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	22 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

Sr. No.	Authors	Title of paper	Publisher	Year
1.	Sachin Chavhan, Rahul Chavhan	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	International Journal of Engineering and Advanced Technology (IJEAT)	2021
2.	Sachin Chavhan, Rahul Chavhan, K. P. Rane	Real Time Industrial Operator Allotment System	International Journal of Application or Innovation in Engineering & Management (IJAIEM) Volume 02, Issue 06	2013
3	Rahul Chavhan, Sachin Chavhan, Ganesh Chavan	Real Time Industrial Monitoring System	International Journal of Computer Trends and Technology (IJCTT) volume 4 Issue 7	2013

International Conference

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

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
7	Amit A Sonkamble,	Real-Time Indian Sign Language Detection using SSD-Mobilenet	Sardar Patel International	2022

	Rahul D Chavhan, Bhimrao S Jadhao, S. M. Rathod		Conference on Industry 4.0 - Nascent Technologies and Sustainability for 'Make in India' Initiative	

National Journals

Sr. No.	Authors	Title of paper	Publisher	Year
1.	-	-	-	-

National Conference

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

WORKSHOP / COURSES ATTENDED

Sr. No.	Organizer	Title	Duration	Days
1.	CDEEP in association with Department of Electrical Engineering, IIT Bombay	Electromagnetics: Pedagomy and Research Trends	23 – 24 January, 2015	2
2.	Knowledge Incubation under TEQIP' Initiative of the	Applications of Wavelets/Time-Frequency Methods/Multirate System	12th April 2015	1

	MHRD at IIT Bombay			
3.	**IIT Bombay under "Knowledge Incubation under TEQIP" Program of Ministry of Human Resource Development (MHRD)**	**Advances in Variable Structure and Sliding Control**	**28th May – 1st June, 2015**	**5**
4.	**Sardar Patel Institute of Technology, Andheri (w), Mumbai**	**Faculty Development Program on Advanced Technologies in Electronics Engineering Module "MEMS Devices"**	**16th Nov 2015 to 21st Nov 2015**	**6**
5.	**Yashada (Yashwantrao Chavan Academy of Development Administration) Pune**	**Moodle based e-Learning**	**14th Dec 2015 to 18th Dec 2015**	**5**
6.	**Sardar Patel College of Engineering, Mumbai**	**Micro Electromechanical System (MEMS): Design, Fabrication and Characterization"**	**4th to 8th Jan 2016**	**5**
7.	**Sardar Patel College of Engineering, Mumbai**	**Internet of Things**	**6th May 2016**	**1**
8.	**IIT Gandhinagar, Gujrat**	**Short Course on Geometry of Robotics and Control**	**12th to 15th Dec, 2016**	**4**
9.	**Sardar Patel College of Engineering, Mumbai**	**Short Term Training Program (STTP), on Nanoscience and Nanotechnology: Fundamentals, Synthesis and Applications**	**2nd to 7th Jan 2017**	**6**
10.	**Sardar Patel College of**	**Micro-electromechanical System**	**23rd Nov 2020 to 27th**	**5**

			Nov 2020	
	Engineering, Mumbai, organized by AICTE Training and Learning (ATAL) Academy		Nov 2020	
11.	Sardar Patel College of Engineering, Mumbai	**Faculty Development Program**	29th Oct to 2nd Nov 2018	5
12.	Sardar Patel College of Engineering, Mumbai	**3D Printing and Design**	20/09/2021 to 24/09/2021	5
13.	Sardar Patel College of Engineering, Mumbai	**3D Printing and Design Advance**	20/12/2021 to 24/12/2021	5
14	Sardar Patel College of Engineering, Mumbai	**Green Energy: Challenges & Mitigation Strategies**	18/12/2023 to 23/12/2023	6

WORKSHOP / COURSES CONDUCTED

Sr. No.	Organizer	Title	Year
1.			

ONLINE COURSES

Sr. No.	Organizer (AICTE/ Swayam / NPTEL / Coursera)	Title	Duration	Weeks
1.	SWAYAM NPTEL	**Sensors and Actuators**	26th July 2019 to 16th November 2019	14
2.	Coursera	**Programming for everybody**	April 2020	7

		(Getting started with Python)		
3.	Coursera	Python Data Structure	May 2020	7
4.	Coursera	Using Python to Access Web Data	May 2020	6

CONFERENCE ATTENDED

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

CONFERENCE ORGANIZED

Sr. No.	Organizer	Title	Year
1.	Sardar Patel College of Engineering	Sardar Patel International Conference On Industry 4.0-Nascent Technologies and Sustainability for 'Make in India Initiative'	2022

EVENTS ORGANIZED

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

	Engineering, Rewa		
4	**Sardar Patel college of Engineering, Mumbai**	**Smart India Hackathon 2024 - SPOC**	**2024**

PROJECTS GUIDED

PG Level

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

Ph.D. Level

Sr. No.	Title of thesis	Year	Status (Completed/ Ongoing)
1.	-	-	-

SUBJECTS TAUGHT

Sr. No.	Name of subject	UG/ PG
1.	**Optimization Techniques**	**PG**
2.	**Robotics**	**UG**
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
6.	Samarth SPOC	Institute	2023 to date
7.	Convener IIC	Institute	2023 to date
8.	Smart India Hackathon 2024	Institute	2024

INDUSTRIAL TRAINING ATTENDED

Sr. No.	Organizer	Title	Year
1.	-	-	-

INDUSTRIAL TRAINING ORGANIZED

Sr.	Organizer	Title	Year

No.			
1.	-	-	-

EXPERT LECTURE CONDUCTED / ORGANIZED

Sr. No.	Organizer	Title	Year
1.	-	-	-

FUNDED RESEARCH PROJECT

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

REVIEWER

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

CONSULTANCY / TESTING / THIRD PARTY AUDIT

Sr. No.	Organizer	Type of consultancy	Year
1.	BNCMC	Supply, fixing and commissioning of Traffic signal at Dharamveer Anand Dighe Chowk, Bhiwandi	01-12-2021
2.	BNCMC	Providing street light arrangement at Amidhara complex to Munisurat building and Saimandir road Kamatghar (Moolbhootsuvidha government fund)	04-02-2022

	BNCMC	Providing street light arrangement at Narmada Nagar Nala to Narpoli gaon Sai Baba mandir (Mool Bhoot suvidha govt. fund)	04-02-2022
	BNCMC	Providing street light arrangement at Ramchandra Hotel to Vasai Highway Hanuman Mandir (Mool Bhoot Suvidha Government Fund)	04-02-2022
	BNCMC	Estimate for Supply, fixing and commissioning of Traffic signal at Rajiv Gandhi Chowk, Bhiwandi	14-03-2022
	BNCMC	Design, supply, installation and commissioning of 20 kW on grid rooftop solar system on BNCMC prabhag samite no. 3 Adm. Building Padmanagar, Bhiwandi	14-03-2022
		Estimate for Supply, fixing and commissioning of Traffic signal at Bhadwad Temghar Naka Chowk, Bhiwandi	25-03-2022
	BNCMC	Supplying and erecting Highmast at (1) Mishkat Masjid at Raoji Nagar at ward no. 9 (2) Rehmatpura Qabrastan at ward no. 11, Bhiwandi	14-03-2023
	BNCMC	Providing street light arrangement from Anjurphata railway bridge to Tirupati Hospital Padmanagar (Dhamankar Naka), Bhiwandi	06-10-2023
	BNCMC	Supplying and erecting street light arrangement at Devji Nagar to Sathe Nagar and Sathe Nagar Pump room to Agra Road (Lokshahir Anna Bhau Sathe Nagari Vasti Sudharana Yojana Fund)	04-11-2022
	AMC	EV, Traffic Signal Ambarnath Municipal Council, Ambarnath	28-11-2023
	AMC	Supply, Installation, Testing and Commissioning of Outdoor LED Display Board to display air quality at Mataka Chowk in Ambernath Municipal region	01-03-2024
	AMC	Supply, Installation, Testing and Commissioning of Outdoor LED Display Board to display air quality at Hutatma Chowk, Administration Building Main Gate and Sitaram Graden in Ambernath Municipal region	01-03-2024

	AMC	Supply, Installation, testing and Commissioning of Master / Slave Traffic signal System with CAT cable communication and RF based communication with One comprehensive maintenance during defect Liability period and after that 4 years comprehensive maintenance - Shiv mandir T Point Junction, DMC Chowk, Saibaba Mandir, Shastri Chowk, Samarth Chowk, Palegaon Naka. (6 work)	19-06-2024