

# DR. MAHESH GOYANI

Educator, Researcher, Youtuber, Blogger, Author, Poet, Artist, Photographer

🌐 [www.maheshgoyani.in](http://www.maheshgoyani.in) | ⭐ [www.codecrucks.com](http://www.codecrucks.com) | @ [mgoyani@gmail.com](mailto:mgoyani@gmail.com)

Social Profiles: [📺 YouTube](#) | [📘 Facebook](#) | [🐦 Twitter](#) | [📷 Instagram](#) | [🌐 LinkedIn](#) | [📠 Telegram](#)

Technical Profile: [🔍 Google Scholar](#) | [📄 Research Gate](#) | [👤 Semantic Scholar](#) | [📄 Publons](#) | [🌟 ORCID](#)



## EXPERIENCE

### Assistant Professor

Government Engineering College, Modasa

📅 Jan 2016 – Ongoing 📍 Aravalli, GJ, India

### Assistant Professor

L D College of Engineering

📅 May 2011 – Jan 2016 📍 Ahmedabad, GJ, India

### Assistant Professor

G H Patel College of Engineering and Technology

📅 April 2008 – May 2011 📍 V. V. Nagar, GJ, India

### Lecturer

Mahatma Gandhi Institute of Technical Education and Research Center

📅 Nov. 2006 – April 2008 📍 Navsari, GJ, India

### Adhoc Lecturer

STBS College of Diploma Engineering

📅 Dec. 2005 – Nov. 2006 📍 Surat, GJ, India

## CODING SKILLS

Python

C / C++

MATLAB

PHP

Web Development

Latex

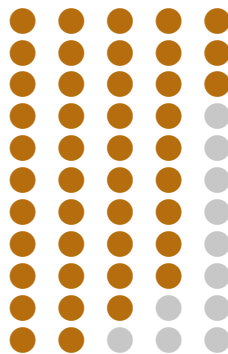
R Programming

Java

RapidMiner

OpenGL

Shell Programming



## LIFE PHILOSOPHY

*"Sincerity always pays off."*

## EDUCATION

### M.A. (Gujarati Literature)

Baba Saheb Ambedkar Open University, Modasa

📅 Aug 2021 – July 2023

### Ph.D. (Facial Expression Recognition)

Charotar University of Science and Technology, Changa

📅 Jan 2014 – Nov 2017

### B.A. (Gujarati Literature)

Gujarat University, Ahmedabad

📅 May 2010 – April 2014

### M.E. (Computer Engineering)

Sardar Patel University, V. V. Nagar

📅 July 2007 – Oct 2009

### B.E. (Computer Engineering)

Veer Narmad South Gujarat University, Surat

📅 July 2001 – May 2005

## TECHNICAL SPHERE

Pattern Recognition

Machine Learning

Image Processing

Data Analytics

Computer Graphics

Data Visualization

Data Mining

Operating Systems

Data Structures

Algorithms

Theory of Computation

## INVITED SPEAKER

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### Gujarati Sahitya na Utung Shikharo

L D College of Engineering

📅 21-09-2022

📍 Ahmedabad

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### Classification and Clustering

LDRP Institute of Technology and Research

📅 10-05-2022

📍 Gandhinagar

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### Deidable and Undecidable Problems

C S Patel Institute of Technology

📅 09-04-2022

📍 Changa

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### Weight Optimization Techniques

Gujarat Power Engineering and Research Institute

📅 28-03-2022

📍 Mehsana

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### MATLAB and Its Applications in Image Segmentation

Parul Institute of Computer Applications

📅 17-08-2021

📍 Vadodara

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### Introduction to Machine Learning

S N Patel Institute of Technology

📅 07-07-2021

📍 Umrakh

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### Supervised and Unsupervised Machine Learning

Government Polytechnic

📅 06-07-2021

📍 Gandhinagar

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### Image Processing

Vidush Somany Institute of Technology and Research

📅 18-05-2021

📍 Kadi

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### Face Recognition

Chandubhai S Patel Institute of Technology

📅 02-04-2021

📍 Changa

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### Supervised Machine Learning Algorithms, How to set up ML Application - Hands on using Python

Indus University

📅 06-02-2021

📍 Ahmedabad

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### Introduction to Machine Learning

Gujarat Power Engineering and Research Institute

📅 04-02-2021

📍 Mehsana

## TRAINING & FDP

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### Learning Research Analysis & Data Visualization

NITTTR, Bhopal

📅 20-03-2023 to 24-03-2023

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### Mathematical Foundations of Data Sciences and Its Applications

Global Academy of Technology, Bengaluru - ATAL FDP (Online Mode)

📅 19-01-2021 to 23-01-2021

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### Comprehensive Online Intellectual Property Rights

Directorate of Technical Education (Online Mode)

📅 06-07-2020 to 14-11-2020

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### E-Content Development

Directorate of Technical Education (Online Mode)

📅 28-07-2020 to 18-08-2020

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### Machine Learning and Deep Learning for Video Analytics

Mangalore Unviersity, Karnataka - ATAL FDP (Online Mode)

📅 02-11-2020 to 07-11-2020

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### Applications of Linear Algebra in Data Science

NIT, Andhra Pradesh - ATAL FDP (Online Mode)

📅 07-09-2020 to 11-09-2020

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### Assessment and Evaluation in Higher Education

MMMNMTT, IISER, Bhopal (Online Mode)

📅 27-08-2020 to 04-09-2020

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### Induction: Phase - II

NITTTR, Bhopal

📅 22-10-2018 to 02-11-2018

Object Oriented Programming in Python  
Gujarat Power Engineering and Research Institute

📅 02-02-2021

📍 Mehsana

Generative Models

L J Institute of Technology

📅 02-01-2021

📍 Ahmedabad

Unsupervised Machine Learning Algorithms

Ahmedabad Institute of Technology

📅 07-11-2020

📍 Ahmedabad

Microsoft Teams

Government Engineering College, Modasa

📅 02-07-2020

📍 Modasa

Advanced Algorithms

Government Engineering College, Patan

📅 07-03-2020

📍 Patan

Dimension Reduction

Government Engineering College, Modasa

📅 30-11-2019

📍 Modasa

Various Machine Learning Techniques

Government Engineering College, Gandhinagar

📅 12-06-2019

📍 Gandhinagar

RapidMiner - A Lightning Fast Way to Data Mining

LDRP Institute of Technology and Research

📅 17-12-2018

📍 Gandhinagar

Regression Techniques and Model Performance

Birla Vishwakarma Mahavidyalaya

📅 28-11-2018

📍 V. V. Nagar

Cluster Analysis

Vishwakarma Government Engineering College

📅 17-10-2018

📍 Chandkheda

Informed Search Algorithms

Aditya Silver Oak Institute of Technology

📅 28-07-2018

📍 Ahmedabad

Cyber-Physical Systems - Theory and Applications

DAIICT, Gandhinagar

📅 08-04-2017 to 12-04-2017

Application of Optimization Techniques in Engineering for Research

Government Engineering College, Modasa

📅 02-01-2017 to 13-01-2017

Use of Blog in Teaching Learning

NITTTR, Bhopal

📅 06-06-2016 to 10-06-2016

Design and Development of Dynamic Website

NITTTR Extension Center, RCTI, Ahmedabad

📅 12-07-2015 to 18-07-2015

Induction Training - Phase: I

NITTTR Extension Center, RCTI, Ahmedabad

📅 29-04-2013 to 10-05-2013

Advance Java

Tata Consultancy Service, Gandhinagar

📅 18-06-2012 to 22-06-2012

ANN and Optimization Technique and Applications

NITTTR, Chandigarh

📅 21-11-2011 to 25-11-2011

## MOOC

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Deep Learning - Part 1

IIT - Rapor

📅 Jan 2020 - Apr 2020 📍 12 Week

Deep Learning

IIT - Kharagpur

📅 Jan 2020 - Apr 2020 📍 12 Week

Introduction To Machine Learning

July 2019 - Oct 2019

📅 IIT - Madras 📍 12 Week

## Regression techniques in ML and Dimensionality reduction in ML

LDRP Institute of Technology and Research

📅 01-05-2018

📍 Gandhinagar

## Video Indexing and Auto Highlight Generation

Government Engineering College, Modasa

📅 06-04-2018

📍 Modasa

## Technical Report Writing and Authoring Research Manuscript with LaTeX

Smt. S.R.Patel Engineering College

📅 25-06-2017

📍 Unjha

## Feature Selection using Dimension Reduction

Shantilal Shah Engineering College

📅 16-02-2017

📍 Bhavnagar

## Optimal Feature Selection using Dimension Reduction

Government Engineering College, Modasa

📅 07-01-2017

📍 Modasa

## Various Techniques to Solve Traveling Salesman problem

L D College of Engineering

📅 28-06-2016

📍 Ahmedabad

## A Closer Look @ Image

Government MCA College, Maninagar

📅 11-03-2015

📍 Ahmedabad

## Graphics Output Primitives

Government Engineering College, Bhavnagar

📅 26-03-2012

📍 Bhavnagar

## Video Indexing

G H Patel College of Engineering and Technology

📅 14-03-2011

📍 V. V. Nagar

## Basics of Advanced Computer Algorithms

LDRP Institute of Technology and Research

📅 12-03-2010

📍 Gandhinagar

## Real Time Operating System - Concept and Scheduling Algorithms

B & B Institute of Technology

📅 24-02-2009

📍 V.V.Nagar

## Machine Learning for Engineering and Science Applications

IIT - Madras

📅 Jan 2019 - Apr 2019 📍 12 Week

## Programming, Data Structures and Algorithms using Python

IIT - Madras

📅 July 2020 - Dec 2020 📍 08 Week

## Data Science for Engineers

IIT - Madras

📅 Jan 2019 - Apr 2019 📍 08 Week

## SELECTED PROJECTS

For complete list of projects, please visit:

<https://maheshgoyani.in/Profile.php>

## Movie Recommendation System using Collaborative and Content-Based Filtering

Neha Chaurasiya

📅 2018-2020

## Content Based Image Retrieval using Hybrid Features

Sagar Chavda

📅 2017-2019

## Face Recognition using Appearance Based Hybrid Features

Payal Parekh

📅 2017-2019

## Facial Expression Recognition Using Feature Fusion and Feature Reduction

Nazeerah Sheth

📅 2016-2018

## Minutiae based Fingerprint Recognition using Machine Learning Techniques

Urmi Soni

📅 2016-2018

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## Real Time Operating System

G H Patel College of Engineering and Technology

📅 19-02-2009

📍 V.V.Nagar

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## WORKSHOPS DELIVERED

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### Introduction to Machine Learning and Implementation of ML - Algorithms through sklearn

V. V. P. Engineering College

📅 17-09-2020

📍 Rajkot

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### Advanced Image Processing With Hands on Session

Indus Institute of Technology and Engineering

📅 18-02-2020

📍 Ahmedabad

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### Curve Generation and Open GL

Parul Institute of Engineering and Technology

📅 18-03-2019

📍 Vadodara

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### MATLAB

Government Engineering College, Modasa

📅 19-01-2019

📍 Modasa

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### LATEX - A Document Preparation System

VPMP Polytechnic

📅 25-03-2017

📍 Gandhinagar

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### Applications of Image Processing

Shree Swami Atmanand Saraswati Institute of Technology

📅 04-02-2017

📍 Surat

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### MATLAB

LDRP Institute of Technology and Research

📅 15-02-2015

📍 Gandhinagar

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### Digital Image Processing - Concepts & Implementation

Chandubhai S Patel Institute of Technology

📅 10-01-2015

📍 Changa

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### Programming To MATLAB

A D Patel Institute of Technology

📅 09-04-2011

📍 New V. V. Nagar

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### MATLAB and Its Application in Image Processing

LDRP Institute of Technology and Research

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### Blur Detection and Removal using Hybrid Feature

Maria Sada

📅 2016-2018

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### Quality Control for Drug using Machine Learning Algorithm

Tejal Desai

📅 2015-2017

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### Rotation Invariant Approach for Template Matching

Janardan Bharvad

📅 2015-2017

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## PHD RESEARCH

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### Video Summarization

Khushali Rawal

📅 2018 - on going

**Objective:** To develop an efficient algorithm for key frame detection using hybrid features to leverage the accurate identification of the higher level semantics

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### Facial Expression Recognition

Himani Trivedi

📅 2020 - on going

**Objective:** To Create a mode which can be used to efficiently recognize the facial expression in cluttered environment with very limited training samples

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### Scene Classification

Sagar Chavda

📅 2020 - on going

**Objective:** To improve the pattern recognition accuracy using deep learning to classify various scences. Make the content based retrieval more robust and reliable.

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### Image Fusion

Trusha Gajjar

📅 2020 - on going

**Objective:** To enhance the quality of de-focused images by using image fusion techniques

📅 31-03-2011

📍 Gandhinagar

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## Role of MATLAB in Image Processing

G H Patel College of Engineering and Technology

📅 14-08-2010

📍 V. V. Nagar

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## MATLAB

G H Patel College of Engineering and Technology

📅 23-01-2010

📍 V. V. Nagar

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## WEBINARS

### Data Science - Today and Tomorrow

Swarnim Startup and Innovation University

📅 16-10-2020

📍 Gandhinagar

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### Machine Learning - Introduction to Applications

Government Engineering College, Gandhinagar

📅 03-10-2020

📍 Gandhinagar

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### Building Machine Learning Application

RNG Patel Institute of Technology, Isroli

📅 29-06-2020

📍 Bardoli

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### Image Processing: Pixel to Project

GIDC Degree Engineering College

📅 17-06-2020

📍 Navsari

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### Python Programming

S. S. Agrawal College

📅 12-06-2020

📍 Navsari

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## PUBLICATIONS

For complete list of Research publications, please visit: <https://maheshgoyani.in/Publication.php>

For complete list of Book publications, please visit: <https://maheshgoyani.in/Books.php>

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## PROUD MOMENTS

### 📌 Placement Fair

Successfully coordinated district level placement fair for 12 colleges across entire Aravalli district in 2020, 2021, 2023

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### 🏆 Best Researcher National Award

Received Best Researcher National Award from IRDP Group of Journals, Chennai, 2018

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### 👤 Session Chair

Invited as a SESSION CHAIR in International Conference on Computer Science, Engineering and Information Technology, Tirunelveli, Tamilnadu, India, 2011

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### 🏅 Competitive Exams: Country

Qualified GATE Exam with 91.18 Percentile and secured All India Rank 1571 in Feb 2008.

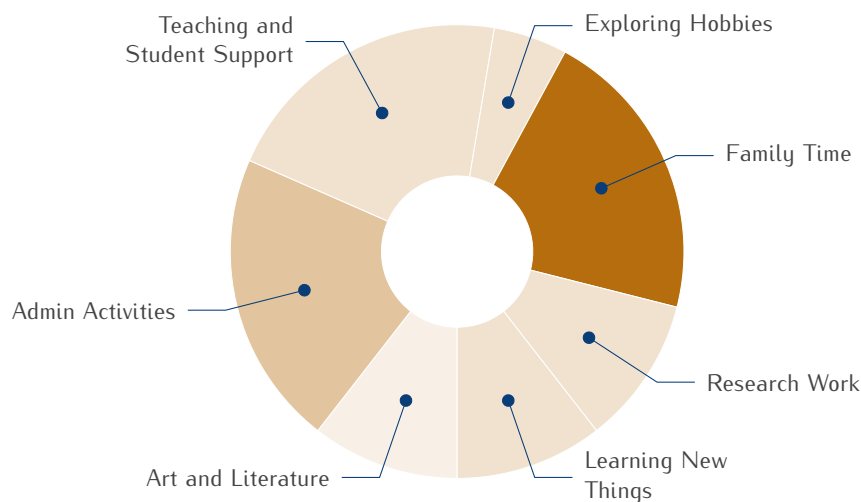
## EDITORIAL ACTIVITIES

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- Reviewer: *Electronic Letters on Computer Vision and Image Analysis*(Autonomous University of Barcelona)
- Reviewer: *Computer Vision and Image Understanding*(Elsevier Publication)
- Reviewer: *Engineering Science and Technology*(Elsevier Publication)
- Editorial Board Member: *Machine Learning Research* (SciencePG Publication)
- Reviewer: *Soft Computing* (SPRINGER Publication)
- Reviewer: *Signal Processing* (IET Publication)
- Reviewer: *International Journal of Computational Intelligence and Neuroscience* (Hindawi Publication)
- Reviewer: *Journal of Systems and Information Technology* (Hindawi Publication)
- Reviewer: *International Journal of Advanced and Applied Sciences* (IASE Publisher)
- Reviewer: *The 6th International Conference on Fuzzy Systems and Data Mining (FSDM 2020)* (Xiamen, China, 2020)
- Program Committee Member: *2nd Euro-Asia Conference on Frontiers of Computer Science and Information Technology* (Hongkong)
- Program Committee Member: *European Conference on Frontiers of Computer Science and Information Technology*(Amsterdam, Netherlands)
- Technical Program Committee Member & Reviewer: *First International Conference on Machine Intelligence and Research Advancement* (Katra, J & K)
- Program Committee Member: *International Conference of Advanced Computer Science & Information Technology* (Chennai - 2012)
- Reviewer: *International Journal of Computer Science Issues*(Mauritius)
- Reviewer: *International Journal of Engineering and Technology*(Singapore)
- Reviewer: *International Journal of Computer Science and Information Security*(Pittsburgh, USA)
- Reviewer: *Electronics and Telecommunication Research Institute*(Korea)
- Member of Editorial Board: *International Journal of Computational Science and Information Technology*
- Advisory Committee Member: *International Conference on Recent Advancements in Engineering and Technology (2020)*

## A DAY OF MY LIFE

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DR. MAHESH GOYANI

Social: Web | Blog | YouTube | Facebook | Twitter | Instagram | Telegram | LinkedIn

Technical: Google Scholar | Research Gate | Semantic Scholar | Publons | ORCID