

BIODATA



Name : **Dr. ShivashankaraBS**
Designation : Assistant Professor
Qualifications : Ph.D, M.Tech., BE.
Date of Joining MCE : 03-08-2010
Affiliation : Department of Mechanical Engineering,
Malnad College of Engineering,
Hassan– 573202,Karnataka,India.
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Academic qualification:

Qualifications	Discipline/Specialization	Institute	Board/University	Year of Passing
Ph.D.	Materials and processing	Malnad College of Engineering, Hassan	VTU, Belagavi, Karnataka, India	2022
M.Tech.	Industrial Automation and Robotics	Malnad College of Engineering, Hassan	VTU, Belagavi, Karnataka, India	2006
B.E.	Industrial & Production Engineering	VVIET, Mysore	VTU, Belagavi, Karnataka, India	2003
P.U.C.	PCMB	Govt. P.U.College, Boovanahally	P.U.	1998
SSLC	Kannada Medium	C.K.S. High School, Boovanahally	KSEEB	1995
Field of Specialization: Automation, Material Processing, Composites, Friction Stir Processing, Robotics				
Area of Research work (Ph.D): Mechanical Engineering Sciences.				
Title of the Ph.D. Research Work: Severe Plastic Deformation of Aluminum Alloy AL7068 through Equal Channel Angular Pressing.				

Career Profile:

Designation	Institution/Organization	Period
Lecturer	Sapthagiri College of Engineering, Bangalore, India.	25/01/2008 to 30/06/2010
Assistant Professor	Malnad College of Engineering, Hassan, Karnataka, India	03 August 2010 to Till Date

Publications Details:

International Conferences

1. 1st International Conference on Innovations in Computing and Networking “wireless Robot Control with Robotic arm using MEMS and Zigbee”, Rajarajeswari College of Engineering, Bangalore, 2016.
2. International Conference on Trends in Mechanical Engineering Science. IOP Conference Series: Material Science and Engineering, “Investigation of Mechanical Properties of ECAP Processed AL7068 Aluminium Alloy, MCE, Hassan, 2020.
3. 5th International conference on Advanced Research in mechanical, Materials, and Manufacturing Engineering (ICAMMME-2021), “Effect of Processing Route on Grain Refinement and Mechanical Properties in ECAP of Al Alloy AA7068”, REVA University, Bangalore, July 2021.
4. 5th International conference on Advanced Research in mechanical, Materials, and Manufacturing Engineering (ICAMMME-2021), “Effect of Fiber Orientation on the Mechanical Properties of Unidirectional Basalt Fiber Reinforced Polymer Matrix Composites”, REVA University, Bangalore, July 2021.
5. 7th International conference on sustainable materials and recent trends in Mechanical Engineering (SMARTME-2023), “PLC Controlled Assembly Automation for spot welding”, 11th & 12th August 2023 at REVA University Bangalore.

National Conferences

1. National Conference on Emerging Technologies in Engineering” (NCETE-2023), “PLC Controlled Assembly Automation for spot welding work station”, conducted on 12th May 2023, at Navkis College of Engineering, Hassan, In Association with IEEE, IETE and CSI Student.

2. Third National Conference on Mechanical Engineering (NATCON.ME-2006),” Kanban-AMethodology ofMaterial Handling”, SIT, Tumkur,2006.

International Journals:

1. Sharath H.K. and Shivashankar B.S., “Book Handling Robot for Libraries”, InternationalJournalof EngineeringResearch & Technology(IJERT), Vol. 2Issue8, August– 2013
2. Raghavendra K.M, and Shivshankar B S, “Automating Inventory management Process”,IJRIT International Journal of Research in Information Technology, Volume 1, Issue 7,July, 2013, Pg. 160-167.
3. Geetha M.S and Shivashankara B.S. “Automated airfield controller system for avoidingair crashes in runway “, International Journal of Research in Engineering and Science(IJRES) ISSN (Online): 2320-9364, ISSN (Print): 2320-9356 www.ijres.org Volume 2Issue7 | July.2014 | PP.08-13
4. NaymanSuhilandShivashankaraB.S.DepartmentofMechanicalEngineering,Electronic Toll Collection System for Road Transportation, The International Journal of Science & Technoledge, Vol II, Issue VI, June2014.(ISSN 2321 – 919X)
5. P.KiranKumarandB.S.ShivaShankara“PLCBasedAutomaticFaultDetectionofRailway Track and Accidence Avoidance system” International Journal of EngineeringResearch and General Science Volume 3, Issue 2, March-April, 2015 ISSN 2091-2730185www.ijergs.org
6. Rakesh H K and Shivashankara B S “Wireless robot control with robotic arm using memsand zigbee”, International Conference on Innovation in computing & network, Dept. ofCSERRCE, (ICICN16) 12 & 13 May 2016
7. Vijaykumar G Tile, Shivashankara B.S, Raghavendra R.R, Sajjan Acharya K and Vishal Somanna K V” Review on Exhaust Gas Heat Recovery for I.C. Engine Using Refrigeration Systems”, International Journal on Emerging Technologies (Special IssueonICRIET-2016)7(2): 154-157(2016)
8. Bashuraja S G and Shivashankara B S “Controlled pitch propeller system for ship using linear variable differential transformer”, IJRTER journal,Volume2, Issue 5;May2016.
9. VijaykumarGTile,RaghavendraRaoR,BSShivashankara,PrijeshShetty,SharathC M.A “Review on metal hydride-based hydrogen energy storage”, International Journal ofEngineering Research and Advanced Technology (IJERAT) ISSN: 2454-6135 [SpecialVolume.02Issue.01, May-2016]
10. Mahalakshmi T and Shivashankara B.S.“Automation assisted car Parking System”,IJSER,Volume6,Issue 7; July 2017.ISSN 2229-5518.
11. D. N. Ravikiran, S. Pradeep & B. S. Shivashankar, “Friction stir welding of dissimilaraluminum alloys AA6061 - AA7075”, International Journal of Engineering Research and Modern Education (IJERME) Impact Factor:6.525,ISSN(Online):2455-4200(www.rdmodernresearch.com)Volume2, Issue 2,2017.

12. Rakshak T B and Shivashankara B S “PLC Controlled Automated Multiple ConveyorSystem for Sorting Process” International e-Journal for Technology and Research-2017,vol1, Issue 7, 2017.
13. Asha I. V. and Shivashankara B S, “Material Handling Robot for Smart Manufacturingin Industries” IDL- International Digital Library of Technology &Research, Vol. 1, Issue6 June2017.
14. Ranjith A V SreeRajendra, Shivashankara B S and Sharath H K “Intellectual \$ wayTraffic Control System Using PLC and SCADA” IRJET,Vol. 05 , Issue 06 ,pp 316-318,2018.
15. Veena C D, Sharath H K, Sree Rajendra and Shivashankara B S, “Design and Fabricationof PLC and SCADA based Robotic Arm for Material Handling”, International ResearchJournalof Engineering & Technology (IRJET),Vol.5, Issue 6, June– 2018
16. Ranjith A V, SreeRajendra, Shivashankara B S and Sharath H K, “Smart Traffic ControlSystemUsingPLCandSCADA”,IJSART-Vol04,Issue06-,ISSN-2395-1052,2018.
17. Spoorthiraj K N and Shivashankara B S “Fabrication of Working Model of PLC basedAGV for Serving in Hotel”, International Journal for Science and Advanced Research inTechnology,Vol 7,Issue7, pp 106-109, 2018.
18. Shreedhar M.B and Shivashankara B.S., “PLC based automatic fuel dispensing system using RFID technology”, International Journal of Engineering Applied Sciences and Technology, Vol. 4,Issue1,ISSN No. 2455-2143, Pages54-57, 2019.
19. Nitin D.V. and Shivashankara B. S. "Electronic voting system using automated biometric voter authentication system "International Journal of Engineering Applied Sciences and Technology, Vol. 4,Issue2,ISSN No. 2455-2143, Pages 160-163,2019.
20. MahendrakumarD.M.,ShivashankaraB.S.andVidhyaK.,”AutomatedSafetyIntegrated System for Chemical Industry”, International Research Journal of Engineeringand Technology (IRJET) e-ISSN: 2395-0056, Volume: 07 Issue: 08 | www.irjet.net p-ISSN:2395-0072, Aug 2020.
21. Vinay M.S, Shivashankara B.S and Gayathri K.V, “Automated Water Treatment Plant”,International Research Journal of Engineering and Technology (IRJET)Volume7,Issue10, October 2020 <https://irjet.net/volume7-issue10> S.No: 83

ListofFDPs/Workshops/SymposiumsAttended

Sl.No.	Title	Duration	Venue
TwoweeksAICTESponsoredFDPsAttended–02			
1.	Formulation, Modeling & Practical Applications of Operations Research(FMPAOR-2015)	25/05/15 to 06/06/15	MCE,Hassan
2.	Recent Developments in Advanced Composite Materials, Manufacturing and	10/01/20 to 22/01/20	PDA College of Engg, Kalaburagi.

	Sustainability		
OneweeksfDPsAttended–14			
1.	Computer Aided Modeling and Analysis	04/02/09 to 08/02/09	MCE,Hassan
2.	Micro & Nano Fabrication	27/02/12 to 02/03/12	IITKANPUR
3.	ComputationalFluidDynamics	25/03/13 to 29/03/13	RVCE,Bangalore
4.	Recent Advances in Thermal Engineering and its Applications (RATA-13)	20/05/13 to 24/05/13	MCE, Hassan
5.	Analytical and Numerical Techniques in Applied Mathematics and Engineering	28/07/14 to 02/08/14	MCE, Hassan
6.	EssentialSkillsforMechanicalEngineering(ESME-14)	01/09/14 to 05/09/14	MCE, Hassan
7.	Materials and Processes for High Temperature Applications	06/06/16 to 10/06/16	IIT ROORKEE
8.	Pedagogical Training	11/07/16 to 15/07/16	MCE, Hassan
9.	Geometric Dimensioning & Tolerancing	20/03/17 to 24/03/17	CMTI,Bangalore
10.	Emerging Trends in Materials and Manufacturing Technology	27/02/17 to 03/03/17	MCE, Hassan
11.	DesignofThermalSystems	27/08/18 to 31/08/17	MCE, Hassan
12.	Research Opportunities and Challenges in Advance Materials and manufacturing	17/12/18 to 22/12/18	MCE, Hassan
13.	Research& Innovation	17/08/20 to 21/08/20	VVCE, Mysore
14.	Basic Concepts in Turbomachinery anditsApplications	24/08/20 to 28/08/20	NIE, Mysore
15.	StrategicplanningforHighereducationinstitutions: Challenges, tolls,Technology.	01-02-2021 to 06-02-2021	MIET, Jammu.
16.	Creating the Smart and Green Society through Advanced Technology of Green energy: Phase-I	10-12-2020 to 15-12-2020	MCE, Hassan
17.	Creating the Smart and Green Society Through Advanced Technology of Green energy: Phase-II	17-12-2020 to 22-12-2020	MCE, Hassan
Three days FDPs Attended –4			
1.	Deriving Program EducationalObjectives/ Program Outcomes/ CourseOutcomes/ Assessments for NBA Self-AssessmentReport	11/07/13 to 13/07/13	MCE, Hassan
2.	Hydraulic, Pneumatic Systems inIndustrialAutomation	27/01/14 to 29/01/14	MCE, Hassan

3.	Innovative Teaching Methodologies	10/03/17 to 12//03/17	IITBOMBAY
4.	Advances in Welding and Materials Processing	18/12/17 to 20/12/17	PSG College of Technology, Coimbatore
Two days FDPs Attended–2			
1.	MATLAB & Simulink Application inEngineering	18/03/17 to 19/03/17	MCE, Hassan
2.	Applied Sensor Technology	27/03/17 to 28/03/17	Bosch Rexroth, Bangalore
One day Workshops /Symposiums Attended-6			
1.	One day workshop on Significance of 3D Modeling and Design Validation	On17/10/2008	MSRIT Bangalore
2.	3D Printing & Additive Manufacturing Technologies Applications	On21/02/2015	Jain University Bangalore
3.	National Workshop on Research Methodology	On04/03/2015	BIT, Bangalore
4.	Essentials for Academic Research	On20/07/18	MCE,Hassan
5.	Outcome-Based Education-New Model Curriculum for PG Course	On06/08/18	BNMIT,Bangalore
6.	Feel Teacher -Developing Counseling and Mentoring	On02/11/2019	MCE, Hassan
One year Engineering Educator Certification Program Attended			
1.	IUCEE International Engineering Educator Certification Program, Spring2020, from January2020 to December 2020, Awarded from: Indo-Universal collaboration for Engineering Education (IUCEE) and IGIP (International Society for Engineering Education-Austria.		

In-plant Industrial Training Participations:

Sl.No.	Title	Duration	Industry
1.	One month Industrial Training- Micro Controller Applications	16/08/05 to16/09/05	Govt. Tool Room & Training Center, Bangalore.
2.	One and Half month Industrial Training on Exposure to the Manufacturing Process of Single Cylinder Fuel Injuction Pumps.	26/10/05 to13/12/05	MICOBOSCH, Bangalore
3	Twenty days Industrial Training on DCS, PLC, SCADA Systems	30/10/2006to 17/11/2006	Honeywell Automation India

			Limited, Pune.
4	Six months in-plant industrial project trainee on “Assembly Line Automation Project-Phase-I for Heavy Earth MoversEngineBlock”	01/01/2006to 30/06/2006	BEML,Mysore.
5	One week in plant Industrial Training on DCS &PLC	20/11/06 to24/11/06	RCF Limited, Chembur, Mumbai.

Academic Position Held:

- 1) Deputy Chief Superintendent, Valuation Center, Malnad College of Engineering, Hassan for a period of four years.
- 2) College level Sports convener for three years.
- 3) CIE coordinator, Department of Mechanical Engineering (UG), Malnad College of Engineering, Hassan.
- 4) Member- BOS, Department of Mechanical Engineering (UG), Malnad College of Engineering, Hassan
- 5) Member- BOS, Industrial Automation and Robotics(PG), Malnad College of Engineering, Hassan
- 6) Member, BOE, Industrial Automation and Robotics (PG), Department of Mechanical Engineering, Malnad College of Engineering, Hassan for a period of 02 years from April 2020.
- 7) Member- Department Academic Committee (PG), Department of Mechanical Engineering, Malnad College of Engineering, Hassan.
- 8) NAAC Department Coordinator(UG), Department of Mechanical Engineering, Malnad College of Engineering, Hassan.
- 9) Contineo Coordinator (PG) Industrial Automation and Robotics, Department of Mechanical Engineering, Malnad College of Engineering, Hassan.