

CURRICULAM VITAE



MAULIK KAMLESHBHAI DESAI
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Subject : - Physics (PGT)

Career Objective

To secure a responsible career opportunity to contribute my teaching and practical knowledge to the students, at the same time achieving the organizational objective with the attribute of time, quality and discipline.

Core qualifications:

- Specialization of physics is teaching experience in 11-12 CBSE, IGCSE, and ICSE education board.
- Hands on instruction, Critical and analytical thinking
- Complex problem solving, time management
- Learning styles assessments, Performance assessments
- Expertise skill in physics subject about competition examination such as JEE main , JEE advance, EMSAT and PISA, medical entrance.
- Develop a skill for solve the application base numerical and concept wise numerical method (STEM model work)
- Sound knowledge of Physics experimental methods and technique for achieving efficient and precise outcome.
- A systematic and logical implement with abilities in dealing with students.
- Utilizing various appropriate educational technologies to engage students and enhance their learning knowledge.
- Prepare an accurate lesson planning with highly effective learning method in Physics class room.(Bloom taxonomy/ competition based learning method)
- Digital Teaching Learning using different applications and Pen tablet.
- Result and conceptual based learning skill, class room management skill, parents meeting organized skill, record of students performance as per formative and summative evaluation.

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Academic Work Experience

Sr.No.	Year	School Name	Designation
1	January 2021 to continue	Nirma vidya vihar , Bodakdev CBSE Board	PGT PHYSICS
2	January 2019 to December 2020	Abudhabi Secondary School -495 , MINISTRY OF EDUCATION Board	PGT PHYSICS
3	May 2017 to December 2018	The H.B.Kapadia New High School CBSE BOARD	PGT PHYSICS
4	June 2014 to April 2017	Swayam Cambridge International School AS / A/ IGCSE LEVEL PHYSICS Cambridge Board	PGT PHYSICS
5	June 2013 to May 2014	KJIT Engineering College CBSE LEVEL	Physics Lecturer
6	May 2010 to July 2011	Vikram A. Sarabhai Community Science Centre	Science Communicator

Experience details:

❖ Nirma vidya vihar (CBSE Board) (January 2021 to continue)

- Teach in 10,11,12 science with physics subject
- Experimental teaching method
- Make effective worksheet as per standard wise and lesson planning method
- Teach to conceptual and application based teaching skills
- Asses the formative and summative assessment
- Field trip and competition based exam preparation
- Attend and effective way communication with parents in parents meeting
- 3d animation and program based teaching method
- Teach with augmented reality and virtual based learning method
- Use the appropriate way digital teaching learning method
- Encourage all students to be actively engaged in their own learning and interviewing progress against target.

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- ❖ **Abu Dhabi Secondary School – 495 (MOE –UAE) (5, January 2019 – January -2021)**
 - To conduct the IX to XII (cycle -3) with effective teaching method in class room.
 - Use the effective worksheet as per standard, conceptual based teaching method
 - Follow the accurate time – table and prepare the performance report as per Student Assessment skills.
 - To maintain the daily report and weekly report and submit to coordinator and supervisor
 - To apply appropriate way lesson plan method in class room.
 - To teach the subject as per curriculum.
- ❖ **The H.B. Kapadia New High School CBSE Board (May 2017 – December 2018)**
 - Select appropriate teaching material, books and course content
 - Maintain laboratory and classroom equipment, ensuring calibration and proper usage
 - Prepared and delivered lecture to IX to XII standard students on physics.
 - Encourage to all students for competition exams such as (PISA, JEE, NEET, SAT, EMSAT)
 - Prepared the weekly report, daily report, periodic test, annual exam.

Academic Qualification

Degree	Passing Year	University	Grade
M.Sc. Physics	APRIL 2013	The Maharaja Sayajirao University, Baroda	B+
B.Ed.	APRIL 2015	Gujarat University	A+
B.Sc. Physics	APRIL 2009	Gujarat University	B+

Industrial/ organization seminar visit Experience:-

Company/industry/Organization	Location	Work Area
Sahjanand Laser Technology	Gandhinagar	Laser Technology, Scrap collection method
Rotten Shah Company	Vadodara	Semiconductor, Thermistors, Triode
National Thermal Power Station Ltd.	Madhya Pradesh	Thermal Power Station by coal
Torrent Power Limited	Ahmedabad	Thermal Power plant
ISRO	Ahmedabad	Remote Sensing / Spectrum Technology
PRL	Ahmedabad / Jaipur	Solar Observation / Nuclear Physics / Astro Physics
IIT	Kanpur/Mumbai/Gandhinagar	Theoretical Physics and Nuclear Physics
Karnavati University	Ahmedabad	STEM models

- Participation in one day seminar on “Nuclear Technology for Raising Standard of Living” organized by Sardar Patel University, co-Sponsored by BARC.
- Participation in one day seminar on “ Frontier in Physics ”, jointly organized by PRL, Indian National Science Academy and Indian Association of Physics Teacher at PRL
- Participate in Poster presentation on “Polymer Membrane” in XXVI Gujarat Science Congress Baroda.
- Participation in various kind of professional Teachers Training (CBSE Teacher Training, research on Physics Teacher Training, MOE Teacher Training)

❖ **Other professional Accomplishment :**

- **Mentor ship:** Science exhibition 2022 -2023 – topic on satellite communication
- **Poster presentation:** Robotic Physics, publishing on Science exhibition 2008.
Guide: H.H. Rathod. Dr. M.N Soni
- **Project work:** As a project work on ‘ Pressure study See back effect ‘
- **Model presentation :-** Topic on satellite communication and rocket launchers using pressure head , Bernoulli’s principle and its application.
- **Theoretical presentation:** Explanation on thermodynamics and nuclear physics, Carnot cycle, equip ration energy and nuclear fission and nuclear fusion.

❖ Honor's award:

- Science excellence - 2008 , poster presentation , the subject robotic physics, thermodynamics, optical communication, electronics equipment.
- Digital scientific drawing and speech competition – 2009
- Different type educational certificate achieve from teacher training center , Alef academy, MOE UAE, UAE university

❖ Skill :

- Reading skill, content developing skill, communication skills
- Content developing skill
- Classroom management skill
- Refer various type of reference books such as Physics today, feman book, Concept of HC verma, glance book, Halliday resnic and walker, Quantam mechanics, electro magnetics and dynamics, optics , thermodynamics by Zeeman, AS/ A /IGCSE physics endorsement book by Cambridge and oxford physics AP books, University Physics.Person's physics problem, crotoy physics problems , Principle of physics by s.chand
- Formative and Summative assessment applications.

❖ Technical skills:

- MS Access, MS EXCEL, power point presentation, MS word for performance report
- MS word, Adobe PageMaker, open office for content writing as well as paper making
- CorelDraw, MS Paint , Power point presentation, Maya, Mac, Application maker, slide maker, video maker with editor, Adobe Photoshop, for graphical method
- Content develop use writing application, Origin, PHET simulation , simulation developer
- Work on robot making on aurdino version and work on python and C++ programming language
- Short 2- D and 3 –D animation makers (only Physics)
- Class activity experimental project model maker, lab activity experimental project model maker, textbook based experimental model maker, virtual lab activity with augmented reality. Work on 360 program which help to made 3 –d animation model
- Formative assessment report maker as per curriculum
- Summative assessment report makers as per curriculum.
- Google form, Google question paper, Google application based material makers.
- Live and virtual based worksheet and paper maker.
- Education activity hands –on experimental teaching method

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- Digital portfolio user , Video conference : skype, Microsoft team, Microsoft whiteboard
- Expertise in presentation developer and application developers

❖ **Language:** English, Hindi, Gujarati

❖ **Personal Information**

- Date of Birth: 24-05-1988
- Marital Status: Married
- Hobby: Reading books, Watching movies, Traveling
- Languages Known: English, Hindi, Gujarati
- IELTS language : yes
- Address: 8/81 Mangalmurti Apartment, Opp. Naranpura Telephone Exchange, Naranspura, Ahmedabad, Gujarat, India
- Email: desai_maulika1@yahoo.com / talking2mauliksir@gmail.com
- Contact Number: +91 8780529094
- International teaching experience : Yes (United Arab Emirates)

Declaration:

I hereby declare that all details furnished above are true to the best of my knowledge.

Place: Ahmedabad

Maulik Desai