

RESUME

Name : Dheeraj Shahaji Lengare
Qualification : **M.Tech (Design Engineering)**
Email : lengare27@gmail.com,
dslengare.auto@gcoeara.ac.in
Mobile : +919766379009
Date of Birth : March 22, 1988
Marital Status : Married
Address : GCOE&R, Awasari (khurd),
Tal. Ambegaon, Dist. Pune, Maharashtra-412405



OBJECTIVE:-

To achieve promising position that offers both challenges and hard work for upliftment of Organization and the Society.

WORK EXPERIENCE:-

1. Worked as Graduate Engineer Trainee at **TRINITY ENGINEERS PVT. LTD., CHINCHWAD, PUNE** in Vendor Development & Operations (6 months Experience).
2. Worked Post Graduate Engineer Trainee at **KAY BOUVET ENGINEERING LTD., SATARA** in Design Department.(August 2013- March 2014)
Key responsibilities:
 - 1) Study of Technical project, Cost estimation, manufacturing process and steps, preparation of Bill of material.
 - 2) Hand calculations regarding design of pressure vessel, heat exchanger, Calendria, Customers:
NPCIL, ISRO, R & DE (Dighi), LRDE
3. Worked as Assistant Professor (**UGC Approved**) in Mechanical Engineering Department at **SKN SINHGAD INSTITUTE OF TECHNOLOGY, LONAVALA, PUNE** (March 2014 – September 2016).
 - 1) Taught subjects **Design of Machine Element-I, Theory of Machines-I and Dynamics of Machinery** for 2.5 years.
4. Working as Assistant Professor (**MPSC Selected**) in Automobile Engineering Department at **GOVERNMENT COLLEGE OF ENGINEERING & RESEARCH, AWASARI(KHURD), PUNE** (October 2016 to till date).
 - 1) Taught subjects **Theory of Machines-I, Theory of Machines-II, Design of Engine Components, Kinematics of Machinery and Machine & Vehicle Dynamics**.
 - 2) Worked as **Subject Chairman** in Savitribai Phule Pune University for Subject **Design of Engine Components**.

- 3) Worked as **Question paper setter** for SP Pune University for subjects, **Design of Engine Components** and **Machine & Vehicle Dynamics**.
- 4) Worked **Syllabus setting co-coordinator** for subject **Machine & Vehicle Dynamics, Design of Engine Components, Design of Machine Components and Automotive Materials in SPPU Automobile 2019 pattern** syllabus setting.
- 5) Worked as Paper moderator for **MPPSC** technical exam.

SOFTWARES KNOWN:-

ANSYS (beginner), CATIA, AutoCAD, Turbo C, C++, Geogebra, MechAnalyser.

RESEARCH PUBLICATIONS:-

1. Published paper in **International Journal of Innovative Research & Scientific Studies (IJIRSS)**, 4(4) 2021, Pages: 205-214. ISSN:2617-6548 on topic **“Impact Energy Absorption Capability of polygonal Cross-section Thin Walled beam under lateral Impact”**.
2. Published paper in **International Journal of Engineering and Advanced Technology (IJEAT)** ISSN:3399-3405, Volume-9 Issue-3, Feb 2020 on topic **“Parameters Affecting the Specific Energy Absorption of Circular Side Impact Beam”**.
3. Published paper in **International Journal of Recent Technology and Engineering (IJRTE)** ISSN:2277-3878, Volume 8 Issue 6 March 2020 on topic **“Parameters of Side Intrusion Beam Affecting on Crash Force Efficiency During Impact”**.
4. Published paper on topic **“Design, Analysis & Manufacturing of Steering Column Test Rig”** in **“International Interdisciplinary Research Conference on Technology and Engineering Science”** March 2013 at Nashik.

TRAININGS COMPLETED:-

1. Participated in National Level workshop on **“Vibration Control & Monitoring”** held at Walchand College of Engineering, Sangli.
2. Participated in 2 days (23-24 Dec. 2016) workshop on **“Accreditation of Engineering Prorammes”** held at GCOEAR, Awasari (Khurd). Pune
3. Participated in 2 weeks (13-23 Nov. 2017) FDP on **“Recent Trends and Challenges in Material & Manufacturing Processes”** held at RIT, Sakhrale, Sangli.
4. Participated in AICTE-ISTE approved and sponsored 1 week (5-9 June 2018) FDP on **“Research Methodology and Patent Filing”** held at AIT, Vita, Sangli.
5. Participated in 1 week (Mar-April 2018) FDP on **“Foundation Program in ICT for Education”** held at IIT, Bombay.
6. Participated in AICTE-ISTE approved and sponsored 1 weeks (25-29 Nov. 2019) FDP on **“Assuring Success of Engineering Graduates”** held at RIT, Sakhrale, Sangli.
7. Completed online training on **“Hands on training on Solar Lamp Assembly”** from 1 May 2019 to 31 December 2019, conducted by **IIT, Bombay**.
8. Completed Swayam NPTEL Course on **“Kinematics of Mechanisms and Machines”** with **86% Score** in March 2020.

9. Completed Coursera Course on **Machine Design 1** from **Georgia Institute of Technology**.
10. **Outcome Based Education: A step towards Excellence** One Week (11- 15 May, 2020) at **GCOE, Karad**.
11. **Innovation, Entrepreneurship and its relevance in Industry 4.0 Practices in the Post Covid-19 Situations** One Week (25- 29 May, 2020) at **Terna Engineering College, Mumbai**.
12. **Product Design & Novelty** One Week (6- 10 June, 2020) at **Dr. Vithalrao Vikhe patil COE, Ahmednagar**.
13. **Applications of finite Element Analysis (FEA) and Computational Dynamics (CFD) using ANSYS** One Week (13- 17 June, 2020) at **GCOE, Karad**.
14. **Accreditation To Engineering & Professional Ethics** One Week (08- 12 July 2020) at **Government College Of Engineering Nagpur**.
15. **Sustainable Environment: An engineering perspective (SEEP:2020)** One Week (13- 18 July 2020) at **Assam College Of Engineering, Guwahati**.
16. **"Electric Mobility as a Future"** 25th Oct 2021 to 29th Oct 2021 at **Dr. D. Y. Patil Institute of Engineering, Management & Research Akurdi, Pune**.

EDUCATIONAL QUALIFICATION:-

1. Post graduation:-

College Name: **Walchand College of Engineering, Sangli** (2013 Pass out)

M.Tech CPI (Cumulative Performance Index) out of 10: **7.91**

2. Gate score:-

Gate 2011 Score: - 390 marks out of 1000

3. Engineering:-

College Name-**R.I.T. Sakharale, Islampur, Sangli** (2010 Pass out with no backlogs and throughout first class).

Sr.No.	Examination	University	Percentage
1	B.E	Shivaji University, Kolhapur	70.47
2	T.E	Shivaji University, Kolhapur	63.21
3	S.E	Shivaji University, Kolhapur	64.00
4	F.E	Shivaji University, Kolhapur	63.62

Engineering Aggregate: **65.47%**

4. Pre-Engineering:-

Sr.No.	Examination	Board	Year	Percentage
1	S.S.C	C.B.S.E	2004	64.50
2	H.S.C	C.B.S.E	2006	69.00

PG PROJECT:-

Design, Analysis & Manufacturing of Steering Column Test Rig: The Project is sponsored by **ARE Test Systems, Miraj**. The rig checks torsion & longitudinal fatigue of steering column. Longitudinal and torsion setup are located on the same test rig but with different fixtures. The rig was working on the principle of 4-bar mechanism. The design & development of the each component is done as per the requirements and the testing conditions. Results of the tests are shown in the digital formats.

UG PROJECT:-

Electro-spark Turbo Ignition System: Conventional electricity production in 2-wheeler is changed by the utilization of exhaust gas pressure, by using electro turbo. The removal of dynamo from crankshaft is done to decrease the load on the engine and to increase the efficiency of engine.

I hereby want to note that that above written is true up to my knowledge.

Pune

(LENGARE.D.S)

25/02/2022