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bharathvg@gmail.com

Dr. BHARATH V G

OBJECTIVE

To evolve my career as an **effective educator and researcher**, in the field of **mechanical design and development** to enhance the skills for positive society.

EDUCATIONAL QUALIFICATIONS

2020: Ph.D. in Mechanical Engineering
Thesis Title: Design and Development of Virtual Reality Metal Arc Welding
REVA University, Bengaluru
2013: **Master of Engineering in Mechanical Engineering**
Specialization in Machine Design, U.V.C.E, Bangalore University, **90.25%**
2010: **Bachelor of Engineering in Mechanical Engineering**
Bangalore Institute of Technology, VTU Belgaum, **82.06 %**
2006: **PUC-** PCMB**,** SVMPUC Malleshwaram, KPUE, **87.67%**
2004: SSLC, SVEC Rajajinagar, KSEEB**, 90.4 %**

SPECIALIZATION

Virtual Design and Manufacturing, Virtual Reality, Machine Design

PROFESSIONAL EXPERIENCES

Brindavan College of Engineering   June 2021 - Present
Associate Professor
Handling subjects like CAED

CMR University   June 2018 – June 2021
Assistant Professor
Handling subjects like CAED, KoM, MoM, Design of Machine Elements 1 and 2, Virtual Design and Manufacturing.

Atria Institute of Technology   Jun 2016-June 2018
Assistant Professor
Handled subjects like Elements of Mechanical Engineering, CAED, MoM.

REVA University   Jul 2014-May 2016
Assistant Professor
Handled subjects like Elements of Mechanical Engineering, CAED, MoM and Principles of Management

Vemana Institute of Technology, Bangalore   Jul 2013- Jun 2014
Assistant Professor
Handled subjects like Experimental Stress Analysis, CAED, EME and DME.

Merritt Innovative Solutions Pvt Ltd   May 2010- Jun 2011
Graduate Apprentice Trainee
Meshing and Analysis Using Hypermesh, Nastran and LS-Dyna

CERTIFICATION

- Successfully completed an online certification course on *"Basic Course on Handwriting Analysis"* from Graphology Training Institute, March 2022.
- Successfully completed an online certification course on *"Model Based Design of Control System Engineering"* from Decilabs, March 2022.
- Successfully completed an online certification course on *"Model Based Design of Mechanical Systems Internship"* from Decilabs, March 2022.
- Successfully completed an online certification course on *"Building Automation Robots using Python Programming and ROS"* from Decilabs, March 2022.
- Successfully completed an online certification course on *"Python Programming for Electronic and Electrical Engineers"* from Decilabs, March 2022.
- Successfully completed an online certification course on *"Python Programming for Aerospace Engineers"* from Decilabs, March 2022.
- Successfully completed an online certification course on *"First and Second Level of Extensive Handwriting Analysis"* from Institute of Graphology and Personal Success, January 2022.
- Successfully completed an online certification course on *"Machine Learning with Python Programming"* from Decilabs, July 2021.
- Successfully completed an online certification course on *"Advanced Python Programming for Mechanical Engineers"* from Decilabs, May 2021.
- Successfully completed an online certification courses on *"Python Programming Language"* from DIYGuru Education & Research Pvt. Ltd, Apr 2021.
- Successfully completed an online certification courses on *"Industry 4.0"* from Tata Steel Digi e-Shala, Capability Development Program, Mar 2021.
- Successfully completed an online certification courses on *"Machine Learning"* from Tata Steel Digi e-Shala, Capability Development Program, Mar 2021.
- Successfully completed an online certification courses on *"English Proficiency"* from Tata Steel Digi e-Shala, Capability Development Program, Mar 2021.
- Successfully completed an online certification courses on *"Handwriting Psychology, Parenting through Handwriting and Graphology"* from Paresh Academy, Maharastra, Mar 2020.
- Successfully completed an online certification course on *"Digital Marketing"* from Manipal Pro learn, Manipal, Karnataka in Apr 2019.
- Successfully completed a faculty development course certification on *"Stress Management"* from IIT Kharagpur under NPTEL online courses in Oct 2018.
- Successfully completed a faculty development course certification on *"Developing Soft Skills and Personality"* from IIT Kanpur under NPTEL online courses in Oct 2018.
- Successfully completed a faculty development course certification on *"Intellectual Property Rights"* from IIT Madras under NPTEL online courses in Oct 2018.
- Successfully completed an online certification course with elite tag on *"Engineering Mechanics: Statics and Dynamics"* from NPTEL, IIT Madras in May 2015
- Successfully completed an online course on *"Fracture mechanics and its practical importance"* from IIT-Madras in Dec 2013
- Successfully completed a course with grade **A** on *"Design, analysis and optimization of mechanical systems"* at Indian Institute of Science under Dr. S.B.Kandagal in Dec 2011

TECHNICAL SKILLS

Programming languages	**- Python, C#,** , MATLAB
CAD/CAE Applications	**-**Hypermesh 11.0, OptiStruct, Radioss, ANSYS 19.0 with workbench, MSC Adams, Pro E, Solidedge, Abaqus, Unity 3D, Autodesk 3ds Max
Technical knowledge	**-**GD & T, 'G' codes and 'M' codes.
Application packages	**-**Microsoft Office 2016

1. **Design and Development of Virtual Metal Arc Welding – Doctoral Research Work**
(Jan'15 – Feb '20)

Guide	**: Dr. Rajashekar Patil**
Tools	: Solidedge v19, Solidworks, Autodesk 3ds Max, Autodesk Inventor, Adobe Fuse, Unity 3D, Android SDK.
Abstract	: The practical reality made humans to interact with computer systems to feel real world prevalent to modern day artificial cognitive technology. The research work results in developing a VR for metal arc welding using softwares, hardware and developed unique GUI for virtual training of four specific weld joints locally and globally. The current research work concludes a new track for user to interact with computer/smartpho ne to an environment as realistic as possible and sensory experience of metal arc welding addressing design interface, demonstration and usability. The technology of virtual reality is improving rapidly in welding. The user-fixed VRMAW is unique, innovative and first of its kind welding product uses state-of-the-art technology in welding to promotes digital technology for training the unskilled in metal arc welding with an advantage of economic, clean and green technology.

2. **Critical location approach for life estimation of steam turbine blade - M.E Project**
(Feb'13-Jun'13)

Guide	**: Dr. Shantharaja M**
Tools	: Hypermesh, ANSYS Classic, ANSYS Workbench, ANSYS Fatigue
Role	: Literature review was undertaken to understand various methods to estimate the life of steam turbine LP blade. Linear and non linear analyses are performed and results are compared with Neuber's rule. Fatigue analysis is performed using ANSYS Workbench and results are validated using Coffin-Manson equation and also Universal Slope Method.

3. **Creep life estimation of high pressure steam turbine blade.** (May'13-Jul'13)

Tools	: Hypermesh, ANSYS Classic, ANSYS Workbench, ANSYS Fatigue
Role	: Literature review was undertaken to understand various methods to estimate the life of steam turbine HP blade. Linear and nonlinear analyses are performed. Fatigue analysis is performed using ANSYS Fatigue and results are validated using Coffin-Manson equation and also Universal Slope Method. Creep analysis is carried out and results are validated using Paris Law equation and compared the diminishing life of blade using Larson-Miller Parameter.

4. **Topology and size optimization of composite ply cargo door.** (Aug'13-Sep'13)

Tools	: Hypermesh 11.0, Radioss and OptiStruct Solver.
Role	: To achieve a concept design stage through topology optimization. For composite laminate design a three-phase optimization process is used. The target of the first phase is the material distribution in terms of orientation and thickness. A discrete interpretation of the thickness contour results in concept design of ply layout and thickness. Then in Phase-II the interpreted ply-based structural model is further optimized under all design constraints with discrete design variables representing the number of plies of each ply patch. During Phase-III, ply stacking optimization is performed to refine the design according to detailed manufacturing constraints.

4. **LED Monitor Screen Bracket Analysis** (Jun'10-Jan '11)

Tools	: Hypermesh 11.0, Radioss and OptiStruct Solver.
Client	: inTEx
Company	: Merritt Innovative Solutions
Role	: To Optimize weight and to redesign the bracket to obtain suitable displacement of 4kg monitor screen which is performed using Hyperworks 11.0 Radioss and OptiStruct tools.

5. Bird Hit Analysis using LS-Dyna for Satcom Radome (Jun'10-Jan '11)

Tools : Hypermesh, Nastran, LS-Dyna.
Client : Gas Turbine Research Establishment (GTRE)
Company : Nova Global Pvt Ltd.
Role : Finite Element Modeling using Hypermesh, Crash Analysis is performed usingLS Dyna to evaluate the material being failed in bolted region. Maximum stressvalues and displacements are evaluated using Nastran Solver.

6. APDL implementation of Transfer Matrix Analysis of Multi-Section Rotors (RSOP), - B.E. Project (Feb'10-May'10)

Tools : ANSYS 10.0
Role : Literature review was undertaken to understand Transfer matrix Calculations. FE Model is carried out using ANSYS, Developed macros for automatic definition of Transfer Matrix and post processing in ANSYS.

AWARDS AND RECOGNITION

o Certificate of Recognition as **Global Teacher Award 2020** by AKS EDUCATION on 20th December 2020.
o **Young Researcher Award** for presenting best paper at 20th International Conference on Contemporary issues in Science, Engineering and Management held at **Singapore** on **6th – 7th April 2019.**
o **B. K. Garudachar centenary commemoration prize** for securing highest marks in Master of Engineering during 50th convocation of Bangalore University

ACHIEVEMENTS

o Resource Person for one week FDP on the title **"Python Programming for Mechanical Engineers"** at B N M Institute of Technology, August 2021
o Resource Person for Webinar on **"Career Opportunity on Python Programming for Mechanical Engineers"** at Don Bosco Institute of Technology, July 2021
o Resource Person for Webinar on **"Career Opportunity on Python Programming for All"** at HKBK College of Engineering, June 2021
o Resource Person for Webinar on **"Usefulness of Python Programming for Mechanical Engineers"** at Vemana Institute of Technology, May 2021
o Resource Person for Webinar on **"Machine Design using Python"** at Jain University, May 2021.
o Resource Person for Webinar on **"Python Programming Application to Mechanical Engineers"** at Brindhavan College of Engineering, May 2021.
o Prepared **E-Material for Elements of Mechanical Engineering** as per VTU Syllabus for Quicklearn and Engg Online.
o Resource Person for Two day workshop on **3D Printing (Design Part)** on 07 and 08 November 2017 at Atria Institute of Technology, Bengaluru
o Resource Person for Two day workshop on **Engineers MoM** on 27 and 28 October 2017 at Atria Institute of Technology, Bengaluru
o Resource Person for Best Practices in **Solving Rotordynamics Problems using ANSYS WB** on 23 and 24 March 2016 at Merritt Innovative Solutions, Bengaluru.
o Resource Person for **Basic Funda matters on FEA Workshop** on 18 and 19 Dec 2015 at Merritt Innovative Solutions, Bengaluru.
o Resource person for **CAMD Day** and **CAED in 24 hours** conducted at REVA University during November 2015.

- o Prepared **OBE with blooms taxonomy course material with CD** for CAED in 24 hours and CAMD day programs
- o Secured **1st Rank** in Master of Engineering
- o 48 hours **E-material (PPT) on Elements of Mechanical Engineering** by Dr. Rajashekar Patil, Prof. Suresha S and **Prof. Bharath V G,** released at REVA University, Bangalore by Honorable Chief Minister of Karnataka and Education Minister, Mar 2015.
- o Qualified **Graduate Aptitude Test in Engineering** (GATE) with 97 percentile in the year 2011 examination

ELECTIVES CHOSEN

Mechanism Design, Theory of Elasticity, Theory of Plasticity, Tribology, IC-Engines, Automotive Engineering, Fracture Mechanics &Theory of Plates & Shells.

AREAS OF INTEREST

Theory Subjects of Interest to Teach	Areas of Research Interest	Subjects handled at Atria
CAED and CAMD	Virtual manufacturing	Elements of Mechanical Engineering
Mechanics of Materials	Experimental Stress Analysis	CAED
Design of Machine elements - 1 & 2	Fracture Mechanics	Mechanics of Materials
Mechanical Vibrations	Finite Element Methods	Automotive Engineering
Theory of Elasticity and Plasticity	Design Optimization	Finite Element Method
Tribology	PLM	Design of Machine Elements

PROFESSIONAL MEMBERSHIPS

Member of ASR - R219092938, Life Member, Valid from 26.02.2020
Member of STRA - STRA-M19424, Life Time Member, Valid from 25.02.2020
Member of TERA - TERA-M110142, Life Time Member, Valid from 24.02.2020
Member of IFERP - PM2520573, Professional member, Valid from 31.05.2019 to 31.12.2020
Chartered Engineer [India] from The Institution of Engineers [India] on 16.05.2019
Member of IEI - M-165083-6, Life member, Valid from 11.05.2019
Member of IJCRT/IJRAR - 114297, Review Member, Valid from 26.01.2019
Member of IAENG - 155684, Life Member, Valid from 12.01.2019
Member of IAER - 1811111, Full Professional Member, Valid from 29.11.2018
Member of IEAE - IEAE2017057, Professional Lifetime Membership, Valid from 2017
Member of IEEE - 94454735, Student Membership, Valid upto 2018

PATENTS

Sl. No.	Patent Number	Country	Title	Status
1	2021101573	Australia	Development of Megawatt Wind Turbine for Optimal Management of Smart Agricultural Farms	Filed on 27.03.2021 Grant on 12.05.2021
2	202141018627 A	India	Design and Development of Solar Power Based Electric Vehicle Charging Booths	Filed on 22.04.2021 Published on 30.04.2021
3	2021102375	Australia	Design and development of support less 3D Printing system using FDM technology	Filed on 05.05.2021

				Grant on 08.07.2021
4	202141035789 A	India	Machine learning and image processing based smart prediction of human Emotions and character	Filed on 08.08.2021 Published on 13.08.2021
5	202221006284	India	An Artificial Intelligence Based Hybrid Model for Stress	Filed on 05.02.2022
6	347411-001	Indian Industrial Design Patent	Smart electromechanical Motorcycle	Grant on 05.08.2021

PUBLICATIONS

International Journal Articles

[1]. Manickavasagam V. M , Paul Theophilus Rajakumar I, P.Anantha Christu Raj, **Bharath V G**, J. Madhusudhanan, Amit Kumar Sharma , Pravin Patil and Gizachew Balcha Assefa, **"Investigation of Mechanical Properties of Sansevieria cylindrica Fiber/Polyester Composites"**, *Advanced Hybrid Composites for Engineering Applications*, Vol. 2022, Article ID 2180614, 6 pages, 2022. (Q2 Scopus Index Journal)

[2]. **Bharath V G** & Dr. Rajashekar Patil, "Modelling For Weld Bead In Virtual Reality", *International Journal of Scientific Research in Engineering and Management (IJSREM)*, Vol. 3 Issue 6, Jun. 2019, pp. 1-4. *(UGC Approved)*

[3]. **Bharath V G** & Dr. Rajashekar Patil, "Human-Computer Interaction Design for Virtual Reality Metal Arc Welding Using Emerging Technologies", *International Journal of Research and Analytical Reviews (IJRAR),* Vol. 6 Issue 1, Jan. 2019, pp. 1093-1100. *(UGC Approved)*

[4]. Avinash P, Harshith K.M, Nikhil R.H, Moshik G, **Bharath V.G,** "Retrofitting of an Electric drive train in an I.C. engine motorbike", International Journal of Engineering Research in Mechanical and Civil Engineering (IJERMCE), Vol. 3, Iss. 6, June 2018, pp.36 – 39.

[5]. **Bharath V G &** Dr. Rajashekar Patil, "Motion Modelling of Virtual Reality Welding", *International Journal of Advances in Scientific Research and Engineering (IJASRE)*, Vol. 3, Special Issue 1, Aug. 2017, pp. 160-165.

[6]. Prashanth S N, Deepak D, Mohammed Murtaza & **Bharath V G**, "Design and Development of a Fused Deposition Modelling Rapid Prototyping Machine", *International Journal of Advances in Scientific Research and Engineering(IJASRE)*, Vol. 3, Special Issue 1, Aug. 2017, pp. 166-173.

[7]. **Bharath V G** & Dr. Rajashekar Patil, "Designing interactive 3D modelling of virtual welding system from CAD to VRML", *International Journal of Control Theory and Applications*, Vol. 10, Issue 6, Apr. 2017, pp. 145-153 (Scopus Index)

[8]. **Bharath V G** & Dr. Rajashekar Patil, "Virtual Reality For Metal Arc Welding: A Review And Design Concept", *International Journal of Mechanical Engineering and Technology*, *Vol. 8, Issue 1, Jan. 2017, pp. 132-138*(Impact Factor – **9.22**)

[9]. Dr. Rajashekar Patil, Deepak D, Dharshan Gowda S, Krishna Kashyap C S, Mohammed Murtaza, Prashanth S N, Harsha N and **Bharath V G**, Economical 3d –Printer by Adopting FDM Technique, *International Journal of Mechanical Engineering and Technology*, 8(4), 2017, pp. 442-447. (Impact Factor – 9.22)(Scopus Index)

[10]. **Bharath V G**, Dr. Rajashekar Patil, "Virtual Manufacturing: A Review", *International Journal of Engineering Research and Technology, NCERAME Conference Proceedings, Vol. 3, Issue 17, Mar. 2015, pp. 355- 364, Citation – 1*(Impact Factor – **1.76**)

[11]. Tulsidas D, Shantharaja M, **Bharath V G**, "Life Estimation of a Steam Turbine Blade Using Low Cycle Fatigue Analysis", *International Conference on Advances in Manufacturing and Materials Engineering, AMME 2014, Procedia Material Science, Elsevier, Volume 5, 2392-2401, Sept 2014.*

[12]. Chethan M C, Harish H, **Bharath V G,** Dr. Kumar K, "Structural Evaluation of Steel Adapter and Door Type Ring Stiffener in Wind Turbine Tower for Certification", *International Journal of Engineering Research and Technology*, *Vol. 3, Is.07, Jul- 2014, 521-527* (Impact Factor-**1.76**)

[13]. Kumaraswamy H S, Venkatesh M K, **Bharath V G**, "Characterization of pultruded fiber reinforced high performance polymer matrix composite with carbon nano tubes", *International Journal of Metallurgical & Material Science and Engineering*, ISSN(P): 2278-2516; ISSN(E): 2278-2524, Vol. 4, Issue 1, Feb 2014, 1-8(IF-**2.6735**)

[14]. **Bharath V G**,Vikram Krishna and Shantharaja M, "Implementation of transfer matrix analysis of multi-section rotors using Ansys parametric design language", *International Journal of Advances in Engineering & Technology, Vol. 6, Is. 5, Nov. 2013, pp. 2103-2111*(Impact Factor- **1.56**)

[15]. **Bharath V G**, Ranjith S and Dr. Shantharaja M, "Topology and size optimization of composite ply cargo door", *International Journal of Engineering Research and Technology*, *Vol. 2, Is.10, Oct- 2013, 2095-2100*(Impact Factor-**1.76**)

International Conferences Publications/Presentations

[1]. R Vara Prasad Kaviti, D. Jeyasimman, R Narayanasamy, Manoj Gupta, **Bharath V G**, "Hot Compression and Processing maps of Magnesium reinforced with Boron Nitride Nano-composites"- *Paper presented at* ICTMIM 2021, IOP Conf. Series: Materials Science and Engineering, 1126 (Apr 2021) 012057.

[2]. **Bharath V G**, Dr. Rajashekar Patil, "Modelling of Metal Arc Welding Using Virtual Reality"- *Paper presented at* International Conference on contemporary issues in Science and technology, Singapore, 06 – 07 Apr. 2019.

[3]. **Bharath V G**, Dr. Rajashekar Patil, "Solid Modelling Interaction with Sensors for Virtual Reality Welding"- *Paper presented at* 2ndInternational Conference on Research in Mechanical Engineering Sciences (RiMES 2017), MIT, Manipal, 21 – 23Dec. 2017.

[4]. **Bharath V G**, Dr. Rajashekar Patil, "Solid Modelling Interaction with Sensors in Virtual Environment for the Application of Virtual Reality Welding"- *Paper presented at* 3rd International Conference on Current Trends In Computer, Electrical, Electronics And Communication, Mysuru, 08 – 09 Sept. 2017.

[5]. **Bharath V G**, Dr. Rajashekar Patil, "Designing interactive 3D modelling of virtual welding system from CAD to VRML"- *Paper presented at* 2nd International Conference on Sustainable Computing in Engineering, Science and Management (SCESM 2017), Jain College of Engineering, Belagavi, 27 – 28 Jan. 2017.

International Conferences Proceeding

[1]. **Bharath V G**, Dr. Rajashekar Patil, "Solid Modelling Interaction with Sensors for Virtual Reality Welding"- Matec Web of Conferences 144, 01008 (2018) (Scopus Index).

[2]. Bharath V G & Dr. Rajashekar Patil, "Solid Modelling Interaction with Sensors in Virtual Environment for the Application of Virtual Reality Welding", 3rd *International Conference on Current Trends in Computer, Electrical, Electronics and Communication (ICCTCEEC – 2017)*, **IEEE Conference Proceeding**, pp. 322-324.

National Conferences Publications/Presentations

[1]. Dr. Rajashekar Patil and **Bharath V G**, "A Course Delivery Plan using Cognitive, Psychomotor, Affective Domains and Rubrics for the Effective Teaching-Learning Process" – *Paper presented* at *National Conference* on Higher Education in INDIA: Challenges and opportunities, PES Institute of Technology and Management, Shivamogga, 15 Nov 2019.

[2]. **Bharath V G**, Dr. Rajashekar Patil, "Virtual Manufacturing: A Review"- *Paper presented at National Conference* on ERAME-2015, REVA Institute of Technology and Management, Bangalore, Mar 2015

[3]. Dr. B Gurudatt, Vikram Krishna, **Bharath V G** "Determination of critical speeds of a bladed rotor disc of a single stage impulse type high speed steam turbine"- *Paper presented* at 1st *National Conference* on Thrust Areas in Engineering, Global Academy of Technology, Bangalore. Jan 2012

Poster Presentations

[1]. **Bharath V G** & Dr. Rajashekar Patil, "Virtual Metal Forming"- Poster presented at IMTEX 2020, BIEC, Bengaluru, 23rd Jan – 28th Jan 2020.

[2]. **Bharath V G** & Dr. Rajashekar Patil, "Virtual Metal Arc Welding – Final Product"- Poster presented at IMTEX 2019, BIEC, Bengaluru, 24th Jan – 30th Jan 2019.

[3]. **Bharath V G** & Dr. Rajashekar Patil, "Human Computer Interaction Design for Virtual Welding Using Emerging Technologies"- Poster presented at 11th KSTA Conference 2019, NMKRV College, Bengaluru, 01st – 02nd Feb 2019.

[4]. **Bharath V G** and Dr. Rajashekar Patil, "Virtual Welding-Unskilled can be Skilled"- *Poster presented at* IMTEX 2018, BIEC, Bengaluru, 25th Jan – 30th Jan 2018.

[5]. **Bharath V G** and Dr. Rajashekar Patil, "Virtual Welding"- *Poster presented at* 10th Annual KSTA Conference 2018at REVA University, Bengaluru, 18th – 19th Jan 2018.

[6]. **Bharath V G**, Dr. Rajashekar Patil, Prashanth S N, "Virtual Arc Welding"- *Poster presented at* IMTEX 2017, BIEC, Bengaluru, 26thJan – 1stFeb 2017.

BOOKS

Title of the Book	ISBN	Publication	Year
Professional Workbook on Engineering Practices Laboratory	9798886295269	Notion Press	2022

WORKSHOPS/TRAINING CONDUCTED

[1]. Faculty coordinator for three days workshop on Entrepreneurship Awareness Camp at CMR University, Bengaluru, 25th-27th Oct 2018.

[2]. Resource person for Ten days Faculty Development Program on Computer Aided and Modelling Analysis Lab, at SJC Polytechnic, Bengaluru, 26th Dec 2016 to 4th Jan 2017

[3]. Faculty coordinator for one day seminar on Nanomaterials and Nanotechnology at Atria Institute of Technology, Bengaluru, 26th Nov 2016

[4]. Faculty co-ordinator for two day workshop on Quadcopter in association with IIT Bombay Tech Radiance at Atria Institute of Technology, Bengaluru, 22nd to 23rd September 2016

[5]. Course coordinator for one week Faculty Development Program on CAED, CAMD and Leadership at Atria Institute of Technology, Bengaluru, 1st July 2016 to 6th July 2016

WORKSHOPS/WEBINARS/TRAINING ATTENTED

[1]. 5 Days FDP on "Recent Trends in Application of Artificial Intelligence and Machine Learning in Engineering", by NMAM Institute of Technology, Nitte from 22 to 26 Mar 2021.
[2]. 5 Days ATAL FDP on "Electric Vehicles" from 01 Feb 2021 to 05 Feb 2021
[3]. 5 Days ATAL FDP on "Big data Analytics" from 25 Jan 2021 to 29 Jan 2021
[4]. 5 Days ATAL FDP on "Augmented Reality (AR)/ Virtual Reality (VR) for Welding" from 18 Jan 2021 to 22 Jan 2021.
[5]. 5 Days ATAL FDP on "Design Thinking" from 04 Jan 2021 to 08 Jan 2021.
[6]. One Week Online FDP on "Mechatronics", by Chennai Institute of Technology from 06th – 10th July 2020.

[7]. One Week Online FDP on "Purely the Fundamentals of Mechanical Engineering", by Chennai Institute of Technology from 01st – 05th June 2020.

[8]. One Day Workshop on "Research Scope in Mechanical Science", by Chennai Institute of Technology on 07th May 2020.

[9]. Two days workshop on "Introduction to Robotics" by E-yantra in association with IIT Bombay from 5th – 6th October 2018 at CMRIT, Bengaluru.

[10]. Three days workshop on "NPTEL Based Outcome Based Education" from 26th to 28th March 2018,at IISc, Bengaluru

[11]. AICTE Sponsored Two Weeks Faculty Development Programme on "Recent Development and Challenges in Materials and Manufacturing Process (RDCMMP 2018)" from 1st to 13th Jan 2018 at BIT, Bangalore

[12]. One day workshop on Medical Training, Golden Hour, Atria Institute of Technology Campus, Bengaluru, 02 Feb 2017

[13]. Four days workshop on Research Methodologies and LaTex: A typesetting software, Atria Institute of Technology, Bengaluru, 18 – 21 Jan 2017

[14]. One day seminar on Autodesk Fusion 360 at Hotel ITC Gardenia, Bengaluru, 23 Nov 2016

[15]. One day seminar on Skilling tomorrow's engineers with advanced product development capabilities by Siemens at Hotel Shangrila, Bengaluru, 27 August 2016

[16]. One day conference on MSc Software Simulation and Analysis at Hotel ITC Gardenia, Bengaluru, 2 September 2016

[17]. Two day workshop on CBCS at Atria Institute of Technology, Bengaluru, July 2016

[18]. Two day workshop on CBCS at REVA University, Bangalore, August 2014

[19]. One day training on Solidedge ST 7 at REVA University, Bangalore, Dec 2014

[20]. Four-day FDP on Technological Advancements in Manufacturing   and Application of Smart Materials, Structures and Systems at Vemana I T, 9th – 12th Dec 2013

[21]. Ten Day workshop on Engineering Design at UVCE Bangalore, Oct 2013

[22]. Two day training on Gas Turbine Technology at UVCE Bangalore, July 2013

GUEST LECTURES/TALKS

[1]. Career Advancement using Python Programming for Mechanical Engineers at BTL Institute of Technology, Bengaluru, Dec 2021
[2]. Virtual Reality Welding, Technical Talk for I/II Sem Students, CSE and IT Department, CMR University, Bengaluru, May 2020.
[3]. Design Philosophy, Tuesday's Technical Talk for Final Year Students, Mechanical Engineering, Atria Institute of Technology, Bengaluru, 6 Sept 2016

LINKS

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REFERENCES

[1]. **Dr. Balaveera Reddy**
Chairman, Board of Governors, NIT Suratkal
Former VTU Vice Chancellor
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[2]. **Dr. Rajashekar Patil**
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Department of Mechanical Engineering
CMR University
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Phone: +91-9448341489

[3]. **Dr. Shantharaja M**
Assistant Professor
Dept. of Mechanical Engg.
UVCE, Bangalore University
Email: shantharajam@gmail.com
Phone: +91-9448107709

PERSONAL DETAILS

Date of Birth	: 16 October 1988
Place of Birth	: Bangalore
Fathers Name	: Sri. Gururajan V
Mothers Name	: Smt. Lalithagururaj
Spouse Name	: Mrs. Pankaja T
Son Name	: Kum. Sughosh Bharath
Passport Number	: P2193955

OFFICIAL DETAILS

Address : Brindavan College of Engineering,
Department of Mechanical Engineering
Dwarakanagar, Bagalur Main Road,
Bengaluru – 560063

Email : dr.bharath@brindavancollege.com

CERTIFICATE

I hereby declare that the entries in this Bio-data are true to the best of my knowledge.

Date : 31.03.2022
Place : Bengaluru

Dr. Bharath V G