

**PARAG P. MANGAVE**  
**E-mail:**prg247@gmail.com  
**Contact:** +919422075648  
+917020770972

## **Objective**

To be an integral part of organization that provides an atmosphere of mutual growth and utilizes talent, potential to be an excellent in every field.

## **Summary**

- Versatile and creative professional good at taking initiative and logical thinking.
- Good communication, collaboration & interpersonal skills with proficiency in grasping new technical concepts quickly & utilizing them in an effective manner.
- Abilities in handling multiple priorities with a bias for action & a genuine interest in personal & professional development.
- Experience in handling college level projects.

## **Academic details**

<b>Qualification</b>	<b>University</b>	<b>College/School</b>	<b>Year of passing</b>	<b>Percentage</b>
Ph. D	BITS, Pilani	K. K. Birla goa campus	Pursuing	--
M.tech(Heat & power engg)	Shivaji University	RIT, Islampur (Autonomus)	2018	8.13(CPI)
B.E(Mech)	Shivaji University	SIT's College Of Engineering, Yadrav	2016	70.52
HSC	Maharashtra State Board	B.Z.H and junior College, Jaysingpur	2012	77.00
SSC	Maharashtra State Board	St. Alphonsa School, Yadrav(Ichalkaranji)	2010	88.36

## **Experience**

- Currently Working as a Assistant Professor in Automation and Robotics Department at SITCOE, Yadrav since 1<sup>st</sup> June 2022
- Teaching – 5 Years
- Industrial – 1 Year

## **Technical skills**

- Sound knowledge about different IC engines, biofuels, thermal processes, fluid dynamics, Computational Fluid Dynamics.
- Handson and Familiar with AUTOCAD, Solidworks, dynamics and structural Modules in ANSYS.
- Excellent Communication Skills.

## **Achievements/Accolades**

- Best Research Paper Award for Paper presented at RIT PGCON -2018 held at RIT, Islampur in Mechanical Engineering.

## **Publications(Journal & International Conferences)**

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- **Parag P. Mangave**, Vishal V. Patil, Nilesh D. Pawar, Ranjit S. Patil, Experimental investigations on emissions and performance of spark ignition engine fuelled with butanol-pentane-gasoline blends, Proceedings of the 9th International and 49th National Conference on Fluid Mechanics and Fluid Power (FMFP)December 14-16, **2022, IIT Roorkee**, Roorkee-247667, Uttarakhand, India
- Parit, Anirudh S; Shinde, Abhishek P; Vishwakarma, Dipak A; Mane, Rohit K; **Mangave, Parag P**; Utilising Esters as a Substitute Fuel in Spark-Ignited Engines: A Review, Journal of Fluid Mechanics and Mechanical Design (e-ISSN: 2582-9165), Vol. 5, PP. 27-31, **2023**
- Joshi, Sharvesh M; Patil, Shreyash S; Kinekar, Sanket B; Shah, Karan A; **Mangave, PP**; Mechanical Behaviour of Carbon Fibre Reinforced PLA (CFRP) Manufactured Using Fused Deposition Modelling Technique, Journal of Mechanical and Mechanics Engineering (e-ISSN: 2581-3722), Vol. 7, PP. 43-52, **2021**
- Agarwal, Prajwal P; Dadmode, Tejas S; Kadav, Mahesh R; Ogale, Amey P; **Mangave, PP**, Experimental analysis of mechanical properties of PETG material 3D printed material by using fused deposition modelling technique, J. Mech. Mech. Eng. Vol. 20, PP. 20-27, **2020**.
- **Parag P. Mangave**, Vivek P. Warade, Abhijeet P. Shah, “Numerical analysis of Drag reduction of blunt bodies at by using different conical spikes supersonic speed” , Journal NX, **2018**.
- Kartik N Arage, Akash B Banhatti, Prathamesh S Bodake, **Parag P Mangave**, “Enhancement of Heating Capacity of Solar Water Heater Using PCM (Paraffin Wax)”, Journal of Fluid Mechanics and Mechanical Design, Vol 2 Issue 4, 2022.
- Vrushaket R Shinde, Arihant S Bhendavade, Vasim A Mullani, Mahesh S Keru, **Parag P Mangave**, “Analysis of Mechanical Properties of Bio-Petg Material by Using Rapid Prototyping Fused Deposition Modelling Technique”, Journal of Mechanical and Mechanics Engineering (e-ISSN: 2581-3722), Vol. 8, **2022**.
- Parag P. Mangave and Pankaj J. Patil, **Tool Enigneering, A textbook for MSBTE diploma in Mechanical engineering**, Techneo Publication, ISBN-13 : 978-9355832153., **2022**

## **Research Interest**

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- Biofuels
- Fundamentals of combustion
- Internal Combustion engines
- Computational fluid dynamics
- Rapid Prototyping
- Mechanical Properties of Materials.

## **Paper Setter**

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1. Paper Setter for Subject Thermal Engineering at Government Polytechnic, Kolhapur.

## **Institutional Responsibilities**

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- Worked as additional officer incharge for Distribution centre 0968 for Summer 2022 Examination.
- Worked as Supervisor for examination semester of MSBTE, Mumbai for Diploma Engineering.
- Worked as evaluator for Winter 2018 Diploma Mechanical Engineering MSBTE exam.
- Worked as External examiner for MSBTE from W18 till now..
- Worked as Faculty Co-ordinator for Mechanical Engineering Students Association at SIT, Polytechnic, Yadrav.

## **B. Tech Dissertation**

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Successfully completed a project on “*Effect of Exhaust Gas Recirculation(EGR) for different Bio-fuels by using Variable Compression Ratio(VCR)Diesel Engine*”

## **M. Tech Dissertation**

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Successfully completed Post graduation project on “*Numerical analysis of Drag reduction of blunt bodies at by using different conical spikes supersonic speed*”

## **Projects Guided**

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- Successfully guided Diploma project on “Experimental analysis of 3D printed specimen by using FDM technique to determine mechanical properties of PLA material”.
- Successfully guided project of Diploma students on “Multi - Nozzle spraying machine”.
- Successfully guided project for diploma students on, Experimental investigation of mechanical properties of PETG material using rapid prototyping FDM technique.
- Successfully guided project for diploma students on, Experimental investigation of mechanical properties of BIO-PETG material using rapid prototyping FDM technique.
- Ongoing Project on Experimental evaluation of Performance and emission characteristics of different biofuels in SI engines.

## **Conferences Attended**

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- Fluid Mechanics and Fluid Power, held at IIT Roorkee, Uttarakhand India, 14-16 December, 2022
- Attended conference on modern research era in mechanical engineering held at RIT, Islampur in 2017
- Attended Post graduate conference PGCON -2018 held at RIT, Islampur.
- Fluid Mechanics and fluid power 2022- 9<sup>th</sup> International and 49<sup>th</sup> National conference, IIT Roorkee, 14-16 December 2022

## **Training programme & Workshops Attended**

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- Successfully completed one week training at Advance industries Gokulshirgoan MIDC, Kolhapur on “Advance Course on Basic Metrology & Geometrical Dimensioning and Tolerances”.
- Successfully completed one week workshop at GCE, Karad on “Benefits of Outcome Based Education & Research Methods, Report writing”
- Successfully completed one week Faculty Development Programme on, “Renewable energy Sources”, at Cummins college of engineering for women, Nagpur.
- Successfully completed one week course on Advanced diagnostics and combustion, at IIT Indore.
- Successfully completed one week Faculty development Programme on “Academic Writing and IPR” at Sharad Institute of technology, Polytechnic, Yadrav.
- Successfully completed training at Jagdish Iron and Steel India Pvt. Ltd. for a period of 15 days as P.G industrial Training.
- Successfully completed training at SUN AUTO COMPONENTS, Udgoan for a period of 15 days as U. G Industrial training.
- Successfully completed three days industrial training at SharadShakarisakharkarkhana ltd. Narande for a period of 3 days.
- Successfully completed one week faculty development programme on, “Advanced manufacturing with CNC”, at Sharad Institute of Technology, Polytechnic, Yadrav.

## **Extra-curricular activities**

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- Conducted blood donation camp Mahavir timber depot, Jaysingpur
- Worked as a member of Dr. RajendraPatil(Yadravkar) social foundation.

## **Personal Info**

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Hobbies: Playing volleyball.

Date of Birth: 16 August,1994.

Gender: Male.

Languages Known: English, Hindi and Marathi.

Permanent Address: A/P: 9, Shivaji housing society JaysingpurTAL:Shirol DIST:Kolhapur Pincode:416101

I hereby declare that the above written particulars are true and correct to the best of my knowledge and belief.

Date: 2023

Place: Yadrav

(Parag PremchandMangave)