



Centre/School/Special Centre: SoS Engg. & Tech.

Department: Mechanical Engineering

Phone: 9098407370

Email: manish.bhaskar@ggu.ac.in

Personal Webpage Link:

Qualifications:

B.E. (Mechanical Engineering)

M.Tech (Thermal Engineering)

Area of Interest/Specialization:

Solar Thermal, Heat Transfer, Alternative fuels

Experience:

10 Years

Awards and Honors:

Research Projects:

S.No.	Name of the Principal Investigator / Co Principal Investigator	Title of the project	Funding Agency	Amount Received / Requested	Status Sanction / Submission
1	PI Prof. T. V. Arjunan Co PI 1. Manish Bhaskar 2. Pradeep Patanwar	<i>“Development of Longitudinal-fins Evacuated Tube Solar Air Heater”</i>	AICTE	25 Lac	Presented (Not Sanctioned)

International Collaboration/Consultancy:

Best Peer Reviewed Publication (up-to 10):

- “Computational Analysis of Free Convection in Different Cavities with Different Aspect Ratios” International Journal of Inventive Engineering and Sciences (IJIES) ISSN: 2319–9598, Volume-2, Issue-4, March 2014 Link <https://www.ijies.org/download/volume-2-issue-4/>
- “Computational Analysis of Natural Convection in Spherical Annulus Using FEV” International Journal of Modern Engineering Research (IJMER) | IJMER | ISSN: 2249–665 | Vol. 4 | Iss.10| Oct. 2014 Link http://www.ijmer.com/papers/Vol4_Issue10/Version-3/E04010_03-2939.pdf

Recent Books/Book Chapters/Monographs etc.:

Research Supervision:

Administrative Responsibilities:

- B.Tech First Year Co-Coordinator for the period of 2 years 2020-2022
- Coordinator Renewable Energy Club SoS E&T
- Website in Charge Department of Mechanical Engineering
- Time Table in Charge for Department of Mechanical Engineering
- Internal Combustion Engine Lab in Charge
- Minutes of Meeting in Charge
- B.Tech 4th, 5th, 6th & 7th semester Class in charge
- Subject Syllabus Preparation for BOS 2020, 2021(3rd, 4th 5th, 6th, 7th & 8th Semester)

Additional Information:

Professional Experience:-

- **Assistant Professor (Nov 2019 to Present)** , Department of Mechanical Engineering, Guru Ghasidas Vishwavidyalaya, Bilaspur, (C.G)
- **Assistant Professor (July 2012 – March 2019)** , Disha Institute of Management & Technology Raipur (affiliated to CSVTU Bhilai)
- **Graduate Engineering Trainee (GET) in Shandong Electric Power Construction Company (SEPCO)** China in 1200 MW BALCO Site Korba (CG) Department Turbine (Auxiliary) from **(July 2010 – July 2011)**

Patent Filed: Patent number: - 2021100087 Dated 31 March 2021

Title of invention: - *“Longitudinal Fins Evacuated Tube Solar Air Heater”*

Workshop / Webinar/Seminar/Conference Organized:-

- Organized Workshop on “**Energy Conservation & Energy Efficiency**” with Chhattisgarh Renewable Energy Development Agency (CREDA) with Skill Development Cell GGV Dated 04 March 2020
- Organized Webinar on “**Smart Sustainable Buildings and Material Technology**” ISHARE Agra Sub Chapter Dated 04 July 2020 → Organized Webinar on “**Advances in Biofuel**” Dated 05 Dec 2020
- Organized Webinar on “**Advances in Biofuel**” Dated 05 Dec 2020
- Organized one day Workshop on “**Microsoft Excel Involvement for Sustainable Industrial Practices**” Dated 25 August 2021
- Organized one day Workshop on “**Recent Development in Renewable Energy**” under Renewable Energy Club SoS E&T Dated 27.01.2022
- Organized AICTE ATAL Academy Sponsored One Week FDP on “**Advancement in Manufacturing Technology**” Dated 17.01.2022 to 21.01.2022

Workshop / FDP/Seminar/Conference attended:-

- Faculty Development Programme on “**Engineering Graphics**” by CSVTU Bhilai dated 07/082012 to 08/082012
- 2 week “**ISTE Workshop on Engg Thermodynamics**” under National Mission on Education through ICT (MHRD Govt. of India) conducted by IIT Bombay at remote centre BIT Durg 1166 from 11/12/2012 to 21/12/2012

- 10 Days “**ISTE Workshop on Fluid Mechanics**” under National Mission on Education through ICT (MHRD Govt. of India) conducted by IIT Kharagpur at remote centreSSIPMT Raipur 1240 from 20/05/2014 to 30/05/2014

- “**Short Term Training Programme**” conducted by NITTTR Bhopal at study centre DTE Bayron Bazar Raipur (C.G.) from 18/072016 to 29/07/2016

- Webinar on “**Design Management in Indian Context Development and Governance**” By NIT Jamshedpur Dated 21-07-20

- “**Refresher Course in Mechanical Engineering**” By NITTTR Chandigarh From 10-08-2020 to 21-08-2020

- “**Universal Human Values for DEEKSHARAMBH**” By NIT Patna From 21-09-2020 to 25-09-2020

- FDP on “**Machine Learning and Artificial Intelligence**” By IEEE Bombay Section Dated 23-05-2020 to 27-05-2020

- TEQIP-III sponsored Five Days Workshop cum Training on “**Training and Practice on MATLAB for Engineering Solutions**” (TPMES-20) By Dr B R Ambedkar National Institute of Technology Jalandhar, Punjab, India Dated 26-11-2020 to 30-11-2020

- AICTE Recognized Faculty Development Programme on “**Additive Manufacturing for Biomedical Applications**” By Mechanical Engineering Department NITTTR, Chandigarh Dated 05-10-2020 to 09-10-2020

- One week online Short Term Course on “**Fundamentals and Application of CFD in Industrial Fluid Flow and Heat Transfer**” organized by National Institute of Technology, Manipur Dated 15-10-2020 to 19-10-2020

- AICTE Training And Learning (ATAL) Academy Online FDP on “**Green Technology & Sustainability Engineering**” By Dr B R Ambedkar National Institute of Technology Jalandhar, Punjab, India Dated 19-10-2020 to 23-10-2020

- Attended a Course on **“Geometric Dimensioning and Tolerance”** By CTTC Bhubaneswar Odisha Dated 04-09-2020 to 18-10-2020
- Attended a Course on **“New Product Development”** By CTTC Bhubaneswar Odisha Dated 07-09-2020 to 28-10-2020
- AICTE Sponsored Short Term Training Program on **“An Introduction to Internet of Things(IoT)and Its Applications for Smart Transparent and Immutable Ecosystem”** by Department of Computer Science and Engineering, Noida Institute of Engineering and Technology, Greater Noida dated 05-10-2020 to 10-10-2020
- AICTE Sponsored STTP on **“Recent Advances in Micro Electro Mechanical Systems Mechatronics and Their Applications for Future Challenges”** by Department of Mechanical Engineering (Mechatronics), Mahatma Gandhi Institute of Technology, Hyderabad Dated 21-09-2020 to 26-09-2020
- TEQIP III Sponsored One Week FDP on **“Tools And Scientific Communications for Research Article And Proposal Writing”** By G B Pant Institute Of Engineering & Technology Pauri Garhwal dated 19-09-2020 to 23-09-2020
- TEQIP III **“Recent Advancement in Welding and Joining Technology 2020”** by Department of Mech Engg Veer Surendra Sai University of Technology Burla Odisha dated 12-09-2020 to 16-09-2020
- Short Term Training Programme through ICT Mode on **“Fundamental and Applications of Nanomaterials”** By Mechanical Engineering Department NITTTR, Kolkata dated 27-07-2020 to 31-09-2020
- AICTE Sponsored STTP on **“Industrial and Municipal Solid Waste Management for Green India”** by PSR Civil Engineering Virudhunagar Tamilnadu dated 24-08-2020 to 29-08-2020
- TEQIP III Sponsored Two-week International Online Faculty Development Program on **“Techno Economical and Environmental Aspects of Electrical Energy Systems for**

Sustainable Development” by G B Pant Institute Of Engineering & Technology Pauri Garhwal dated 07-09-2020 to 18-09-2020

- One Week FDP on **“Basic of Computational fluid Dynamics Applications & analysis”** By National Institute of Engineering Manandavadi Road Mysuru Karnataka India dated 31-08-2020 to 04-09-2020
- AICTE Sponsored STTP on **“Electrical Vehicle An Opportunity for India”** by RMK College of Engineering & Technology Pudevoyal, Gummidipoondi Taluk Tiruvallur District, Tamil Nadu dated 07-09-2020 to 12-09-2020
- TEQIP III Sponsored Online FDP on **“Recent Pedagogy and ICT Tool in Teaching & Research”** by NIT Uttarakhand and IIT Roorkee dated 27-08-2020 to 31-09-2020
- AICTE Sponsored STTP on **“Automotive Technology for a Sustainable Future”** by Gokaraju Rangaraju Institute of Engineering & Technology Nizampet Road, Bachupally, Kukatpally Hyderabad- 500090, Telangana State, India dated 07-09-2020 to 12-09-2020
- AICTE Training And Learning (ATAL) Academy Online FDP on **"Blended Learning and Flipped Classroom"** by Sardar Vallabhbhai National Institute of Technology Surat dated 10-08-2020 to 14-08-2020
- AICTE Recognized Faculty Development Programme on **“Industry Partnered online STC on IoT and Lora WAN Technology using Arduino”** by Electronics and Communication Engineering Department NITTTR, Chandigarh dated 17-08-2020 to 21-08-2020
- Online Faculty Development Programme on **“ICT Tools for Teaching Learning Process and Institute”** Jointly organized by Electronics and ICT Academies NIT Patna, MNIT Jaipur, PDPM IITDM Jabalpur, IIT Guwahati and IIT Roorkee under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MEITY), Government of India dated 10-08-2020 to 21-08-2020
- One Week Online Faculty Development Program on **"Modeling and Simulation of Structural Mechanics and CFD Analysis using MATLAB and ANSYS"** by Department of Mechanical Engineering, SJCE, Mysuru in Association with Mentee Institution, MLV Textile & Engg. College, Bhilwara (RAJ.) dated 24-08-2020 to 28-08-2020

- AICTE Sponsored STTP-I on “**Industrial Pollution & Control Strategies**” by Department of Chemical Engineering, Anurag Group of Institutions, Ghatkesar (M), Medchal (D), Telangana dated 24-08-2020 to 29-08-2020
- AICTE Sponsored National Level Five Days Virtual Short Term Training Program (STTP) on “**INDUSTRY 4.0**” by Department of Mechanical Engineering, Nitte Meenakshi Institute of Technology, Bangalore-64, INDIA Dated 24-08-2020 to 28-08-2020
- Online FDP on “**Assessment & Evaluation in Higher Education**” by CREST,IISER Bhopal Under PMMMNMTT Scheme of MHRD dated 27-07-2020 to 31-07-2020
- AICTE Sponsored National Level Five Days Virtual Short Term Training Program (STTP) on “**Industrial Internet of Things** ” by Department of Mechanical Engineering, NITTE Meenakshi Institute of Technology, Bangalore-64, INDIA dated 12-08-2020 to 16-08-2020
- FDP on “**Mecatronics, Automation & Robotics**” by Department of Mechanical Engineering SoE OPJU Raigarh ,IEEE Bombay and AICRA dated 03-08-2020 to 07-08-2020
- Online Workshop on “**Emerging Trends in Robotics**” by Manipal Institute of Technology A Constituent Unit of Manipal Academy of Higher Education (MAHE), Manipal, Karnataka dated 21-07-2020 to 25-07-2020
- Short Term Training Programme through ICT Mode on “**Theory of CNC Machines**” by Mechanical Engineering Department NITTTR, Kolkata dated 06-07-2020 to 10-07-2020
- One Week FDP on “**LaTex**” by LCIT Bilaspur & Spoken Tutorial IIT Bombay dated 06-07-2020 to 12-07-2020
- FDP Program on “**ICT/LMS**” Tools for Teaching & Learning by K. C. College of Engineering & Management Studies & Research, Thane dated 16-06-2020 to 19-06-2020
- AICTE Training And Learning (ATAL) Academy Online FDP on "**Robotics**" by NIT Jamshedpur dated 25-05-2020 to 29-05-2020
- Online FDP on “**Enhancing Research Work of Ph.D. Aspirants through Systematic Approach**” by Lokmanya Tilak College Of Engineering Navi Mumbai dated 08-06-2020 to 10-06-2020

- One Week Faculty Development Programme on "**Open Source Tools for Research**" by The Teaching Learning Centre (TLC) of Ramanujan college University Of Delhi Under PMMMNMTT Scheme of MHRD dated 08-06-2020 to 14-06-2020
- Webinar Series on "**Machine Learning and Artificial Intelligence**" by IEEE Bombay section 23-05-2020 to 28-05-2020
- One Week Online Faculty Development Program on "**Innovation, Entrepreneurship and its Relevance in Industry 4.0 Practices in the Post Covid-19 Situation**" by Terna Engineering College Plot No. 12, Sector 22, Nerul, Navi Mumbai dated 25-05-2020 to 29-05-2020
- "**Recent Advances in Chemical and Environmental Sciences & Technology**" by Dept. Of Chemistry GGV On 23 And 24 Nov 2020
- "**NEP 2020: Higher Education Curricular Issues And Implications**" by NITTTR Bhopal Dated 20-11-2020
- Webinar on "**Art of Writing Research Paper**". Organized by GGU, Bilaspur, and (CG.) India. On October 31, 2020
- National seminar (web) on "**Advances In Machining**" Organized by NITTTR Kolkata in collaboration with knowledge partner SPIU, Uttar Pradesh Held On 26th September, 2020
- Webinar on "**Planning For Online Instruction**" by NITTTR Bhopal on 21-08-2020
- 3rd national seminar(web) on "**Atmanirbhar Bharat: Environmental Sustainability**" "organized by NITTTR Kolkata in collaboration with knowledge partner SPIU, Uttar Pradesh Held On 16th August, 2020
- IEI centenary technical webinar on the theme "**Green Building With Integrated Design Approach**" organized by Faridabad local Centre of the institution of engineers (India) under the aegis of architectural engineering division on 29/08/2020
- SPARC IITKGP international conference on "**Emerging Trends In Healthcare Technology Post COVID Era**" by IIT KGP
- Webinar on "**Smart Sustainable Buildings And New Material**" by GGV and ISHRAE Agra sub chapter

- Webinar on **“East For East Innovation”** organized by Department Of Mechanical Engineering, School Of Studies In Engineering & Technology, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur On 24th May 2020.
- International Webinar on **“Supercritical Fluid Technologies : an Overview”** dated 16 Oct 2020 By ICFAI University Tripura
- Webinar on **“Nuclear Power Plants”** presented by Dr. A.B.Mukherjee (Distinguished Scientist and Former Director, Reactor Projects Group, BARC), organized by the Department of Mechanical Engineering, School of Studies in Engineering and Technology, Guru Ghasidas Vishwavidyalaya, Bilaspur on 22nd December, 2020
- **“Universal Human Values”** by AICTE dated 07 June 2021 to 11 June 2021
- Faculty Induction Program **“GURU DAKSHATA”** by UGC-HRDC GGU Bilaspur dated 15 Feb 2021 to 17 March 2021
- **“Advances in Mechanical, Industrial Engineering & Management (AMIEM 2021)”** (Under Twinning Activity of TEQIP – III) by NIT Raipur & Vishwavidyalaya Engineering College Lakhanpur Sarguja Chhattisgarh dated 09 March 2021 to 13 March 2021
- **NITTT Module 1 “Orientation towards Technical Education & Curriculum Aspects”** by National Institute of Technical Teachers Training of 8 Weeks
- **NITTT Module 2 “Professional Ethics & Sustainability”** by National Institute of Technical Teachers Training of 8 Weeks
- **NITTT Module 3 “Communication Skills, Modes and Knowledge Dissemination”** by National Institute of Technical Teachers Training of 8 Weeks
- **NITTT Module 4 “Instructional Planning and Delivery”** by National Institute of Technical Teachers Training of 8 Weeks

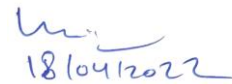
- **NITTT Module 5 “Technology Enabled Learning and Life-long Self-learning”** by National Institute of Technical Teachers Training of 8 Weeks
- **NITTT Module 6 “Student Assessment and Evaluation”**.by National Institute of Technical Teachers Training of 8 Weeks
- **NITTT Module 7 “Creative Problem Solving, Innovation and Meaningful R&D”** by National Institute of Technical Teachers Training of 8 Weeks
- **NITTT Module 8 “Institutional Management & Administrative Procedures”** by National Institute of Technical Teachers Training of 8 Weeks
- One Day National Workshop on **“Emerging Trend in the Research Areas and Opportunities in Science and Technology”** organized by Research & Development Committee, SOS(E&T), GGV, Bilaspur, (C.G), India. Dated 31 July 2021
- Workshop on **"Developing Entrepreneurship Skills among Students for Aatma Nirbhar Bharat"** held from 24th to 28th August, 2020 sponsored by TEQIP-III, IGEC Sagar.
- Workshop on **“Emerging Trend In The Research Areas And Opportunities In Science And Technology”** by Research & Development Committee, SOS(E&T), GGV, Bilaspur, (C.G), India dated 31 July 2021
- FDP on **“Additive Manufacturing Process and its Application”** by Sri Manakula Vinayagar Engineering College, Puducherry dated 23 August 2021 to 28 August 2021
- International Webinar on **“Development of Advanced Materials and their Characterizations (IWDAMC 2021)”** by AMITY University Gwalior held on 15th September 2021
- Online Workshop on **“Skill Development For Technology Transfer”** jointly organized by Research & Development Cell, SoS(E&T) and Skill Development Cell GGV, Bilaspur, (C.G), India dated 13 September 2021 to 18 September 2021

- AICTE ATAL Academy Sponsored One Week FDP on “**Advancement in Manufacturing Technology**” Dated 17.01.2022 to 21.01.2022
- One Day Online National Webinar on “**Funding Opportunities for research Innovation & Technology Transfer**” jointly organized by Research & Development Cell, SoS(E&T) and Skill Development Cell, GGV, Bilaspur, (C.G), India on dated March 11, 2022.
- AICTE-ISTE sponsored Induction/ Refresher program on “**I.C. Engine: The Future Prospective during 17-23 February, 2022**” conducted by the Department of Mechanical Engineering, S. V. Polytechnic College, Bhopal.
- “**IP Awareness/Training program**” under National Intellectual Property Awareness Mission on February 09,2022 Organized by Intellectual Property Office, India

I hereby declare that all the information given above is true to the best of my knowledge and Belief Documents will be provided on request.

Place: Bilaspur (Chhattisgarh)

Date: 18.04.2022

Handwritten signature in blue ink, followed by the date 18/04/2022.

Manish Bhaskar