

**Dr. A.M.SHANAWAZ, B.E., M.E., Ph.D., M.I.S.T.E., F.I.E.  
PRINCIPAL**

shanawazpet@gmail.com  
+91-4635-256343 Extn. 101  
Mobile : 94436 92948



---

**Academic Background:**      **Ph.D. (Mfg. Engg.),** Annamalai University, Chidambaram, 2012  
   **M.E. (Production Engineering),** Annamalai University, Chidambaram, 1998  
   **B.E. (Mechanical Engineering),** Islamiah Institute of Technology,  
Bangalore University, 1986.

---

**Areas of interest:**              Unconventional Manufacturing Processes , Composite Materials

---

**Subjects handled:**              Manufacturing Engineering, Engineering Graphics, Engineering Mechanics,  
Machine Tools, Design of Jigs, Fixtures and Press Tools

---

**Software Proficiency:**

---

**Experience:**

---

**Academics: (25 Years)**

**June 2014 To Till date**              **Principal,** National College of Engineering, Tirunelveli.

**December 2012 To  
June 2014**                              **Principal,** Thamirabharani Engineering College, Tirunelveli

**Other responsibilities:**

- Chief Superintendent Anna University Chennai
- ISO Co-ordinator.
- Placement and Training Officer

**January 2006 To  
December 2012**                              **Professor & Head,** PET Engineering College, Vallioor, Trinelveli – Dt.

**Other responsibilities:**

- Chief Superintendent for M.S.University
- Member NSS activities.
- Member Sports and Games activities
- Enquiry Committee Chairman.
- Internal Assessment Test Co-ordinator.
- NPTEL Co-ordinator.

- Anna University Representative (AUR) for Anna University Chennai and Anna University Tirunelveli.
- Chief Examiner and Examiner for central valuation duty in M.S.University, Madras University, Anna University Chennai, Noorul Islam University, Anna University Tirunelveli and Annamalai University.
- External Examiner for practical examinations in M.S.University, Anna University Chennai, Anna University Tirunelveli, Noorul Islam University and Annamalai University.
- Question paper setter for Anna University Coimbatore and Sri Ramakrishna Engineering College, Coimbatore.
- Vice Chairman – Anna University Chennai Central Valuation.
- Squad, Anna University Examinations, Nov. 2012.

**June 2003 To December 2005**      **Assistant Professor**, PET Engineering College, Vallioor, Trinelveli – Dt.

**Other responsibilities:**

- HOD In-Charge Mechanical Engineering.

**April 2003 To June 2003**      **Senior Lecturer**, N.I. College of Engineering, Kumaracoil, Kanyakumari – Dt

**June 1998 To March 2003**      **Lecturer**, N.I. College of Engineering, Kumaracoil, Kanyakumari – Dt

**August 1988 To September 1997**      **Lecturer**, The Indian Engineering College, Vadakkangulam, Trinelveli – Dt.

**Industry: (2 Years)**

**July 1987 To July 1988**      **Technician Apprentice Trainee**, Best & Crompton Engineering Ltd., Madras

**July 1986 To June 1987**      **Mechanical Engineer** in Babu Engineering Corporation, Neyveli

- Professional Association**
- **Fellow**, The Institute of Engineers (India) (No: F / 112854 / 6)
  - **Member**, Indian Society of Technical Education (No: LM39171)
  - **Member**, Indian Welding Society (No: L00152)
  - **Member**, Indian Society of Mechanical Engineers (No: L507)

---

**Activities:**

---

**Publications:****International Journals/****Conferences**

- **A.M.Shanawaz**, S.Sundaram, U.T.S.Pillai, P.Babu Aurtherson, "An experimental study on 15% SiC<sub>p</sub> reinforced 2124 Aluminium composite material by electrolytic in-process dressing grinding", *Iranian Journal of Science and Technology, Transaction B: Engineering*, Vol. 36, No. M2, pp. 181 – 192, Oct. 2012. (ISSN: 1028 - 6284, Impact factor – 0.55)
  - Babu Aurtherson.P, Sundaram.S, Sivapragash. M., **Shanawaz. A.M.**, "Optimizing the process parameters of ELID grinding using Grey Relation Analysis", *Advances in Production Engineering & Management*, Vol. 7 (2012) 2, pp.113-122 (ISSN 1854-6250)
  - **A.M.Shanawaz**, S.Sundaram, U.T.S.Pillai, P.Babu Autherson, "Characteristics of Electrolysis In-process Dressing Grinding of Al/SiC<sub>p</sub> Composite Materials", *Journal of Composite Materials*, Vol.45(3), 2011, pp. 357 – 367.(Impact factor:1.068)
  - P.Babu Aurtherson, S.Sundaram, **A.M.Shanawaz**, M.Sivapragash, "Grinding Process on AlSiC composite material and Optimization of surface roughness by ANFIS", *International Journal of Engineering and Technology*, Vol. 3, No.4, August 2011.
  - **A.M.Shanawaz**, S.Sundaram, U.T.S.Pillai, P.Babu Autherson, "Grinding of aluminium silicon carbide composite materials by electrolytic In-process dressing grinding", *The International Journal of Advanced Manufacturing Technology*, Vol. 57, 2011, pp. 143 – 150. (Impact factor:1.103)
  - P.Babu Aurtherson, S.Sundaram, **A.M.Shanawaz**, S.Perumal Sankar, "Optimization of ELID Grinding process of Al/SiC composite through Neuro-Fuzzy Network", *International Journal of Engineering Science and Technology*, Vol. 3 (5), 2011, pp. 4043 – 4050.
-

- P.Babu Aurtherson, S.Sundaram, **A.M.Shanawaz**, M.Sivapragash, "Optimizing the process parameters of ELID grinding using neuro-fuzzy network", *International Journal of Computer Science and Network Security*, Vol. 10 (11), 2010, pp. 188 – 193.
- **A.M.Shanawaz**, S.Sundaram, U.T.S.Pillai, P.Babu Autherson, A comparison between conventional and ELID grinding of Al/SiC<sub>p</sub> composite materials, Proceedings of International Conference on Recent Advances in Mechanical Engineering, Noorul Islam University, Kumaracoil, 8-9, April 2010, pp. 276 – 208.
- P.Babu Aurtherson, S.Sundaram, M.Sivapragash, **A.M.Shanawaz**, Optimum selection of grinding conditions in ELID grinding using grey relation analysis, Proceedings of International Conference on Recent Advances in Mechanical Engineering, Noorul Islam University, Kumaracoil, 8-9, April 2010, pp. 357 – 362.

---

**National Journals/  
Conferences**

- **A.M.Shanawaz**, S.Sundaram, U.T.S.Pillai, P.Babu Autherson, A comparison between conventional and ELID grinding of Al/SiC<sub>p</sub> composite materials, *Journal of Emerging Technology in Mechanical Science and Engineering*, Vol. 1(2), 2010, pp. 75 – 82.
  - P.Babu Aurtherson, S.Sundaram, M.Sivapragash, **A.M.Shanawaz**, Optimum selection of grinding conditions in ELID grinding using grey relation analysis, *Journal of Emerging Technology in Mechanical Science and Engineering*, Vol. 1(1), 2010, pp. 71 – 78.
  - A.Pal Pandi, **A.M.Shanawaz**, R.Rajesh, Integration of TQM Lean Thinking, Proceeding of National Conference on Advances in Mechanical Engineering in the ERA of Globalization, Tagore Engineering College, Chennai, 2005.
  - A.Pal Pandi, S.M.Kannan, **A.M.Shanawaz**, An overview of Lean manufacturing Enterprises, Proceedings of National Conference on Recent Trends in Manufacturing Modelling and Analysis, St. Joseph's College of Engineering, Chennai, 2004
-

---

**Conferences/Seminars/****Workshops participated**

- Workshop on Promotion Innovation and Product Design Capabilities among Engineering Students at Guindy Campus, Anna University organized by Centre for Technology Development and Management Association – India (PDMA) on 29<sup>th</sup> September 2012.
  - National Programme on Technical Enhancement Learning Workshop (IIT Madras) at Indian Institute of Information Technology and Management – Kerala (IIITM-K) on 28.01.2012.
  - National Programme on Technical Enhancement Learning Workshop (IIT Madras) at Mepco Schlenk Engineering College, Sivakasi on 29<sup>th</sup> July 2011.
  - Special Processing Techniques for critical Components. (Sponsored by AICTE) at Sardar Raja College of Engineering, Alangulam from 19.03.2007 to 31.03.2007
  - Seminar on Shaping the Future conducted by Annamalai University Engineering & Technology Alumni Association at Hotel Le Meridian, Chennai on 7<sup>th</sup> October 2006
  - Workshop on Composite Materials (Under TEQIP Community Services) at National Institute of Technology, Tiruchirappalli on 29<sup>th</sup> & 30<sup>th</sup> September 2006.
  - Induction Programme for Engineering College Teachers at PET Engineering College, Vallioor on 14.12.2005
  - National Conference on Recent Advances in Manufacturing Engineering at National Engineering College, Kovilpatti on 30<sup>th</sup> & 31<sup>st</sup> January 2004.
  - Networking R&D Institutions, Industry and Academic Institutions for Quality Enhancement in Technical Education at Nirma University of Science & Technology, Ahmedabad on 22<sup>nd</sup> & 23<sup>rd</sup> December 2003.
  - Research Opportunities in Mechanical Engineering Sciences at Bannari Amman Institute of Technology, Sathyamangalam during 21 – 23, November 2003.
-

- 
- One Day Training Programme on ISO Internal Audit conducted by ACME (INDIA) Quality Management Services at PET Engineering College on 25<sup>th</sup> July 2003
  - Advances in Welding Technology. (Sponsored by Science & Engineering Research Council) at Welding Research Institutem BHEL, Tiruchirapalli during 10.12.2002 to 20.12.2002.
  - Recent Developments in Materials Joining (Sponsored by AICTE) at Annamalai University, Chidambaram during 28<sup>th</sup> May to 8<sup>th</sup> June, 2001.
  - Third Annual Convention of the ISTE, Tamil Nady & Pondicherry at Moderator Gnanadasan Polytechnic, Nagercoil on 18.11.2000.
  - Training the Trainers at N.I. College of Engineering, Kumaracoil on 16<sup>th</sup> & 17<sup>th</sup> July 1999.

---

**Events Organized/  
Conducted**

- National Workshop on Small Hybrid (Wind & Solar) Power Generation System sponsored by Defence Research and Development Organisation (DRDO) at PET Engineering College on 19<sup>th</sup> & 20<sup>th</sup> October 2012.
- National Conference on Emerging Technology in Mechanical Engineering, ETME 2006 at PET Engineering College during 6<sup>th</sup> & 7<sup>th</sup> April 2006
- National Conference on Emerging Technology in Mechanical Engineering, ETME 2011 at PET Engineering College during 24<sup>th</sup> & 25<sup>th</sup> March 2011
- Seminar on Personality Development at PET Engineering College on 20.01.2004
- Seminar on Professionalism in Teaching at PET Engineering College on 10.01.2004

---

**Achievements**

**JOURNAL REVIEWER**

- The International Journal of Advanced Manufacturing Technology, Springer Publications.
  - Journal of Materials and Manufacturing Processes, Taylor & Francis Publications.
-