

CURRICULUM VITAE

S. J. PAWAR



1. **Name (Surname first)** : PAWAR SURYAPPA JAYAPPA
2. **Gender** : Male
3. **Marital Status** : Married
4. **Present Designation** : Associate Professor
5. **Date of Birth** : 23-12-1974
6. **Father's Name** : Late Shri. Pawar Jayappa Ganpati
7. **Permanent Address** : C/o Dr. R. S. Durge, At. Post. Tambave,
Tal. Phaltan Dist. Satara,
(Maharashtra State) Pin. 415521, INDIA.
8. **Present Address** : Qr. No. C-5, Staff Colony, MNNIT, Allahabad.
9. **Phone Number** : +91-532-2271217 (O), +91-532-2271905 (R)
10. **Email Address** : sjpawar@mnnit.ac.in, sjpawar23@gmail.com
11. **Home Page** : ---
12. **Academic Qualifications** :

S. No.	Degree held	Name of Institution	Percentage/Class	Year of Passing
1.	SSC (10 th)	Shri. Bhavani Vidyamandir, Satara. (M.S.)	88.57/ I st class with Distinctions	1991
2.	HSC (12 th)	Yashvantrao Chavan Institute of Science, Satara. (M.S.)	76.67/ I st class with Distinctions	1993
3.	B. E. (Mechanical Engg.)	Govt. College of Engg, Karad (M.S.) Shivaji University, Kolhapur.	61.33 I st class*	1997
4.	M.E. (CAD/CAM)	M. N. R. Engg. College, Allahabad. (U.P.) (Now MNNIT, Allahabad)	84.04/ I st class with Distinctions**	2002
5.	Ph. D. (Mech. and Aero. Deptt.)	Feng Chia University, Taichung, Taiwan. 40724 (ROC)	I st Sem. Avg. 91.31, GPA 4 II nd Sem. Avg. 89.50, GPA 4 III rd Sem. Avg. 93.00, GPA 4 IV th Sem. Avg. 94.00, GPA 4	2012

* Average of 8 semesters

** Average of 5 semesters

13. **Awards** : First position in science subject in SSC in examination in Pune Board for SC category
: National Merit Scholarship.
: Ph.D. scholarship, Feng Chia University, Taichung, Taiwan.
14. **B.E. Project (Final Year)** : Fabrication of Hexagonal Tool Post for Centre Lathe.
15. **M.E. Seminar (Third Sem.)** : Geometric Compression of Finite Element Meshes.
16. **M.E. Thesis** : Development of 2D Interactive Mesh for Convex polygonal Region.
17. **Ph.D. Thesis** : Investigations on Electroacoustic Transducers for Improvisation.
18. **Employment Record** : (In reverse chronological order)

S. No	Position/Designation held	Name of Employer	Duration/Nature of Appointment
1.	Associate Professor	Director, M. N. National Institute of Technology, Allahabad (UP).	April 2012 onwards
2.	Assistant Professor (Selection Grade)	Director, M. N. National Institute of Technology, Allahabad (UP).	April 2009 – April 2012
3.	Assistant Professor	Director, M. N. National Institute of Technology, Allahabad (UP).	Redesignated/Permanent
4.	Lecturer (Senior Scale)	Director, M. N. National Institute of Technology, Allahabad (UP).	Permanent (since 15 th April 2004)
5.	Lecturer	Principal, M. N. Regional Engineering College, Allahabad (UP).	Permanent (15 th April, 1999 to 14 th April 2004)
6.	Lecturer	Vice Chancellor, Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad (M.S.)	Ad-hoc
7.	Production Engineer	Manager, M/s Joshi & Jampala Engg. M.I.D.C., Satara (M. S.)	Permanent

19. **Detail of Experience**

- a. **Teaching Experience** : 15.5 years (up to Oct. 2013).
- b. **Research Experience** : 2 years (Sept. 2008 – Aug. 2010).

20. **Details of Industry Experience** : 1 year.

21. **Publications**

(A) Research Publication (nos.): Published

Int. Journal : 11
Int. Conference : 12
National Journal : 0
National Conference : 11

:	<u>Accepted</u>	
	Int. Journal	: 0
	Int. Conference	: 0
	National Journal	: 0
	National Conference	: 0
:	<u>Submitted</u>	
	Int. Journal	: 1
	Int. Conference	: 0
	National Journal	: 0
	National Conference	: 0

I) Research Papers

(a) Journals

i) *International Journal*

Published

2005 (1)

1. K. M. Gupta, and **S. J. Pawar**, "A Nonlinear Steady State Diffusion Model Incorporating Edge and Surface Texture Effects to Predict Absorption Behaviour of Composites", International Journal of Materials Science and Engineering A, Vol. 412, Issue 1-2, pp. 78-82, Dec. 2005. (Impact Factor - 2.090 (2010), Elsevier, SCI, Citation – 3), DOI: 10.1016/j.msea.2005.08.034, ISSN: 0921-5093.

2010 (1)

1. **S. J. Pawar**, YuFan Chung, and Jin H. Huang, "Mechanical Characterization and Parametric Study of a Miniature Capacitor Microphone", Journal of the Audio Engineering Society, Vol. 58, No. 4, pp. 299-307, April 2010. (Impact Factor - 0.483 (2010), peer-reviewed, SCI, SCIE, Citation – 0), Cited (abstract included) in Ch. 2 of ebook entitled "Issues in Engineering Research and Application: 2011 Edition", by Q. Ashton Acton, reported by VerticalNews Engineering via VerticalNews.com on June 23, 2010.

2011 (2)

1. Chen-Hung Huang, **S. J. Pawar**, Zih-Jyun Hong, and Jin H. Huang, "Insert Earphone Modeling and Measurement by IEC-60711 Coupler", IEEE transactions on Ultrasonics, Ferroelectrics and Frequency Control, Vol. 58, Issue 2, pp 461-469, Feb. 2011. (Impact Factor – 1.8 (2010), peer-reviewed, SCI, SCIE, Citation – 1), DOI: 10.1109/TUFFC.2011.1823, ISSN: 0885-3010.

2. **Suryappa Jayappa Pawar**, Soar Weng, and Jin Huang Huang, "Experimental Verifications and Simulations of Magnetic Motor of Circular Miniature Loudspeaker for Total Harmonic Distortion", Applied Mechanics and Materials, Vol. 87, pp. 136-139, Aug. 2011.
(Impact Factor – ---, Citation –), Indexed by Elsevier: SCOPUS, Ei Compendex (CPX), CSA, CA, Google and Google Scholar, ISI (ISTP, CPCI, Web of Science), IEE, etc., DOI: 10.4028/www.scientific.net/AMM.87.136.

2012 (5)

1. Chen-Hung Huang, **S. J. Pawar**, Zih-Jyun Hong, and Jin H. Huang, "Earbud-Type Earphone Modeling and Measurement by Head and Torso Simulator", Applied Acoustics, Vol. 73, Issue 5, pp. 461-469, May 2012.
(Impact Factor – 0.887 (2010), Elsevier, SCI, Citation – 0), DOI: 10.1016/j.apacoust.2011.10.007, ISSN: 0003-682X.
2. Chun Chang, **S. J. Pawar**, Soar Weng, Y. C. Shiah, and Jin H. Huang, "Effect of Nonlinear Stiffness on the Total Harmonic Distortion and Sound Pressure Level of a Circular Miniature Loudspeaker-Experiments and Simulations", IEEE Transactions on Consumer Electronics, Vol. 58, No. 2, pp. 212-220, May 2012.
(Impact Factor – 1.087 (2012), SCI, SCIE, Citation – 1), DOI: 10.1109/TCE.2012.6227415, ISSN: 0098-3063.
3. **S. J. Pawar**, Soar Weng, and Jin H. Huang, "Total Harmonic Distortion Improvement for Elliptical Miniature Loudspeaker Based on Suspension Stiffness Nonlinearity", IEEE Transactions on Consumer Electronics Vol. 58, No. 2, pp. 221-227, May 2012.
(Impact Factor – 1.087 (2012), SCI, SCIE, Citation – 3), DOI: 10.1109/TCE.2012.6227416, ISSN: 0885-3010.
4. Soar Weng, **S. J. Pawar**, and Jin H. Huang, "Magnetic Motor Nonlinearity Modifications for Total Harmonic Distortion Improvement of an Elliptical Microspeaker", IEEE Transactions on Magnetics, Vol. 48, No. 12, pp. 4811-4814, Dec. 2012.
(Impact Factor – 1.363 (2011), SCI, SCIE, Citation –), DOI: 10.1109/TMAG.2012.2204898, ISSN: 0018-9464.
5. **S. J. Pawar**, and Jin H. Huang, "Effect of Sponge and Position on the Frequency Response and Total Harmonic Distortion of Earbud-Type Earphone", Journal of Chinese Society of Mechanical Engineering, Vol.33, No. 6, pp 537-544, 2012.
(Impact Factor – 0.274 (2012), SCIE, Citation –), ISSN: 0257-9731.

2013 (2)

1. Ajitanshu Vedrtam, **S. J. Pawar**, and Rakesh Bhandari, "Ultrasonic Testing of Glass Fiber Reinforced Polypropylene Composites", International Journal of Mechanical Engineering and Technology (IJMET), Vol. 4, Issue. 4, pp 118 – 124, July – August 2013.
(Impact Factor – 5.7731 (GISI), Citation – 2), ISSN: 0976 –6340 (Print), ISSN: 0976 – 6359 (Online), Article ID: 30120130404014.
2. Amit Kr. Singh Chauhan, Ajitanshu Mishra, Ujjwala Pandey, and **S. J. Pawar**, "Mechanism of Heat and Mass Transfer in Sandwiched Fibrous Insulations Subjected to Moisture Absorption and Condensation", International Journal of Engineering Research & Technology (e-ISSN: 2278-0181), Vol. 2, Issue 11, November – 2013.
(Impact Factor – 1.76 (IJERT), Citation – 2)

2014 ()

Nil

In press/accepted (0)

Nil

Submitted (1)

1. Dr. K. M. Gupta, **Dr. S. J. Pawar**, and Er. Jay Prakash Yadav, "Development and Characterization of Banana Fiber Reinforced Rice-Potato Biocomposite", communicated to the International Journal of Materials Science and Engineering (IJMSE), 2014, 2880 ZANKER RD STE 203, SAN JOSE, CA, USA, ISSN: 2315-4527.

ii) National Journal

Published

Nil

In press/accepted

Nil

Submitted

Nil

(b) Conferences

i) International Conference

Published

2004 (1)

1. K .M. Gupta and **S. J. Pawar**, “A Nonlinear Diffusion Model Incorporating Edge and Surface Texture Effects to Predict Absorption Behaviour of Composites”, International Conference on Recent Advances in Composite Materials (ICRACM 2004), IT BHU, Varanasi, December 17-19, 2004. (Poster Presentation)

2009 (1)

1. Y. F. Chung, **S. J. Pawar**, and J. H. Huang, “Mechanical Characterization of Capacitor Microphone for Analysis and Study”, 157th Meetings of the Acoustical Society of America, Portland, Oregon, May 18-22, 2009. (Accepted for oral presentation - not presented)

2010 (3)

1. **S. J. Pawar**, Yu-Ting Tsai, and Jin H. Huang, “Acoustic Simulation and Frequency Response Analysis of 10 inch Woofer Incorporating Reverse Engineering”, 1st International Conference On Recent Advances In Mechanical Engineering (ICRAME 2010), Noorul Islam University, Kumaracoil-629180, Tamil Nadu, India, pp. 451-458, April 8-9, 2010. (Published and presented)
2. **S. J. Pawar**, YuFan Chung, and Jin H. Huang, “Performance Verification of a Miniature Capacitor Microphone using Mechanical Characterization”, International conference on "Convergence of Science & Engineering in Education and Research, A Global Perspective In The New Millennium, (ICSE-2010), Dayananda Sagar Institutions, Bangalore, Karnataka, INDIA, April 21-23, 2010. (Published and presented)
3. **S. J. Pawar**, H. C. Her, and J. H. Huang, “Parametric Simulation Study of Miniature Loudspeaker for Performance Evaluation and Improvement”, 20th International Congress on Acoustics, (ICA 2010), 23-27 August 2010, Sydney, Australia. (Web address : http://www.acoustics.asn.au/conference_proceedings/ICA2010/cdrom-ICA2010/papers/p1026.pdf) (Oral presentation-p798 and published)

2011 (2)

1. Jin H. Huang, and **S. J. Pawar**, “Earbud-Type Earphone Modeling and Measurement”, Eighth International Conference for Mesoscopic Methods in Engineering and Science (ICMMES-011), Lyon, France, July 4-8, 2011. (Poster presentation)
2. **Suryappa Jayappa Pawar**, Soar Weng, and Jin Huang Huang, “Experimental Verifications and Simulations of Magnetic Motor of Circular Miniature Loudspeaker for Total Harmonic

Distortion Improvement”, 2011 International Conference on Applied Mechanics and Manufacturing Technology (AMMT’11), Bali, Indonesia, August 4-5, 2011. (Oral presentation)

2012 (1)

1. **S. J. Pawar**, Jin H. Huang, and Zih-Jyun Hong, “Effect of electronic device assembly (fixture tube) on the frequency response of a miniature loudspeaker during end use”, 6th European Congress on Computational Methods in Applied Sciences and Engineering (ECCOMAS 2012) Vienna, Austria, September 10-14, 2012. (Oral Presentation)

2013 (4)

1. **S. J. Pawar**, Steven Her, J. H. Huang, “Some Studies on Electret Condenser Microphone Production Line for Reduction in Rejection Rate by Electrostatic Polarization Process Control”, The Fifth International Conference on Science, Technology and Innovation for Sustainable Well-Being (STISWB V 2013), Luang Prabang, September 4-6, 2013. (Published)
2. **S. J. Pawar**, W. S. Kuo, J. H. Huang, “Graphite Nanosheet-Epoxy Nanocomposite Synthesis: Issues”, The Fifth International Conference on Science, Technology and Innovation for Sustainable Well-Being (STISWB V 2013), Luang Prabang, September 4-6, 2013. (Published)
3. P. K. Singh, and **S. J. Pawar**, “Some investigations on the sound field (sound propagation) measurement in a rectangular room”, International Conference On “Advances in Mechanical, Automobile and Aerospace Engineering” (AMAAE- 2013), Jawaharlal Nehru University, New Delhi, 21-22 September, 2013. (Published)
4. **S. J. Pawar** and Jin H. Huang, “Healthcare in Leisure Hearing: Prevention is Better than Cure”, International Conference on Civil, Biological and Environmental Engineering (CBEE-2013) Nov. 21-22, 2013 Bangkok (Thailand). (Published and presented)

2014 ()

Accepted (0)

Nil

Submitted (0)

Nil

ii) National Conference

Published

2006 (4)

1. **S. J. Pawar**, "Carbon Nanotube Synthesis Technique: A Brief Review", All India Seminar on "Advances in Product Development", M. N. N. I. T., Allahabad (UP) and Institute of Engineers (I) Allahabad Local Centre, February 17-18, 2006. (Oral presentation and publication)
2. Dr. R. P. Tewari, **S. J. Pawar**, S. K. Pandey, S. K. Dubey, "A Reliable Gait Phase Detection System using Artificial Neural Network", National Conference on "Biomedical Engineering", Sadar Patel Institute of Technology, Andheri, Mumbai (MS), March 28-29, 2006. (Oral presentation and publication)
3. Patil B. A., and **Pawar S. J.**, "Parametric Surface Modeling Using Reverse Engineering", National conference on Advancement and Futuristic Trends in Mechanical and material Engineering, Department of Mechanical Engineering, G. Z. S. College of Engineering and Technology, Bathinda (Pb), Oct. 13-14, 2006. (Oral presentation and publication)
4. **S. J. Pawar**, and B. A. Patil, "Study of Micro-Electro Mechanical System (MEMS) Design Methodologies", National conference on Recent Developments and Future Trends in Mechanical Engineering (RDFTME-2006), NIT, Hamirpur (HP), November 3-4, 2006. (Oral presentation and publication)

2008 (4)

1. **S. J. Pawar**, "Carbon Nanotube: Revolutionary Material for Flat Panel Display," National Conference on Innovations in Science and Technology Towards Industrial Development (IST-ID2008), Rungta College of Engineering and Technology, Bhilai. (CG), January 3-4, 2008. (Publication)
2. **S. J. Pawar**, and Nagarjun, "Energy Considerations of Display Devices (CRT and Flat Panels) for Television Sets," National Conference on Renewable Energy Resources (RES-2008), Mechanical Engineering Department, BBS College of Engineering and Technology, Allahabad (UP), January 19-20, 2008. (Oral presentation and publication)
3. Vipul Saxena, and **S. J. Pawar**, "High Temperature Super Conducting Ceramic Magnets and its Effect on the Societal Development," National Conference on the Application of Material Science in the Service of the Society, Organized by Department of Chemistry, C. M. P. Degree College (University of Allahabad), Allahabad (UP), February. 5-6, 2008. (Poster presentation)

4. Ravindra Singh, and **S. J. Pawar**, "A Study of the Effect of Thermal Barrier Coating on Industrial Development", National Conference on the Application of Material Science in the Service of the Society, Organized by Department of Chemistry, C. M. P. Degree College (University of Allahabad), Allahabad (UP), February 5-6, 2008. (Poster presentation)

2011 (2)

1. Taslima Ahmed, Hitendra Singh, and **S. J. Pawar**, "Study and Phenomenal Description of A Piezoelectric Ultrasonic Transducer: A Review", National Conference on "Emerging Trends In Mechanical Engineering (ETME - 2011)", Department of Mechanical Engineering, IIMT college of Engineering, Greater Noida, April 7-8, 2011. (Publication)
2. Hitendra Singh, Taslima Ahmed, and **S. J. Pawar**, "Modelling and Fabrication of Piezoelectric Transducer", National Conference on "Emerging Trends In Mechanical Engineering (ETME - 2011)", Department of Mechanical Engineering, IIMT college of Engineering, Greater Noida, April 7-8, 2011. (Publication)

2012 (0)

Nil

2013 (1)

1. Ajitanshu Vedrtnam, Gyanenda Singh, and **S. J. Pawar**, "Application of Taguchi Analysis for Variation for Properties of CBSX30 EH Thermal Film During Storage", National Conference on Frontiers in Mechanical Engineering, Mechanical Engineering Department, Maulana Azad National Institute of Technology, Bhopal, 29-31 August, 2013. (Publication)

2014 (0)

Accepted (0)

Nil

Submitted (0)

Nil

(B) Academic Products

(i) Books : 3 Nos.

1. "Computer Aided Manufacturing", R. K. Srivastava and **S. J. Pawar**, Umesh Publication, Delhi 2004. (First edition), EAN: 9788188114481, ISBN: 8188114480, ISBN-13:9788188114481.
2. "Computer Aided Manufacturing", R. K. Srivastava and **S. J. Pawar**, Umesh Publication, Delhi. 2008, (Revised second edition) , ISBN: 8188114480, ISBN-13:9788188114481.

3. "Investigations on Electroacoustic Transducers", **S. J. Pawar** and Jin H. Huang, Lap Lambert Academic Publishing Germany, 23-03-2013, ISBN-13: 978-3-659-35764-0, ISBN-10: 3659357642, EAN: 9783659357640.

(ii) Laboratory Manuals : 1 No. (Revised)

1. Revised Strength of Material Laboratory Manual, Saroj Publication, Allahabad, 2001.

(iii) Chapters in Notes/Books/Proceedings : 2 Nos.

1. Chapter on "Introduction to LOUDSOFT", Prof. Jin H. Huang, Lecture Notes on "Electroacoustic Transducer", Master Program of Electroacoustics, Feng Chia University, Taichung, Taiwan, Fall 2009.
2. "Miniature Manufacturing of Micromachined Microphone", **S. J. Pawar**, An invited chapter in proceeding of National Symposium on Miniature Manufacturing in 21st Century (August 16-18, 2013), IIT, BHU, Varanasi.

(C) M. Tech. Theses

(i) Completed : 13 Nos.

1. "A Study on PZT, PT and PZT/PT Piezoceramic", Mr. Sharad Pratap, July 2005. (With Prof I. K. Bhat and Dr. Ashutosh Pandey)
2. "Study and Analysis of Wet Cooling Tower Incorporating Various Models", Mr. S. B. Yadav, June 2006.
3. "Development and Characterization of PLZT+PVDF Composite through Mixed Oxide Route", Mr. Amit Kumar Gupta, June 2007.
4. "The study and Analysis of CNT (Carbon Nanotube) Reinforced Fiber Reinforced Laminated Composite Plate", Mr. Manish Rai, July 2007.
5. "Piezoelectric Ultrasonic Transducer: Influence of Structural Parameters on Device Performance", Mr. Hitendra Singh, July 2008.
6. "Design Fabrication and Performance Evaluation of CO₂ Gas Sensor", Mr. Pramod Kumar Chaudhary, July 2008.
7. "Modeling and Simulation of Microgripper for Biomedical Application", Pravin Kumar Shukla, June 2011. (With Dr. R. P. Tewari)
8. "Acoustic Simulation and Sound Pressure Measurement in a Rectangular Room", Pradeep Kumar Singh, June 2012.
9. "Studies on Flow Control over Humps using Acoustic and Piezoactuator", Vinay Pathak, June 2012. (with Er. A. R. Paul)

10. "Development of Antimicrobial surface through coating of Gentamicine Sulphate Encapsulated PEG/PVA/Chitosan polymer on Silicone for Prevention of Biofilm Formation", Mr. Abdul Mannan, June 2013.
11. "Development and Characterization of Banana Fibre Reinforced Rice-Potato Biocomposites", Mr. Jay Prakash Yadav, June 2013. (Prof. K.M. Gupta)
12. "CFD Simulation of Automobile Exhaust Muffler", Mr. Akhilesh Kr. Yadav, June 2013.
13. "Design and Simulation of Electret Condenser Microphone in 4C product", Mr. Satya Prakash, June 2013.

(ii) On going : 6 Nos.

1. In the field of Room Acoustics - Mr. Amit Kumar Singh Chauhan, May 2013 onwards.
2. In the field of Biocomposite - Ms. Ujjawala Pandey, May 2013 onwards.
3. In the field of Human Hearing – Ms. Shruti Yadav, May 2013 onwards.
4. In the field of Automotive Silencer by Mr. Manish Kumar Pandey, May 2013 onwards.
5. In the field of Loudspeaker by Mr. Rohit Agnihotri, May 2013 onwards.
6. In the field of Loudspeaker by Mr. Vipul Chaudhary, May 2013 onwards.

(D) Ph.D. Theses

(i) Completed : Nil.

(ii) On going : 2 Nos.

1. In the field of Laminated Composites - Mr. Ajitanshu Vedrtam, July 2013 onwards.
2. In the field of Nano and Bio Materials - Mr. P. Shakti Prakash, Jan. 2014 onwards.

22. Project Guided

(a) B. Tech. : 1 No.

(b) Summer/winter : 1 No.

23. Subject Taught :

(A) Under-graduate

S. No.	Courses
1	Theory of Machines
2	Material Science
3	Engineering Mechanics
4	Engineering System Design
5	Kinematics of Machines
6	Engineering Drawing
7	Strength of Materials
8	Industrial Engineering and Management
9	Dynamics of Machines
10	Introduction to Biomedical Instrumentation*
11	Introduction to Nanotechnology*
12	Kinematics and Dynamics of Machines

* New course introduced by me.

(B) Post-graduate

S. No.	Courses
1	Thermodynamics and Phase Equilibria of Engineering Materials**
2	Nano Material and Nano Technology**
3	Experimental Stress Analysis
4	Ceramic and Ceramic technology**
5	Micro Electro Mechanical System*
6	Electroacoustic*
7	MEMS and Bio-MEMS
8	Thermodynamics and kinematics of Materials
9	Physical Metallurgy
10	Ceramic Technology*

* New course introduced by me, ** New course introduced by me in association by other faculty.

24. Other Responsibilities :**Present responsibilities at MNNIT Allahabad****(A) Institutional responsibilities**

1. SC/ST Liaison Officer MNNIT, Allahabad.
 2. Convener, SC/ST Cell MNNIT, Allahabad.
 3. Dy. Coordinator, Lawn Tennis, SAC MNNIT, Allahabad.
 4. Convener, Publication Committee (R&C) MNNIT, Allahabad.
 5. Member, Research and Consultancy MNNIT, Allahabad.
- Core Committee

(B) Departmental responsibilities

1. O/C Dynamics of Machines Laboratory AMD, MNNIT, Allahabad.
2. O/C Material Science Laboratory AMD, MNNIT, Allahabad.
3. O/C Information and webpage AMD, MNNIT, Allahabad.
4. Member, DDPC AMD, MNNIT, Allahabad.
5. Member, DUGC AMD, MNNIT, Allahabad.

Past responsibilities at MNNIT Allahabad**(A) Institutional responsibilities**

1. Convener, SC/ST Cell MNNIT, Allahabad.
2. Joint Coordinator, Centre for Nanotechnology MNNIT, Allahabad.
3. Member SC/ST scholarship MNNIT, Allahabad.
4. O/C Skating MNNIT, Allahabad.
5. Member, Faculty Forum MNNIT, Allahabad.
6. Treasurer, Staff Club MNNIT, Allahabad.
7. Tabulator MNNIT, Allahabad.
8. Warden MNNIT, Allahabad.

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|-----------------------------------|-------------------|
| 9. O/C Cricket | MNNIT, Allahabad. |
| 10. O/C Hockey | MNNIT, Allahabad. |
| 11. Assistant Warden | MNNIT, Allahabad. |
| 12. Member TASA | MNNIT, Allahabad. |
| 13. Member Staff Club (Executive) | MNNIT, Allahabad. |

(B) Departmental responsibilities

- | | |
|--|------------------------|
| 1. O/C Library | AMD, MNNIT, Allahabad. |
| 2. O/C DOM and Vibration Laboratory | AMD, MNNIT, Allahabad. |
| 3. O/C NDT and ESA Laboratory | AMD, MNNIT, Allahabad. |
| 4. O/C PG Course | AMD, MNNIT, Allahabad. |
| 5. O/C Information and webpage | AMD, MNNIT, Allahabad. |
| 6. O/C Timetable and academic activity | AMD, MNNIT, Allahabad. |
| 7. Member DPGC | AMD, MNNIT, Allahabad. |
| 8. Convener, DUGC | AMD, MNNIT, Allahabad. |
| 9. O/C Seminar Hall | AMD, MNNIT, Allahabad. |

Other responsibilities

- | | |
|-----------|----------------------------|
| 1. Warden | Dr. B.A.T.U., Lonere (MS). |
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25. Other assignment/Membership :

(A) Membership

1. Member of interview board – Service Selection Board, Allahabad.
2. Member of interview board – DRDO.
3. Member of interview board – Scooters India Lid. Lucknow.

(B) Reviewer

1. National Seminar on “Advances in Product Design”, organized by Institute of Engineers, Allahabad and MNNIT, Allahabad, Feb. 17-18, 2006.
2. IEEE Sponsored Conference titled: “Students’ Conference on Engineering and Systems (SCES-2013)”, organized by Electrical Engg. Department and Electronic and Communication Engg. Department, Motilal Nehru National Institute of Technology Allahabad, April 12-14, 2013.

(C) Session Chair

1. National Conference on “EMERGING TRENDS IN MECHANICAL Engineering (ETME-2011)”, Department of Mechanical Engineering, IIMT college of Engineering, Greater Noida, April 7–8, 2011.

- IEEE Sponsored Conference titled: "Students' Conference on Engineering and Systems (SCES-2013)", organized by Electrical Engg. Department and Electronic and Communication Engg. Department, Motilal Nehru National Institute of Technology Allahabad, April 12-14, 2013.

(D) Expert Lectures

- Workshop on "Research Methodology", Government College of Engineering, Jalgaon, March 16-20, 2013 on Topics - (A) Research-Breaking the Ice, (B) Research-Case Studies, and (C) Research-Some Issues.
- One Week Self Financed Short Term Course on "Micromanufacturing: Materials, Processes and Systems (MMPS-2013)", July 08-12, 2013, Mechanical Engineering Department & Applied Mechanics Department, Motilal Nehru National Institute of Technology Allahabad, Allahabad- 211004, India on Topics - (A) Materials in Micromanufacturing, and (B) Measurements in Micromanufacturing.
- Short Term Course on "Computer Aided Engineering", July 11-15, 2013, Mechanical Engineering Department, Motilal Nehru National Institute of Technology Allahabad, Allahabad- 211004, India on topic (A) Miniature Loudspeaker Design.

26. Area of Research : Electroacoustic, Acoustics, MEMS, Composites, etc.

27. Summer/Winter/Short-term Courses Attended

S. No.	Name of Course	Organising Institute	Duration
1.	Three weeks Staff Induction Training Programme for Young Teachers. (Attended as a participant)	Motilal Nehru Regional Engineering College, Allahabad (MNREC).	June 12- July 1, 2000
2.	Human Values in Technical Education. (Attended as a participant)	School of Management Studies, M.N.R.E.C., Allahabad.	March 20-24, 2002
3.	MATLAB & its Engineering Applications. (Attended as a participant)	Department of Electrical Engg. M.N.N.I.T., Allahabad.	July 8-15, 2002.
4.	A Two Weeks Induction Training Programme Under Staff Development Scheme. (Attended as a participant)	Department of Applied Mechanics M.N.N.I.T. Allahabad-211004 (India).	May 19-30, 2003
5.	One Days Workshop on Research Methodology. (Attended as a participant)	School of Management Studies, M.N.N.I.T., Allahabad.	Sept. 11, 2003
6.	Refresher Course on Municipal Solid Waste Management. (Attended as a participant)	Department of Civil Engineering, M.N.N.I.T., Allahabad.	Feb. 02-07, 2004
7.	Smart Materials- Opportunity & Challenges. (Attended as a participant)	Department of Chemistry and Department of Applied Mechanics MNNIT, Allahabad.	Nov. 29- Dec.10, 2004
8.	Seminar on Thesis Writing. (Attended as a participant)	Feng Chia University, Library, Taichung Taiwan.	Feb. 01-05, 2010

9.	Fifth SERC School on “New Developments in Microfabrication with Focus on Synchrotron Radiation based Deep X-ray Lithography”. (Attended as a participant)	Raja Ramanna Center for advanced Technology (RRCAT), Indore (MP).	Oct. 29- Nov. 03, 2012
10.	ACRES Accountability and Responsiveness in Scientific Organizations. (Attended as a participant)	Academy of Human Excellence, Baroda, sponsored by Department of Science and Technology, New Delhi.	Jan. 7-11, 2013
11.	Workshop on Research Methodology. (Attended as an expert)	Government College of Engineering, Jalgaon (Maharashtra).	March 16- 20, 2013
12.	One Week Self Financed Short Term Course on “Micromanufacturing: Materials, Processes and Systems (MMPS-2013)” (Attended as an expert)	Mech. Engg. Deptt. and Applied Mech. Deptt., M. N. National Institute of Technology Allahabad, Allahabad- 211004, India.	July 08-12, 2013

28. Conference/Seminar Attended

S. No.	Name of Conference/Seminar	Organising Institute	Duration
1.	National Seminar on “Advances in Product Design”. (Paper presented)	Institute of Engineers, Allahabad and MNNIT, Allahabad.	Feb. 17-18, 2006
2.	Seminar on “Energy Conservation”. (Attended)	MNNIT, Allahabad and Bureau of Energy Efficiency, Ministry of Power, GOI.	March 04, 2006
3.	National conference on “Biomedical Engineering 2006 (NCBME-2006)”. (Paper presented)	Sardar Patel Institute of Technology, Andheri (W), Mumbai.	March 29- 30, 2006
4.	3 rd National Workshop on “Reservation Policy for Chief/Liaison officers for SC/ST and Dealing Officials”, at New Delhi. (Attended)	National Institute of Public Administration, Bangalore.	Sept. 28-29, 2006
5.	One-Day National Workshop on “Reservation for Persons with Disabilities (PWDs)”, at New Delhi. (Attended)	National Institute of Public Administration, Bangalore.	Sept. 30, 2006
6.	National Seminar on “Nano Medicine” (Attended)	BBS College of Engg. And Technology, Phaphamau, Allahabad.	Dec. 30, 2007
7.	One days’ “2008 Carbon Fiber Valley Colloquium Environmental-Energy-Fashion”. (Attended)	Organised by Society for the Advancement of Material and Process Engineering (SAMPE) Taiwan Chapter.	Oct. 04, 2008
8.	One day workshop on “Sound Quality”. (Attended)	Brüel & Kjaer Division of Spectris Taiwan Ltd.	Nov. 26, 2008
9.	2009 International Workshop on Processing and Properties of Reinforced Polymers Composites. (Attended)	College of Engg., Feng Chia University, Taichung, Taiwan.	June 15, 2009
10.	Seminar on “LoudSoft”, by Mr. Peter Larsen of LOUDSOFT Inc. (Attended)	Electroacoustic Graduate Program, Feng Chia University, Taichung, Taiwan (ROC).	July 13, 2009

11.	"Big Sound from Small Speakers", Electro-acoustic theory and Practice Seminar Series by Prof. Dr. Wolfgang Klippel, Technical University of Dresden & KLIPPEL GmbH Germany. (Attended)	Electroacoustic Graduate Program, Feng Chia University, Taichung, Taiwan (ROC).	July 27-31, 2009
12.	4 th Global Youth Leadership Summit 2009 Organized at Chung Hua University, Hinshu. (Attended as Canadian Delegate in Trade Committee)	<u>HOSTED by:</u> World Leadership Education Foundation. <u>INSTRUCTED by:</u> MOFA, Ministry of Education, National Youth Commission, Taiwan. <u>COORDINATED by:</u> Division of Politics & Economy at WLEF.	Aug. 22–25, 2009
13.	SEMCON 2009, MEMS Forum Theme: Development and Technology Trend on MEMS Products. (Attended)	International Convention Center, Near 101, Taipei, Taiwan.	Oct. 01, 2009
14.	Semiconductor Science and Technology Seminar 2009 Venue: Ministry of Economic Affairs Small and Medium Enterprise Incubation Center, Hsinshih Township, Tainan County, Tainan Science Park, Tainan, Taiwan. (Attended)	<u>Organizers:</u> Republic of China Society of Southern Taiwan Science Park, semiconductor production Promotion Committee, Industrial Technology Research Institute <u>Co-Organizer:</u> Southern Taiwan Science Park Administration, Taiwan Semiconductor Industry Association (TSIA), Republic of China Micro Systems and Nano Science and Technology Association.	Oct. 15, 2009
15.	1 st International Conference On Recent Advances In Mechanical Engineering (ICRAME 2010). (Paper presented)	Mechanical Engineering Department, Noorul Islam University, Kumaracoil-629180, Tamilnadu, India.	April 8–9, 2010
16.	International Conference on Convergence of Science & Engineering in Education and Research, A Global Perspective in the New Millennium (ICSE 2010). (Paper presented)	Dayananda Sagar Institutions, Bangalore, Karnataka, INDIA.	April 21–23, 2010
17.	The 20 th International Congress on Acoustics, Sydney, Australia (ICA 2010). (Paper presented)	International Commission for Acoustics.	Aug. 23–27, 2010
18.	National Conference on "EMERGING TRENDS IN MECHANICAL Engineering (ETME- 2011)". (Attended as Session Chair)	Department of Mechanical Engineering, IIMT college of Engineering, Greater Noida.	April 7–8, 2011
19.	2011 International Conference on Applied Mechanics and Manufacturing Technology (AMMT'11), Bali, Indonesia. (Oral presentation)	International Association of Management Science and Industrial Engineering (IAMSIE).	Aug. 4-5, 2011
20.	IEEE Sponsored Conference titled: "Students' Conference on Engineering and Systems (SCES-2013)". (Attended as Session Chair)	Electrical Engg. Department and Electronic and Communication Engg. Department, Motilal Nehru National Institute of Technology Allahabad.	April 12-14, 2013
21.	International Conference on Civil, Biological and Environmental Engineering (CBEE-2013), Bangkok (Thailand)	International Institute of Chemical, Biological and Environmental Engineering.	Nov. 21-22, 2013

29. Programme/Workshop/Camp/Conference/Seminar Organised

(A) Programme : 3 Nos.

1. Programme for overall development of SC-ST students of MNNIT, 2007, Allahabad.
2. Organized Training-cum-Orientation Programme for Children/Wards of Construction Workers and Mess Workers presently living in MNNIT campus, Feb. 15 – May 11, 2008.
3. Organized Training-cum-Orientation Programme for Orphans of Rajkiya Bal Shishu Griha. Shivkuti, Allahabad, Feb. 15 – May 11, 2008.

(B) Workshop : 2 Nos.

1. Organized one-day's workshop for "Curriculum Development for B. Tech. (Biotechnology) Programme", on Monday, May 15, 2006.
2. Organized three day "Workshop on Development of Communication Skill, Presentation Ability and overall Personality Development", April 14-16, 2007.

(C) Camp : 1 No.

1. Organised Lawn Tennis Camp and Tournament for students of MNNIT, Allahabad during 16 -24 November, 2012.

(D) Short Term Course : 1 No.

1. One Week Self Financed Short Term Course on "Micromanufacturing: Materials, Processes and Systems (MMPS-2013)", July 08-12, 2013, Mechanical Engineering Department and Applied Mechanics Department, Motilal Nehru National Institute of Technology Allahabad, Allahabad- 211004, India.

(E) Seminar :
Nil

(F) Conference :
Nil

30. Research Projects : 2 Nos.

1. Indo-Taiwan Programme of Cooperation in Science and Technology, project entitled "Characterization, Modeling and Analysis of Nano-flake and Nano-sheet Graphite Nanocomposites". March 2008 – Feb. 2011. Funded by "Global Innovation and Technology Alliance (GITA)", Department of Science and Technology (DST).
Project co-coordinator (Indian side)

2. Research Associates: Indo-Taiwan Programme of Cooperation in Science and Technology, entitled “Characterization, Modeling and Analysis of Nano-flake and Nano-sheet Graphite Nanocomposites” under Project Coordinator (Taiwanese Side): - Prof. W. S. Kuo, FCU, Taichung, Taiwan.

31. Visits Abroad : 10 Nos.

1. Visited Feng Chia University, Taichung, Taiwan for training during 17th August 2007 - 28th August 2007.
2. Visited Toko University, Chiayi, Taiwan. 23rd August 2007.
3. Feng Chia University, Taichung, Taiwan, 7th Sept. 2008 - 1st Sept. 2010.
4. Merry Electronic, Shenzhen Factory, China, Visited as “Consultant” during 25th February 2010 - 7th March 2010.
5. Attended 20th International Congress on Acoustics, (ICA 2010) for paper presentation, 23th August 2010 - 27th August 2010, Sydney, Australia.
6. Feng Chia University, Taichung, Taiwan, 12th Jan. 2011 - 26th Jan. 2011.
7. Feng Chia University, Taichung, Taiwan, 13th June 2011 - 19th July. 2011.
8. Attended 2011 International Conference on Applied Mechanics and Manufacturing Technology (AMMT'11), Bali, Indonesia for paper presentation during 3rd - 5th August 2011.
9. Feng Chia University, Taichung, Taiwan, 15th Jan. 2012 – 13th April 2012.
10. Feng Chia University, Taichung, Taiwan, 8th June 2012 – 20th July 2012.
11. Feng Chia University, Taichung, Taiwan, 20th Oct. 2013 – 27th Oct. 2013.
12. Attended International Conference on Civil, Biological and Environmental Engineering (CBEE-2013), Bangkok (Thailand) for paper presentation during 20th - 24th Nov. 2013.

32. Memberships : 3 No.

1. International Association of Engineers (IAENG)
Member No: 103235
2. Institute of Engineers (India)
Member No: M-147857-5, Regn. No. : 130200789620
3. Institute of Doctors Engineers and Scientists (IDES) – Invited Member
Membership Number: 2478

Date: -05-02-2014

(S. J. Pawar)

Place: - Allahabad, INDIA.