



# Dr. Chetan J. Shingadiya

Associate Professor, Head of Department  
Recognized Ph.D. Supervisor  
Computer /IT Engineering Department  
RK University - Rajkot

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**Ph. D, M. Tech, BE**

## TOTAL WORK EXPERIENCE

14+ Years



## Education

### Doctorate, Engineering

Rai University  
Center for Research & Development  
Ahmedabad, Gujarat

### Master, Engineering

Department of Rollawala  
Gujarat University  
Ahmedabad, Gujarat

### Bachelor, Engineering

Atmiya Institute of Technology & Science  
Saurashtra University  
Rajkot, Gujarat

### Doctor of Philosophy - Ph. D

March, 2022  
AICTE & UGC Approved

### Post-Graduated, 2012

Marks 70.29%  
Division 1

### Graduated, 2009

Marks 65.50%  
Division 1



## Academic Experiences

Currently, I am working as an Associate Professor and Head of Department in Department of Computer Engineering/Information Technology of School of Engineering of RK University, Rajkot, Gujarat, India. In addition, this, I am also recognized research supervisor at RK University. At present I am guiding 6 Ph. D scholars.

I am having more than 14 years of teaching experience of under graduate and post graduate students in various academic institutions in Gujarat, India. During my tenure till now I attended more than 40 technical workshops, short term training program and faculty development program for skill enhancement and continuing learning.

I taught subjects like Database Management Systems – Relational and Non-Relational Databases (Oracle, MySQL, MS ACCESS, MongoDB), Big Data Technologies, Programming in C, Theory of Computation, Genetic Algorithm, Artificial Intelligence & Machine Learning with Python.

I have been certified by **TCSion** which is digital online platform of TATA Consultancy Service (**TCS**) for successfully completed course on “**Career Edge**” course with excellent score (**Overall Obtain Grade A**).

I am certified by INTERNATIONAL ENGINEERING EDUCATOR which is recognized by Indo Universal Collaboration for Engineering Education (**IUCEE**) and International Society for Engineering Education (**IGIP**), Austria.



## Research Publication

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1. Integration of Blockchain Technology in Health Care System: An Intensive Review (2023), 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), IEEE.
2. Implementation of Integration of Advanced Optimized Models with Block Chain Models (2023), 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE 2023), IEEE.
3. A Voting System Using Block Chain A Deep Survey (2023), 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE 2023), IEEE.
4. An Investigation: Voting System using Blockchain Technology (2022), paper presented in International Conference on Science, Engineering and Technology (ICSET 2022), organized by School of Engineering, RK University, 18-19 November 2022.
5. A Role of Machine Learning Algorithm in Educational Data Mining using Predictive Models: A Review 2022), paper presented in International Conference on Science, Engineering and Technology (ICSET 2022), organized by School of Engineering, RK University, 18-19 November 2022.
6. Evidence on the need for metrics measuring Cyber Security 2022), paper presented in International Conference on Science, Engineering and Technology (ICSET 2022), organized by School of Engineering, RK University, 18-19 November 2022.
7. A Review: IoT based emergency patient care system 2022), paper presented in International Conference on Science, Engineering and Technology (ICSET 2022), organized by School of Engineering, RK University, 18-19 November 2022.
8. A Discrete Salp Swarm Algorithm with Weights and Lévy Flights: Application for Parkinson's Disease Detection (2023), Dr. Nitesh M. Sureja, Dr. Chetan J. Shingadiya, Pratik Patel, Dr. Hemant H. Patel, Indonesian Journal of Electrical Engineering and Computer Science (SCOPUS INDEXED), Vol. 29, No. 1, January 2023, pp. 472~480.
9. Use of Deep Learning Application in Medical Devices (2022), Dr. Chetan J. Shingadiya, Vijay Markala, Dr. G V Sriramakrishanan, Poltekkes Kaltim, 5<sup>th</sup> International Conference on Inventive Computation Technologies ICICT-2022, (IEEE Explore proceedings)
10. Dr. Nitesh M. Sureja, Dr. Chetan J. Shingadiya, Dr. Hemant H. Patel, Mayur M Jani, Heli Sureja (2022), A Discrete Harris Algorithm for Detecting Parkinson's: A Progressive Neurodegenerative Disorder, Journal of Neuro Quantology, July 2022, Volume 20, Issue 7, Pages-314-321.
11. Dr. Nitesh M. Sureja, Chetan J. Shingadiya, Hemant H. Patel, Divyaransinh N. Parmar (2021), A Fast Nature Inspired Algorithms for Data Clustering, Journal of Design Engineering –Toronto (SCOPUS INDEXED), Issue 8, Pages 5645-56663.
12. Dr. Nitesh M. Sureja, Chetan J. Shingadiya, Hemant H. Patel, Jay Fuletra (2021), Automatic Generation of Ontology Diagrams, Journal of Design Engineering –Toronto (SCOPUS INDEXED), Issue 8, Pages 8310-8323.
13. Chetan J. Shingadiya, Dr. Nitesh M. Sureja (2021), Genetic Algorithm for Test Suite Optimization: An Experimental Investigation of Different Selection Methods, Turkish Journal of Computer and Mathematics Education (SCOPUS INDEXED), Volume 12, Number 3, Pages 3778-3787.

## Patent Publication:

1. Innovator Name: Chetan J. Shingadiya, Application Number: 202121042203, Title of the Invention: Method and System for Creating and Securely Managing Vehicle Identity Records Using Block Chain Technology, Publication Date: 29/10/2021
2. Innovator Name: Dr. Chetan J. Shingadiya, Application Number: 202241040264, Title of the Invention: Brain Inspired Intelligent Implant to Predict and Detect Stokes using Supervised Machine Learning, Publication Date: 22/07/2022
3. Innovator Name: Dr. Chetan J. Shingadiya, Application Number: 202221043834, Title of the Invention: Method and System for Evaluation of Academic Performance in Educational Institutions using Deep Learning (DL) Models, Publication Date: 22/08/2022

## Book Publication:

1. I have published book on "Image Based Retrieval System" in Lambert Publication-Germany.
2. Programming Practices using C in IIP International Publication.



## Professional Membership

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- **ISTE Member**, Membership Number: LM 108389



## Appreciation

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1. Received **Certificate of Appreciation for Best Paper Award for Title: "An Investigation Voting System using Blockchain Technology"** in International Conference on Science, Engineering and Technology **ICSET 2022** organized by School of Engineering, RK University, Rajkot held of 18-19 November 2022.
2. Received **Certificate of Appreciation for contributed as a Reviewer** in International Conference on Science, Engineering and Technology **ICSET 2022** organized by School of Engineering, RK University, Rajkot held of 18-19 November 2022.
3. Received **Certificate of Appreciation for contributed as a Session Chair** in International Conference on Science, Engineering and Technology **ICSET 2022** organized by School of Engineering, RK University, Rajkot held of 18-19 November 2022.
4. **Appreciated by IIT Bombay**, Under the OSTC Club "To, Dr. Subhash Technical Campus, Junagadh", in deep appreciation for outstanding contribution rendered to spread Free and Open Source Software Training through Spoken tutorial Project, IIT Bombay, in the state of Gujarat, This is an NMEICT, MHRD; Govt. of India initiatives promotion of ICT enabled learning."
5. Certificate of **Achievement** awarded as workshop Manager by **IIT Bombay**.
6. Received "**Best Teacher Award**" on the day of Teacher's Day Celebration 2017.
7. **Achievement of "Best Paper Award "**, on title: *Nature Inspired Algorithms for Test Suite Optimization for Regression Testing: An Investigation*"



## Grant Received

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1. Received grant of **50000/-** from Unnat Bharat Abhiyan (UBA) (**2022**) for survey of rural areas of nearby university. The objective of this survey is to identify problems in rural areas and proposed solution for specific areas.
2. I received grant of more than **Rs. 1, 50, 000/-** from Gujarat Council on Science & Technology (**GUJCOST**), Gujarat for organized various skill development workshop for students.
3. I received grant of Rs. **25,000/-** for patent title: **Method and System for Creating and Securely Managing Vehicle Identity Records Using Bock Chain Technology** from SSIP Grantee institute, Dr. Subhash Technical Campus – Junagadh.



## Personal Details

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Father's Name: Mr. Jivanlal Sidubhai Shingadiya

Marital Status: Married

Birthday: July 20, 1987

Nationality: Indian

Gender: Male

### Declaration

I, Chetan J. Shingadiya, hereby declare that the information contained here is true and correct to the best of my knowledge and belief.

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Chetan J. Shingadiya