

MIT KUMAR PATEL

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To carry out research and development activities as an active member of the team towards the accomplishment of the organizational goals, to achieve success in my career, and prove to be an asset to the organization and the society.

EXPERIENCE

Instruction Student Assistant cum Laboratory Supervisor, Physics Department,

CALIFORNIA STATE UNIVERSITY, FRESNO CAMPUS, USA

January 8, 2024 – Present

- **Tutoring and Teaching Assistance:** Provide support to students by tutoring in physics concepts and assisting with practical exercises during lab sessions.
- **Laboratory Supervision:** Oversee the setup, operation, and safety of laboratory experiments, ensuring smooth functioning during practical sessions.
- **Inventory and Lab Maintenance:** Manage and maintain the stock of lab equipment, ensuring all instruments are in working order and properly stored.

President of International Student Association,

CALIFORNIA STATE UNIVERSITY, FRESNO CAMPUS, USA

January 8, 2024 – Present

- **Leadership and Advocacy:** Represent international students' interests to the university administration and ensure their concerns are addressed.
- **Event Planning:** Organize cultural events, workshops, and social activities to foster community and integration among international students.
- **Team Management:** Lead the ISA team, delegate tasks, and collaborate with other campus organizations to support international students.

RESEARCH & INNOVATION MENTOR,

GOKUL GLOBAL UNIVERSITY, SIDHPUR, GUJARAT

December 1, 2022 – October 6, 2023

- Teaching research methodology and guiding ongoing research projects for students at various academic levels.
- Enhancing laboratory facilities and mentoring students in the field of physical chemistry, with involvement in training and placement activities.
- Guiding students on innovative projects and preparing them for final year research

- projects.
- Conducting lectures, laboratory sessions, and maintaining administrative work.
- Evaluating and advising students on academic and career-related matters.
- Collaborating with colleagues to address teaching and departmental issues.

ASSISTANT PROFESSOR,

HCET- GOKUL GLOBAL UNIVERSITY, SIDHPUR, GUJARAT

August 2, 2021 – November 30, 2022

- Teaching Courses: Instructing courses in Theoretical Physics, Electronics, CSPC, DAA, and database management for B.Tech., M.Tech. and B.Sc. students.
- Curriculum Development: Contributing to curriculum development, ensuring alignment with academic standards and industry needs.
- Student Evaluation: Assessing and guiding student performance, providing constructive feedback.
- Research and Development: Overseeing labs and engaging in research relevant to the department.
- Training and Placement: Assisting students in career preparation and job placement activities.
- Academic Advising: Offering guidance on course selection, career paths, and research opportunities.
- Scholarly Research: Conducting research and contributing to academic publications.
- Departmental Collaboration: Actively participating in departmental meetings to address academic and administrative matters.

EDUCATION

JULY 2019 - JULY 2021

MASTER OF SCIENCE IN PHYSICS (THEORITICAL),

HNG UNIVERSITY, PATAN, GUJARAT -384265

Division/Class:-1st

JULY 2016 – JULY 2019

BACHELOR OF SCIENCE IN PHYSICS,

HNG UNIVERSITY, PATAN, GUJARAT -384265

Division/Class:-1st

SKILLS & ACTIVITIES

- | | |
|---|-------------------------------|
| • Python Programming | • LabVIEW |
| • C Programming | • Electronics Troubleshooting |
| • Machine Lab Operations (Soldering to Heavy Machinery) | • Automation Systems |
| • Circuit Design | • Manual Machinery Operation |
| • PCB Design | • Data Acquisition Systems |
| • Microcontrollers | • Physics Simulations |
| • Digital Electronics | • Computational Physics |
| • Analog Electronics | • Electronics Modeling |
| | • 3D Modeling (CAD Software) |

- Signal Processing
- MATLAB, Mathematica
- MS Office, ERP
- Team Leadership & Communication
- Technical analysis & Technical Support
- Control Systems
- Innovations and research
- Teaching
- Mentoring
- Subject Knowledge

PUBLICATIONS/ RESEARCH PAPERS

- Using Different Densities Solution Determination of Absorption Coefficient by A Simple Experiment Setup - 2021 - Mit Patel International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 9, Issue 3, March -2021, Impact Factor: 7.429, Available online at: www.ijaresm.com
- Project Work on Phase shift using IC 741

AWARDS

- **Teaching excellence award (Year 2022)**
- **Innovation in Teaching Award (Year 2022)**
- **University Resource Person of the Year Award (Year 2023)**

ONGOING PROJECTS

- Transparency in Education
- ATM (Any Time Medication) Machine

CONFERENCE & WORKSHOP

- State-level Online Seminar on the occasion of “Celebration of National Science Day “Organized by Department of Physics, Government Science College, Gandhinagar, India, 27th & 28th February 2021
- The Physics Webinar: -“Stay Home, Enjoy Physics” jointly organized by Indian Association of Physics Teacher(IAPT) RC-7 (GUJARAT), ESSENCETECH, GUJCOST, GUJARAT, INDIA, 6th-12th April 2020
- Quiz competition on chemistry, organized by department of chemistry, faculty of science national urban institute of Science, Ganpat University, kherva, Gujarat, India with securing 94% marks, Gujarat, India, 30th June 2020
- A national level quiz on basics of probability and statistics organized by vaagdevi institute of technology and Science, proddatur, Andhra Pradesh, India on 25th June 2020 and scored 100%
- "Essential concepts in chemical sciences" organized by subject: chemistry of Center of education IITE on 15th and 16th April 2020
- "Gravitational waves new window on the universe and particle physics" organized by the department of Physics in collaboration with internal quality assurance cell V.S. Patel College of Arts & Science, bilimora, Gujarat, India on 4th and 5th May 2020
- "State level quiz competition on commerce" organized by Government arts and commerce College, Fort - Songadh, Gujarat, India in collaboration with the department of commerce on date 29th may, 2020 with score of 95%

- National Webinar on "Astronomy and Astrophysics" organized by Department of Physics, Christ College, Rajkot, Gujarat, India on 4th June 2020
- National level quiz on "Quality Management Practices used in Industries" dated from 20th - 25th June 2020 organized by department of Mechanical Engineering, Lokmanya Tilak College of Engineering, Navi Mumbai, India and score 95%
- Webinar on " Striking a Balance Between Physics Learning and Approaching Competitive Exams " jointly organized by the Department of Physics and electronics, St. Xavier's College (Autonomous), Ahmedabad, and ESSENCETECH, held during 28th - 30th April 2020
- A Travel for Scientific Indian Minds, jointly organized by Department of Physics Saurashtra University, Rajkot, Department of Science & Technology, Government of Gujarat (DST), Gujarat Council on Science & Technology (GUJCOST) & Essencetech held from 21st - 29th May 2020

REFERENCES

- **Dr. Douglas Singleton**
Professor of Physics, Department Chairman, and Undergraduate Advisor
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- **Dr. Vedvyas Jayprakash Dwivedi,**
Vice-President, Indus University, Ahmedabad, Gujarat
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(+91) 9825- 234-361
- **Prof. Uday Trivedi,**
L. D. Engineering College, Ahmedabad, Gujarat.
Special Duty with i-Hub (Gujarat Student Startup and Innovation Hub) (chairperson).
[office- ihub@gujarat.gov.in](mailto:office-ihub@gujarat.gov.in)
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- **Mr. M. C. Chaudhari,**
Head of Department of Physics, Sheth. M.N.Science College, Patan, Gujarat
(+91)99785 96653

More References will be available upon request

Signature

mit patel

Mitkumar I. Patel