

Mahesh M. Goyani

M.E. (Computer Engineering)

Lecturer, Department of Computer Engineering,

G H Patel College of Engineering and Technology,

Bakrol Gate, V.V.Nagar - 388 120.

Anand, Gujarat, India.



Personal Profile:

Name : Mr. Mahesh M. Goyani.
Qualification : M.E. (Computer Engineering).
Designation : Lecturer, Department of Computer Engineering, GCET.
Date of Birth : 05th October, 1983.
E-Mail ID : mgoyani@gmail.com, maheshgoyani@gcet.ac.in
Web Site : www.maheshgoyani.co.in

Educational Qualification:

- M.E. (Computer Engineering), BVM College, SP University, V.V.N, Oct '09. (CPI: 9.38).
- B.E. (Computer Engineering), SCET, VNSGU, Surat, May '05. (67.00 %).
- H.S.C., Gujarat Secondary Education Board, April '01. (84.00 %, 90.22 % PCMB)
- S.S.C., Gujarat Higher Secondary Education Board, Mar '99. (86.86 %, 91.00 % MS).

Technical Sphere of Interest:

- Digital Image Processing
- Computer Algorithms
- Data Structures

Area of Research:

- Content Based Video Indexing
- Digital Watermarking
- Speech Processing
- Various Biometrics – Detection & Recognition
- Facial Expression Recognition
- Text Processing – Optical and Hand written

Achievements:

- Secured 1st Rank twice in Sardar Patel University in Master Degree (CPI: 9.38/10 = 81.03 %)
- Qualified GATE Exam with 91.18 Percentile in Feb '08. (All India Rank: 1571)
- In India level NIIT Aptitude test, Scored 89.00 percentile.

Expert Talks:

- Delivered One Day Seminar on “Basics of Advanced Computer Algorithms” at LDRP – ITR, Gandhinagar under IEEE Student Branch on 12th March '10.
- Delivered Expert Lecture on “*Real Time Operating System – Concept and Scheduling Algorithms*” at BBIT, V.V.Nagar on 24th March '09.
- Delivered Expert Lecture on “*Real Time Operating System*”, under ISTE Student Branch at GCET, V.V.Nagar on 19th Feb '09.

Membership:

- Convener of “*Image Processing Research Group (IPRG)*”, GCET.
- Convener of “*GCET Study Circle*” of Department of Computer Engineering.
- Reviewer of “*International Journal of Computer Science Issues (IJCSI)*”, Mauritius
- Reviewer of “*Electronics and Telecommunication Research Institute (ETRI)*”, Korea.
- Member of IEEE Technical Society (Membership No: 90918734).
- Member of “*Indian Society of Technical Education (ISTE)*”, LM 61171.
- Member of GCET R & D Cell.
- Member of GCET Consultancy Cell.
- Member of GCET Web Committee.

Co-Curricular Activities:

- Organized and delivered ISTE approved University level, Two day workshop on “*Role of MATLAB in Image Processing*” under IPRG at GCET on 14th-15th August 2010.
- Coordinated University Level Technical Event “*ENIGMA '10*”, organized under ISTE and Prarambh at GCET on 6th - 7th Feb '10.
- Conducted and Delivered “*One Day Workshop on MATLAB*” under ISTE Student Chapter on 23rd Jan '10, GCET, V.V.N
- Coordinated State Level Technical Event “*INFINITI '09*”, Organized under ISTE and Prarambh at GCET on 19th -21st Nov '09.

International Publications:

International Conference:

- [1] **Mahesh Goyani**, Shreyash Dutta, Payal Raj, "Key Frame Detection Based Semantic Event Detection and Classification Using Hierarchical Approach for Cricket Sport Video Indexing", **SPRINGER**, LNCS in Communications in Computer and Information Science, Vol. 131, pp. 388-397, *Proc. of International Conference on Computer Science and Information Technology*, Bangalore, India, 2-4 Jan '11.
- [2] **Mahesh Goyani**, Gunvatsinh Gohil, "Performance Analysis of Block and Non Block Based Approach of Invisible Image Watermarking Using SVD in DCT Domain", **SPRINGER**, LNCS in Communications in Computer and Information Science, Vol. 131, pp. 348-357, *Proc. of International Conference on Computer Science and Information Technology*, Bangalore, India, 2-4 Jan '11.
- [3] **Mahesh Goyani**, Gitam Shikkenawis, Brijesh Joshi, "Geometry and Skin Colour Based Hybrid Approach for Face Tracking in Colour Environment", **SPRINGER**, LNCS in Communications in Computer and Information Science, Vol. 131, pp. 339-347, *Proc. of International Conference on Computer Science and Information Technology*, Bangalore, India, 2-4 Jan '11.
- [4] **Mahesh Goyani**, Namrata Dave, Narendra Patel, "Performance improvement in Lip Synchronization using LPC, MFCC and PLP Speech Parameters", *Proc. of IEEE Xplore*, International Conference on Computational Intelligence and Communication Networks, Bhopal, India, 26-28 Nov. '10.

International Journal:

- [5] **Mahesh Goyani**, Brijesh Joshi, Gitam Shikkenawis, "Acceptance / Rejection Rule based Algorithm for Multiple Face Detection in Color Images", *International Journal of Engineering Science and Technology*, Vol. 2(6), pp. 2148-2154, Chennai, July '10. (I.F.: 1.85, ISSN: 0975-5472).
- [6] **Mahesh Goyani**, Narendra Patel, M.A.Zaveri, "Performance Improvement in Lip Synchronization Using MFCC Parameters", *International Journal of Engineering Science and Technology*, Vol. 2(6), pp. 2364-2369, Chennai, July '10. (I.F.: 1.85, ISSN: 0975-5472).
- [7] **Mahesh Goyani**, Japen Pathak, "Ear Recognition Using Force Field Feature Extraction", *International Journal of Software Engineering and Technology (JSET)*, Vol. 2, No.1, pp. 11-16, Jan-June '10 (ISSN: 0975-6159)

National Publications:

National Conference:

- [1] **Mahesh Goyani**, Japen pathak, "*Ear Recognition Using Force Field Feature Extraction*", National Conference on Advanced Computing, G H Patel College of Engineering and Technology, V.V.Nagar, India, 12-13 Dec '09. (ISBN: 978-81-909376-0-3).
- [2] **Mahesh Goyani**, Parul Tandel, Hetal Chudasama, "*Improvement in Lip Detection and Feature Extraction in Dynamic Lighting Conditions and Complex Background*", National Conference on Advanced Computing, G H Patel College of Engineering and Technology, V.V.Nagar, India, 12-13 Dec '09. (ISBN: 978-81-909376-0-3).
- [3] **Mahesh Goyani**, Namrata Dave, "*Performance Analysis of LPC, PLP and MFCC Parameters in Speech Recognition*", National Conference on Advanced Computing, G H Patel College of Engineering and Technology, V.V.Nagar, India, 12-13 Dec '09. (ISBN: 978-81-909376-0-3).
- [4] **Mahesh Goyani**, "*Real Time Lip Synchronization*", National Level Conference on Emerging Trends in Information Communication Technology, C U Shah College of Engineering and Technology, Vol. 2, pp. 158 – 160, Wadhwan, India, 19th April '09
- [5] **Mahesh Goyani**, Mukesh Patel, "*Artificial Neural Network in Data Mining*", National Level Conference on Emerging Trends in Information Communication Technology, C U Shah College of Engineering and Technology, Vol. 1, pp. 155-159, Wadhwan, India, 25th May '08.

National Journal:

- [6] **Mahesh Goyani**, Namrata Dave, "*Performance Analysis of LPC, PLP and MFCC Parameters in Speech Recognition*", ADIT Journal of Engineering, Vol. 7, No. 1, pp. 7 -11, Anand, Gujarat, India, Aug '10. (ISSN: 0973 3663).
- [7] **Mahesh Goyani**, Parul Tandel, Hetal Chudasama, "*Improvement in Lip Detection and Feature Extraction in Dynamic Lighting Conditions and Complex Background*," Journal of Pure and Applied Science, Anand, Gujarat, India (in Press).

Project Guidance:

UG Level:

- Ear Recognition
- Digital Image Watermarking
- Cricket Video Indexing
- Face Recognition using Principle Component Analysis
- Facial Expression Recognition from Still Images

PG Level:

- "Handwritten Character Recognition" (A.Y. 2010-11)

Experience:

- Working as a Lecturer in Department of Computer Engineering, G H Patel College of Engineering & Technology, Vallabh Vidyanagar, since 4th April '08.
- Worked as a Lecturer in Computer Department, Mahatma Gandhi Institute of Technical Education and Research Center, Navsari, from 25th Nov '06 to 3rd Apr '08 (1 Year, 4 Months).
- Worked as a Lecturer in Computer Department, STBS College of Diploma Engineering, Surat, from 24th Dec-2005 to 25th Nov-2006 (11 Months).
- Worked as a Lecture in Computer Engineering Department, All India Institute of Engineering, Surat from 5th May '05 to 23rd Dec '05 (7 Months).

Total Teaching Experience: 5 Year, 8 Month

Cup of Tea: Guitar Playing, Painting, Poetry, Photography, Coin Collection, Music, Reading...

Mahesh Goyani