

# Faculty CV



1. Name of Faculty: Dr. Dilip Devidas Lulekar
2. Present Position: Head of Department, Electrical Engineering
3. Address : Government Polytechnic, Nashik
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5. E-Mail Id : hodeegpnsk@gmail.com
6. Date of Birth : 11<sup>th</sup> July

5. Memberships of professional organizations/Bodies:

1. Fellow of Institution of Engineers (India), F120583-4
2. Life Member of Indian Society of Technical Education, LM19315

## QUALIFICATIONS:

Sr. No.	Examination	Institute	Board/ University	% of Marks	Class Award	Remarks
1	Diploma in Electrical Engineering	Government Polytechnic, Khamgaon, M.S.	Maharashtra State Board of Technical Education, Mumbai, M.S.	80	I class with distinction	1983
2	Bachelor in Electrical Engineering	Govt. Collage of Engineering, Pune-05	Pune University	61.6	I	1986
3	Masters in Electrical Power Systems	Government Collage of Engineering, Aurangabad, M.S.	Dr.Babasaheb Ambedkar Marathwada University, Aurangabad, M.S.	69.3	I	2001

4	Doctorate in Electrical Engineering	Government Collage of Engineering, Aurangabad, M.S.	Dr.Babasaheb Ambedkar Marathwada University, Aurangabad, M.S.	NA	NA	Electric Power Quality in Arc Plants, 2013
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### ADDITIONAL SKILLS

1. Carried out Energy Saving project at Vardhan Syntax limited, Khmagaon MIDC. Energy saving & Conservation Project was appreciated at Narsee Monjee Institute of Management, Mumbai
2. Published technical papers on energy saving opportunities in industries & Institute
3. Implemented Energy Saving Project sanctioned by MEDA at Govt. Polytechnic, Nagpur
4. Worked as Organizing Secretary for International Conference on Green Energy & Sustainable Development ICGSED 2019 at Govt. Polytechnic, Nagpur
5. Worked as Member of Committee for AICTE Model Curriculum for Diploma in Engineering at New Delhi
6. Worked as Session Chair at International Conferences at Govt. Polytechnic, Nagpur, J.D. Engineering Collage, Nagpur & Guru Gobind Singh Polytechnic, Nashik
7. Key note speaker at Conferences & Resource Person at Engineering Collages & Polytechnics

### CAREER DETAILS:

Sr. No.	Organization	Designation	Duration	Period	Work Done in Brief
1	Govt. Polytechnic, Khamgaon, Dist-Buldana (DTE, MS)	Lecturer in Electrical Engg	1986 to 1993 & 1998 to 2008	7 years; 10 years	Along with teaching electrical subjects, laboratory development, Worked as TPO additional charge for 3 years
2	Govt. Polytechnic, Aurangabad	Senior Lecturer in Electrical Engg	1993 to 1998	5 years	Publication In charge of Autonomy documents, Portfolios

					assigned by Head of the institute from time to time
3	Govt. Polytechnic, Brahmपुरi, Dist- Chandrapur	Selection Grade Lecturer in Electrical Engineering	2013 to 2015	2 years	As Additional Charge of HOD, EE; Also additional charge of Principal & DDO
4	Govt. Polytechnic, Nagpur	HOD, Electrical Engineering	2017 to 2021	4.7 years	Administration as Head of Electrical Dept, Teaching & Works assigned by Principal
5	Govt. Polytechnic, Nashik	HOD, Electrical Engineering	August 2021 to till today , 2008 to 2013; 2015 to 4 <sup>th</sup> Jan 2017	8 months 5 years 1.4 year	Administration as Head of Electrical Dept, Teaching & Works assigned by Principal

#### **SPECIALIZED TRAINING COURSES ATTENDED:**

<b>Sr. No.</b>	<b>Course Name</b>	<b>Duration</b>	<b>Place</b>	<b>Training Agency</b>	<b>Remarks</b>
1	Orientation Programme for Curriculum	10/08/1987 to 12/08/1987	Pune	TTTI , Extension centre, Pune	Three days
2	Induction course(Technical Teacher Training)-phase I	1/05/ 1989 to 26/05/1989	Bhopal	Technical Teachers Training Institute, Bhopal	Four weeks
3	Induction course (Technical Teacher Training)-Phase II	4/06/1990 to 29/06/1990	Bhopal	Technical Teachers Training Institute, Bhopal	Four weeks
4	Orientation Workshop on Curriculum Development	17/03/1994 to 19/03/1994	Bombay	Board of Technical Examinations, Bombay	Three days
5	Planning and Management of Staff development activities & academic	4/07/1994 to	Pune	TTTI Extension centre, Pune	One week

	calendar	8/07/ 1994			
6	Management of Change	12/01/1995 to 14/06/1995	Pune	TTTI Extension centre, Pune	Three days
7	Resource Person Workshop on development of OHP transparencies( Electrical Engg)	29/01/1996 to 31/01/1996	Nagpur	Govt. Polytechnic Nagpur, LRDC Cell	Three days
8	Refresher course Module1- Basics of Computer Science & DOS	26/02/ 1996 to 12/03/1996	Aurangabad	Govt. Polytechnic Aurangabad, SDC Cell	Two week
9	Refresher course – Module2- Word star	25/03/1996 to 6/04/1996	Aurangabad	Govt. Polytechnic Aurangabad, SDC Cell	Two Week
10	Rrefresher course – Module3- D base III Plus	15/04/1996 to 27/04/1996	Aurangabad	Govt. Polytechnic Aurangabad, SDC Cell	Two Week
11	Refresher course – Module4- Lotus 1-2-3	13/05/1996 to 25/05/1996	Aurangabad	Govt. Polytechnic Aurangabad, SDC Cell	Two Week
12	Master Trainers for Village Water Persons	23/08/1996 to 24/08/1996	Pune	MIT, Pune	Three days
13	Workshop on Curriculum Implementation for Auto Polys	28/07/1997 to 30/07/1997	Pune	TTTI Extension centre, Pune	Three days
14	Modern Trends In Power System	23/03/1998 to 27/03/1998	Aurangabad	Govt. Polytechnic Aurangabad, SDC Cell	One week
15	Electrical Safety and Energy Conservation	8/06/1998 to 12/061998	Nagpur	Govt. Polytechnic Nagpur, SDC Cell	One week
16	Industrial Training –batch XIX	5/04/1999 to 26/06/1999	Aurangabad	Govt. Polytechnic Aurangabad, SDC Cell	Three month

17	Analysis & Synthesis Approach for Electrical Machine Design	5/07/1999 to 9/07/1999	Amravati	Govt. Polytechnic Amravati, SDC Cell	One week
18	Teacher Evaluation	15/11/1999 to 17/11/1999	Bhopal	Technical Teachers Training Institute, Bhopal	Three days
19	Workshop on Power Quality	30/04/2004 to 1/05/2004	Nasik	K.K.Wagh College of Engg, Nasik	One day
20	Recent Trends in Electricity Pricing	30/01/2004 to 1/02/2004	Pune	Pune Institute of Engg & Technology	Three Days
21	Workshop on Switch Gear & Automation	28/02/2004 to 29/02/2004	Nasik	K.K.Wagh College of Engg, Nasik	Two Days
21	Industrial Training	7/09/2006 to 9/09/2006	Aurangabad	Sterlite Optical Technologies Ltd & MSBTE Mumbai	Three days
23	Leadership Skills Development (Advanced)	13/11/2006 to 15/11/2006	Pune	National Institute of Technical Teachers Training & Research, Bhopal	Three days
24	MATLAB and its Applications	28/11/2011 to 9/12/2011	Mumbai	KJ Somaiya Polytechnic, Mumbai	Two Week
25	Workshop on Orientation for Revision of Curriculum	30/09/2015 to 1/10/2015	Nasik	NITTTR, Bhopal	Three days
26	Refresher Course for Class I Officers of Higher & Technical Education Dept	19/12/2016 to 23/12/2016	Pune	YASHADA, Pune	One week

### RESEARCH ACTIVITIES:

Presentations and Publications in Refereed International Conference Proceedings (Total -10)

Presentations and Publications in Refereed National Conference Proceedings (Total -07)

Presentations and Publications in Refereed State Conference Proceedings (Total --04)

• **Publications/Presentation in International Conferences**

Sr No	Author	Venue	Year of Publication	State/national/ International	Title of paper
01	Dr. W.Z.Gandhare, D.D.Lulekar	Taipei, Taiwan	2007	International  IEEE Industrial Electronics society	Effect of Electrode Regulation System on Arc Parameters in Furnace Operation
02	Dr. W.Z.Gandhare, D.D.Lulekar	Seville, Spain	2007	International	Analyzing Electric Power Quality in Arc Furnace
03	D.D. Lulekar, Dr.W.Z. Gandhare	Lucknow	2007	International	Quality of power in cold rolling mill of arc plant
04	D.D. Lulekar, Dr.W.Z. Gandhare	Bhopal	2006	International	HVDC Light- Sustainable Energy Solution in Wind power
05	Dr.D.D.Lulekar, M.N.Gawande, MRs.S.P.Thote	Nagpur	2019	International	Energy Saving Opportunities at Govt. Polytechnic Campus, Nagpur
06	Dr.D.D.Lulekar, M.N.Gawande, Mustafa Shaikh	Nagpur	2019	International	Overview of Molten Salts concentrated Solar Power Plants
07	D.D. Lulekar, Dr.W.Z. Gandhare	Aurangabad	2010	International	Optimizing energy conservation and improving power quality in electric utilities
08	Dr.D.D.Lulekar	Aurangabad	1999	International	Quality in distance

					education for Polytechnic teacher education
09	Dr.D.D.Lulekar	Nagpur	2019	International	Hyperloop: The future transportation Technology
10	Dr.D.D.Lulekar, S.M.Shinde	Nagpur	2008	International	Energy Conservation in small scale industries-Case Study

• **Presentations and Publications in Refereed National Conference Proceedings**

Sr. no	Name of Seminar/Convention & Title pf Paper	Venue	Duration		Organizing Agency
			From	To	
1	National level Conference on Green Energy  Green Energy and Power quality through grid perspectives	Nashik	10/11/2008	12/11/2008	Govt. Polytechnic, Nashik
2	XXXI ISTE National Convention  Value education=Need of hour	Bhubaneswar	27/12/2001	31/12/2001	Kalinga Institute of Industrial Technology, Bhubaneswar
3	COGEN, IEI, Nagpur  Power Quality in Arc Plants	Nagpur	9/10/2008	10/10/2008	Institution of Engineers (India), COGEN 2008
4	National level Seminar on technical education  Hands on Experience & Practical Exposure to Teachers	Coimbatore	15/07/1999	16/07/1999	PSG Polytechnic Coimbatore

## Presentations and Publications in Refereed State Conference / Participated Conferences

Sr. no	Title of Paper	Venue	Duration		Organizing agency
			From	To	
1	Reengineering of Technical Education	Aurangabad	16/01/1998	17/01/1998	Jawaharlal Nehru Engineering College Aurangabad
2	Idea of Education by Swami Vivekananda	Shegaon	21/12/2002	22/12/2002	Shree Sant Gajanan Maharaj College of Engineering Shegaon
3	State Level Seminar on Electrical Power Systems	Amaravati	18/11/1994	19/11/1994	MSEB Engrs Coop Society, Amaravati & Govt . College of Engg, Amaravati
4	II ISTE State Level Convention Aurangabad	Aurangabad	16/01/1998	17/01/1998	Jawaharlal Nehru Engineering College Aurangabad
5	IV Maharashtra Goa State ISTE Convention & National Conference	Pusad	23/11/1999	24/11/1999	B.N.College of Engg Pusad
6	XXX ISTE National Convention	Ahmadabad	14/12/2000	16/12/2000	Nirma Institute of Technology, Ahemadabad
7	Role of Internet at Placement Activity	Pune	9/07/2001	9/07/2001	Govt. College of Engg , Pune

### ➤ WORK DONE IN THE AREA OF TECHNICAL EDUCATION

- Teaching in technical education at Diploma in Electrical Engineering courses
- Skilled in Curriculum development at Autonomous Polytechnics & Maharashtra State Board of Technical education
- Contributed for Curriculum development at AICTE, New Delhi for Model Curriculum for Engineering Diploma institutions & Autonomous Polytechnics Aurangabad, Nashik & Nagpur
- Developed Laboratory Manuals for taught courses at Autonomous Polytechnics
- Worked for development of Electrical Machines lab, Power System lab, Electrical Workshop, Project lab, Measurement & Instrumentation lab, Industrial Automation lab etc



- Organized Faculty development training programs ie. Modern trends in Power System & ISTE sponsored training programme for laboratory Assistants in Repair & Maintenance of Electrical Equipment & Electrical Safety Workshop at Government Polytechnic, Aurangabad
- Worked as Publication In charge of Autonomous Polytechnic documents, Vice President, Gymkhana etc at Govt. Polytechnic, Aurangabad
- Worked as Training & Placement Officer at Govt. Polytechnic, Khamgaon & drafted & presented proposal for Best Polytechnic in Maharashtra State & was awarded as Overall Best Polytechnic in State for year 2000.
- Worked as Additional Charge of Head of Department, Electrical Engineering, Computer Technology & Information Technology at Government Polytechnic, Nashik
- Overall Supervision & Repair of electrical gadgets, equipment & Maintenance of buildings & Campus at Government Polytechnic, Nashik & Nagpur
- Implemented MEDA project for energy saving at Govt. Polytechnic, Nagpur
- Worked as Project Coordinator, MODROBs for Modernization of Switchgear Laboratory sanction of Rs 20 lakhs
- Drafted & submitted proposal for Solar Roof Top at Govt. Polytechnic, Nagpur for Rs 55 lakhs & sanctioned and under the implementation stage
- Worked as Coordinator & Presentation team for Best Polytechnic in State Proposals for ISTE and Best Student Chapter, Institution of Engineers, India and received First Prizes in them.
- Worked as additional charge of Principal at Govt. Polytechnic, Bramhapuri, District- Chandrapur, M.S.
- Regional level inspections and administrative works assigned by Directorate of Technical education
- State level Committee Coordinator for finalization of technical specification of electrical equipment and Machinery at Government Polytechnics, Nagpur
- Coordinator to visits to industries, substations, power stations, load dispatch center, airport, workshops for diploma students
- Participated in workshops and training programmes for students as trainer
- Worked as Resource Person for faculty training programmes sponsored by ISTE, DTE, MSBTE and AICTE
- Worked at State level Committees for scrutiny of Equipment, Machinery, Solar Roof top etc

- Worked as Jury at MSBTE State Level Paper Presentation Competition at Govt. Polytechnic, Murtizapur, District- Yeotmal
- Worked as Session Chair at Govt. Polytechnic, Nagpur at International Conference ICGESD in year 2019-20 & 2020-21
- Worked as Session Chair at J.D. Collage of Engineering, Nagpur for International Conference ICATSD on Appropriate Technologies & Sustainable Development 27-28<sup>th</sup> March 2018
- Worked as Session Chair/Key Note Speaker at Guru Gobind Singh Polytechnic at International Conference on ‘Recent Trends on Engineering, Technology & Management on 25<sup>th</sup> February 2022

### **WORKSHOP/ COMPETITION ARRANGED**

1. Pranayama camp was organized for Staff and Students of Govt. Polytechnic, Khamgaon and framed curriculum ‘Yoga bindu’ for students
2. One-day Seminar on Electrical Safety was organized for faculties at Govt. Polytechnic, Aurangabad
3. Expert Lectures & Workshops organized for students of Polytechnics at Khamgaon, Bramhapuri, Aurangabad, Nashik, Nagpur
4. Technical competitions viz. Paper Presentation, Poster Competition, Elocution competition, Quiz competition, Logo competition, Technical demonstration, Model competition, were organized under the aegis -Institution of Engineers (India) as Faculty Adviser at Government Polytechnic, Nashik
5. Student Event comprising of personality development programmes was organized for students of Government Polytechnic, Nagpur
6. Marathi day (State Govt), Voters day (Election Commission) and Reading day (APJ) were organized for students and faculty of department
7. Workshops organized for ‘Industrial Automation’ at Govt. Polytechnics Nashik in year 2015 & 2022 and at Govt. Polytechnic, Nagpur in year 2017.

### **PROJECT GUIDANCE**

- ✚ Guided diploma in Electrical students to participate at State level DIPEX Project Competition
- ✚ Winner at DIPEX level for Electrical Project titled Step Harvesting of Electrical Energy at Govt. Polytechnic, Nashik
- ✚ Guided Matoshri Polytechnic students for the project Titled-Mirror based Power Generation. This project was funded by State Innovative Cell and approved by District Collector, Nashik in year 2016-17.

## EXPERT TALKS/LECTURES

Sr. No	Topic	Venue	Date/Duration	Remarks
1	Industry 4.0 –Future Status	Govt. Polytechnic, Mumbai	1 <sup>st</sup> March 2022	One week online FDP
2	Smart Grid	Matoshri Institute of Technology, Dhanore, Ta-Yeola, Dist-Nashik	26 <sup>th</sup> February 2022	Three day Online FDP- Emerging trends in Electrical Engineering
3	Introduction to Electric Mobility	Govt. Polytechnic, Gadchiroli	22th November 2021	Two day Workshop – Introduction to Electric Vehicle
4	Components and Sensors in Electric Vehicles	Govt. Polytechnic, Gadchiroli	7 <sup>th</sup> April 2021	Online FDP –Electric Vehicles
5	Design of Electric Drive	Govt. Polytechnic, Gadchiroli	8 <sup>th</sup> April 2022	Online FDP –Electric Vehicles
6	Electric Vehicles- Improving Energy Efficiency	Vishwakarma Institute of Technology, Pune	7 <sup>th</sup> October 2020	Online one week ATAL AICTE FDP- Energy Audit & Sustainability
7	Energy Vehicles- Future	Anjuman Collage & Engineering &	25 <sup>th</sup> June, 2020	One Week Online FDP-

	Prospects	Technology, Nagpur		Transformation in Engine Technology (BSIV to BSVI & Electric Vehicle
8	Emerging Trends in Solar Energy	Govt. Polytechnic, Gondia	5 <sup>th</sup> March 2020	DTE approved FDTP – Emerging Trends in Green Energy Technologies
9	Electric Vehicles	Govt. Collage of Engineering, Nagpur	Slot-I 17 <sup>th</sup> December 2020,	Online FDP AICTE – ISTE sponsored One week Advancemen t in Renewable Energy
			Slot II- 18 <sup>th</sup> March 2021,	
			Slot III- 6 <sup>th</sup> May 2021	
10	Appropriate Technologies for Sustainable Development	Govt. Polytechnic, Mumbai	May 2018	One Week STTP on Appropriate Technology & Sustainable Development

## **WORK DONE AT ORGANIZATIONAL LEVEL**

- Organized Vaccination Programme for all institutes in Nashik District
- Organized school connect programmes for guidance and counselling of students and parents for admission to Polytechnics for engineering courses
- Working for minority students for upliftment in technical education through guidance
- Conducted technical audits in COVID Pandemic situation
- Organized annual cultural programme for Government Polytechnics at Khamgaon, Aurangabad, Bramhapuri, Nagpur
- Organized International Conference, National Conference at Government Polytechnic, Nagpur & Nashik respectively
- Organized Convocation programme

## **WORK DONE FOR SOCIETY**

- Worked duties assigned by Election Commission from time to time
- Conducted technical inspection, scrutiny, technical audits & consultancy work for electrical engineering works for society
- For establishment of COVID centers, electrical maintenance & audit technical was done
- Energy conservation week, electrical safety weeks were organized for spreading awareness in society
- School connect, admissions, vaccination programme for district was promoted encouraged and implemented

## **OTHER WORK**

- Administrative work viz Enquiries,
- scrutiny of technical papers to publish in proceedings,
- Setting question papers for organizations, examination work of MSBTE
- External monitoring of private diploma institutes
- supervision of clerical works of regional level assignments regarding scholarships etc

## **FDP/STTP ORGANISED**

1. Organized One week STTP at Govt. Polytechnic, Aurangabad on topic-Modern Trends in Power System in year 1997-98
2. Organized One week ISTE sponsored National level training Programme for lab assistants on 'Repair & Maintenance of Electrical Machines & Equipment' in year 1994-95
3. Organized MSBTE sponsored STTP on Renewable Energy & Green Technologies at Govt. Polytechnic, Nagpur
4. Organized MSBTE sponsored STTP on Industrial Automation at Govt. Polytechnic, Nagpur in year 2019-20

## **HONORS AND AWARDS**

1. Worked as Chairman, Pre Design Review Committee, HAL Ltd
2. Awarded Sarasvati Samman Award at Delhi in year 2014-15 for individual achievements and nation development
3. Worked as Faculty Adviser of awarded Second Best Polytechnic Students Chapter at Bengaluru at the hands of Hon'ble Governor of Karnataka in year 2012
4. Worked as Coordinator of Best Polytechnic from Maharashtra by ISTE at Nirma Institute of Technology, Ahmedabad
5. Guide to Second Best Project from Industry at S.P. Collage of Engineering, Mumbai in year 1998.

## **RESEARCH /OTHER GRANTS**

1. Power Quality in Arc Plants, worked at Lloyd Steel Industries Ltd, Wardha, Maharashtra, Bhilai Steel Plant, Rolling Mills, Jalna, M.S.
2. Maharashtra Energy Development Agency (MEDA) grant 25 lakhs received and utilised at Government Polytechnic, Nagpur for energy saving & Conservation at Government Polytechnic, Nagpur Campus in year 2018-19
3. MODROBs Grant sanctioned Rs 20 Lakhs approx. for Modernization of Switchgear Laboratory at Government Polytechnic, Nagpur, M.S. for year 2020-21 & 2021-2022

## **SIGNATURE**