CURRICULUM VITAE

Objective: To succeed in an environment of growth, excellence and earn a job that provides me with jobsatisfaction, self-development, and helps me achieve personal as well as organizational goals.

1.	**Name**	**:**	**Dr. SYED BAVA BAKRUDEEN. A**
2.	**Specialization**	**:**	**Manufacturing**
3.	**Department**	**:**	**Mechanical**
4.	**Date of Birth**	**:**	**17-05-1977**
5.	**Age & sex**	**:**	**46 years & Male**
6.	**Email ID**	**:**	**badrunesha@gmail.com**
7.	**Mobile**	**:**	**8675526313**
8.	**Nationality**	**:**	**Indian**
9.	**Permanent Address**	**:**	**27, Bharathidasan Street, Ponmalaipatti, Tiruchirappallli-620004, Tamil Nadu, India.**

10. Educational Qualification :

Program	University / College	Period		Duration	Rank & %	Specialization
		From	To			
Ph. D	Periyar Maniyammai Inst. Sci &Tech, Vallam, Thanjavur	15/09/2014	20/04/2023	8 Yrs & 7 Mths	1st Class	**Iron based SMA**
M.E.	Anna University, Chennai /Jayaram CET, Tiruchriappalli.	12/07/2006	13/06/2008	2 Yrs	1st Class & 73%	**Manufacturing**
B.E.	Bharathidasan University, Trichy/ SACET, Tiruchirappalli.	24/07/1995	22/04/1999	4 Yrs	1st Class & 61%	**Mechanical**
HSC	Tamil Nadu State Board	08/04/1992	21/03/1995	3 Yrs	1st Class & 75%	Mathematics Biology
10th	Tamil Nadu State Board	20/05/1991	20/04/1992	1 Yr	1st Class & 82%	Mathematics and Science

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11. Ph.D. Research Topic:

An investigation of shape recoverability of Fe-Mn-Si-Cr-Ni shape memory alloy using various process control parameters

12. Essential Experience:

Position	Period of Service		Duration	Monthly Pay scale (INR)	Name of Office Organization	Nature of work
	From	To				
Supervisor	02/06/1999	03/06/2002	3 Years	3,000/-	Venkada Engg., Trichy	Industrial
Junior Engg.	05/06/2002	13/06/2006	4 Years	9,000/-	Hilda industries, Trichy	Industrial
Lect.	29/06/2007	08/05/2009	2 Years	11,450/-	SACET, Trichy	Teaching
Sr. Lect.	21/06/2009	30/11/2010	1 Year & 5 Months	18,000/-	PRIST University, Thanjavur	Teaching
Asso. Prof.	04/05/2011	24/07/2012	1 Year & 2 Months	28,500/-	M.A.M.C.E, Trichy.	Teaching & T&P
Asso. Prof.	15/10/2012	25/12 /2017	5 Years	($)2,075	Aksum University, Ethiopia.	Teaching & HoD
Project Head	25/08/2018	Till Date	5 Years	40,000	Cognitive-i IT Sol. Pvt Ltd, Salem	Training & Consult

13. Work Experience:

a. Industries : 10 Years & 1 Month
b. Teaching & Consultancy : 11 Years & 7 Months (5 Yrs international)

14. Subjects already handled:

Design of Machine Elements, Design of Transmission System, Strength of Materials, Engineering Mechanics (Statics & Dynamics), Robotics, Manufacturing Technology, Dynamics Lab, Strength of Materials Lab, Manufacturing Technology Lab, Solid works Lab, Ansys Lab and Advanced Materials & Mechatronics subjects for Masters.

15. Positions held earlier

Head of Department (HoD), Training and Placement officer (T&P), Laboratory In-charge, Course co-coordinator, Student co-coordinator and Consultant.

16. Award

The Aksum University Student Association in Ethiopia selected me as the best teacher in 2016.

17. Software Skill:

S.No	Skill Title	Skill level	Experience (Yrs)
1.	Auto CAD	Intermediate	3
2.	Solid Works	Proficient	4
3.	Ansys	Intermediate	2
4.	PLC	Basic	0

18. Language Skill:

S.No	Language Name	Skill level
1.	English	Speak, read and write
2.	Hindi	Speak, read and write
3.	Tamil	Speak, read and write

19. Funded Projects : 04

S. No	Name	Amount Granted	Agency	Year
1.	Solar Hybrid Pump for Aksum University	$1,200	Aksum University Research & community service, Ethiopia	2014
2.	Preparation of Charcoal using Waste Paper and Dry Agricultural Wastes	$900	Aksum University Student Association, Ethiopia	2015
3.	Quad Copter for Ethiopian Border Surveillance	$1,400	Aksum University Research & community service, Ethiopia	2016
4.	AI-ERP Software	More than a Crore	Cognitive-i IT Solutions Pvt. Ltd.	Currently going on

20. Consultancy : 02

S. No	Name	Amount Granted	Agency	Year
1.	Search of Gold and Precise Minerals in Ethiopia	-------	Ministry of Defiance, Ethiopia	2017
2.	Design of Automatic controlled Solar PV module cleaning system	30,000	Cognitive-i IT Solutions Pvt. Ltd.	2022

21. Patent: 01

S. No	Name	Agent	No.	Date
1.	A Composition and a method of Preparing nano crystalline Powder	CIPC Intellectual Property online, South Africa.	2022/ 07353	05/07/2022

22. Internship: 01

S. No	Name	Period	Duration
1.	BHEL , Tiructhirappalli	15/06/98 to 27/06/98	2 weeks

23. Extracurricular Actives: 02

S. No	Details	Year
1.	NCC: "C" Certificate holder during middle school	1989
2.	Poetry Contest: 3rd Prize Winner in the College Competition	1998

24. Journal (International Journal): 07

1. **Effect of compaction pressure, sintering temperature and recovery heat treatment temperature of powder metallurgical Fe-20Mn-5Si-5Ni-8Cr shape memory alloy. MRS Advances, 2022,** 7(10), 222-228. DOI: https://doi.org/10.1557/s43580-022-00247-w **(Springer, ESCI, Scopus, WoS & UGC CARE Journal)**

2. **Fabrication and characterization of nano structured Fe–28Mn–6Si–5Cr shape memory alloy. IJAAS, 2022,** 9(9), 33-40, DOI:10.21833/ijaas.2022.09.005 **(ESCI, Scopus, WoS & UGC CARE Journal)**

3. **Design and Analysis of Butterfly Valve Disc Using Aluminium (1100) and Al-CNT4% Composite Material** was published in **Woolega University- STAR Journal** in Oct-Dec, 2013, Volume 2 and Issue 4 in January 2014. DOI: http://dx.doi.org/10.4314/star.v2i4.18

4. **Dramatic improvement in mechanical properties and SEM Image analysis of Aluminum with Carbon Nanotube** was published in **IEEE Explore**r conference proceedings on September 30,2013. DOI: 10.1109/ICANMEET.2013.6609272 **(WoS Journal)**

5. **Microstructure Exploration of the Aluminum-Tungsten Carbide Composite with different Manufacturing circumstances** by International Journal of Soft Computing and Engineering **(IJSCE)** in volume 2 and Issue 2 on January 2013.

6. **Contemplation of mechanical and Thermal Properties of Aluminum (1100) with Silicon Carbide** was published by International Journal for Engineering and Advanced Technology andResearch **(IJEAT)** in volume 2 and Issue 2 on December 30,2012.

7. **Investigation of Physical and Thermal Properties of Aluminum with Carbon Nano Tubes** was published by International Journal for Science, Engineering, Technology and Research **(IJSETR)** in volume 1 and Issue 6 on December 12, 2012.

25. National Journal : 01

1. **Contemplation of Microstructure Deflection of Butterfly Valve Disc using Al (1100) and Al-SiC15% Composite Material,** Indian J.Sci.Res. 14 (1): 152-158, 2017 **(UGC CARE Journal)**

26. International Conference: 05 (01 Organized)

1. **Investigation of Mechanical and Thermal properties of Aluminum (1100) with silicon carbide** was presented in ICST-2013 was conducted by BAHIRDAR UNIVERSITY, Bahirdar, Ethiopia on 18/05/2013.

2. **Dramatic improvement in mechanical properties and SEM Image analysis of Aluminum with carbon nanotube** was presented in ICANMEET 2013 was conducted by SATHYAPAMA UNIVERSITY, Chennai, India on July 24 to 26, 2013.

3. **Optimization of Butterfly Valve Disc Using Aluminium (1100) and Al-CNT4% Composite Materia**l was presented in ICAST-2014 was conducted by BAHIRDAR UNIVERSITY,Bahirdar, Ethiopia on 16 & 17/05/2014.

4. **Solar Hybrid Water Pump for Aksum University** was presented in IWRET-2015 was conducted by Aksum University, Ethiopia on 23/01/2015. **(Organized)**

5. **An Investigation in Shape recoverability of green sintered Fe-24Mn-5Si-5Ni-4Cr powder alloy. Presented in International Conference** "ICMCCT 2022" at Annai Vailankanni College of Engineering and Technology, Kanyakumari District, Tamil Nadu.

27. National Conference: 02

1. **Product Life Cycle development of Butterfly Valve** presented in 2nd National Conference on Recent Trends in Mechanical Science was conducted by JCET, Trichy on 28.04.2009.

2. **Contemplation of microstructure deflection of butterfly valve disc using aluminium (1100) and Al-Sic15% Composite material** presented in national Conference in PMIST & also Published in Indian Journal of Scientific Research, Volume 14, issue 1, 2016 & page 152 to 158.

28. Faculty Development Program: 04 (01 Organized)

1. AICTE Sponsored FDP on **Advances in Welding Technology** was conducted by Mokambigai College of Engineering, Pudukottai from 03.12.2007 to 14.12.2007.

2. AICTE Sponsored FDP on **Quantitative Research Techniques For Engineers and Researchers** was conducted by NIT, Trichy from 21.12.09 to 02.01.10.

3. **Wipro Sponsored Mission10x FDP** was conducted by MAMCE, Tiruchirappalli from 13.12.11 to17.12.11.

4. Gunt (Germany) **Advanced training of the G.U.N.T products**, Axum, Ethiopia on 08/06/2015 to 26/06/2015. **(Organized)**

29. Work shop and Seminar: 04

1. Two day workshop on **Non Destructive Testing** was conduted by Jayaram College of Engineering and Technology, Pudukottai from 16.10.06 to 17.10.06.

2. AICTE sponsored two day seminar on **Recent Trends in Renewable Energ**y was conducted by Mookambigai College of Engineering, Pudukottai from 17.04.09 to 18.04.09.

3. One day workshop on **Optimization Techniques in Engineering & Management** was conducted by PRIST UNIVERSITY, Vallam on 26.08.09.

4. Two day workshop on **Research methods for Engineering Faculty** was conducted by BIT, Sathyamangalam from 18.12.09 to 19.12.09.

30. Symposium (Participated): 02

1. **A Study of OSWEC-HYDROGEN SYSTEM** was published in National level Technical Symposium ESTEEM'99 was conducted by RVSCET, Dindigul from 05.03.99 to 06.03.99.

2. **A Study of OSWEC-HYDROGEN SYSTEM** was published in Inter Collegiate Technical Symposium PARLEY' 99 was conducted by Mookambigai College of Engineering, Pudukottai. from 12.03.99 to13.03.99

31. Consolidated all the Details

S.No	Programs Participated	Nos
1.	Funded Projects	4
2.	Consultancy	2
3.	Patent	1
4.	International Journal	7
5.	National Journal	1
6.	International Conference	5
7.	National Conference	2
8.	FDP/Workshop/Seminar/Symposium	10
9.	International Conference /FDP Conducted	2
10.	Internship	1
11.	Extracurricular Activities	2

32. Citations:

1. **Google Scholar :**https://scholar.google.com/citations?user=SnO6PlIAAAAJ&hl=en
2. **Orchid id : **http://orcid.org/0000-0003-3072-7801
3. **Scopus Id :**https://www.scopus.com/authid/detail.uri?authorId=57475668800
4. **Web of Science :** https://www.webofscience.com/wos/author/record/IXD-6392-2023

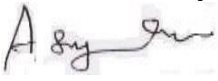
33. References

S.No	Name	Designation	Mobile	Email ID	Correlation
1	Dr. D. Jeyasimman	Prof., Director, Dept. of Research, Periyar Maniammai IST (PMIST), Thanjavur.	94860 20248	jeyasimman76@gmail.com	Research Supervisor for my Ph.D.
2	Dr. V. Jayapraksh Narayanan	M.D, Cognitive-i IT solutions Pvt. Ltd.	97901 88544	vanijp2010@gmail.com	M.D for me from 2018 to till date
3	Dr. J. Thiyagarajan	Asso. Prof., Mech. Dept., JJCET, Trichy	90039 76775	connectthiagarajan@gmail.com	D.C member & my HoD in 2021-22

Declaration:

I hear by humbly site that the above stated information is true and best of my knowledge.

Yours Sincerely,



(Dr. Syed Bava Bakrudeen. A).