



**BHARATI VIDYAPEETH
RABINDRANATH TAGORE
SCHOOL OF EXCELLENCE**

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To Whomsoever It May Concern

It is my absolute pleasure to write this letter of recommendation for Dev Kunal Turakhia, whom I have taught Chemistry from Grade 9 through Grade 12 at BVRTSE. Over these years, I have witnessed Dev evolve from a shy and hesitant learner into a confident, independent, and intellectually vibrant young scientist. His transformation, both academically and personally, has been extraordinary, and it has been a privilege to guide and observe his growth.

From the very beginning, Dev displayed a natural curiosity for Chemistry that stood out. What began as a fascination for home experiments soon matured into a disciplined scientific temperament. Over the years, Dev transformed from being merely confident to being genuinely passionate about Chemistry, driven not just by the thrill of reactions but by a desire to understand, analyse, and apply chemical principles with depth and accuracy.

A significant academic turning point for him was mastering qualitative analysis. Initially, sequential ion tests posed a challenge, but Dev embraced the process with perseverance. Through rigorous practice, he began performing anion - cation tests with the precision and confidence of an advanced learner.

In the laboratory, Dev's precision is extraordinary. His titration accuracy consistently matches the supervisor's results, often within an impressively narrow error margin. Whether performing acid-base or redox titrations, he demonstrates perfect burette control, sharp endpoint identification, and exceptional consistency in obtaining concordant readings. His practical reliability is so strong that his titration values are often used as reference points for the class.

Dev extended this passion for Chemistry beyond the curriculum through ReWIRE, our school's research-based scientific program. For his ongoing project on silver nanoparticles, he has shown remarkable independence in designing experiments, analysing reaction feasibility, and interpreting his results with scientific maturity. He also demonstrated commendable confidence while performing electrophoresis during a school outreach workshop at IISER Pune, showcasing not only his technical skill but his comfort in advanced laboratory settings.

Further, Dev carried out research-related experimental work at the Rajiv Gandhi Biotechnology and Information Technology College, Pune. His professionalism, laboratory safety awareness, and conceptual clarity deeply impressed the professors and postgraduate students supervising him. He was appreciated for his understanding of instrumentation, handling of sensitive materials, and his ability to follow complex protocols with precision, reflecting the competence of an early undergraduate researcher.

Dev's scientific reasoning is equally impressive. He independently applies concepts such as entropy changes and Gibbs free energy calculations to determine the feasibility of reactions,



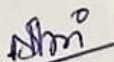
demonstrating analytical maturity uncommon at the high-school level. His questions reveal depth, originality, and confidence in applying thermodynamics to real-world problems.

Beyond academics, Dev is a highly versatile and well-rounded student. He is a nationally ranked tennis player, enthusiastic football and basketball player, Sports Captain, Science Challenge leader for two consecutive years, BMUN Rapporteur, TED-Ed speaker, and an intern at multiple organisations including a biotechnology manufacturing facility. His ability to balance rigorous academics with excellence in sports, leadership roles, and internships speaks volumes about his discipline, time management, and intrinsic motivation.

Dev embodies the qualities universities seek in strong applicants: intellectual curiosity, scientific creativity, resilience, leadership, humility, and initiative. His blend of academic strength, research aptitude, athletic excellence, and emotional maturity makes him one of the most exceptional students I have had the privilege to teach.

I strongly and wholeheartedly recommend Dev for admission to your institution. I am confident that he will continue to excel, innovate, and contribute meaningfully in any academic or research environment he becomes part of.

Sincerely,



Dr. Nalini Saxena

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