



MECHANICAL ENGINEERING DEPARTMENT

A Report on

One Day “Hands-on Workshop on Vertical Machining Centre (VMC PX-20)” on 28-2-2020

OBJECTIVES OF THE PROGRAMME:

The Purpose of the workshop to understand the fundamentals of CNC part programming and Operation on VMC (Vertical Machining Centre) machine.

- To Bridge the gap between Academic and Industrial Practice regarding Automation in manufacturing.
- To Explore Computer Aided Manufacturing.
- To describe the fundamentals of CNC Part Programming, various processes related to Automation, applications and implications.
- To make the participants aware about the concept, Manufacturing of components, Part Programming of parts and manufacturing on VMC Machine.
- To provide experience to the participants making the topic more clear.

EXPERT SPEAKERS:

1. Mr. Ripal C. Patel : Assistant Professor (Mechanical Engineering Department, S. N. Patel Institute of Technology & Research Centre, Umrakh.)

PARTICIPANT DETAILS: ANNEXURE-I

Total 27 Participants had participated from final year students of **B.V.Patel Institute of Technilogy, Umrakh.**

OUTCOME OF THE WORKSHOP:

1. The workshop was divided in three session:
 - a. : Introduction machine setup.
 - b. : part programing and Hands on practice on VMC PX-20.
2. Mr. Ripal C. Patel explained basics of part program, how to write part program in VMC machine, set up of tool and work-piece and operation of VMC machine by the participants. .

The sessions were interactive and the speaker answered the queries of the participants in best possible manner.

WORKSHOP INVITATION: ANNEXURE II

WORKSHOP SCHEDULE : ANNEXURE III

WORKSHOP PHOTOGRAPHS : ANNEXURE IV

WORKSHOP BANNER : ANNEXURE V

WORKSHOP CERTIFICATES AND PARTICIPANT FEEDBACKS: ANNEXURE VI



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PARTICIPANT DETAILS: ANNEXURE-I

Sr. No.	Name of Student
1	CHAUDHARI DIVYESHKUMAR MOHANBHAI
2	Chaudhari Kuldeepkumar Mahendrabhai
3	Morker Akshay Rajeshbhai
4	PARMAR KALPESHKUMAR KISHORBHAI
5	Agrawal Jayesh Shaileshbhai
6	CHAUDHARI NISHITHKUMAR PRADIPSINH
7	Chaudhari Sevangkumar Arvindhbai
8	Doshi Meet Mayur
9	Dwivedi Anish Ashok Kumar
10	Gamit Ankitkumar bakulbhai
11	Gamit Ruben navinbhai
12	Kureshi Mo Vasim Ahmad Nizamuddin
13	Kushwah pradip vinod prasad
14	MARATHE HEMANT DINESHBHAI
15	Maurya Prajeet M
16	DHAVALKUMAR .S.NIYOLIYA
17	Pandey Ashishkumar J
18	Parmar Raj Ajaybhai
19	Mohit Bharatbhai patel
20	Prajapati anil kimar s.
21	Prasad Suraj Ramayodhya
22	RATHOD VIJAYKUMAR RAJUBHAI
23	SAIYED NIHALAHMED NAIMUDDIN
24	Ansar Abdulsamad Shaikh
25	Mohammad Hamza Shaikh
26	Tandel Nirbhay Ishvarbhai
27	Patel Tarang Bhareshbhai



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ANNEXURE III WORKSHOP SCHEDULE

Date:- 28-02-2020

Time	Session	Location
9:30 to 10:00am	Registration & Breakfast + Tea	Ground floor – Workshop Building
10:00 to 10:30am	Inaugural	Workshop Seminar Hall
10:30 to 12:00 pm	Introduction to Machine Set-up + Basic codes	Workshop Seminar Hall
12:00 to 1:00 pm	Lunch	Ground floor – Workshop Building
1:00 to 4:00 pm	Part-Programing and Hands-on practice on VMC PX-20	VMC Lab
4:00 to 4:30 pm	Valedictory	Workshop Seminar Hall



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ANNEXURE IV- PHOTOGRAPHS

Session: 1 Inaugural & Theory Session





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Session 2 Hands on practice on VMC PX-20





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ANNEXURE V WORKSHOP BANNER

S. N. Patel Institute of Technology & Research Centre, Umrakh
(A Vidyabharti Trust Institution)



MECHANICAL ENGINEERING DEPARTMENT
Organizes
Workshop
on
**VERTICAL
MACHINING CENTER**

Vidyabharti Campus, At & Po Baben, Ta: Bardoli, Dist: Surat, Pin: 394601



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WORKSHOP CERTIFICATES AND PARTICIPANT FEEDBACKS: ANNEXURE VI

A. CERTIFICATE DISTRIBUTION





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B. FEEDBACK BY FACULTY OF BVPIT





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PARTICIPANTS CERTIFICATES



S. N. Patel Institute of Technology & Research Centre, Umrakh
(A Vidyabharti Trust Institution)

Certificate of Participation

This is to certify that

Mr. /Ms. _____

has participated in

One Day **Workshop** on

“VERTICAL MACHINING CENTER ”

Organized by **Mechanical Engineering Department**

held at **S. N. Patel Institute of Technology & Research Centre, Umrakh**

on _____.

Prof. Nilesh V. Rana
Coordinator
SNPIT&RC, UMRAKH

Prof. Vishal Z. Dhimmar
Coordinator
SNPIT&RC, UMRAKH

Dr. Piyush S. Jain
Principal
SNPIT&RC, UMRAKH