

# PROFILE

**Mr. CHAVHAN RAHUL DINKAR**

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## PROFESSIONAL QUALIFICATION

Sr. No.	Degree	Program/Specialisation	University	Year of Passing
1.	B.E./B.Tech.	Electronics and Telecommunication Engineering	University of Pune	2010
2.	M.E./M.Tech.	E &TC - VLSI & Embedded System Design	North Maharashtra University	2013
3.	Ph.D.			

## EXPERIENCE

Sr. No.	Organisation	Duration
1.	Sardar Patel College of Engineering	22nd May 2015 till date

## PROFESSIONAL MEMBERSHIP

Sr. No.	Name of professional society	Membership ID
1 .	Institution of Engineering and Technology	1100422213

## **PAPERS PUBLISHED**

### **International Journal**

<b>Sr. No.</b>	<b>Authors</b>	<b>Title of paper</b>	<b>Publisher</b>	<b>Year</b>
<b>1.</b>	<b>Sachin Chavhan, Rahul Chavhan</b>	<b>Design and Development of High-Performance Intelligent Disaster Management System in IoT Paradigm – A Novel Architecture and Review on Challenges in real time Hazards Monitoring</b>	<b>International Journal of Engineering and Advanced Technology (IJEAT)</b>	<b>2021</b>
<b>2.</b>	<b>Sachin Chavhan, Rahul Chavhan, K. P. Rane</b>	<b>Real Time Industrial Operator Allotment System</b>	<b>International Journal of Application or Innovation in Engineering &amp; Management (IIAIEM) Volume 02, Issue 06</b>	<b>2013</b>
<b>3</b>	<b>Rahul Chavhan, Sachin Chavhan, Ganesh Chavan</b>	<b>Real Time Industrial Monitoring System</b>	<b>International Journal of Computer Trends and Technology (IJCTT) volume 4 Issue 7</b>	<b>2013</b>

### **International Conference**

<b>Sr. No.</b>	<b>Authors</b>	<b>Title of paper</b>	<b>Publisher</b>	<b>Year</b>
<b>1.</b>	<b>Niharika M. Deshpande, R. D. Chavhan, Nalinita Deshpande</b>	<b>Coupled inductor based Single–Input Multiple–Outputs Boost Converter</b>	<b>3rd International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics (AEEICB17)</b>	<b>2017</b>

2.	Niharika M. Deshpande, R. D. Chavhan, Amol M. Nikum	A Single–Input Dual–Output Boost Converter with PI Controller	International Conference on Innovations in Power and Advanced Computing Technologies [i-PACT2017]	2017
3	Kantilal Rane, Rahul D. Chavhan, Sharad Pachpande, Atul Rane	Real Time Industrial Monitoring System	International Journal of Advanced Electronics & Communication Systems, Proceeding of International Conference on Modeling & Simulation in Engineering & Technology (ICMSET-2014)	2014
4	Rahul Chavhan, K. P. Rane	Real Time Industrial Monitoring System	International Conference on Modeling and Simulation in Engineering and Technology (ICMSET-2014)	2014
5	Shivraj Rathod, Rahul Chavhan, Mangesh Dhakane	High Gain Enhanced Bandwidth Microstrip Antenna Design	International Conference on Electrical Engineering and Computer Science (ICEECS-2012)	2012
6	Shivraj Rathod, Rahul Chavhan, Mangesh Dhakane	Design of Compact Rectangular Microstrip Antenna with Partial Grounding for Enhancing Bandwidth	International Conference on Electronics and Communication Engineering (ICECE-2012)	2012

**National Journals**

<b>Sr. No.</b>	<b>Authors</b>	<b>Title of paper</b>	<b>Publisher</b>	<b>Year</b>
<b>1.</b>				

**National Conference**

<b>Sr. No.</b>	<b>Authors</b>	<b>Title of paper</b>	<b>Publisher</b>	<b>Year</b>
<b>1.</b>	<b>Rahul Chavhan, Sachin Chavhan, Vinod Chaudhari</b>	<b>Mobile Web Crawling</b>	<b>National Conference on Emerging Technology in Engineering &amp; Management</b>	<b>2011</b>

**WORKSHOP / COURSES ATTENDED**

<b>Sr. No.</b>	<b>Organizer</b>	<b>Title</b>	<b>Duration</b>	<b>Days</b>
<b>1.</b>	<b>CDEEP in association with Department of Electrical Engineering, IIT Bombay</b>	<b>Electromagnetics: Pedagomy and Research Trends</b>	<b>23 – 24 January, 2015</b>	<b>2</b>
<b>2.</b>	<b>Knowledge Incubation under TEQIP’ Initiative of the MHRD at IIT Bombay</b>	<b>Applications of Wavelets/Time-Frequency Methods/Multirate System</b>	<b>12<sup>th</sup> April 2015</b>	<b>1</b>
<b>3.</b>	<b>IIT Bombay under “Knowledge Incubation under TEQIP” Program of Ministry of Human Resource</b>	<b>Advances in Variable Structure and Sliding Control</b>	<b>28<sup>th</sup> May – 1<sup>st</sup> June, 2015</b>	<b>5</b>

	<b>Development (MHRD)</b>			
<b>4.</b>	<b>Sardar Patel Institute of Technology, Andheri (w), Mumbai</b>	<b>Faculty Development Program on Advanced Technologies in Electronics Engineering Module “MEMS Devices”</b>	<b>16th Nov 2015 to 21st Nov 2015</b>	<b>6</b>
<b>5.</b>	<b>Yashada (Yashwantrao Chavan Academy of Development Administration) Pune</b>	<b>Moodle based e-Learning</b>	<b>14<sup>th</sup> Dec 2015 to 18<sup>th</sup> Dec 2015</b>	<b>5</b>
<b>6.</b>	<b>Sardar Patel College of Engineering, Mumbai</b>	<b>Micro Electromechanical System (MEMS): Design, Fabrication and Characterization”</b>	<b>4th to 8th Jan 2016</b>	<b>5</b>
<b>7.</b>	<b>Sardar Patel College of Engineering, Mumbai</b>	<b>Internet of Things</b>	<b>6<sup>th</sup> May 2016</b>	<b>1</b>
<b>8.</b>	<b>IIT Gandhinagar, Gujrat</b>	<b>Short Course on Geometry of Robotics and Control</b>	<b>12<sup>th</sup> to 15<sup>th</sup> Dec, 2016</b>	<b>4</b>
<b>9.</b>	<b>Sardar Patel College of Engineering, Mumbai</b>	<b>Short Term Training Program (STTP), on Nanoscience and Nanotechnology: Fundamentals, Synthesis and Applications</b>	<b>2<sup>nd</sup> to 7<sup>th</sup> Jan 2017</b>	<b>6</b>
<b>10.</b>	<b>Sardar Patel College of Engineering, Mumbai, organized by AICTE Training and Learning (ATAL) Academy</b>	<b>Micro-electromechanical System</b>	<b>23rd Nov 2020 to 27th Nov 2020</b>	<b>5</b>
<b>11.</b>	<b>Sardar Patel College of Engineering, Mumbai</b>	<b>Faculty Development Program</b>	<b>29<sup>th</sup> Oct to 2<sup>nd</sup> Nov 2018</b>	<b>5</b>

### **WORKSHOP / COURSES CONDUCTED**

<b>Sr. No.</b>	<b>Organizer</b>	<b>Title</b>	<b>Year</b>
<b>1.</b>			

### **ONLINE COURSES**

<b>Sr. No.</b>	<b>Organizer (AICTE/ Swayam / NPTEL / Coursera)</b>	<b>Title</b>	<b>Duration</b>	<b>Weeks</b>
<b>1.</b>	<b>SWAYAM NPTEL</b>	<b>Sensors and Actuators</b>	<b>26th July 2019 to 16th November 2019</b>	<b>14</b>
<b>2.</b>	<b>Coursera</b>	<b>Programming for everybody (Getting started with Python)</b>	<b>April 2020</b>	<b>7</b>
<b>3.</b>	<b>Coursera</b>	<b>Python Data Structure</b>	<b>May 2020</b>	<b>7</b>
<b>4.</b>	<b>Coursera</b>	<b>Using Python to Access Web Data</b>	<b>May 2020</b>	<b>6</b>

### **CONFERENCE ATTENDED**

<b>Sr. No.</b>	<b>Organizer</b>	<b>Title</b>	<b>Year</b>
<b>1.</b>	<b>Department of Electrical Engineering, IIT Bombay</b>	<b>National Conference on Communications (NCC 2015)</b>	<b>2015</b>

### **CONFERENCE ORGANIZED**

<b>Sr. No.</b>	<b>Organizer</b>	<b>Title</b>	<b>Year</b>
<b>1.</b>			

### **EVENTS ORGANIZED**

<b>Sr. No.</b>	<b>Organizer</b>	<b>Title</b>	<b>Year</b>
<b>1.</b>	<b>IET</b>	<b>IET PATW (The Institution of Engineering and Technology Present Around the World)</b>	<b>2016</b>
<b>2.</b>	<b>Urja Prabodhan Kendra in association with Sardar Patel College of Engineering</b>	<b>A Seminar on Rising Electricity Tariffs, Route cause and Way Out</b>	<b>2017</b>
<b>3</b>	<b>Sardar Patel college of Engineering, Mumbai and Rewa College of Engineering, Rewa</b>	<b>Research Symposium 2019 Recent Trends in Engineering and Industry 4.0</b>	<b>2019</b>

## **PROJECTS GUIDED**

### **PG Level**

<b>Sr. No.</b>	<b>Title of project</b>	<b>Year</b>	<b>Status (Completed/ Ongoing)</b>
<b>1.</b>	<b>Single Input Multiple Outputs DC-DC Converter</b>	<b>2017</b>	<b>Completed</b>

### **Ph.D. Level**

<b>Sr. No.</b>	<b>Title of thesis</b>	<b>Year</b>	<b>Status (Completed/ Ongoing)</b>
<b>1.</b>			

## **SUBJECTS TAUGHT**

<b>Sr. No.</b>	<b>Name of subject</b>	<b>UG/ PG</b>
<b>1.</b>	<b>Optimization Techniques</b>	<b>PG</b>
<b>2.</b>	<b>Robotics</b>	<b>UG</b>

3.	Communication Network and Securities	UG
4.	Integrated Circuits / Digital Circuits	UG
5.	Microprocessor and Microcontroller	UG
6.	VLSI Circuits	UG
7.	Embedded System	UG
8.	Internet of Things	UG

### ACHIEVEMENTS

Sr. No.	Type of achievement	Year
1.		

### DEPARTMENTAL AND INSTITUTIONAL RESPONSIBILITIES

Sr. No.	Type of responsibility	Department / Institute	Duration in Year
1.	Admission Committee	Institute	2015 to 2020
2.	Maintenance and EMF Committee	Institute	2019 to till date
3.	Member of Accreditation Committee (NBA/NAAC/NIRF)	Department	2019 to till date
4.	B.Tech. Project Committee	Department	2019 to till date
5.	Time Table Committee	Department	2021 to till date

### INDUSTRIAL TRAINING ATTENDED

Sr. No.	Organizer	Title	Year
1.			



### **INDUSTRIAL TRAINING ORGANIZED**

<b>Sr. No.</b>	<b>Organizer</b>	<b>Title</b>	<b>Year</b>
<b>1.</b>			

### **EXPERT LECTURE CONDUCTED / ORGANIZED**

<b>Sr. No.</b>	<b>Organizer</b>	<b>Title</b>	<b>Year</b>
<b>1.</b>			

### **FUNDED RESEARCH PROJECT**

<b>Sr. No.</b>	<b>Funding agency</b>	<b>Title</b>	<b>Sanctioned amount</b>	<b>Duration with dates</b>	<b>Status (Completed / ongoing)</b>
<b>1.</b>					

### **REVIEWER**

<b>Sr. No.</b>	<b>Title of journal / conference</b>	<b>Year</b>
<b>1.</b>	<b>IEEE Open Journal of the Computer Society</b>	<b>2021</b>

### **CONSULTANCY / TESTING / THIRD PARTY AUDIT**

<b>Sr. No.</b>	<b>Organizer</b>	<b>Type of consultancy</b>	<b>Year</b>
<b>1.</b>			