

Pandit Madan Mohan Malaviya National Mission on Teachers Training

PMMMNTT

Faculty Development Program

on

Product Design Engineering - Mechanical

September 28 – October 2, 2018

 **AUTODESK**
Make anything.™



TEQIP-III

**Department of Mechanical Engineering
Dr. Babasaheb Ambedkar Technological University, Lonere**

Dr. M. Sadaiah

Coordinator

Dr. A. W. Kiwelekar

FDC Coordinator

Dr. Babasaheb Ambedkar Technological University Lonere - 402103

First Faculty Development Program on Product Design Engineering

Sponsored by TEQIP/PMMMNTT/Autodesk

Time	Activity	Trainer
28th September 2018, Friday (Day 1)		
10.00 AM to 11.00 AM	Registration and High Tea	Conference Hall
11.00AM to 12.00 PM	Inaugural Function	Conference Hall
12.00 PM to 1.30 PM	Session 1 <ul style="list-style-type: none">- Agenda- FOMT and Product Design and Engineering- Design Academy- Autodesk Education community	Anand Pujari
1.30 PM to 2.00 PM	Lunch	Guest House
2.00 PM to 3.30 PM	Session 2 <ul style="list-style-type: none">- Autodesk Inventor UI Introduction- Introduction to Sketching- Sketch Constraints- Sketch Dimension	Anand pujari
3.30 PM to 3.45 PM	Tea	Computer Dept./Seminar Hall
3.45 PM to 5.45 PM	Session 3 <ul style="list-style-type: none">- Explore Autodesk Inventor UI- Exercise on Sketching	Anand Pujari
29th September 2018, Saturday (Day 2)		
9.00 AM to 11.30 AM	Session 1 <ul style="list-style-type: none">- Introduction to Part Modeling- Sketch- Extrude- Revolve- Hole- Fillet/Chamfer- Pattern- Mirror	Anand Pujari
11.30AM to 12.00 PM	Tea	Computer Dept./Seminar Hall
12.00 PM to 1.30 PM	Session 2 <ul style="list-style-type: none">- Exercise on Part Modeling	Anand Pujari
1.30 PM to 2.00 PM	Lunch	Guest House
2.00 PM to 3.30 PM	Session 3 <ul style="list-style-type: none">- Introduction to Assembly Modeling	Anand Pujari

	- Assembly Constraints	
3.30 PM to 3.45 PM	Tea	Anand Pujari
3:45 PM to 4:45 PM	Session 4 Exercise on Assembly Modeling	
4.45 PM to 5.45 PM	Session 5 - Introduction to Drawing Generation - Drawing Dimensioning - Exercise on Drawing Generation	Anand Pujari
30th September 2018, Saturday (Day 3)		
9.00 AM to 11.30 AM	Session 1 - Autodesk Fusion 360 UI Introduction - Introduction to Sketching	Rajesh
11.30AM to 12.00 PM	Tea	Computer Dept./Seminar Hall
12.00 PM to 1.30 PM	Session 2 - Exercise on Sketching	Rajesh
1.30 PM to 2.00 PM	Lunch	Guest House
2.00 PM to 3.30 PM	Session 3 - Introduction to Part Modeling - Sketch - Extrude - Revolve - Hole - Fillet/Chamfer - Pattern - Mirror	Rajesh
3.30 PM to 3:45 PM	Tea	
3.45 PM to 4.45 PM	Session 4 Exercise on Part Modeling	Rajesh
4.45 PM to 5.45 PM	Session 5 - Introduction to Assembly Joints and Motion - Assembly constraints - Exercise on Assembly Modeling	Rajesh
1st October 2018, Saturday (Day 4)		
9.00. 00 to 11.30 AM	Session 1 - Introduction to Drawing Generation - Drawing Dimensioning	Rajesh
11.30AM to 12.00 PM	Tea	Computer Dept./Seminar Hall
12.00 PM to 1.30 PM	Session 2 - Exercise on Drawing Generation	Rajesh

1.30 PM to 2.00 PM	Lunch	Guest House
2.00 PM to 3.30 PM	Session 3 - Introduction to Free Form Modeling - Exercise on Free Form Modeling	Rajesh
3.30 PM to 3.45 PM	Tea	Rajesh
3.45 PM to 4.45 PM	Session 4 - Introduction to Rendering	Computer Dept./Seminar Hall
4:45 PM to 5:45 PM	Session 5 Exercise on Rendering	Rajesh
2nd October 2018, Saturday (Day 4)		
9.00 AM to 11.30 AM	Session 1 (Test/Exam)	Anand Pujari
11.30AM to 12.00 PM	Tea	Computer Dept./Seminar Hall
12.00 PM to 1.30 PM	Farewell	Computer Dept./Seminar Hall
1.30 PM to 2.30 PM	Lunch	Guest House
2.30 PM to 3.30 PM		
3.30 PM to 3.45 PM		
3.45 PM to 5.45 PM		

Full Name	Username	Mobile Number
awk	awk@dbatu.ac.in	9890456659
Dr Mudigonda Sadaiah	msadaiah@dbatu.ac.in	9423092195
SHINDE BHAGWAN RAJEBHAU	brshinde142@gmail.com	7773913911
Bhushan Babu Nikam	bhushannikam2015@gmail.com	7588819406
Dr LAXMAN IRAPPA AMBI	laxmanambi@gmail.com	9421479703
GADEKAR TUSHAR DADASAHEB	tdgadekar13.scoe@gmail.com	9923079372
Sonal Ramesh Sawant	sonalsawant23@gmail.com	8796776177
Dr. H. S. Joshi	hsjoshi@dbatu.ac.in	8446226888
Dr. Bhagwan Fatru Jogi	bfjogi@dbatu.ac.in	9421166370
Arvind Ramlakhan Benkar	aru_benkar@rediffmail.com	7798674376
sujit prakash jagtap	sujitjagtap1222@gmail.com	9673725363
Kunal Uttam Chavan	kunal.civil420@gmail.com	9689494154
kunal Uttam Chavan	kunal.civil420@gmail.com	9689494154
Shekhar R. Patil	shekharpatil11@gmail.com	9096083934
Shrikant Shet	sshset24@gmail.com	7588106345
Ashutosh Ramchandra Dandekar	ashutosh@gmail.com	8446982062
BHUSHAN RATNAKAR MAHAJAN	brmahajan@jdcoem.ac.in	7588204966
Amit Tulashidas Bhosale	bhosaleamit3671@gmail.com	7083791521
Suraj Shamrao Pawar	surajpwr7@gmail.com	9834473705
SHITAL SURESH GUNJATE	ssgunjate.mech@pvpitsangli.edu.in	9021040696
GAURAV MADHUKAR GOHANE	gmjdcocoe@gmail.com	7709396174
RAHUL BASAWESWAR DIGGE	drahul22@gmail.com	9623477077
Shivajirao Manikrao Jadhav	smjadhav@dbatu.ac.in	9422660196
VIJAYKUMAR R.DAPKEKAR	vijay.dapkekar@gmail.com	9322227823
Dr. Nagesh Chougule	chougulenk@gmail.com	9423247208
Sandeep Bapusaheb Pankade	pankadesandy@gmail.com	9890841908
Izhak Decided Paul	izakpaul@gmail.com	7709045007
SHRIKANT ULHAS CHAUDHARI	shrikant8913@gmail.com	7709044936
Dr. Vivek B.Pansare	vivek.pansare72@gmail.com	9673992434
Jeevan Salunke	jeevansalunke@dietms.org	9822495869
Rajendra H. Shinde	rajendrashinde@dietms.org	9028762777
Prakash Mohanrao Jadhav	prakash.jadhav@ritindia.edu	997070907
Arjun Arun Kadam	arjunkadamforu@gmail.com	9730177047
Avinash Uddhavrao Karadkhele	avinash.karadkhele@gmail.com	8087893070

Faculty Development Program
on
Product Design Engineering - Mechanical

28th September - 2nd October, 2018

Attendance Sheet

Sr. No.	Name of the Participant	28/09/18		29/09/18		30/09/18		01/10/18		02/10/18	
		M	E	M	E	M	E	M	E	M	E
1	Dr. Mudigonda Sadaiah										
2	Bhushan Babu Nikam	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
3	Sonal Ramesh Sawant	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
4	Dr. Harshadeep Joshi	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
5	Dr. Bhagwan Fatru Jogi	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
6	Arvind Ramlakhan Benkar	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
7	Shekhar R Patil	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
8	Shrikant Shet	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
9	Bhushan Mahajan	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
10	Suraj Shamrao Pawar	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
11	Shital Suresh Gunjate	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
12	Gaurav Madhukar Gohane	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13	Sandeep Bapusaheb Pankade	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
14	Izhak Devid Paul	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
15	Dr. Vivek B. Pansare	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
16	Jeevan Salunkhe	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
17	Rajendra H. Shinde	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present

Organized by -

Department of Mechanical Engineering

Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra, India

Sr. No.	Name of the Participant	28/09/18		29/09/18		30/09/18		01/10/18		02/10/18	
		M	E	M	E	M	E	M	E	M	E
18	Prakash Mohanrao Jadhav	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
19	Avinash Uddhavrao Karadkhele	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
20	Rajkumar B. Patil	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
21	Vijay R. Patil	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
22	Digvijay A. Mhamane	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
23	Khake Rohit A.	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
24	Shivam P. Yadav	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
25	Dr. Sonali Mhatre	MM	MM	MM	MM	MM	MM	MM	MM	MM	MM
26	Sanjay U. Waikar	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
27	Shrikant Thorat	ST	ST	ST	ST	ST	ST	ST	ST	ST	ST
28	Dr. Hemant Warhatkar	HW	HW	HW	HW	HW	HW	HW	HW	HW	HW
29	R. A. Kharkh	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
30	Mohan Patil	MP	MP	MP	MP	MP	MP	MP	MP	MP	MP
31	Ashutosh Dandekar	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD
32	Sumit S. Waikar	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
33	Dr. Shivajiroo Jadhav	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
34	Nitesh Ganesh Gothe	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
35	Sudarshan N. Bhogat	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
36											
37											
38											
39											
40											

**Report on
Faculty Development Programme
On
Product Design Engineering
at
Dr. Babasaheb Ambedkar Technological University, Lonere**



Day 1: Inauguration Ceremony

Inauguration Session:

The esteemed personality present on the inauguration of the programme are Hon. Vice Chancellor Dr. Vilas Gaikar, Registrar Dr. S. Bhamare, TEQIP-III Institute Director Dr. S. B. Deosarkar, Dr. V. B. Nikam, Dr. P. K. Katti, FDC Coordinator Dr. A. W. Kiwelekar, Coordinator Mudigonda Sadaiah, Dr. B. R. Iyyer, and the Autodesk master trainers Mr. Anand Pujari and Mr. Rajesh Yadav.

Dr. A. W. Kiwelekar, Director of PMMMNTT welcomed all the respected dignitaries and participants. Hon. Vice Chancellor emphasised benefits of organising such activities.

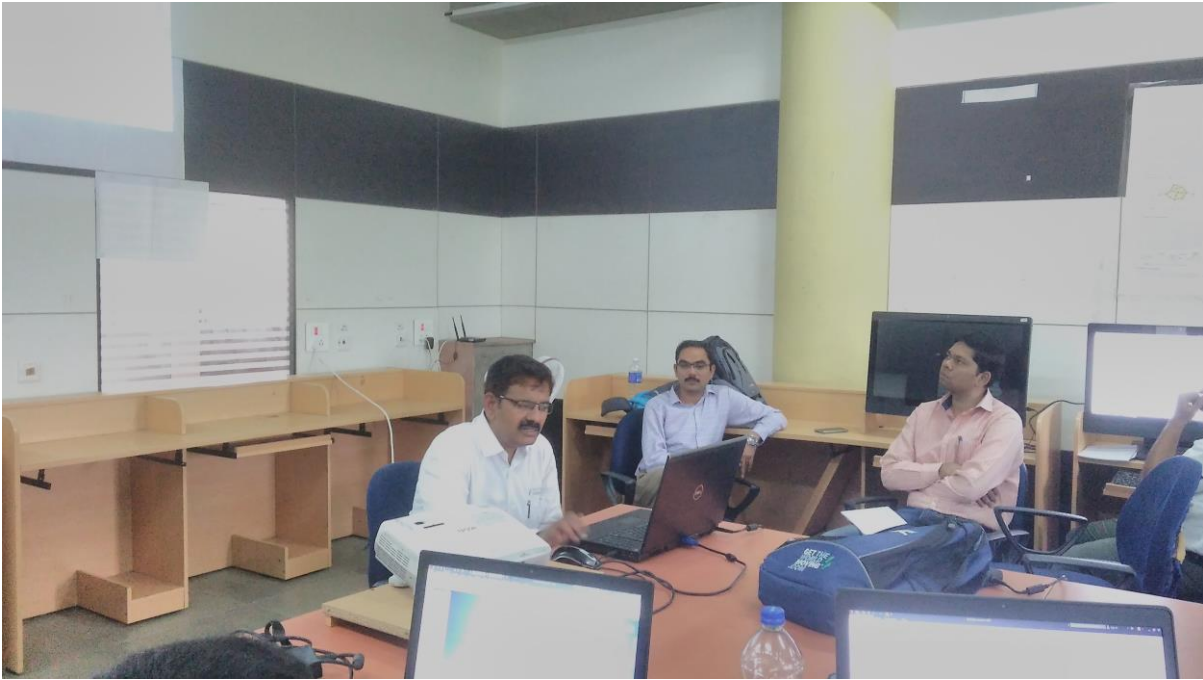
Day 1: Session 1 (Date: 28 / 10 / 2018)



Day 1: Session conducted by Mr. Anand Pujari

First session of the “Product Design Engineering” conducted by Mr. Anand Pujari. He had given the brief introduction to the topic on Product Design Engineering. He also gave various application comes under the “Product Design Engineering”

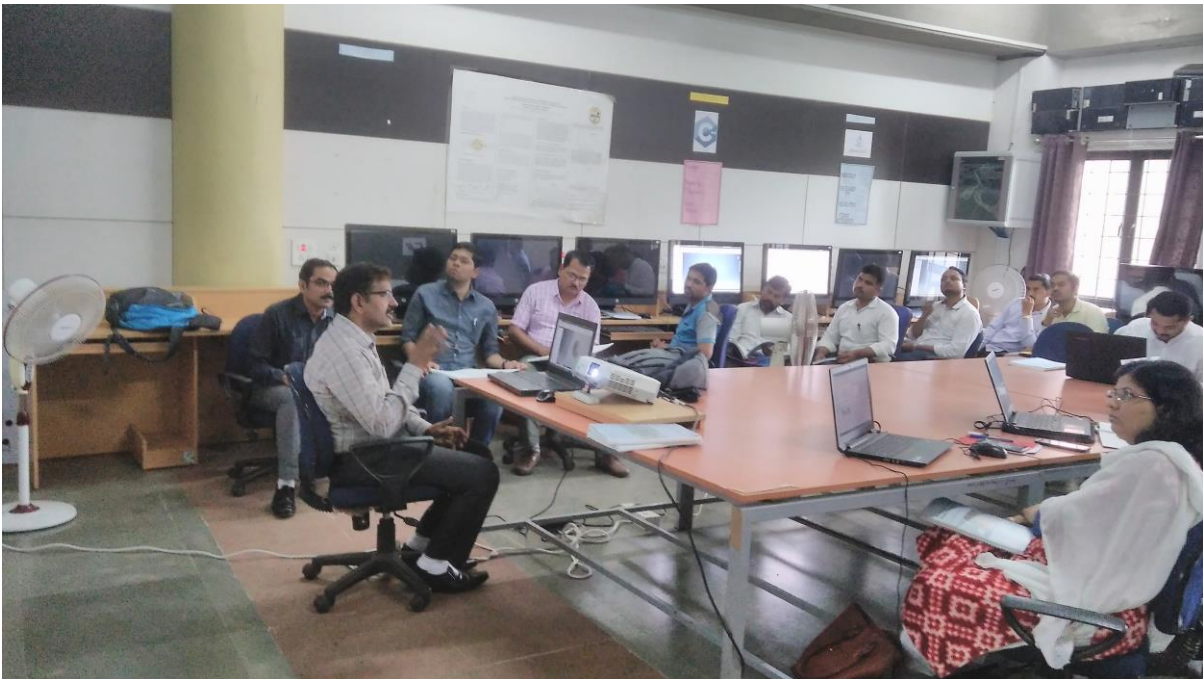
Day 1: Session 2 (Date: 28 / 10 / 2018)



Day 1: Session conducted by Mr. Anand Pujari

Anand explained Autodesk Inventor UI introduction, Introduction to sketching, Sketch Constraints, Sketch Dimensions. In this session participants learned how to design the various models or sketching exercise using the software. Mr. Anand Pujari took hands on the Autodesk Product “Autodesk Inventor 2019”.

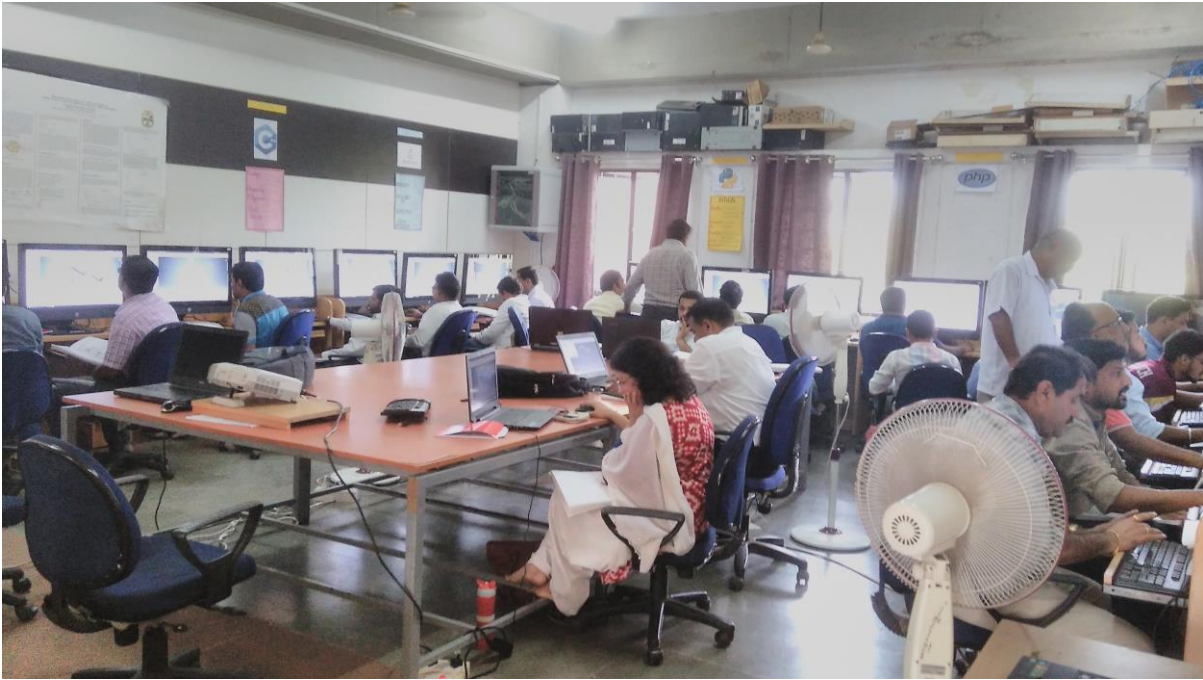
Day 2: Session 1 (Date: 29 / 10 / 2018)



Day 1: Session conducted by Mr. Anand Pujari

On the First session of Day Two was given by Mr. Anand Pujari. In this session, Anand discussed Introduction to part modelling, sketch, Extrude, Revolve, Hole, Fillet//Chamfer, Pattern and Mirror.

Day 2: Session 2 (Date: 29 / 10 / 2018)



Day 2: Session conducted by Mr. Anand Pujari

Participants drew various models on the Part Modelling using Autodesk Inventor 2019. They also learned Assembly Modelling, Assembly constraints, Drawing Generation, Drawing Dimensioning and exercise on the above mentioned topics.

Day 3: Session 1 (Date: 30 / 10 / 2018)



Day 3: Session conducted by Mr. Rajesh Yadav



Day 3: Session conducted by Mr. Rajesh Yadav

Mr. Rajesh Yadav started a First Session of Day Third on the another product of Autodesk i.e. “Autodesk Fusion 360”. Participants learned use of Autodesk Fusion 360, introduction to sketching and also practise on the Fusion 360.

Day 3: Session 2 (Date: 30 / 10 / 2018)



Day 3: Session conducted by Mr. Rajesh Yadav

In the second session of day third, Mr. Rajesh Yadav took the concept of Part Modelling. In this, he explained sketch, extrude, revolve, hole, fillet/Chamfer, Pattern, and Mirror. Also participant performed hands on the above mentioned topics. He also explained Assembly Joints and Motion, Assembly constraints and the gave exercise on the explained topics.

Day 4: Session 1 (01 / 10 / 2018)



Day 4: Session conducted by Mr. Rajesh Yadav

Day four started by Mr. Rajesh Yadav. In this session, he was given the brief Introduction to Drawing Generation, Drawing Dimensioning, also was taken an exercise on Drawing Generation.

A Group Photo of participants with Hon. Vice Chancellor Dr. Vilas Gaikar, Dr. A. W. Kiwelekar, Dr. Mudigonda Sadaiah, Dr. L. D. Netak, Mr. S. U. Waikar and Autodesk Master Trainers Mr. Anand Pujari and Mr. Rajesh Yadav.



Day 4: Group Photo with Hon. Vice Chancellor

Day 4: Session 2 (Date: 01 / 10 / 2018)



Day 4: Outstanding Performer in FDP

In second session of the day four, Mr. Rajesh continued with the topics Form Modelling and rendering. He also gave various assignments on the form modelling and rendering.

Day 4: Faliicated to Mr. Rajesh Yadav





Day 4: Felicitate to Mr. Rajesh Yadav

Day 5: Session 1 (Date: 02 / 10 / 2018)



Hon. Vice Chancellor delivered a lecture on Product Design Engineering. In this he was given the guidance on how to taught such subject to students. He explained by using various examples and motivated to come with various ideas that are needed to surrounding people.

Day 5: (Validatory Session 02 / 10 / 2018):



Day 5: Validatory Session

Before the start of validatory function, a common test conducted for the participants to know how much they gain from this FDP. Participants gave their overall opinion on the FDP. Dr. H. S. Joshi also mentioned their own opinion on the FDP. Mr. Anad Pujari gave his overall opinion on the performance of participants. Dr. Mudigonda Sadaiah and Dr. A. W. Kiwelekar distributed the certificate to participants.



Dr. Babasaheb Ambedkar Technological University

Faculty Development Program (PMMMNTT & TEQIP - III)

On

“Product Design Engineering”

28th Sept. to 2nd Oct., 2018

FEEDBACK FROM PARTICIPANTS

Date 02/10/18

1. Objectives & Contents

	Excellent	Very Good	Good	Fair	Unsatisfactory
1.1 How well did the programme meet your expectations?			✓		
1.2 How well were the stated objectives of the course achieved?			✓		
1.3 Depth of coverage			✓		
1.4 Pace of the programme				✓	
1.5 Overall usefulness of the course			✓		

2. Coordination/Faculty

2.1 Presentation skills		✓			
2.2 Response to participants		✓			
2.3 Management of the course			✓		
2.4 Audio Visual Resources used (if any)				✓	

3. Suggestions for improving the course:

- Increase Practical sessions
- Organize two week workshops

4. Any other comments:



Dr. Babasaheb Ambedkar Technological University

Faculty Development Program (PMMMNTT & TEQIP – III)

On

“Product Design Engineering”

28th Sept. to 2nd Oct., 2018

FEEDBACK FROM PARTICIPANTS

Date 02/10/18

1. Objectives & Contents

	Excellent	Very Good	Good	Fair	Unsatisfactory
1.1 How well did the programme meet your expectations?				✓	
1.2 How well were the stated objectives of the course achieved?				✓	
1.3 Depth of coverage				✓	
1.4 Pace of the programme				✓	
1.5 Overall usefulness of the course			✓		

2. Coordination/Faculty

2.1 Presentation skills				✓	
2.2 Response to participants					✓
2.3 Management of the course				✓	
2.4 Audio Visual Resources used (if any)				✓	

3. Suggestions for improving the course:

- 1) Train the trainers
- 2) The course name and content is different.

4. Any other comments:

- 1) The Faculty needs to have some home work before the sessions. They must prepared to deliver the lectures.
- 2) They must know the prerequisites of the course.



Dr. Babasaheb Ambedkar Technological University
Faculty Development Program (PMMMNTT & TEQIP – III)

On

“Product Design Engineering”

28th Sept. to 2nd Oct., 2018

FEEDBACK FROM PARTICIPANTS

Date 02/10/18

1. Objectives & Contents

	Excellent	Very Good	Good	Fair	Unsatisfactory
1.1 How well did the programme meet your expectations?			✓		
1.2 How well were the stated objectives of the course achieved?			✓		
1.3 Depth of coverage	✓				
1.4 Pace of the programme		✓			
1.5 Overall usefulness of the course	✓				

2. Coordination/Faculty

2.1 Presentation skills	✓				
2.2 Response to participants	✓				
2.3 Management of the course		✓			
2.4 Audio Visual Resources used (if any)		✓			

3. Suggestions for improving the course:

1) Provide clearcut Idea about teaching of product design Engineering
Provide references or books, also provide practical slot to conduct all practicals.

4. Any other comments:

Meal & Coordination was very nice. I would really like to
Thanks HOD Dr. Sadariah for this kindness.



Dr. Babasaheb Ambedkar Technological University

Faculty Development Program (PMMMNTT & TEQIP - III)

On

“Product Design Engineering”

28th Sept. to 2nd Oct., 2018

FEEDBACK FROM PARTICIPANTS

Date 2-10-2018

1. Objectives & Contents

	Excellent	Very Good	Good	Fair	Unsatisfactory
1.1 How well did the programme meet your expectations?			✓		
1.2 How well were the stated objectives of the course achieved?				✓	
1.3 Depth of coverage			✓		
1.4 Pace of the programme		✓			
1.5 Overall usefulness of the course			✓		

2. Coordination/Faculty

2.1 Presentation skills	✓				
2.2 Response to participants	✓				
2.3 Management of the course	✓				
2.4 Audio Visual Resources used (if any)	✓				

3. Suggestions for improving the course:

1. Cover the all syllabus of 'P.D.E' subject through F.D.P.
2. Give some written notes to teach and reach the programme outcomes.

4. Any other comments:

3. Focus on subject importance.



Dr. Babasaheb Ambedkar Technological University

Faculty Development Program (PMMNTT & TEQIP – III)

On

“Product Design Engineering”

28th Sept. to 2nd Oct., 2018

FEEDBACK FROM PARTICIPANTS

Date 02/10/18

1. Objectives & Contents

	Excellent	Very Good	Good	Fair	Unsatisfactory
1.1 How well did the programme meet your expectations?			✓		
1.2 How well were the stated objectives of the course achieved?			✓		
1.3 Depth of coverage		✓			
1.4 Pace of the programme		✓			
1.5 Overall usefulness of the course			✓		

2. Coordination/Faculty

2.1 Presentation skills	✓				
2.2 Response to participants	✓				
2.3 Management of the course		✓			
2.4 Audio Visual Resources used (if any)		✓			

3. Suggestions for improving the course:

Should contain some ideas related to syllabus of P.D.E. and different branches.

4. Any other comments:

—
—
—



Dr. Babasaheb Ambedkar Technological University

Faculty Development Program (PMMMNTT & TEQIP – III)

On

“Product Design Engineering”

28th Sept. to 2nd Oct., 2018

FEEDBACK FROM PARTICIPANTS

Date 02/10/18

1. Objectives & Contents

	Excellent	Very Good	Good	Fair	Unsatisfactory
1.1 How well did the programme meet your expectations?		✓			
1.2 How well were the stated objectives of the course achieved?			✓		
1.3 Depth of coverage			✓		
1.4 Pace of the programme			✓		
1.5 Overall usefulness of the course			✓		

2. Coordination/Faculty

2.1 Presentation skills		✓			
2.2 Response to participants			✓		
2.3 Management of the course		✓			
2.4 Audio Visual Resources used (if any)		✓			

3. Suggestions for improving the course:

4. Any other comments:

Dr. B. F. Joshi
02/10/2018



Dr. Babasaheb Ambedkar Technological University

Faculty Development Program (PMMMNTT & TEQIP – III)

On

“Product Design Engineering”

28th Sept. to 2nd Oct., 2018

FEEDBACK FROM PARTICIPANTS

Date -----

1. Objectives & Contents

	Excellent	Very Good	Good	Fair	Unsatisfactory
1.1 How well did the programme meet your expectations?		✓			
1.2 How well were the stated objectives of the course achieved?	✓				
1.3 Depth of coverage	✓				
1.4 Pace of the programme	✓				
1.5 Overall usefulness of the course				✓	

2. Coordination/Faculty

2.1 Presentation skills	✓				
2.2 Response to participants	✓				
2.3 Management of the course	✓				
2.4 Audio Visual Resources used (if any)	✓				

3. Suggestions for improving the course:

If after receiving the feedback of the knowledge of the participants there should be a baseline of knowledge over which the capitalisation should be done. That will save time and will enable to deliver more knowledge

4. Any other comments:

Very useful. Even a person without any basic knowledge will be able to build on. Very nicely organised and hot off to all arrangements. And, very adaptive sessions in the cases of resource constraints



Dr. Babasaheb Ambedkar Technological University

Faculty Development Program (PMMMNTT & TEQIP – III)

On

“Product Design Engineering”

28th Sept. to 2nd Oct., 2018

FEEDBACK FROM PARTICIPANTS

Date 2/10/2018

1. Objectives & Contents

	Excellent	Very Good	Good	Fair	Unsatisfactory
1.1 How well did the programme meet your expectations?				✓	
1.2 How well were the stated objectives of the course achieved?					✓
1.3 Depth of coverage				✓	
1.4 Pace of the programme			✓		
1.5 Overall usefulness of the course			✓		

2. Coordination/Faculty

2.1 Presentation skills	✓				
2.2 Response to participants	✓				
2.3 Management of the course	✓				
2.4 Audio Visual Resources used (if any)		✓			

3. Suggestions for improving the course:

- Please include design/analysis tools as a part of the software tools.
- Kindly address how the syllabus of the subject should ~~contain~~ be delivered.

4. Any other comments:

The name of the FDP says 'design', however, what we learnt was drawing/drafting.



Dr. Babasaheb Ambedkar Technological University

Faculty Development Program (PMMMNTT & TEQIP – III)

On

“Product Design Engineering”

28th Sept. to 2nd Oct., 2018

FEEDBACK FROM PARTICIPANTS

Date 2nd Oct 2018

1. Objectives & Contents

Excellent	Very Good	Good	Fair	Unsatisfactory
-----------	-----------	------	------	----------------

1.1 How well did the programme meet your expectations?

		✓		
--	--	---	--	--

1.2 How well were the stated objectives of the course achieved?

	✓			
--	---	--	--	--

1.3 Depth of coverage

		✓		
--	--	---	--	--

1.4 Pace of the programme

		✓		
--	--	---	--	--

1.5 Overall usefulness of the course

		✓		
--	--	---	--	--

2. Coordination/Faculty

2.1 Presentation skills

✓				
---	--	--	--	--

2.2 Response to participants

✓				
---	--	--	--	--

2.3 Management of the course

✓				
---	--	--	--	--

2.4 Audio Visual Resources used (if any)

✓				
---	--	--	--	--

3. Suggestions for improving the course:

In content of the programme. Some alteration should be made.

4. Any other comments:

Food quality → HYGIENE is not good.

Foud a Insect in ~~the~~ punch.

Keep it simple & clean.



Dr. Babasaheb Ambedkar Technological University
Faculty Development Program (PMMMNTT & TEQIP – III)

On

“Product Design Engineering”

28th Sept. to 2nd Oct., 2018

FEEDBACK FROM PARTICIPANTS

Date 02/10/18

1. Objectives & Contents

	Excellent	Very Good	Good	Fair	Unsatisfactory
1.1 How well did the programme meet your expectations?				✓	
1.2 How well were the stated objectives of the course achieved?				✓	
1.3 Depth of coverage			✓		
1.4 Pace of the programme				✓	
1.5 Overall usefulness of the course			✓		

2. Coordination/Faculty

2.1 Presentation skills		✓			
2.2 Response to participants		✓			
2.3 Management of the course		✓			
2.4 Audio Visual Resources used (if any)		✓			

3. Suggestions for improving the course:

Please add something related to other 5 units of Product design subject. Add practical to curriculum for this subject. Or add a project on product design for based on all the units.

4. Any other comments:

The course was good from Autodesk. We need more FDP on Product design for other units it can be for 1 or 2 days. Kindly add practical or project based curriculum for product design.



Dr. Babasaheb Ambedkar Technological University
Faculty Development Program (PMMMNTT & TEQIP – III)

On

“Product Design Engineering”

28th Sept. to 2nd Oct., 2018

FEEDBACK FROM PARTICIPANTS

Date 02/10/18

1. Objectives & Contents

1.1 How well did the programme meet your expectations?

1.2 How well were the stated objectives of the course achieved?

1.3 Depth of coverage

1.4 Pace of the programme

1.5 Overall usefulness of the course

	Excellent	Very Good	Good	Fair	Unsatisfactory
1.1 How well did the programme meet your expectations?			Good		
1.2 How well were the stated objectives of the course achieved?				Fair	
1.3 Depth of coverage			Good		
1.4 Pace of the programme		V-Good			
1.5 Overall usefulness of the course	Yes, No doubt about this.				
2. Coordination/Faculty					
2.1 Presentation skills	✓				
2.2 Response to participants	✓				
2.3 Management of the course	✓				
2.4 Audio Visual Resources used (if any)	✓				

3. Suggestions for improving the course:

Call the peoples from industry those who are work on product design.

4. Any other comments:

Add practicals sessions
Call for other tools FDP training like ANSYS.



Dr. Babasaheb Ambedkar Technological University
Faculty Development Program (PMMMNTT & TEQIP – III)

On

“Product Design Engineering”

28th Sept. to 2nd Oct., 2018

FEEDBACK FROM PARTICIPANTS

Date 02-10-2018

1. Objectives & Contents

Excellent	Very Good	Good	Fair	Unsatisfactory
-----------	-----------	------	------	----------------

1.1 How well did the programme meet your expectations?

✓				
---	--	--	--	--

1.2 How well were the stated objectives of the course achieved?

✓				
---	--	--	--	--

1.3 Depth of coverage

✓				
---	--	--	--	--

1.4 Pace of the programme

✓				
---	--	--	--	--

1.5 Overall usefulness of the course

✓				
---	--	--	--	--

2. Coordination/Faculty

2.1 Presentation skills

✓				
---	--	--	--	--

2.2 Response to participants

		✓		
--	--	---	--	--

2.3 Management of the course

✓				
---	--	--	--	--

2.4 Audio Visual Resources used (if any)

.				
---	--	--	--	--

3. Suggestions for improving the course:

1) _____

4. Any other comments:

1) For whom this program is conducted should properly attend and try to learn from this
2) Thought _____



Dr. Babasaheb Ambedkar Technological University
Faculty Development Program (PMMMNTT & TEQIP – III)

On

“Product Design Engineering”

28th Sept. to 2nd Oct., 2018

FEEDBACK FROM PARTICIPANTS

Date 02/10/18

1. Objectives & Contents

	Excellent	Very Good	Good	Fair	Unsatisfactory
1.1 How well did the programme meet your expectations?	✓				
1.2 How well were the stated objectives of the course achieved?	✓				
1.3 Depth of coverage	✓				
1.4 Pace of the programme	✓				
1.5 Overall usefulness of the course	✓				

2. Coordination/Faculty

2.1 Presentation skills	✓				
2.2 Response to participants	✓				
2.3 Management of the course	✓				
2.4 Audio Visual Resources used (if any)	✓				

3. Suggestions for improving the course:

- modelling / Designing part covered from start to end. i.e. product life cycle aspect should be covered in the one week course itself

4. Any other comments:



Dr. Babasaheb Ambedkar Technological University
Faculty Development Program (PMMMNTT & TEQIP - III)

On
“Product Design Engineering”
28th Sept. to 2nd Oct., 2018

FEEDBACK FROM PARTICIPANTS

Date 02/10/18

	Excellent	Very Good	Good	Fair	Unsatisfactory
1. Objectives & Contents					
1.1 How well did the programme meet your expectations?		✓			
1.2 How well were the stated objectives of the course achieved?			✓		
1.3 Depth of coverage			✓		
1.4 Pace of the programme			✓		
1.5 Overall usefulness of the course			✓		
2. Coordination/Faculty					
2.1 Presentation skills		✓			
2.2 Response to participants		✓			
2.3 Management of the course		✓			
2.4 Audio Visual Resources used (if any)		✓			

3. Suggestions for improving the course:

Please specify the content in detail for all the units. So that the same syllabus can be conducted at all institute under Dr. BATU. if possible add practicals for the subject.

4. Any other comments:

Great tools introduced like Inventor & Fusion 360 if possible keep at least 15 days training for faculties so that it will be much easier for rolling out @ Institute. Special thanks to Dr. BATU Team



Dr. Babasaheb Ambedkar Technological University
Faculty Development Program (PMMMNTT & TEQIP – III)

On

“Product Design Engineering”

28th Sept. to 2nd Oct., 2018

FEEDBACK FROM PARTICIPANTS

Date 2/10/18

1. Objectives & Contents

Excellent	Very Good	Good	Fair	Unsatisfactory
-----------	-----------	------	------	----------------

1.1 How well did the programme meet your expectations?

			✓	
--	--	--	---	--

1.2 How well were the stated objectives of the course achieved?

			✓	
--	--	--	---	--

1.3 Depth of coverage

		✓		
--	--	---	--	--

1.4 Pace of the programme

	✓			
--	---	--	--	--

1.5 Overall usefulness of the course

		✓		
--	--	---	--	--

2. Coordination/Faculty

2.1 Presentation skills

		✓		
--	--	---	--	--

2.2 Response to participants

		✓		
--	--	---	--	--

2.3 Management of the course

		✓		
--	--	---	--	--

2.4 Audio Visual Resources used (if any)

		✓		
--	--	---	--	--

3. Suggestions for improving the course:

Add all other units in F.D.P.

4. Any other comments:

All facilities are excellent



Dr. Babasaheb Ambedkar Technological University
Faculty Development Program (PMMMNTT & TEQIP – III)

On
“Product Design Engineering”
 28th Sept. to 2nd Oct., 2018

FEEDBACK FROM PARTICIPANTS

Date 02-10-2018

1. Objectives & Contents	Excellent	Very Good	Good	Fair	Unsatisfactory
1.1 How well did the programme meet your expectations?		✓			
1.2 How well were the stated objectives of the course achieved?		✓			
1.3 Depth of coverage	✓				
1.4 Pace of the programme		✓			
1.5 Overall usefulness of the course	✓				
2. Coordination/Faculty					
2.1 Presentation skills	✓				
2.2 Response to participants	✓				
2.3 Management of the course	✓				
2.4 Audio Visual Resources used (if any)			✓		

FOR CAD TOOLS

3. Suggestions for improving the course:

- Internet connectivity needs to improve.
- Needs to improve the course structure for further FDPs.
- There is frequent power interruptions.

4. Any other comments:

Overall Excellent coordination. The V.C.'s mission is excellent to achieve new product designer.



Dr. Babasaheb Ambedkar Technological University
Faculty Development Program (PMMMNTT & TEQIP – III)

On

“Product Design Engineering”

28th Sept. to 2nd Oct., 2018

FEEDBACK FROM PARTICIPANTS

Date 02/10/2018

1. Objectives & Contents

	Excellent	Very Good	Good	Fair	Unsatisfactory
1.1 How well did the programme meet your expectations?				✓	
1.2 How well were the stated objectives of the course achieved?				✓	
1.3 Depth of coverage				✓	
1.4 Pace of the programme			✓		
1.5 Overall usefulness of the course					✓

2. Coordination/Faculty

2.1 Presentation skills		✓			
2.2 Response to participants		✓			
2.3 Management of the course		✓			
2.4 Audio Visual Resources used (if any)		✓			

3. Suggestions for improving the course:

Only software learning part was covered. The directions about teaching it to students, are not clear yet. How the exams will be carried out & what about remaining 5 units in the syllabus which are completely theoretical?

4. Any other comments:

- If this FDP is going to be conducted in Aurangabad, I was not being communicated it earlier; I would have attended it there only.
- The faculties & facilities over here very co-operative from giving lift to guest house & asking us for trip to nearby places.



Dr. Babasaheb Ambedkar Technological University
Faculty Development Program (PMMMNTT & TEQIP – III)

On

“Product Design Engineering”

28th Sept. to 2nd Oct., 2018

FEEDBACK FROM PARTICIPANTS

Date 2-10-2018

1. Objectives & Contents

Excellent	Very Good	Good	Fair	Unsatisfactory
-----------	-----------	------	------	----------------

1.1 How well did the programme meet your expectations?

	✓			
--	---	--	--	--

1.2 How well were the stated objectives of the course achieved?

		✓		
--	--	---	--	--

1.3 Depth of coverage

	✓			
--	---	--	--	--

1.4 Pace of the programme

	✓			
--	---	--	--	--

1.5 Overall usefulness of the course

	✓			
--	---	--	--	--

2. Coordination/Faculty

2.1 Presentation skills

✓				
---	--	--	--	--

2.2 Response to participants

✓				
---	--	--	--	--

2.3 Management of the course

	✓			
--	---	--	--	--

2.4 Audio Visual Resources used (if any)

		✓		
--	--	---	--	--

3. Suggestions for improving the course:

*Include all the unit in fap.
provide clear way to deliver this knowledge to students.*

4. Any other comments:



Dr. Babasaheb Ambedkar Technological University
Faculty Development Program (PMMMNTT & TEQIP – III)

On

“Product Design Engineering”

28th Sept. to 2nd Oct., 2018

FEEDBACK FROM PARTICIPANTS

Date 02/10/18

1. Objectives & Contents

1.1 How well did the programme meet your expectations?

Excellent	Very Good	Good	Fair	Unsatisfactory
✓				

1.2 How well were the stated objectives of the course achieved?

✓				
---	--	--	--	--

1.3 Depth of coverage

✓				
---	--	--	--	--

1.4 Pace of the programme

✓				
---	--	--	--	--

1.5 Overall usefulness of the course

✓				
---	--	--	--	--

2. Coordination/Faculty

2.1 Presentation skills

✓				
---	--	--	--	--

2.2 Response to participants

✓				
---	--	--	--	--

2.3 Management of the course

✓				
---	--	--	--	--

2.4 Audio Visual Resources used (if any)

✓				
---	--	--	--	--

3. Suggestions for improving the course:

4. Any other comments:

Fusion 360

1. What is extension for inventor project file.
 - a) .prt
 - b) .stp
 - c) .ipj
 - d) .iges
2. What is extension for inventor assembly file.
 - e) .prt
 - f) .asm
 - g) .ipj
 - h) .iges
3. Fusion 360 works on
 - a) Design
 - b) Validate
 - c) Fabricate
 - d) All the above
4. Fusion 360 is a 100% cloud based Software.
 - a) True
 - b) False
5. Shortcut to give dimension to any sketch is
 - a) S
 - b) L
 - c) D
 - d) O
6. Shortcuts are available for all the sketching commands in fusion
 - a) True
 - b) False
7. What is extension for Fusion 360 file
 - i) .prt
 - j) .stp
 - k) .f3d
 - l) .iges
8. Selection of more than one profile to create 3D can be done
 - a) By pressing Shift
 - b) By pressing Ctrl
 - c) By pressing Tab
 - d) None
9. The units accepted in fusion 360 are
 - a) Millimeter
 - b) Centimeter
 - c) Meter
 - d) All the above
10. In sculpt environment you can revolve an open profile
 - a) True
 - b) False

11. Loft operation can we performed with two profiles
 - a) Profile should be in deferent different planes.
 - b) Profiles should be in perpendicular planes.
 - c) Profiles should be in parallel Planes
 - d) Profiles can be in one plane
12. We can create more than one open profiles in web Feature
 - a) True
 - b) False
13. How many types of holes available
 - a) 1
 - b) 2
 - c) 3
 - d) 4
14. In which command we can use open profile to add the material.
 - a) Extrude
 - b) Revolve
 - c) Loft
 - d) Rib
15. Material can be removed with
 - a) Extrude
 - b) Revolve
 - c) Sweep
 - d) All the above
16. We can use the single sketch profile for more than one command in fusion.
 - a) True
 - b) False
17. With press pull if we select an edge, which command will be highlighted
 - a) Fillet
 - b) Chamfer
 - c) Offset
 - d) None
18. How many virtual planes we can create in inventor & fusion 360.
 - a) 10
 - b) 15
 - c) 50
 - d) As much as required.
19. Different bodies can be assemble in Fusion 360
 - a) True
 - b) False
20. Types of fillet available in inventor & fusion
 - a) Constant Radius
 - b) Variable radius
 - c) Chord length
 - d) All the above
21. How many types of chamfer we can perform in inventor.
 - a) 1

- b) 2
 - c) 3
 - d) 4
22. By which method we can save our fusion file in our computer
- a) Save
 - b) Save as
 - c) Export
 - d) Share
23. We can take output of drawing sheet in following
- a) .pdf
 - b) .dwg
 - c) Drawing template
 - d) All the above
24. We can export fusion file in to following format
- a) .iges
 - b) .stp
 - c) .smt
 - d) All the above
25. By which method we can insert an image to any planar surface.
- a) Attached canvas
 - b) Decal
 - c) Insert image
 - d) None

**Pandit Madan Mohan Malaviya National Mission on Teachers Training
(PMMMNTT)**



Faculty Development Program on
Product Design Engineering – Mechanical
September 28 – October 2, 2018

Certificate of Participation

This is to certify that Mr/Ms/Mrs/Drof
..... has attended the Faculty
Development Program on **Product Design Engineering – Mechanical** held
at Dr. Babasaheb Ambedkar Technological University, Lonere,
Maharashtra, India during September 28 – October 2, 2018.

Dr. Sadaiah Mudigonda
Coordinator

Dr. A. W. Kiwelekar
FDC Coordinator, DBATU

Dr. V. B. Nikam
FDC Coordinator, VJTI

Dr. S. B. Deosarkar
IPD, TEQIP III

Department of Mechanical Engineering
Dr. Babasaheb Ambedkar Technological University
'Vidyavihar', Lonere, M.S. India. 402103