

Faculty Development Programme (FDP)

“ADVANCED TRAINING ON GEOMETRIC DIMENSIONING & TOLERANCES”

Department Of Mechanical Engineering, Padm. Dr. V. B. Kolte college of Engineering, Malkapur

A five days faculty development programme on “ADVANCED TRAINING ON GEOMETRIC DIMENSIONING & TOLERANCES” under Department Of Mechanical Engineering, was held at the Padm. Dr. V. B. Kolte college of Engineering, Malkapur, under the patronage of Mechanical Engineering Solutions, Pune from 14th to 16th December, 2020. The FDP aims to provide opportunities to faculty members, research scholars and post graduate students to enrich their teaching skill and research in the field of engineering design and Geometric Dimensioning & Tolerances.

INAUGURAL SESSION:-

The esteemed personalities present on the inauguration of the programme:

Mr. A Bhise, Director, Mechatol Engineering Solutions, Pune,

Dr. A. W. Kharche, Principal, Padm. Dr. V. B. Kolte college of Engineering, Malkapur

Mr. S. N. Khachane, Dean Academics, Padm. Dr. V. B. Kolte college of Engineering, Malkapur

Mr. P. B. Bhise, FDP Coordinator,

Mr. G. V Gadge, HOD, Department of Mechanical Engineering, welcomed all the respected dignitaries and participants. Dr. A. W. Kharche, appreciated the program organized by Department of mechanical in his speech. Mr. S. N. Khachane, Dean Academics, also encouraged for such activities. Prof. Mr. P. B. Bhise, FDP Coordinator highlighted the need for organizing the faculty development program and also emphasized the benefits of such kind of resourceful activity.

1st Day (14/12/20) Session I: Mr. Anand Bhise, Director, Mechatol Engineering Solutions, Pune has delivered keynote address on “Drawing reading skills: Current status and Future prospects”, importance of GD & T.

1st Day (14/12/20) Session II: Mr. Anand Bhise, Director, Mechatol Engineering Solutions, Pune has delivered the Blue print reading, application of blue print reading and its effect on cost of materials, manufacturing and also to enhance the conversion efficiency of design engineer. participants were gained with the knowledge on blue print reading techniques for assembly drawing and part drawing.

2nd Day (15/12/20) Session I: Mr. Anand Bhise, has delivered an interactive lecture on difference between position tolerance and plus minus tolerance. Datum selection process from assembly and manufacturing approach. discussed about the interference and clearance fit calculations for two part assembly. Actual calculation were performed for a part where wall thickness has to be calculated for a single part analysis.

2nd Day (15/12/20) Session II: Mr. Anand Bhise, has delivered an interactive lecture on Concept and calculations of bonus tolerance, manufacturing approach, material modifier conditions MMC, LMC, RFS. In this session Mr. Anand Bhise inspired the participants to work on real time industrial drawings with system using ASME standards for engineering drawing. Manufacturing and inspection technology and also gave some guidelines on it.

3rd Day (16/12/20) Session I: Mr. Anand Bhise, has delivered a lecture on dimensioning systems, unit systems, functional dimensioning system. In this session participants were learned the step by step procedure and different techniques regarding dimensioning systems, unit systems, functional dimensioning system.

3rd Day (16/12/20) Session II: Mr. Anand Bhise, has delivered a lecture on the floating fastner calculation for assembly stack and assembly shift calculations for assembly clearance fit. In this session participants were learned the step by step procedure and different techniques regarding designing.

VALEDICTORY SESSION: The honourable personalities present in this occasion were Mr. A Bhise, Director, Mechatol Engineering Solutions, Pune. Dr. A. W. Kharche, Principal, Padm. Dr. V. B. Kolte college of Engineering, Malkapur. Mr. G. V Gadge, HOD, Department of Mechanical Engineering, summarized the program. All the personalities appreciated the department for organizing the FDP-2020, at Department of Mechanical Engineering. The program was ended with participant online feedback and vote of thanks was given by Mr. S. N. Khachane, Dean Academics.

OUTCOME: All the sessions were very much informative. The discussed areas are of great benefit for the participants as the topics match with the current working domain. Participants were enlightened with the most widely used advance technologies in this domain. This in turn will help in research activity and placement opportunity.