

# DR JIVRAJ N MEHTA GOVERNMENT POLYTECHNIC AMRELI

## FACULTY PROFILE

|                 |                     |
|-----------------|---------------------|
| Name            | <b>Dhaval Joshi</b> |
| Designation     | <b>Lecturer</b>     |
| Department      | <b>Electrical</b>   |
| Date of Joining | <b>21/11/2016</b>   |



### Qualification

| Qualifying Examination | University       | Institute        | Year of passing |
|------------------------|------------------|------------------|-----------------|
| B.Tech (Electrical)    | CHARUSAT-Changa  | CHARUSAT-Changa  | 2013            |
| M.Tech (Electrical)    | CHARUSAT-Changa  | CHARUSAT-Changa  | 2015            |
| Ph.D                   | IITRAM-Ahmedabad | IITRAM-Ahmedabad | Pursuing        |
|                        |                  |                  |                 |

### Work Experience

| Total experience in Years: | Industry                   | Role                |
|----------------------------|----------------------------|---------------------|
| 1.5 Years                  | Nirma University-Ahmedabad | Assistant professor |
| 8 Years                    | Dr JNMGP-Amreli            | Lecturer (Current)  |
|                            |                            |                     |
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### Skills & Knowledge

Automation  
Embedded System  
Power electronics and drives  
Adaptive non-linear control

### Courses Taught

Power electronics and drives  
Microprocessor and controller applications  
Fundamental of electronics  
Digital electronics and digital instruments  
Transmission and distribution of electric power

## Training & Workshop

| Sr No | Training Name  | Venue               | Period                   |
|-------|--|---------------------|--------------------------|
| 1     | Enhancing performance of technical teachers            | JNMGP               | 01-05-2017 TO 12-05-2017 |
| 2     | Induction Training Programme phase - I                 | NITTTTR             | 15-01-2018 TO 26-01-2018 |
| 3     | Beyond Classroom Towards Excellence                    | IITE<br>Gandhinagar | 14-11-2019 TO 20-11-2019 |
| 4     | Comprehensive Intellectual Property Rights             | KCG                 | 06-07-2020 TO 14-09-2020 |
| 5     | UDAYAM-E content development                           | KCG                 | 28-07-2020 TO 18-08-2020 |
| 6     | mentoring coaching guidance and counseling of students | NITTTTR             | 09-08-2021 TO 13-08-2021 |
| 7     | Induction Training Programme phase - II                | NITTTTR             | 15-11-2021 TO 26-11-2021 |
| 8     | Training for Trainers                                  | NITTTTR             | 24-07-2023 TO 28-07-2023 |
| 9     |  |                     |                          |
| 10    |  |                     |                          |
| 11    |  |                     |                          |
| 12    |  |                     |                          |
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| 18    |  |                     |                          |

## Portfolios

| College Level   | Department Level   |
|---|--|
| ACPDC-Nodal officer<br>Student scholarship-SEBC-supporting staff<br>Mukhyamantri Apprenticeship scheme-supporting staff | Departmental GTU Coordinator<br>Electronics lab In Charge<br>Record keeping in charge<br>Departmental cultural activity-supporting staff<br>Departmental alumni-supporting staff |

**Research Projects**

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**Publications**

| No | Name   | Venue                               |
|----|--|-------------------------------------|
| 1  | Comprehensive review on electric propulsion system of unmanned aerial vehicles                     | Frontier journal in energy research |
| 2  | MRAS disturbance observer-based sensorless field-oriented backstepping control of BLDC motor drive | Springer-Electrical engineering     |

**Academic Projects**

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**Patent Filed**

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**Professional Institute Membership**

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| ISTE life time membership- LM 110988 |
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**Expert Lectures**

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|---|
| Applications of Arduino in robotics- Deepak high school Amreli 18-06-2019 To 19-06-2019 |
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**Awards**

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