

CV of Balaji Nagorao Sontakke, Ph D

Curriculum Vitae

Dr. Balaji Nagorao Sontakke
Assistant Professor, Production Engineering Department
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Education:

Degree	School /College /University	Month and Year	CGPA/Marks
Ph.D. Additive Manufacturing	College of Engineering, Pune Savitribai Phule Pune University, Pune	November 2020	NA
M. Tech. CAD/CAM	Shri Guru Gobind Singhji Institute of Engg & Tech, Nanded, Maharashtra	July 2007	7.15/10
B.E. Production Engineering	College of Engineering, Osmanabad Dr. B. A. M. University Aurangabad, India	June 2005	62.20%

M. Tech. Thesis: Thermal analysis of spark ignition engine cylinder block (Prof. L. N. Wankhede)

Ph. D. Thesis : Mechanical Characterization of Multi-Material Polymer based Product having different geometries using 3D Printing (Advisor-Prof. B. B. Ahuja)

Principal Fields of Interest:

- Advanced manufacturing-smart/digital manufacturing,
- 3D Printing-Additive Manufacturing,
- Industry 4.0
- Internet of Things
- Industrial and Project Management
- Product Design and Development
- Molecular Dynamic Simulations for polymeric composite materials
- Mechanical Characterization of Materials
- Computer Aided Design and Modelling,
- Computer Integrated Manufacturing
- Finite Element Modeling and analysis,
- Design of Mechanical system

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Experience: Total 14 Years (till date)

Position	Employer	Beginning	Ending
Assistant Professor Production Engineering	Veermata Jijabai Technological Institute (VJTI) Matunga Mumbai, India	04.04.2020	Till date
Adjunct Faculty Production Engineering	College of Engineering, Pune , India	16.07.2018	30.06.2020
Teaching Assistant Production Engineering	College of Engineering, Pune , India	01.09.2014	30.06.2018
Assistant Professor Mechanical Engineering	Trinity College of Engineering and Research, Pune, India	09.09.2011	31.03.2014
Lecturer Production Engineering	Pimpri Chinchawad College of Engineering, Pune, India	01.09.2010	19.07.2011
Lecturer Mechanical Engineering	Cummins College of Engineering for Women, Pune, India	18.08.2008	15.06.2010

Teaching Experience: Courses Taught from 2008 to 2022 academic years for even and odd semester of Undergraduate and Graduate Student class of 60 students

- Engineering Graphics I & II,
- Machine Design & Computer Graphics Lab,
- Geometric Modeling Lab,
- CAD/CAM and Automation,
- Mechanical System Design,
- Advanced Stress Analysis,
- Computer Aided Engineering
- Finite Element Analysis,
- Computer Aided Design and Computer Aided Manufacturing,
- Computer Integrated Manufacturing,
- Open GL Lab,
- Product and System Graphics Lab,
- Simulation Lab,
- Organizational Behavior,
- Rapid Manufacturing,
- Computer Integrated Manufacturing Lab,
- Constitution of India,

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- Industrial Management,
- Elements of Industrial Engineering,
- Product Lifecycle Management,
- Organizational Behavior & Human Resource Management,

Current Professional Organization Membership

- Lifetime Member ISTE (India)

Research and Publications: Total Publications: 10

Research Projects	00
Papers Published in International Journals	01
Papers Published in International Conferences	08
Papers Published in National Conferences	00
Book Chapter	01
Sessions Conducted in FDP/STTP	05
Short Term Courses Attended (1-2 week)	07

List of programs participated

S.No	Name of the Programme	Title of the Programme	Dates of the Programme	Organized by
1	Workshop	Implementation of Revised Syllabus of Basic Mechanical Engineering (BME)	15 th September 2008	MAEER's M.I.T. Pune- 411038
2	Workshop	Scope and Implementation of Metallurgy	10th January 2009	Cummins College of Engineering for Women, Pune
3	Continuing Education & Quality Improvement Programmes (CE & QIP)	Piping Engineering	May 12 -25, 2010	IIT Bombay
4	Workshop	Aarogya-Doot (An initiative for Health – Valunteering)	30th June 2011	Aditya Birla Memorial Hospital, Chinchwad, Pune
5	Faculty Development Programme	Mastercam Robot Programming & Application with Kuka	27th & 28th August 2011	PVG's College of Engineering & Technology, Pune 9.
6	Workshop	Using Google Document in Education	28th & 29th November 2011	K J College of Engineering & Management Research,

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7	Workshop	Finite Element Method	13th January 2012	PES's Modern College of Engineering, Pune
8	Workshop	Finite Element Method	23rd January 2012	MKSSS's Cummins College of Engineering for Women, Pune
9	International Conferences	Advances in Mechanical Engineering	12-14 March 2012	Amrutvahini College of Engineering, Sangamner-422608, Maharashtra, India.
10	Workshop	Advanced CNC & Robotic Programming and Learning Aids	06-March-2013	Onward Technologies Limited, Pune
11	Workshop	Revised Syllabus Implementation of computer Aided Machine Drawing	25th June 2013	MAEER's M.I.T. Pune- 411038
12	Continuing Education & Quality Improvement Programmes (CE & QIP)	Advanced Manufacturing Processes	August 11 -16, 2014	IIT Bombay
13	CII-AIT MEET	INNOVATION	26th September 2015	Army Institute of Technology, Pune
14	Geometric Certification Program	Design for Manufacturing (DFM) and Tolerance Stackup Analysis	5th January 2016	Geometric Ltd, Pune
15	TEQIP-II Sponsored One-week Special Remedial Course	English and Communication Skills	May 24 – 28, 2016	College of Engineering Pune (COEP)
16	International Conferences	AIMTDR 2016	16th – 18th December, 2016	College of Engineering Pune (COEP)
17	QIP AICTE Sponsored Short-Term Training Programme	Six Sigma	24th – 28th February, 2017	College of Engineering Pune (COEP)
18	QIP AICTE Sponsored Short-Term Training Programme	Excellence in Maintenance Engineering	1th – 6th March, 2017	College of Engineering Pune (COEP)

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19	Author Workshop	Author Workshop jointly organized by Springer Nature and BVUCOE, Pune	7th March, 2017	BVUCOE, Pune
20	QIP AICTE Sponsored Short-Term Training Programme	Characterization of Micro – and Nanomaterials	20th -24th March, 2017	College of Engineering Pune (COEP)
21	COEP Internship Program (Under Mentorship Program)	Student Summer Internship Program	1th -30th June, 2018	College of Engineering Pune (COEP)
22	International Conferences	AIMTDR 2018	13th – 15th December 2018	Anna university, Chennai
23	Continuing Education & Quality Improvement Programmes (CE & QIP)	Analysis of Research problems through Design of Eperiments	December 30, 2019 – January 03, 2020	IIT Bombay
24	NPTEL Online Certification (Funded by the Ministry of HRD, Govt. of India)	Computer Integrated Manufacturing with Score 84 %	Jan-Apr 2020 (12 week Course)	IIT Kanpur
25	NPTEL Online Certification (Funded by the Ministry of HRD, Govt. of India)	Entrepreneurship Essentials with Score 71 %	Jan-Apr 2020 (12 week Course)	IIT Kharagpur