

Dr. Ajit Kumar

Contact Information

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Summary of Expertise

Dr. Ajit Kumar is a dynamic professional with extensive experience in **Mechanical Engineering**, **Physics (IIT JEE/NEET foundation)**, **Academic Leadership**, and **Educational Consultancy**. He holds a Bachelor of Engineering in **Mechanical Engineering** from Visvesvaraiya Technological University and is the **CEO and Founder of Ruth Edutech LLP, Ruth Publications, and Ruth Consultancy Services**. His research focuses include the design of a throttle valve for IC engines, for which he has also applied for a patent. Dr. Kumar is a recognized contributor to the academic community, serving as a **Reviewer in Novelty journals** and having been awarded an **Honorary Doctorate and Lifetime Membership** from the World Peace Institute of United Nations (WPIUN).

Key Speaking & Academic Appointments

Dr. Kumar has been frequently invited as a speaker and advisory board member for prestigious events, recognizing his expertise in research and education:

- **Keynote Speaker Nomination:** National Conference on Multidisciplinary Approach in Engineering, Science & Management (Trinity Academy of Engg, Pune, February 2023).
- **Keynote Speaker Nomination:** National Conference on Advancements and Future Trends in Engineering & Technology (Sambram Institute of Technology, Bangalore, May 2023).
- **Keynote Speaker:** International Conference on Viksit Bharat: Navigating the Path to Development Excellence (SMCCOM, Secunderabad, 2024).
- **Honoured as Guest and Resource Person:** International Association of Research and Development Organization (June 2023).
- **Advisory Board Member:** Invited to join the Advisory Board for the 3rd International Conference on Engineering, Management and Social Sciences (ICEMSS-25, Goa, December 2025).

- **Participation/Attendance:** Attended and published papers at numerous international conferences on multidisciplinary research trends (IRTEC 2.0 2024) , advanced research methods (MRD 2.0 2024) , and engineering management.
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Publications and Research

- **Published Author:** Has written academic books including one on **Thermal Engineering** for diploma students and others on **Environmental Science** (5th standard) and **Physics** (10th Standard CBSE).
 - **Research & Patent:** Currently conducting research in the **design of a throttle valve** by using a pressure concept to analyze stress variation in an IC engine, and has **applied for a patent**.
 - **Journal Contributions:** Published papers in international journals on topics such as:
 - Medical Equipment's (February 2022)
 - First Aid Treatment with Modern Techniques (February 2022 and March 2022)
 - Astrophysics (International Conference on Viksit Bharat)
 - Throttle valve of IC engine
 - **Reviewer:** Awarded the **Certificate of Excellence in Reviewing** for the *Journal of Advances in Medical and Pharmaceutical Sciences* and selected as a Reviewer in Novelty journals.
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Selected Professional Experience (Education & Management)

- **CEO and Founder** of Ruth Edutech LLP, Ruth Publications and Ruth Consultancy Services.
 - **Operations Manager** in INGENIUM EDUTECH Pvt Ltd (Feb 2022 – September 2023).
 - **Administration Officer and Academic Head** in Centurion International school, Yadgir (Jan 2024 – Jun 2024).
 - **Vice Principal** at M Srinivas International Public School, Hanakere, Mandya (Jun 2021 – Jun 2022).
 - **In-Charge Principal** for Nivedita School of Nursing, Yadgir (Aug 2019 – Jun 2021).
 - **Worked as a lecturer** in diploma Mechanical Engineering (2018 June - 2020 August).
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Awards and Recognition

- **Excellence in Modern Pedagogy Award** (Dr. Sarvepalli Radhakrishnan Memorial National Awards – 2025 nomination).
- **Rabindra Ratna Puraskar 2024** in the field of education (nominated from Karnataka state).

- **Outstanding Contribution in Research and Development** (Indian Eminent Awards-2023).
 - **Charge Maker of the Year in Higher Education** (Cheran College of Engineering).
 - **Best Young** under the category of **PRIDE OF INDIA AWARDS 2022 IN ACADEMIC EXCELLENCE**.
 - **Awarded as a Technopreneur 2017** (runner up from Lead campus Deshpande foundation Hubli).
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Education

- **Bachelor of Engineering (Mechanical)**, Visvesvaraiya Technological University (62%).
 - **Diploma (Mechanical)**, Department of Technical Educational Board (68.1%).
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Potential Speaking Topics

- **Modern Techniques and Methodologies in Engineering and Science Research.** (Based on his numerous conference attendances and papers).
 - **Educational Technology and the Future of Learning.** (Based on launching the Ruth Consultancy Services Education app and running an Edutech company).
 - **Analysis and Design of IC Engine Components: The Throttle Valve Research.** (Based on his patent-applied research).
 - **Strategies for Academic Excellence in Foundation Classes (IIT-JEE/NEET).** (Based on his experience as physics faculty for these classes).
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