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|--|-----------------------------|----------------------|------------------------------|------------------------------|---|
| Name of Teaching Faculty | Dr. A Venkatesan | | | |  |
| Designation | Principal | | | | |
| Department | Mechanical Engineering | | | | |
| Date of Joining the Institution | 21/01/2019 | | | | |
| Qualifications with Class/Grade/Year | UG | PG | PhD | Others | |
| | BE//1986 | ME//1995 | PhD/2006 | ----- | |
| Total Experience in Years. | Teaching | Industry | Research | Admin | |
| | 30 | ---- | 13 | 12 | |
| No of papers Published | Journals | | Conferences | | |
| | National | International | National | International | |
| | 01 | 18 | 01 | 14 | |
| PG Teacher/PhD Guide Approval | PG Approval No./Date | | | PhD Approval No./Date | |
| | Subject | Area | University | Subject | University |
| | Mechanical | Prod. | Anna | Mechanical | Anna |
| PhD/ME students Guided | PhD | | PG (ME/M. Tech, MSc.) | | |
| | Completed | In Process | Completed | In Process | |
| | 02 | ---- | 02 | ---- | |
| No of books authored/ Reviewed/IPR's/ Patents | Authored | Reviewed | IPR's | Patents | |
| | ----- | ----- | ----- | 01 | |
| Conferences, Workshop, QIP and Seminars Attended in Various Colleges | | | | | |
| <ul style="list-style-type: none"> ➤ Venkatesan A., Gopinath V.M. and Rajadurai A. 'Simulation of Casting Solidification and its Grain Structure Prediction Using FEM' Proceedings of the International Manufacturing Conference - 18 (IMC-18), 5-7 September, 2001, at University College Dublin, Dublin, Ireland, pp 173-182. ➤ Venkatesan A., Suchithra K. and Rajadurai A. 'An experimental Method to Measure the Transient Air-Gap Width between the Cast and Permanent Mould during Casting Solidification' Cast Expo '05, St.Louis, USA, April, 2005, Paper 05-069. | | | | | |

- Venkatesan A. and Rajadurai A. 'Transient Interfacial Heat Transfer Coefficient Equations for Casting Solidifications in Permanent Mould' Metal Casting Congress, USA, 2006, Paper No.06-056.
- Venkatesan A. and Rajadurai A. 'Effect of Air Gap On Casting Solidification' Metal Casting Congress, USA, 2006, Paper No. 06-058.
- A.Venkatesan, S.Ilayavel, 'The performance of Manganese Phosphate coated HSS turning tools when turning EN-24 Steel', International conference on Modern Trends in Material Technology, ICMMT2009.
- S.Ilayavel, A.Venkatesan, N.Nallusamy, T.Sornakumar.(2011), 'Wear Characteristics of Manganese Phosphate Coating with oil lubricant, International Conference on Mechanical and Aerospace Engineering(ICMAE 2011),Bangkok, Thailand, July 29-31,2011.
- S.Ilayavel, A.Venkatesan.(2012), 'The Wear behavior of Manganese Phosphate Coatings applied to AISI D2Steel Subject to different Heat treatment Process, International Conference on Modeling Optimisation and Computing, Nooral Islam University, Nagercoil, April11,12 2012.
- S.Ilayavel, S.Jegannathan, K.Ravichandran, A.Venkatesan.(2012), 'Prediction of Wear Coefficient of Manganese Phosphate coated AISI D2 Steel with Oil lubricant, International Conference on Mechanical and Manufacturing Engineering(ICME 2012), Universiti Tun Hussein onn, Maylaysia, Nov. 20-21,2012.
- Ilayavel, S and Venkatesan, A 2013, 'Optimization of operating parameters on wear behaviour of Manganese Phosphate Coated AISI D2 Steel', International conference on Advanced Manufacturing and Automation (INCAMA2013)', Kalasalingam University, Kirshnan Koli, March 28-30,2013.
- Muthukrishnan Mohandass, Alankaram Venkatesan (2013), 'Influence of Solidification Rate On Mechanical Properties of Rapidly Solidified Hypo-Eutectic and Eutectic Al-Si Alloy Castings', Cast Expo '05, St. Louis, USA, April, 2013 pp.137-144.
- Ilayavel, S & Venkatesan, A 2013), 'A Study of Wear Performance of TIN, TICN and Manganese Phosphate Coatings with Oil Lubricant on AISI D2 Steel, International Conference on surface engineering for research and industrial Applications, Rajalakshmi Engineering college, Thandalam, Aug 7-9, 2013.
- Ilayavel, S & Venkatesan, A 2013, 'Characteration of Manganese phosphate coating adherence on High carbon high chromium steel by Progressive Load Scratch Test, International Conference on Advances in Tribology (ICAT14) , NIT Calicut. Feb 21-24, 2014. (Received Best paper award and Gold model).

- Ilaiyavel, S & Venkatesan, A 2014, 'Prediction of specific wear rate of Manganese Phosphate coated AISI D2 steel with oil lubricant, International Conference on Computational systems in Engineering and technology (ICCSET2014) ,Sri Venkateswara college of Engineering, Sriperumbudur, March 7th & 8th . 2014.
- Muthukrishnan Mohandass, Jaraman Venkatesan & Alangaram Venkatesan 2014, „Effect of Solidification rate on wear behaviour of Hypoeutectic Al-Si (A380) Alloy Casting“, Second International Conference on Advances in Civil, Structural and Mechanical Engineering- CSM‘‘ 14, November 15th & 16th, University of Birmingham, UK.

Professional Membership & Designation

- Recognized as a **Supervisor for guiding Ph.D. and M.S. (By Research) Scholars** under the faculty of Mechanical Engineering in the area of 'Production Technology' in Anna University, Chennai.
- **Member**, Board of Studies of Anna University and prepared syllabus for Mechanical Engineering, 2006-09.
- **Chairman** - Mechanical Board, Anna University Central Valuations.
- **Chief Superintendent**, Anna University Examinations at SVCE.
- **Chief Project Coordinator -Entrepreneurship Development Cell at SVCE. July 2007 - June 2009**

Consultancy Activities

- Since 2006, consultancies are done in the field of castings, bio-fuels and entrepreneurship.

Achievements & Awards

- Listed by the International Biographical Centre, Cambridge, England as one of the **Top 100 Scientists 2007**.
- Listed in the **Marquis Who's who in Science and Engineering for the year 2006 - 2007**.
- Listed in the **Marquis Who's who in the World for the year 2006 - 2007**.
- Degree Project Work titled 'Automatic Inspection Device' was awarded **2nd prize** by the **Directorate of Technical Education**, Tamilnadu State, India, during 1986

Grants Fetched

- Received grants from Ministry of Science and Technology, Govt. of India to conduct a number of training programs and awareness camps to the students and unemployed youths in the region on entrepreneurship.
- Received Rs. 10 Lakhs as grant on MODROB from AICTE (2012)

Interaction with Professional Institutions/Colleges

- Signed MoU with **Northern Illinois University (NIU), Dekalp, US** under staff and student exchange programme to develop collaborative research in the area of expertise.
- Signed MoU with **London South Bank University,(LSBU), London U.K** under staff and student exchange programme to develop collaborative research in the area of expertise.
- Signed MoU with Western Thompson Industries Ltd (WTI) for research and consultancy activities.
- Barry Wehmiller International Resources Ltd. (BWIR) for research and consultancy activities.
- Signed MOU with TAFE (Tractor And Farm Equipment Ltd.), one of the industrial conglomerates in India, for consultancy, staff training, student projects, R&D, etc. Received a tractor and many cut models for the automobile laboratory. TAFE has introduced '**TAFE Best Project Award**' for the students of Automobile and Mechanical Engineering at SVCE for their final year projects. This award consists of cash prize and citation.
- Taken initiative to have MOU with Hyundai Motor India Ltd. (HMI), for staff training, student projects, consultancy, R&D, etc. Received a Hyundai TUCSON imported used car as a gift to the department laboratory for academic purposes.
- Made TOYOTA top management from Japan, to visit the department laboratory for student training, placement and scholarships for higher education.
- Member NAAC (National Assessment and Accreditation Committee) Committee of Sri Venkateswara College of Engineering (SVCE) and prepared NAAC report for SVCE which has scored 2.96 marks out of 4 marks (a high B+ Grade) which is required to become a Deemed University.
- Prepared NBA (National Board of Accreditation) report for the department.