur
23	Training and Development	J N Darji	2 Week	NPTEL
24	Electrical Vehicles part 1	A U Tripathi	1-WEEK	IIT Delhi
25	Development of Lab Manual	A U Tripathi	1-WEEK	NITTTR Bhopal
26	Development of Models of Advance pedagogy & Andragogy	A U Tripathi	1-WEEK	NITTTR Ahmedabad
27	Non-conventional energy Resources	DR. P. J. PATEL	2 Week	NPTEL MOOC, IIT Madras
28	Effective Engineering Teaching in Practice	K P Sharma	1-WEEK	IIT MADRAS
29	Applications of AI techniques in Electrical Machines and Power System	A R Nijanandi	1-WEEK	VGEC Chandkheda
30	TQM and six sigma precision for engineering institutes	S N DOSHI	1-WEEK	NITTTR Bhopal
31	MOOCS Courseware Development	S N DOSHI	2 Week	NITTTR Bhopal
32	Computer Intrigated Manufacturing	A J Barot	2 Week	Mooc (Online)
33	Manufactring Process Technology I&I	A J Barot	2 Week	Mooc (Online)
34	Computer Intrigated Manufacturing	A M Desai	1 Week	Mooc (Online)
35	Manufactring Process Technology I&I	A M Desai	2 Week	Mooc (Online)
36	Train The Trainer-Welding Technology	A M Doi	2 Week	Iace Gandhinagar
37	Engineering Metrology	B B Patel	2 Week	Mooc (Online)
38	Design Development And Implementation Of E Learning Courses	B B Patel	2 Week	Nitttr Bhopal

39	Making Mathematics Interesting	C D Zala	2 Week	Nitttr,Bhopal
40	Webcourse Design And Implementation	C D Zala	2 Week	Nitttr,Bhopal
41	Management Change And Innovation	C D Zala	2 Week	Nitttr Bhopal
42	Computer Intrigated Manufacturing	C K Motka	1 Week	Mooc (Online)
43	Manufactring Process Technology I&I	C K Motka	1 Week	Mooc (Online)
44	Engineering Metrology	C K Motka	1 Week	Mooc (Online)
45	Engineering Metrology	C N Prajapati	1 Week	Mooc (Online)
46	E-Content Development	C N Prajapati	1 Week	Nitttr,Bhopal
47	Processing And Characterization Of Materials	D V Dodiya	1 Week	Dte, Gujarat
48	Engineering Metrology	J J Damor	1 Week	Mooc(Online)
49	Welding Application Technology	J J Damor	1 Week	Mooc (Online)
50	Industrial Ndt For Welding And Casting	J R Patel	2 Week	G.E.C Gandhinagar
51	Engineering Metrology	K B Patel	1 Week	Mooc (Online)
52	Computer Intrigated Manufacturing	K B Patel	1 Week	Mooc (Online)
53	Manufactring Process Technology I&I	K B Patel	1 Week	Mooc (Online)
54	Labview Software Programming	K S Parmar	1 Week	Nitttr Bhopal
55	Smart Industry	R B Patel	1 Week	Nitttr,Bhopal

56	Manufacturing Process Technology I&I	R V Shah	2 Week	Mooc (Online)
57	Engineering Metrology	R V Shah	1 Week	Mooc (Online)
58	Train The Trainer-Paint Technology	S S Patel	1 Week	Iace Gandhinagar
59	Automation In Manufacturing	T S Raol	2 Week	Mooc (Online)
60	Industrial Ndt For Welding And Casting	T S Raol	2 Week	G.E.C, Gandhinagar
61	Exploring Measurement And Control In Robotics Usingarduino And Iot Devices	T S Raol	2 Week	Iitram, Ahmedabad
62	Cryptography & Network Security	A R Shah	12 Weeks	Mooc (Online)
63	Programming data structures & algorithms using Python	A R Shah	8 Weeks	Mooc (Online)
64	Induction Phase-I	K D Pandya	2 Weeks	NITTTR Ahmedabad
65	Futuristic Technologies in the field of IT	K D Pandya	2 Weeks	LD College of Engineering (ATAL)
66	Professional & Managerial skill for effective worklife balance	M P Mehta	1 Week	E.C. Ahmedabad
67	Futuristic Technologies in the field of IT	M P Mehta	2 Weeks	LD College of Engineering (ATAL)
68	Database Management System	P R Mehta	12 Weeks	Mooc (Online)
69	Biomedical advancements in Engineering	P R Mehta	2 Weeks	E.C. Ahmedabad
70	Python Programming	P R Mehta	1 Week	Nitttr,Bhopal
71	Climate change & disaster risk reduction: Making sustainability a way of life.	S A Valaki	1 Week	Nitttr,Bhopal
72	Python Programming	S A Valaki	1 Week	Nitttr,Bhopal
73	Learning research analysis and data visualization	S A Valaki	1 Week	Nitttr,Bhopal
74	Python for data science	S N Shukla	4 Weeks	Mooc (Online)

75	Programming data structures & algorithms using Python	S N Shukla	8 Weeks	Mooc (Online)
76	WAREHOUSE MANAGEMENT	A.V.VORA	1-WEEK	NITTTR Bhopal(ONLINE)
77	YOGA & POSITIVE PSYCHOLOGY FOR MANAGING CAREER & LIFE	K P JASODANI	8-WEEK	NPTEL
78	DESIGN OF LOW COST LAB EXPERIMENTS FOR APPLIED SCIENCES	K P JASODANI	1-WEEK	NITTTR Bhopal
79	YOGA & POSITIVE PSYCHOLOGY FOR MANAGING CAREER & LIFE	M M SHAH	8-WEEK	NPTEL
80	GOVERNANCE AND MANAGEMENT OF INSTITUTIONS	M M SHAH	1-WEEK	NITTTR Bhopal
81	WASTEWATER TREATMENT AND RECYCLING	M M SHAH	12-WEEK	NPTEL
82	OUTCOME BASED EDUCATION AND ACCREDITATION	J M PRAJAPATI	1-WEEK	NITTTR Bhopal
83	YOGA & POSITIVE PSYCHOLOGY FOR MANAGING CAREER & LIFE	J M PRAJAPATI	8-WEEK	NPTEL
84	WASTEWATER TREATMENT AND RECYCLING	J M PRAJAPATI	12-WEEK	NPTEL
85	WASTEWATER TREATMENT AND RECYCLING	D V PATEL	12-WEEK	NPTEL
86	LEADERSHIP DEVELOPMENT AT DIFFERENT LEVELS	D V PATEL	1-WEEK	NITTTR Bhopal
87	YOGA & POSITIVE PSYCHOLOGY FOR MANAGING CAREER & LIFE	M L PATEL	8-WEEK	NPTEL
88	SYNERGY THROUGH INDUSTRY INSTITUTE PARTNERSHIP	M L PATEL	1-WEEK	NITTTR Bhopal
89	YOGA & POSITIVE PSYCHOLOGY FOR MANAGING CAREER & LIFE	G A PATEL	8-WEEK	NPTEL
90	OUTCOME BASED EDUCATION AND ACCREDITATION	G A PATEL	1-WEEK	NITTTR Bhopal
91	LIFE ASSESSMENT, REPAIR AND RESTORATION OF STRUCTURES	G A PATEL	1-WEEK	NITTTR Bhopal
92	YOGA & POSITIVE PSYCHOLOGY FOR MANAGING CAREER & LIFE	A.P.CHAUDHARY	8-WEEK	NPTEL
93	IMPLEMENTATION OF OBC FOR APPLIED SCIENCE COURCES	A.P.CHAUDHARY	2-WEEK	NITTTR Bhopal

94	Indian Poetry in English	Dr.N P Patel	8-Weeks	NPTEL
95	Developing Entrepreneur and Vocational Skills	Dr,N P Patel	2 Weeks	NITTR Surat
96	Indian Poetry in English	Dr. R S Jain	8-Weeks	NPTEL
97	Implementation OBC for applied sciences	Dr. R S Jain	2-weeks	NITTR A.bad

EXPERT LECTURES ARRANGED

In 2021, total 37 Expert Lectures were arranged in Government Polytechnic Himatnagar for the benefit of students and Faculties by various departments. Students actively participated in these lectures and gaining immensely. Computer Engineering department organized 11 Expert lectures, followed by IT Department having

organized 8 Expert Lectures, Electrical Engineering department organizing 7 and Applied and Civil Engineering department organizing 5 such lectures

Sr No	Topic	Department	Name of Expert	Date	No of Participants
1	AutoCad& Coraldraw	CACD&DM	Jigneshbhai Patel	18/07/2022	40
2	CAD awareness	CACD&DM	Sachin patel	05-02-2023	30
3	Expert lecture on Illustration	CACD&DM	krina Panchal	25/07/2023	22
4	Engineer's Day	APPLIED	SHRI ANAND SHARMA	15/09/23	45
5	CONCRETE TECHNOLOGY	APPLIED	ER. JIGNESH PUROHIT	06-06-23	40
6	Startups and Innovations	ELECTRICAL	Darshan Patel	13.04.2023	40
7	PLC and SCADA	ELECTRICAL	Rohit sher	18.04.2023	35

8	Love yourself - Inspiration within	Mechanical	Dr.Apporva Raval	10-03-2023	24
9	Workshop on "Entrepreneurship Awareness Drive (EAD) Program"	Mechanical	CED, Govt. of Gujarat	28/02/2023	36
10	Workshop on "CAD/CAM & Demo. On Robotics"	Mechanical	IGTR, Ahmedabad	17/04/2023	49
11	Workshop on "Industrial Automation"	Mechanical	Softcon India Pvt. Ltd., Ahmedabad	18/04/2023	29
12	Universal Human Values - From the life of Dr. Kalam	CIVIL	Shri H. V. Mandaliya	19-09-2022	18
13	Construction Project Management using Digital Technologies	CIVIL	Prof. A. S. Patel	15-03-2023	51

FACULTY ACHIEVEMENTS

Sr No	Faculty Name	Achivement Detail	Date of Achievement
1	MANISHA P. MEHTA	Reviewer of the translation of book "Introduction to IT systems" under AICTE Technical Book writing scheme (NEP 2020)	2022-23
2	MANISHA P. MEHTA	GTU curriculum development Expert of Computer & ICT	
3	MANISHA P. MEHTA	BOS member of GTU	Since 2018
4	SANJAY A. VALAKI	GTU curriculum development Expert of Computer	27-3-23
5	PRAVINA R. MEHTA	SWAYAM" MOOC training (8weeks) by NPTEL, IIT Kharagpur on "Data Base Management System" Jun-Sep'2023. Got Elite+Silver certificate for this said course (Scored 88% in the training)	7-10-23
6	PRAVINA R. MEHTA	GTU curriculum development Expert of Computer & ICT	31-10-22
7	ARCHANA R. SHAH	Programming in Java, SWAYAM MOOC training (12 weeks) by NPTEL. Completed the course as an Elite+Gold, Topper (Top 1% from 4814 candidates), Jan-Apr 2022, Scored 99% in the training.	20-05-22
8	Ku. J.N.Darji	Ku. J.N.Darji was amongst TOP 5% (94%ile) in MOOC course "Educational Leadership " Organised by NPTEL IIT Kharagpur in Sept 22	Sep 22
9	Ku. J.N.Darji	Ku. J.N.Darji has achieved first rank all over india(100%ile) in MOOC course "Education for Sustainable Development"	April 22

10	Ku. J.N.Darji	Ku. J.N.Darji has achieved first rank all over india(100%ile) in MOOC course "Education for Sustainable Development"	April 22
11	Ku. J.N.Darji	Ku. J.N.Darji has achieved top position(99%ile) in MOOC course "Training and Development" Organised by NPTEL IIT Kharagpur in April 23	April 23
12	Shri.S.N.Doshi	Shri.S.N.Doshi was amongst top 1% in MOOC course "Digital Protection of Power System" organised by NPTEL IIT Roorkee in March 22	March 22
13	Shri.S.N.Doshi	Shri.S.N.Doshi was amongst top 2% in MOOC course "Power System Protection" organised by NPTEL IIT Roorkee in Oct 22	Oct 22
14	Shri.A.I.Makhija	Shri.A.I.Makhija presented a paper "Optimum Design and analysis for ascending elevated structure for Solar photovoltaic Roof topsystem in IEEE International conference for innovation in Technology(INOCON) in Jan 21	Jan 2021
15	Shri.A.I.Makhija	Shri.A.I.Makhija presented a paper "Computation and analysis of anistropic solar radiaton model for india in International Journal of Emerging power system,2022	2022

NSS ACTIVITIES

THIS YEAR HAS WITNESSED TREMENDOUS SOCIAL WORK BY OUR STUDENTS UNDER THE NATIONAL SERVICE SCHEME (NSS).
THE STUDENTS HAVE DEDICATED THEIR TIME TOWARDS IMPACTFUL COMMUNITY PROJECTS.

Sr. No.	NAME OF PROGRAM	DATE
1	Helmet Awareness Program	24/1/2023
2	Republic Day Celebration,2022	26/1/2023
3	Yoga Awareness Program	10/2/2023
4	Winter Cloth Donation Program	1/2/2023
5	Eye/dental/thalassemia checkup drive	10/4/2023
6	Rally against climate change	1/4/2023
7	Free Water pot for birds Distribution program	20/5/2023
8	Old toys distribution program	23/6/2023
9	Drawing Competition	27/7/2023
10	Essay Competition	27/7/2023
11	Speech Competition	28/7/2023
12	Corona Infection Awareness	1/8/2023

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11	Speech Competition	28/7/2023
12	Corona Infection Awareness	1/8/2023
13	Tree Plantation 2023	4/8/2023
14	Vasudha Vandan Event	9/8/2023
15	Meri Mati Mera Desh Events	10/8/2023
16	Taking The Panch Pran Pledge	10/8/2023
17	Independence Day Celebration, 2022	15/8/2023
18	Swachchata Program	1/10/2023





*Glimpses
of
Cultural
day
celebration*



REVENUE GENERATION

RTO Learning License Activities started from 26/11/2019 and all related activities are carried out in

the time slot 3:30 to 5:30 pm. Per day 24 candidates are processed.

Year	No. of Licenses Issued	IRG Generated
2020-21	2966	296600/-
2021-22	1765	176500/-
2022-23	1185	118500/-

RESULT ANALYSIS (SEM-6)

	Civil Engineering	CACD & DM	Computer Engineering	Electrical Engineering	Information Technology	Mechanical Engineering
Year	Institute Result (%)	Institute Result (%)	Institute Result (%)	Institute Result (%)	Institute Result (%)	Institute Result (%)
2022-23	86.84	100	94.29	79.31	87.50	54.84
2021-22	63.27	91.30	73.53	59.68	61.32	30.59
2020-21	78.95	100	100	100	100	92.86