

# PROFILE

1. **Name:** PRABHAKAR

Assistant Professor

Department of Mechanical Engineering

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## 5. Qualification:

S. No	Degree(UG, PG, PhD)	Specialization	Institute
1	Ph.D (Pursuing)	Mechanical Engineering	B.I.T sindri (affiliated to JUT)
2	M.Tech	Mechanical Engineering (Thermal-Fluid)	IIT Patna
3	B.Tech	Automobile Engineering	Delhi Technology University

6. **Area of Specialization:** Thermal -Fluid, I.C Engine, fuel characterization etc.

## 7. Subjects Taught:

I) **UG:-** Engineering Thermodynamics, Mechanical Vibrations, strength of materials, Heat Transfer, I.C engine, Management & Concept Techniques.

II) **PG:-** Finite element method, Industrial Tribology.

## 8. Teaching Experience:

Sl. No.	Position held	Name of Organization	From	To	Experience
1.	Assistant Professor	BIT Sindri,Dhanbad	04/01/2018	Present	6 yrs
2.	Ad-hoc Faculty	NIT Calicut	10/07/2017	07/12/2017	6 months
Total Experience(approx.)					6.5 yrs

## 9. Publications:

Sl. No.	Title of the paper	Name of the journal in which publication has been made	Vol/No.	Publication Year
01	To Verify Lift Force Generate by 3D Printed Unsymmetrical Airfoil at Zero Angle of Attack	International Journal for Scientific research & development (IJSRD)	ISSN : 2321-0613 Vol-07, Issue-03	2019
02	Low reynolds number flow simulation of moving airfoils using immersed boundary method	International Journal for Research and analytical Reviews(IJRAR)	P-ISSN: 2349-5138, Vol-9, Issue-2	2022
03	Synthesis & Analysis of Performance characteristics of palm oil biodiesel blends in Single Cylinder Four Stroke Diesel Engine by Performing Load Test.	Journal of emerging technologies and innivative research(JETIR)	ISSN 2349-5162, Vol -10, issue -6	2023
04	Experimental performance analysis on VCR diesel engine at different load conditions with varying compression ratios	International Journal for Research and analytical Reviews(IJRAR)	E-ISSN 2348-1269,P-ISSN: 2349-5138, Vol-10, issue 4	2023
05	Design and statical structural analysis of connecting rod using different material	International Journal for Research and analytical Reviews(IJRAR)	ISSN: 2349-5138, , Vol- 10, issue 4	2023

#### 10. Conferences/ Workshop/Seminar/ Organized

Sl. No.	Title of Seminar / Conferences / Short – term Courses	Name of Coordinator	Funding / Sponsoring Agency	Date of Seminar / Conferences / Short – term Courses	No. of Participants
1.	Flow Simulation of 3d Printed Unsymmetrical Naca 4412 Airfoil	Prabhakar	-	June 2019	-
2.	Advancement in Mechanical Engineering	Prabhakar & Anish Kumar	TEQIP=III	15.12.2020 - 19.12.2020	80

#### 11. FDPs/ Workshop/Seminar/ Attended

Sl. No.	Title of Symposium/ Workshop/Seminar/ Short – term Courses	Date	Organizing Institute
1.	Fundamentals of Automotive system (AICTE approved FDP course)	24.01.2022-15.04.2022	IIT Madras NPTEL
2.	Applied Thermodynamics (AICTE approved FDP course)	25.07.2022-14.10.2022	IIT Guwahati NPTEL
3.	Advances in Manufacturing (AIM-2021)	15.06.2021 - 19.06.2021	B.I.T Sindri Dhanbad
4.	Mechanical Engineering-Emerging Technologies (MEET-2021)	24.05.2021 - 29.05.2021	B.I.T Sindri Dhanbad
5	Advancement in Mechanical Engineering	15.12.2020 - 19.12.2020	IIT (ISM) Dhanbad
6	Current Industrial Alacrity and Career Opportunity in the Field of Mechanical Engineering	02.11.2020 - 06.11.2020	B.I.T Sindri Dhanbad

7	Digital Transformation In Teaching Learning Process	16.03.2020 - 30.03.2020	IIT Bombay
8	Emerging Trends and Technology in Mechanical Engineering	08.07.2019 – 12.07.2019	B.I.T Sindri Dhanbad
9	Essentials for NX Designers	11th-17th June 2020	B.I.T Sindri Dhanbad
10	Synchronous Modeling and Parametric Design	18th- 20th June 2020	B.I.T Sindri Dhanbad
11	Recent Advances in Manufacturing	27.11.2018 – 01.12.201	B.I.T Sindri Dhanbad
12	Advanced Pedagogy & digital tool for TEQIP faculty members	1.7.2019 - 5.7.2019	IIT Guwahati
13	Manufacturing Automation, Robotics & Factory of future	Oct 3-8 2018	BIT Sindri
14	Understanding Metallurgy of Steel for its Effective Utilization	Oct27-28 2018	BIT Sindri
15	Faculty Development Programme	Jan 31- Feb4 2018	Teaching Learning Centre IIT madras
16	Outcome based Education (OBE) and Accreditation	Mar 16-17 2018	BIT Sindri

## 12. Administrative Position Held:

S. No.	Position Held	From (date/month/year)
1.	NBA Co-coordinator Mechanical Engg.	20/02/2018
2.	Department Representative Spoken Tutorial Classes (IIT Bombay)	13/02/2018
3.	MIS Coordinator, Mechanical Engineering	20/09/2018