Dr. Ajaykumar Jayantibhai Patel

Assistant Professor in Mathematics,
Government Science College,
Idar, Sabarkantha-383430
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I would like to be a part of the teaching-learning process, scientific research world especially in the fields of Mathematics where my technical, communicational skills along with the academic achievements can be effectively utilized for its boost and to give my best with full capability and determination.

Education

Ph.D. in Mathematics from Department of Mathematics, Hemchandracharya North Gujarat University, Patan (February 2018)
Investigation on Some Problems in Mathematical Modeling of Life-Sciences

M.Sc. (Pure Mathematics) with 79.47% from Department of Mathematics, M.S. University, Baroda, during (July 2003 - April 2005).
B.Sc. (Mathematics) with 79.28% from M.N.College , Hemchandracharya North Gujarat University, Patan, during (July 2001 - April 2003).

Professional Positions

Assistant Professor in Mathematics: Government Science College, Idar **(15ᵗʰ Nov 2014 till date)**

- Profound knowledge of Mathematics and ability to teach the subject for all sorts of students.
- Excellent communication and written skills as well as ability to explain the text.
- Regularly update your course content to reflect the latest developments in your field. Engage with current research and integrate cutting-edge theories and practices. Ability to plan, collect material and deliver the lessons in the class.
- Proficient at arranging the competitions and assessing the performance of the students.
- Enrich your curriculum by incorporating interdisciplinary perspectives. This approach encourages critical thinking and creativity among students.
- Use educational technologies to enhance learning. Platforms like EdTech offer innovative solutions for interactive learning experiences.

Assist. Prof. in Mathematics : Sankalchand patel college of Engimeering, Visnagar **(10ᵗʰ Sep 2011 to 14ᵗʰ Nov 2014)**
Lecturer in mathematics: Swami Sachchidanand Polytechnic College, Visnagar**(7ᵗʰ jun 2007 to 9ᵗʰ Sep 2011)**

Profile

Core Competencies
- Time management, Research Management, Research Data Compilation, Documentation/Reports, Process Improvement, Cross-functional Coordination, Team Management, Strong Analytical Skill

Publications
- Twenty-five (**07**) Publications in international journal of reputes:
  For Detail Please refer Annexure 1

Conferences / Seminars/Workshops
- Attended and/or participated in two (**02**) International conferences
- Attended and/or participated **9+** national conference/seminar/workshop

Special Achievement

Gold Medal:
- Two Gold Medal awarded in 54th Annual Convocation of M.S. University held on 8th oct 2005

Scholarship:
- Awarded Prof. V.M. Shah Prize **(11st March 2006)**
- **Awaeded Dr. M.S.Patel Post graduate scholarship(11st March 2006)**
- **Awarded Dr.C.S.Patel Cash Prize(11st March 2006)**

CSIR-UGC Test:
- Successful in Joint CSIR-UGC Test for junior Research Fellowship and Eligibility for Lectureship NET two times(18th june 2009 and 30th july 2010)

Personal Details

Date of Birth: 4th Oct 1982
Marital Status : Married;
Languages known: English, Hindi, Gujarati

Information provided is authentic and sufficient but will be glad to furnish any more if needed.

Dr. A. J.Patel

Annexure 1

Sr. No.	Article Detail
1.	Mathematical modeling of Swine flu (H1N1) disease Ajay J. Patel, Dr.M.B.Prajapati, Dr.P.H.Bhathawala Published in IOSR Journal of Mathematics Vol.12,Issue 4, Ver.5 Jul-Aug 2016 with ISSN: 2278-5728.pp.10-14
2.	Estimation for Future Population Growth of China by Using Logistic model Patel Ajay J., Dr. M. B. Prajapati Published in Int. Jou. Of Sci. & Engi. Deve. Res.(IJSEDR) Volume 1 Issue 9,September-2016 with ISSN:2455-2631.pp.52-56
3.	Growth in Literacy of India by Using Logistic Model and Divided Difference formula Patel Ajay J., Dr. M. B. Prajapati Published in Int. Jour. Of Sci. Res. & Edu.(ijsae) Volume 4,Issue 9 September 2016 with ISSN :2321-7545.pp.5922-5927.
4.	Mathematical model for Future Population Growth of Srilanka Presented in Int. Confe. On Res. Inno. In Sci. and Engi.(ICRISE) Patel Ajay J., Dr. M. B. Prajapati 12 March 2017 in vadodara is Published by Asso. For Sci. and Acad. Res.(ASAR) with ISBN:9788192958040.
5.	Study on Laplace Transformation and its applicationin Science and Engineering Field Dr. Ajaykuar J. Patel International Journal of creative research Thought, Volume-8, Issue-5 may-2020 ISSN-2320-2882.
6.	INVENTORYMODELFORINSTANTANEOUSDETERIORATINGITEMSWITHSTOCK-DEPENDENT DEMANDFORPOSTCOVID 19 RECOVERY Dr. K.D.Rathod, Dr. A.J.Patel Presented in NCAMRT-2024, ISBN:978-81-966038-4-7.
7.	Construction of model to show Growth in Literacy (Gujarat) by Using some formulas andequation of Mathematics Dr. A.J.Patel, Dr. K.D.Rathod Presented in NCAMRT-2024, ISBN:978-81-966038-4-7.