

Mrs. Minal Amol Aaeer



Designation: Assistant Professor,
Dr. D.Y. Patil Biotechnology & Bioinformatics Institute,
Dr. D.Y. Patil Vidyapeeth, Pune

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EDUCATIONAL QUALIFICATIONS:

M.E. in Mechanical Design Engineering (2017) –Anantrao Pawar college of Engineering & research Technology, Savitribai Phule Pune University. - **First class with Distinction**

B.E. in Mechanical Engineering (2012) – Dr. J.J. Magdum college of Engineering, Jaysingpur – Shivaji University Kolhapur. **First class with Distinction.**

Higher Secondary in Science (2008) – H.S.C. Board of Secondary Education (Maharashtra) – **First Class**

Secondary School Certificate (2006) -S.S.C. Board of Maharashtra. -**First Class with Distinction**

POSTGRADUATE PROJECT:

Strength analysis of Hybrid (Bolt- Adhesive) joint- (2016-2017)

UNDERGRADUATE PROJECT:

Pneumatically operated plastic moulding machine. (2011-2012)

EMPLOYMENT EXPERIENCE:

Trainee Engineer, Perfect Pin, Kolhapur (July 2012-Oct 2012)

Industrial Trainer, Yashswi Institute of Technology, Chinchwad (Nov 2012 -July 2013)

Lecturer, Pimpri Chinchwad Polytechnic, Akurdi, Pune- Department of Automobile

Engineering, Maharashtra State Board OF Technical Education (July 2013-Oct 2018)

Assistant Professor (Visiting), Dr. D.Y. Patil Biotechnology & Bioinformatics Institute,
Dr. D. Y. Patil Vidyapeeth, Tathawade, Pune (Aug 2019-Dec 2019)

Assistant Professor, Dr. D.Y. Patil Biotechnology & Bioinformatics Institute, Dr. D. Y.
Patil Vidyapeeth, Tathawade, Pune (Aug 2020-May 2022)

Assistant Professor, Dr. D.Y. Patil Biotechnology & Bioinformatics Institute, Dr. D. Y.
Patil Vidyapeeth, Tathawade, Pune (Aug 2025-present)

FIELD OF SPECIALIZATION: Design Engineering

Auto cad, Catia, Creo. SAP-MM

TRAININGS:

1. 3 days Teachers Training workshop on Creo software by MSBTE at Pimpri Chinchwad Polytechnic, Akurdi.
2. 1 Day “G” scheme orientation program for Subject Automobile Manufacturing processes.
3. Attended National Level seminar on Entrepreneurship skills enhancement at Venutai Chavhan Polytechnic, Ambegaon.
4. Attended National Level seminar on Research Tools & Techniques at Imperial college of Engineering & Research, Wagholi.
5. Attended training program on Advanced Automobile Engine by BOSCH LTD.
6. Attended 1-week ATAL FDP on Electric Vehicle.

Membership in Scientific Societies:

Life member of THE INDIAN SOCIETY FOR TECHNICAL EDUCATION

ACADEMIC ACTIVITIES:

Teaching & Research Experience:

Industrial Trainer, Yashswi Institute of Technology, Chinchwad- To train Diploma students
for various industrial process/application under Yashwantrao Chavan Muktydyapeeth.

Lecturer, Pimpri Chinchwad Polytechnic, Akurdi, Pune- Department of Automobile

Engineering, Maharashtra State Board OF Technical Education

- Conducting Lectures/Practical's and work immensely for the overall development of the students by which good results can be achieved.
- Subjects taught like **Materials & Manufacturing Processes, Automobile Manufacturing Processes, Automobile Engine, Design of Automotive**

components, Transport Management & Computer Aided Drafting.

- ISO Coordinator of Automobile Department (2013-2018).
- Exam In charge for Automobile Department.
- Paper Setter/ Examiner for M.S.B.T.E.

Assistant Professor (Visiting), Dr. D.Y. Patil Biotechnology & Bioinformatics Institute, Dr. D. Y. Patil Vidyapeeth, Tathawade, Pune (Aug 2019-Dec 2019)

- Subjects taught **Mathematics-1** and **Engineering Graphics** for B.Tech Biotechnology, B.Tech Medical Biotechnology and Master in Integrated Biotechnology – Sem 1
- Paper Setter/ evaluator for same subjects under DPU.

Assistant Professor, Dr. D.Y. Patil Biotechnology & Bioinformatics Institute, Dr. D. Y. Patil Vidyapeeth, Tathawade, Pune (Aug 2020-May 2022)

- Subjects taught **Mathematics-1** and **Engineering Graphics** for B.Tech Biotechnology, B.Tech Medical Biotechnology and Master in Integrated Biotechnology – Sem 1
- Paper Setter/ evaluator for same subjects under DPU.

Assistant Professor, Dr. D.Y. Patil Biotechnology & Bioinformatics Institute, Dr. D. Y. Patil Vidyapeeth, Tathawade, Pune (Aug 2025-present)

- Subjects taught **Mathematics-1** and **Engineering Graphics** for B.Tech Biotechnology, B.Tech Medical Biotechnology and Master in Integrated Biotechnology – Sem 1

RESEARCH PAPERS IN PEER REVIEWED JOURNALS:

- Research Paper presented for National Conference (NCTR-2016) on the topic “A review on vibration analysis of a rotating shaft with transverse crack”.
- Research paper published in IJRITCC Journal, Volume 5, Issue 6, ISSN:2321-8169 on the topic “Strength Analysis of Hybrid Joint by FEA”.
- Research paper published in International Journal of Recent Trends in Engineering & Research, Vol 3, Issue 11, ISSN(ONLINE):2455-1457 on the topic “Application of Taguchi method for optimization of knuckle joint”.
- Research paper published in International Journal of Advance Engineering & Research Development Technophilia-2018.Vol 5, Special Issue 04 on the topic “Modern Automatic Human less Guided Vehicle”.
- Research Paper published for International conference on the topic “Design and static analysis of I-section frame for automobile chassis”.
- Research paper submitted to National conference (NCTR 2017) on the topic “A review on optimization of drive shaft by 2 different composite materials”.
- Research paper submitted to National conference (NCTR 2017) on the topic “A review on optimization of leaf spring by composite material”.
- Research Paper presented for Mech- PGCON (2017) on the topic “Strength analysis of Hybrid joint”

Book:

- Published book at LAP LAMBERT Academic Publishing titled “**Strength Analysis of Hybrid (Bolt- Adhesive) Joint**” ISBN:978-613-9-90270-5