

Name of Faculty Dr B. V. S. RAO
 Designation ASSISTANT PROFESSOR
 Nature of Job/Appointment Regular
 Date of Joining 01/07/2009
 E-mail bvsrao_mech@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Mechanical)	Awarded
PG	M Tech (Advanced Manufacturing Systems)	First Class with Distinction
UG	B.E (Mechanical with specialization in Production)	First

Work Experience

Teaching	19 Years (Includes Research Experience)
Research	12 years
Industry	9 years
Others	nil

Area of Specialization Manufacturing and Industrial engineering

Professional Memberships ISTE LIFE MEMBER

Responsibilities held at Institution Level

1. Working As Joint Coordinator In The Institution's Alumni Coordination Committee
2. Member, Internal Complaints Committee

Responsibilities held at Department Level

Member Of Course Expert Group—Production (CEG)

Research Guidance --

Awards Received --

Courses Handled at Under Graduate / Post Graduate Level.

Manufacturing processes, Metal forming Technology, Tool Design, CAD/CAM, Engineering Drawing, Industrial Administration and Financial Management, Principles of Industrial Engineering, Computer Integrated Manufacturing , Metal Cutting And Machine Tool Engineering

No. of Papers Published

National Journals	–06	International Journals	– 20
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National Conference	– 04	International Conference	– 10
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Projects Carried out --

Patents --

Technology Transfer --

Invited Speaker --

No. of Books/Chapter Published with details

1. Published Book Titled “ Experimental And Numerical Studies On Axisymmetric And Non Axisymmetric Deep Drawn Cups, publishers, EDUCREATION PUBLISHING ”,2019
2. Published One Book titled Analytical And Experimental Evaluation Of Flange Wrinkling In Sheet Metal Forming. Publishers, ARCHERS AND ELEVATORS PUBLISHING HOUSE.,2018

Details of Short-Term Training Programs / Faculty Development Programs / Seminars / Workshops / Other Trainings (Attended and/or Organized).

1. Successfully Completed “Work Smarter, Not Harder: Time Management for Personal & Professional Productivity” an online non-credit course authorized by UNIVERSITY OF California and offered through Coursera on 6 /06/ 2020.
2. Successfully Completed “Digital Thread :components an online non-credit course authorized by UNIVERSITY OF NEWYORK

- and offered through Coursera on 10/05/2020.
3. Successfully Completed "Digital Manufacturing Design an online non-credit course authorized by UNIVERSITY OF NEWYORK and offered through Coursera on 27-04-2020.
 4. Attended A one week FDP on Disruptive technologies in Mechanical Engineering Organized BY SRINIDHI INSTITUTE OF TECHNOLOGY, between 8/6/20 to 13/06/20
 5. Attended A One Week Online FDP on "INDUSTRY 4.0 - A VISION OF DESIGN AND MANUFACTURING" organized by Mechanical Engineering Department, Chaitanya Bharathi Institute of Technology, Hyderabad, during 16-06-2020 to 20-06-2020
 6. Attended A .One Week Online FDP on "Outcome Based Education and NBA Accreditation Process" organized by Chaitanya Bharathi Institute of Technology, Hyderabad, during 28-05-2020 to 01-06-2020
 7. Attended A One Week FDP ON COMPUTER INTEGRATED MANUFACTURING organized by NITTTR, Chandigarh from 25.05.2020 to 29.05.2020,
 8. A .One Week FDP On SOCIAL ENTREPRENEURSHIP FOR TECHNICAL ENTREPRENEURS organized by NITTTR, Chandigarh from 18.05.2020 to 22.05.2020,
 9. A One Week FDP On Waste Management. organized by NITTTR, Chandigarh BETWEEN 11/5/TO 15/5/20
 10. A One Week FDP On CAD/CAM During 27/4 /20 To 1/5/20 organized by NITTTR, Chandigarh
 11. Participated in 2day programme on PATTERN DESIGN & METHODING IN FOUNDRIES on 20.06.2020 to 21.06.2020, 2020 organised by MSME-TECHNOLOGY DEVELOPMENT CENTRE (PPDC), Agra
 12. Participated In 12 Online Sessions Conducted By IIC Of MHRD'S Innovation Cell, New Delhi From 28/04/2020-22/05/32020.
 13. Completed NPTEL, Swayam online Course On Principles Of Industrial Engineering in June 2020 [12 Weeks].
 14. A one week FDP from NPTEL On Principles Of Metal Forming Technologies, July-Sept 2019 [8 Weeks].
 15. A one week FDP from NPTEL On Principles Of Manufacturing Process Technologies, Jan-April 2019 [12 Weeks]
 16. A one week FDP from NPTEL On Fundamentals Of Welding Science And Technology Jan-March 2019 [8 Weeks]
 17. Participated in a one week work shop on Establishment and management of Incubation Centers, conducted by NI-MSME, HYDERABAD. during 7/1 to 11/1/2019.
 18. One week FDP on Entrepreneurship at Institute of Aeronautical Engineering from 16-11-2018 to 29-11-2018

International/National Journals from the Year 2017

1. B V S Rao, P Anjani Devi, experimental analysis of composite brake linings, International Journal of Mechanical and Production Engineering Research and Development; ISSN: 2249-6890; E-ISSN: 2249-8001 (Online) – SCOPUS INDEXED. Vol 10, issue 3, June 2020.
2. G Kishan, B V S Rao, Mathematical Modelling And Analysis Of Hoop Stress In Hydroforming Deep Drawing Of N –Sided Polygonal Cup, International Journal Of Innovative Technology And Exploring Engineering (IJITEE), ISSN NO 2278-3075, Vol 9 , Issue 8, June 2020.
3. P V R Ravindra Reddy , , Dr. G Chandra Mohan Reddy, B V S Rao, Laxmaiah ,” Effect of Various Parameters on the Bead Geometry and Flexural strength of MIG welded Joint”, (IJITEE) international of Innovative Technology and Exploring Engineering, ISSN 2278-3075, volume 9 ,issue 3, January 2020.
4. Dr. B V S Rao, Determination of formability of bimetallic sheet using forming limit diagram, Materials Today Proceedings. 18 (2019)2787-2795
5. Dr B.V. S RAO, P. Ravi Kiran, Y. Shashank, S. Goutham Experimental Investigation of Spring Back and Wrinkling Phenomena in Square Pipes during Bending, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (ONLINE): 2249-8001; ISSN (PRINT): 2249-6890; Impact Factor(Jcc) (2019): 8.8746; Index Copernicus Value (Icv) - (2016): 60.6; Naas Rating: 3.11; Vol - 9, Issue - 5; Edition: Oct2019
6. B V S RAO, Jyothirmayi, “ Design And Fabrication Of A Compound Die To Make Hexagonal Washer(IJMPERD) ISSN (ONLINE): 2249-8001; ISSN (PRINT): 2249-6890; Impact Factor(Jcc) (2019): 8.8746; Index Copernicus Value (Icv) - (2016): 60.6; Naas Rating: 3.11; Vol - 9, Issue - 4; Edition: Aug 2019, (517-528)
7. Dr. B V S Rao, Dr. P V Ravindra Reddy, M Bharath Kumar, T Dinesh K Singh, B Meghana, Experimental Investigation to enhance the Compression Strength of CO2 moulding process by preheating the mould to different temperatures, SBIT , KHAMMAM, ISBN NO 978-93-5321-384-8 E-ISSN: 2249-8001 (Online)
8. N. Keerthi Shrivani, K T Ujwal Pratap Krishna, Dr. B V S Rao, Designing and Modelling of an Autonomous Robot for Cleaning Lake Surface, Global Journal of Engineering Sciences and Researches. ISSN 2348-8034, 2018
9. B V S Rao, G Chandra Mohan Reddy, G Krishna Mohan Rao. “ Experimental investigation of major and

- minor strains in different regions of deep drawn cups, International Journal of Mechanical and Production Engineering Research and Development; ISSN: 2249-6890; E-ISSN: 2249-8001 (Online) – SCOPUS INDEXED. Vol 8 issue 3 pp 441-448, June 2018.
10. B V S Rao, G Chandra Mohan Reddy, G Krishna Mohan Rao, and P V R Ravindra Reddy, "Numerical Analysis on The effect of Various Parameters on Fracture Limit for Deep Drawn Cups", Materials today : PROCEEDINGS,5(2018)1387-1400 , Science Direct.
 11. B V S RAO, G Prasanna Kumar, Design and Vibration Analysis of Steam Turbine Low Pressure Blade-3 To enhance efficiency , International Journal Of Engineering And Science Research (IJESR), vol-8, Issue-5,1-7, ISSN2277-2685, May 2018
 12. B V S RAO, G Prasanna Kumar, Optimization of Machining Parameters In Turning Operation Using Taguchi Approach, International Journal Of Engineering And Science Research (IJESR), vol-8, Issue-4,138-143, ISSN2277-2685, April 2018
 13. N KeerthiSharvani , B V S Rao , Introducing Robots Without Creating Fear Of Unemployment And High Cost In Industries, International Journal Of Engineering Technology Science And Research (IETSR) volume05 issue01 , January 2018 , ISSN 2394-3386
 14. Dr. B V S Rao, A. DivyaBharathi, Enhancing Productivity through Six Sigma in Manufacturing Industries, Global Journal of Engineering Sciences and Researches. ISSN 2348-8034 , 2018
 15. G Kishan, B V S Rao, Virtual Manufacturing: Design And Manufacturing Tools, International journal for innovative engineering and management research, volume 06 issue07 August 2017, ISSN 2456-5083.
 16. B V S RAO," Impact of Drawing Ratio and Shape On thickness distribution along the Walls of Deep drawn cups". Manufacturing Technology Today, vol.17, No. 6, June 2018. ISSN: 0972-7396, page no 3-10.
 17. Sai Manish Reddy Mekarthy and B V S Rao, "Modernistic method of enhancing productivity by reusing of slag as flux in submerged arc welding & study of its impact on mechanical properties". Manufacturing Technology Today (MTT), Vol-16, Issue-7, pp 3-11, Oct-2017.

International/ National Conferences from the Year 2017

1. B V S RAO ,Determination of formability of bimetallic sheet using forming limit diagram, 9th International Conference on Materials Processing and Characterization, held during 8th to 10th March 2019 at GRIET, Hyderabad
2. Dr. B V S Rao, Dr. P V Ravindra Reddy, M Bharath Kumar, T Dinesh K Singh, B Meghana, Experimental Investigation to enhance the Compression Strength of CO2 moulding process by preheating the mould to different temperatures, 1st International Conference on Recent Trends in Engineering, Materials, Management and Sciences (ICRTEMMS), held during 25th to 27th October 2018.
3. .KeerthiSravani, K. T. UjwalPratap Krishna, Dr. B. V. S Rao Designing and Modelling of an Autonomous Robot for Cleaning lake Surface, 1st International Conference on Advances in Mechanical Engineering (ICAME), held on 21st and 22nd December 2018.
4. Dr. B V S Rao, A. DivyaBharathi Enhancing Productivity through Six Sigma in Manufacturing Industries, 1st International Conference on Advances in Mechanical Engineering (ICAME), 21st and 22nd December 2018.
5. G Kishan, B V S Rao, P Ravinder Reddy, N Sadanandam , Design And Topology Optimization Of Car Wheel Rim Using FEA , International Conference On Latest Research In Engineering Science , 12th and 13th August 2017 .
6. N. V Srinivasulu, L. Suresh Kumar, G. Laxmaiah, P. Kiran Kumar, B. V. S Rao Presented a paper on "Support by State and Central Government for Innovation and Entrepreneurship Development in India, National Conference Proceedings on Skill Development and Entrepreneurship " in association with VTU at S. G Balekundri Institute of Technology, Belagavi, 27-28 April 2018.
7. G Kishan, B V S Rao, 3D Printing : A Review , All INDIA Seminar On Digital And Automation Entry Into The Future Factories , The Institution Of Engineers (INDIA) , July14th-15th , 2017 , Hyderabad.