

BIO DATA



Name : **Shivashankara B S**

Designation : **Assistant Professor**

Qualifications : **M.Tech., Pursuing Ph.D.**

Date of Birth : **03-06-1980**

Affiliation : Department of Mechanical Engineering,
Malnad College of Engineering,
Hassan – 573202, Karnataka, India.

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Academic Performance:

Qualifications	Discipline/ Specialization	Institute	Board/ University	Year of Passing
Ph.D. (Pursuing)	Materials and processing	Malnad College of Engineering, Hassan	VTU, Belagavi, Karantaka, India	Comprehensive Viva is Completed
M.Tech.	Industrial Automation and Robotics	Malnad College of Engineering, Hassan	VTU, Belagavi, Karantaka, India	2006
B.E.	Industrial & Production Engineering	VVIET, Mysore	VTU, Belagavi, Karantaka, 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.

National Conferences

1. Third National Conference on Mechanical Engineering (NATCON.ME-2006),” Kanban-A Methodology of Material Handling”, SIT, Tumkur, 2006.

International Journals:

1. Sharath H.K. and Shivashankar B.S., “Book Handling Robot for Libraries”, International Journal of Engineering Research & Technology (IJERT), Vol. 2 Issue 8, August – 2013
2. Raghavendra K.M, and Shivashankar 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 avoiding air crashes in runway “, International Journal of Research in Engineering and Science (IJRES) ISSN (Online): 2320-9364, ISSN (Print): 2320-9356 www.ijres.org Volume 2 Issue 7 | July. 2014 | PP.08-13
4. Nayman Suhil and Shivashankara B.S. Department of Mechanical Engineering, Electronic Toll Collection System for Road Transportation, The International Journal of Science & Technoledge, Vol II, Issue VI, June 2014. (ISSN 2321 – 919X)
5. P. Kiran Kumar and B.S. ShivaShankara “PLC Based Automatic Fault Detection of Railway Track and Accidence Avoidance system” International Journal of Engineering Research and General Science Volume 3, Issue 2, March-April, 2015 ISSN 2091-2730 185 www.ijergs.org
6. Rakesh H K and Shivashankara B S “Wireless robot control with robotic arm using mems and zigbee”, International Conference on Innovation in computing & network, Dept. of CSE RRCE, (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 Issue on ICRIET-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, Volume 2, Issue 5; May 2016.
9. Vijaykumar G Tile, Raghavendra Rao R, B S Shivashankara, Prijesh Shetty, Sharath C M.A “Review on metal hydride-based hydrogen energy storage”, International Journal of Engineering Research and Advanced Technology (IJERAT) ISSN: 2454-6135 [Special Volume. 02 Issue.01, May-2016]
10. Mahalakshmi T and Shivashankara B.S. “Automation assisted car Parking System”, IJSER, Volume 6, Issue 7; July 2017. ISSN 2229-5518.
11. D. N. Ravikiran, S. Pradeep & B. S. Shivashankar, “Friction stir welding of dissimilar aluminum alloys AA6061 - AA7075”, International Journal of Engineering Research and Modern Education (IJERME) Impact Factor: 6.525, ISSN (Online): 2455 - 4200 (www.rdmodernresearch.com) Volume 2, Issue 2, 2017.

12. Rakshak T B and Shivashankara B S “PLC Controlled Automated Multiple Conveyor System for Sorting Process” International e-Journal for Technology and Research-2017, vol 1, Issue 7, 2017.
13. Asha I. V. and Shivashankara B S, “Material Handling Robot for Smart Manufacturing in Industries” IDL- International Digital Library of Technology & Research, Vol. 1, Issue 6 June 2017.
14. Ranjith A V SreeRajendra, Shivashankara B S and Sharath H K “Intellectual \$ way Traffic 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 Fabrication of PLC and SCADA based Robotic Arm for Material Handling”, International Research Journal of Engineering & Technology (IRJET), Vol. 5, Issue 6, June – 2018
16. Ranjith A V, SreeRajendra, Shivashankara B S and Sharath H K, “Smart Traffic Control System Using PLC and SCADA”, IJSART- Vol 04, Issue 06-, ISSN- 2395-1052, 2018.
17. Spoorthiraj K N and Shivashankara B S “Fabrication of Working Model of PLC based AGV for Serving in Hotel”, International Journal for Science and Advanced Research in Technology, Vol 7, Issue 7, 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, Issue 1, ISSN No. 2455-2143, Pages 54-57, 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, Issue 2, ISSN No. 2455-2143, Pages 160-163, 2019.
20. Mahendrakumar D. M., Shivashankara B. S. and Vidhya K.,” Automated Safety Integrated System for Chemical Industry”, International Research Journal of Engineering and 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) Volume 7, Issue 10, October 2020 <https://irjet.net/volume7-issue10> S.No: 83

List of FDPs / Workshops/ Symposiums Attended

Sl. No.	Title	Duration	Venue
Two weeks AICTE Sponsored FDPs Attended – 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		
One weeks FDPs Attended – 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	IIT KANPUR
3.	Computational Fluid Dynamics	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.	Essential Skills for Mechanical Engineering (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.	Design of Thermal Systems	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 and its Applications	24/08/20 to 28/08/20	NIE, Mysore
15.	Strategic planning for Higher education institutions: 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 Educational Objectives/ Program Outcomes/ Course Outcomes/ Assessments for NBA Self-Assessment Report	11/07/13 to 13/07/13	MCE, Hassan
2.	Hydraulic, Pneumatic Systems in Industrial Automation	27/01/14 to 29/01/14	MCE, Hassan

3.	Innovative Teaching Methodologies	10/03/17 to 12//03/17	IIT BOMBAY
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 in Engineering	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	On 17/10/2008	MSRIT Bangalore
2.	3D Printing & Additive Manufacturing Technologies Applications	On 21/02/2015	Jain University Bangalore
3.	National Workshop on Research Methodology	On 04/03/2015	BIT, Bangalore
4.	Essentials for Academic Research	On 20/07/18	MCE, Hassan
5.	Outcome-Based Education-New Model Curriculum for PG Course	On 06/08/18	BNMIT, Bangalore
6.	Feel Teacher -Developing Counseling and Mentoring	On 02/11/2019	MCE, Hassan
One year Engineering Educator Certification Program Attended			
1.	IUCEE International Engineering Educator Certification Program, Spring 2020, from January 2020 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 to 16/09/05	Govt. Tool Room & Training Center, Bangalore.
2.	One and Half month Industrial Training on Exposure to the Manufacturing Process of Single Cylinder Fuel Injection Pumps.	26/10/05 to 13/12/05	MICO BOSCH, Bangalore
3	Twenty days Industrial Training on DCS,PLC,SCADA Systems	30/10/2006 to 17/11/2006	Honeywell Automation India

			Limited, Pune.
4	Six months inplant industrial project trainee on “Assembly Line Automation Project- Phase-I for Heavy Earth Movers Engine Block”	01/01/2006 to 30/06/2006	BEML, Mysore.
5	One week in plant Industrial Training on DCS & PLC	20/11/06 to 24/11/06	RCF Limited, Chembur, Mumbai.

Declaration:

I hereby confirm that the information referred to above is accurate to my knowledge and I bear the responsibility for the above.

Shivashankara B S