



**DHARMSINH DESAI UNIVERSITY, NADIAD**  
**FACULTY OF TECHNOLOGY**  
**MECHANICAL ENGINEERING DEPARTMENT**

The DDU mechanical engineering department always strives to make their students industry ready by organizing training and expert lectures on latest technology and business practices. For the last many years, we organized many useful trainings and expert lectures for excellence in students' professional knowledge. The brief description of organized events is given below.

**Details of Training Organized**

No	Year	Date	Duration	No of Participant s	Name of Expert/s	Designation Firm	Topic
1	2022	30/06/22	3 days	11	Prof. Smith S. Thavallapill	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basic Sensorics
2	2022	13/06/22	3 days	08	Prof. Smith S. Thavallapill	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basic Sensorics
3	2022	06/06/22	5 days	12	Prof. Mahavirsinh M. Chavda	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basics of PLC & its applications in Mechatronics & Robotics
4	2022	30/5/22	5 days	18	Dr. N. S. Patel	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basic & Electro Pneumatics
5	2022	26/05/22	3 Days	09	Prof. Smith S. Thavallapill	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basic Sensorics

No	Year	Date	Duration	No of Participants	Name of Expert/s	Designation Firm	Topic
6	2022	23/05/22	3 Days	09	Prof. Smith S. Thavallapill	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basic Sensorics
7	2022	23/05/22	5 Days	18	Prof. A. R. Mengar	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basic Hydraulics
8	2022	23/05/22	5 days	18	Dr. N. S. Patel	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basic & Electro Pneumatics
9	2022	19/05/22	3 Days	09	Prof. Vinay Thummar	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basic Sensorics
10	2022	16/05/22	3 Days	09	Prof. Smith S. Thavallapill	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basic Sensorics
11	2022	16/05/22	5 Days	18	Prof. A. R. Mengar	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basic Hydraulics
12	2022	16/05/22	5 days	18	Dr. N. S. Patel	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basic & Electro Pneumatics

No	Year	Date	Duration	No of Participants	Name of Expert/s	Designation Firm	Topic
13	2022	12/05/22	3 Days	09	Prof. Vinay Thummar	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basic Sensorics
14	2022	09/05/22	3 Days	09	Prof. Smith S. Thavallapill	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basic Sensorics
15	2022	07/05/22	3 Days	10	Prof. R. M. Joshi	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basic Hydraulics
16	2022	07/05/22	5 days	11	Dr. N. S. Patel	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basic & Electro Pneumatics
17	2022	09/05/22	5 days	36	Prof. Mahavirsinh M. Chavda	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basics of PLC & its applications in Mechatronics & Robotics
18	2022	02/05/22	5 days	18	Prof. Mahavirsinh M. Chavda	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basics of PLC & its applications in Mechatronics & Robotics
19	2022	30/3/22	4 days	31	Mr. Ritesh Bhatt	Concept Business Excellence Pvt. Ltd.	Lean Six Sigma Green Belt Training

No	Year	Date	Duration	No of Participant s	Name of Expert/s	Designation Firm	Topic
20	2022	03/03/22	18 hours	10	Prof. Smith S. Thavallapill	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basic Sensorics
21	2022	03/03/22	30 hours	11	Prof. R. M. Joshi	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basic Hydraulics
22	2022	18/02/22	30 hours	11	Prof. Mahavirsinh M. Chavda	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basics of PLC & its applications in Mechatronics & Robotics
23	2022	16/02/22	30 hours	10	Dr. N. S. Patel	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basic & Electro Pneumatics
24	2022	17/01/22	30 hours	10	Prof. Mahavirsinh M. Chavda	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basics of PLC & its applications in Mechatronics & Robotics
25	2022	03/01/22	3 Days	07	Prof. Smith S. Thavallapill	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basic Sensorics
26	2021	27/12/21	5 Days	07	Prof. R. M. Joshi	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basic Hydraulics

No	Year	Date	Duration	No of Participants	Name of Expert/s	Designation Firm	Topic
27	2021	20/12/21	5 Days	07	Dr. N. S. Patel	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basic & Electro Pneumatics
28	2021	13/12/21	5 Days	07	Prof. Mahavirsinh M. Chavda	Bosch-Rexroth Centre of Excellence for Research in Automation & Robotics	Basics of PLC & its applications in Mechatronics & Robotics
29	2021	17/5/21	5 days	14	Mr. Nital Zaveri	Concept Business Excellence Pvt. Ltd.	Six Sigma Black Belt Training (Online Mode)
30	2021	30/3/21	4 days	26	Mr. Ritesh Bhatt	Concept Business Excellence Pvt. Ltd.	Lean Six Sigma Green Belt Training (Online Mode)
31	2020	9/11/20	4 days	42	Mr. Sushil Macwan	Concept Business Excellence Pvt. Ltd.	Lean Six Sigma Green Belt Training (Online Mode)
32	2019	1/04/19	4 days	54	Mr. Hiren Kakkad and Mr. Kapil Valand	Concept Business Excellence Pvt. Ltd.	Lean Six Sigma Green Belt Training (Offline Mode)

### Details of Expert Lectures Organized

No	Year	Date	Duration	No of Participants	Name of Expert/s	Designation Firm	Topic
1	2022	29/01/22	2 hours	45	Ms. Jalpa Pandya	YokeMate Education - Vadodara	Study in Europe
2	2021	17/12/21	2 hours	72	Mr. Suhag Barot	Aussie Education	Higher education in Canada - "STUDY ABROAD"
3	2021	22/02/21	1 hour	34	Mr. Pankaj Vidhani	Khodiyar CAD Center	Webinar on Application of Ansys in Mechanical Engineering
4	2020	25/07/20	1 hour	67	Mr. Vipul Hingu	Khodiyar CAD Center	Webinar on Industrial Design with Creo Parametric
5	2020	12/06/20	1 hour	128	Mr. Sunder Iyer	Elite Techno Group	Webinar on Scope in Automotive Industry
6	2020	17/02/20	3 hours	104	Mr. Mayank Arora	Elite Techno Group	Electric Formula Race Car

### Glimpse of Events



**Basics of Hydraulics Training Program**





**Basic and Electro Pneumatics Training Program**



**Basic Sensorics Training Program**



**Basics of PLC & its applications in Mechatronics & Robotics Training Program**



**LEAN SIX SIGMA GREEN BELT PROGRAM**





**EXPERT LECTURE ON ELECTRIC FORMULA RACE CAR**

REC Nital Zaveri is presenting 5:13 PM You

### Decision making chart for Hypothesis testing

What is your objective?

- Compare one sample with a target**
  - 1 sample t-test
  - 1 sample Standard Deviation
  - 1 sample % defective
  - Chi-square Goodness-of-fit
- Compare two sample with each other**
  - 2 sample t-test
  - F-test
  - 2 sample Standard Deviation
  - 2 sample % defective
  - Chi Square test for Association
- Compare more than two sample**
  - One way ANOVA
  - Standard Deviation Test
  - Chi-Square % defective
  - Chi Square test for Association

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Six Sigma Black Belt Training

Meet Mehta, Jitendra S., Vedang Triv..., Aishwarya C..., Harshit Patel, SWARA DIXIT, HARSH SONI, Madhukar Y..., Dhruvil Modi, Nital Zaveri, Bhargav Pa..., Darshit Patel, Maharshi pandya

Raise hand Turn on captions Nital Zaveri is presenting

**SIX SIGMA BLACK BELT CERTIFICATION WEBINAR**