# Resume

**KAMAL KOSTA**

48/4 Krishna Garment, Ganesh Nagar, Near SundarBai Marathe Vidyalaya, Wadgaon Sheri, Pune, Maharashtra-411014
Email:kamal.kosta@gmail.com
Mobile No.: 8148223568

## PER.S.ONALDETAILS

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|---|---|
| Father's Name: | Bharat Kosta |
| DateofBirth: | 02-02-1990 |
| Linguistic Proficiency: | English,Hindi |

## EDUCATION

| Degree/ Examination | Year of Passing | School/Institute | Board/University | Percentage /Grade |
|---|---|---|---|---|
| PhD (Energy Science and Engineering) | July 2019-Aug2021 (Left due to COVID) | Indian Institute of Technology Bombay | Indian Institute of Technology Bombay | 7.45(CGPA) Course Work |
| M.Tech. (Thermal Power Engineering) | 2015 | National Institute of Technology, Tiruchirapalli | National Institute of Technology, Tiruchirapalli | 7.9(CGPA) |
| B.E. (Mechanical Engineering) | 2012 | Institute of Technology & Management, Gwalior | Rajiv Gandhi ProudyogikiVishwavidyalaya, Bhopal | 74.66% |
| Class XII | 2006 | Govt. Boys Higher Secondary School Shiksha Nagar,Gwalior | Board of Secondary Education, Madhya Pradesh, Bhopal | 63.1% |
| Class X | 2004 | Govt. Boys Higher Secondary School Shiksha Nagar,Gwalior | Board of Secondary Education, Madhya Pradesh, Bhopal | 64.8% |

## EXPERIENCEDETAILS

| S.No. | Designation/Post | Organization Name | From Date | To Date | Salary (Per Month) |
|---|---|---|---|---|---|
| 1. | Assistant Professor | Sinhgad College of Engineering, Vadgaon (Budruk), Pune | 16/12/2021 | Till date | 45000/- |
| 2. | GATE Faculty | Brilliant Concept | 01/06/2018 | 30/06/2019 | 44000/- |
| 3. | Guest Faculty | Motilal Nehru National Institute of Technology,Allahabad | 02/01/2018 | 31/05/2018 | 41,000/- (Consolidated) |
| 4. | Guest Faculty | Motilal Nehru National Institute of Technology,Allahabad | 17/07/2017 | 15/12/2017 | 41,000/- (Consolidated) |
| 5. | Guest Faculty | Motilal Nehru National Institute of Technology,Allahabad | 08/08/2016 | 31/05/2017 | 40,000/- (Consolidated) |
| 6. | Assistant Professor | Rustamji Institute of Technology,BSF Academy, Tekanpur, Gwalior | 04/08/2015 | 30/06/2016 | 25,000/- |

## PROJECTWORK

**P.G PROJECT: DESIGN AND DEVELOPMENTOF POLYMER ELECTROLYTE MEMBRANE FUEL CELL**

Design and Development Of Polymer Electrolyte Membrane Fuel Cell, Which Convert the Chemical Energy of Fuel usually Hydrogen directly into Electricity without any intermediate steps of Classical, Chemical Combustion used in the normal process of Heat Extraction from the Fuel. One of the most attractive features of this system, apart from their high efficiency, isthat only Water, Heat, and Electricity are the products of Electro-Chemical Reaction in the Cell when Pure Hydrogen is used as aFuel.

**U.G PROJECT: COMPRESSED AIR BASE VEHICLE**

An air engine powers air compressed vehicle air stored in the tank. CAV use an expansion of compressed air to drive the piston. Our engine was 90 percent efficient. This kind of engine is called hybrid pneumatic electric propulsion. A solenoid valve was used, which was controlled by an electric current. The advantages of this engine are high torque forthe minimumvolumeofair, andmechanicaldesignisrobust and straightforward.

## INDUSTRIALTRAINING

**PERIOD:** 1 Month, from 20$^{th}$June 2011 to 18$^{th}$July 2011 in **DIESEL LOCO SHED, Jhansi**

## AREASOFINTEREST

- EngineeringThermodynamics
- Thermal PowerCycles
- Refrigeration
- HeatTransfer
- Fluid Mechanics
- Finite element method in the heat transfer analysis
- Computational Fluid Dynamics
    - Finite Difference Method
    - Finite Volume Method
- Advanced Fluid Mechanics

## SOFTWARE SKILLSET

- Languages: Basics of "C"
- Softwares: Basics of Solid Works
  MATLAB
  Ansys Fluent
  LaTeX

## ACADEMICACHIEVMENT&CO-CURRICULARACTIVITIES

- **Qualified** 2018 **Scientific officer 'C'** (Mechanical) written exam of **NISER Bhubneswar, Department of Atomic Energy, GOI.**
- **GATE 2017** Qualified With GATE Score511 and Marks 48.28.
- **GATE 2016** Qualified With GATE Score528 and Marks 47.1.

- **ESOL(EnglishforSpeakersofOtherLanguages)**Entry LevelCertificatein Business English from the University ofCambridge.

- TrainingProgramon**CNCTECHNOLOGY**fromIndoGermanTool Room,Indore(M.P.)

- Certificate of Appreciation in **6$^{th}$International and 43$^{rd}$National Conference on Fluid MechanicsandFluidPower(FMFP-2016)**inMNNITAllahabad.

- Certificate of Participation in One Day **Workshop on Experimental Approach in AnalyticalElectrochemistry(EAAE-2017)**inMNNITAllahabad.

- Certificate of Appreciation of **INTERNATIONAL MECHANICAL ENGINEERING CONGRESS-2014** in NITTiruchirappalli.

- The organizer of the Workshop on **ENGINE RESEARCH** and **RECENT TRENDS IN RENEWABLE ENERGY TECHNOLOGY** in NITTiruchirappalli.

- AssociateMemberof**THEINSTITUTIONOFENGINEERSINDIA(IEI)**

## DETAILS OF COURSESTAUGHT

| S. No. | Course Name | Level (UG/PG) | Number of times |
|---|---|---|---|
| 1. | Engineering Thermodynamics in RJIT | UG | 1 |
| 2. | Turbo Machinery in RJIT | UG | 1 |
| 3. | Refrigeration and Air Conditioning (ME 1701) in MNNIT | UG | 1 |
| 4. | Power Plant Engineering (ME 1847) in MNNIT | UG | 1 |
| 5. | Steam Power Engineering (ME 1504) in MNNIT | UG | 1 |
| 6. | Thermal Engineering (ME 1407) in MNNIT | UG | 1 |
| 7. | Internal Combustion Engine (ME 1605) in MNNIT | UG | 1 |
| 8. | Control of Automotive System (ME 2214) in MNNIT | **PG** | 1 |
| 9. | Engineering Graphics **Lab** (ME 12101)in MNNIT | UG | 1 |
| 10. | Thermal Engineering **Lab**-I (ME 1453)in MNNIT | UG | 1 |
| 11. | Thermal Engineering **Lab**-II (ME 1554)in MNNIT | UG | 1 |
| 12. | Thermal Engineering **Lab**-IV (ME 1751)in MNNIT | UG | 1 |