


## BIO – DATA

|                                    |   |   |
|------------------------------------|---|---|
| Name                               | : Dr. D. AZAD   |  |
| Employee ID                        | :A5MEC00T02   |   |
| Designation                        | : Professor and Dean R&D  |   |
| Department                         | : Mechanical Engineering  |   |
| Date of Birth                      | : 04-08-1971  |   |
| Father's Name                      | : Sri Duppala Latchanna   |   |
| Mother's Name                      | : Smt Duppala Suguna  |   |
| Reservation Category               | : BC-A  |   |
| Address                            | : Sana street, GVK Residency, Flat No 201,<br>Srikakulam Dist. Andhra Pradesh – 532201  |   |
| Mobile                             | : +919848137045   |   |
| Mail Id                            | : <a href="mailto:d_azadin@adityatekkali.edu.in">d_azadin@adityatekkali.edu.in</a> , <a href="mailto:duppalaazadin@gmail.com">duppalaazadin@gmail.com</a> ,<br><a href="mailto:dean.rnd@adityatekkali.edu.in">dean.rnd@adityatekkali.edu.in</a> |   |
| Date of Joining In Present College | : 16-08-2005  |   |

### **Academic Excellence:**

| QUALIFICATION                         | BOARD / UNIVERSITY   | DIVISION    | YEAR      |
|---------------------------------------|----------------------|-------------|-----------|
| Ph. D (Mechanical Engineering)        | AU, Vishakapatnam    | -           | July 2014 |
| M. Tech (Mineral Process Engineering) | AU, Vishakapatnam    | FIRST Class | Jan 1995  |
| B. Tech (Mechanical Engineering)      | ANU, Nagarjuna Nagar | FIRST Class | May 1992  |

### **Total Years of Experience (Teaching/Industry):26 Years**

| Period    |           | Organization/Institution/Industry | Designation                            |
|-----------|-----------|-----------------------------------|--|
| Oct 2021  | Till Date | AITAM, Tekkali                    | Professor and Dean R&D                 |
| Aug 2014  | Sep 2021  | AITAM, Tekkali                    | Professor & Controller of Examinations |
| July 2006 | July 2014 | AITAM, Tekkali                    | Assoc. Prof.                           |
| Aug 2005  | July 2006 | AITAM, Tekkali                    | Asst. Prof.                            |

|          |           |                               |              |
|----------|-----------|-------------------------------|--------------|
| Aug 2001 | July 2005 | SISTAM, Srikakulam            | Asst. Prof.  |
| Aug 1995 | July 2001 | Essar, Hazira & GPEC, Bharuch | Sr. Engineer |

Field of Specialization :

1. B. Tech. Mechanical Engineering
2. M. Tech. Mineral Process Engineering
3. Ph. D in Fault diagnosis of mechanical systems

Subjects of interest (Teaching) :

1. Engineering Mechanics
2. Kinematics of Machinery
3. Dynamics of Machinery
4. Condition monitoring and Diagnostics of machines
5. Mechanical Vibrations

No of Scholars : 01

a) Awarded with Ph. D : --

b) Working for Ph. D : --

No. of M. Tech Projects guided : 08

Awards received : --

Titles of books authored : --

Membership of Professional Bodies :

Life member The Indian Society for Technical Education (ISTE), FIE, CMSIE, Chartered Engineer

Members Curriculum development : Yes

Bodies (such as BOS, Academic council)

Any other distinctions :

**Ratified as Professor in 2014 by JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA, KAKINADA**

**Ratified as Associate Professor in 2006 by JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD**

**Ratified as Assistant Professor in 2001 by JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD & JNTUK,KAKINADA**

**Honorary Secretary (Past) of IEI, Srikakulam Local Center**

**Honorary Chairman(Past) of IEI, Srikakulam Local Center**

**No. of Conferences / Workshops/FDP : 26**

**Publications : 23**

(Enclose the list in the given order)

***I. Journals***

a) National : --

b) International : 19

***II. Conferences***

a) National : 02

b) International : 02

**Course / Conference attended : 17**

(Enclose the list)

a) Refresher courses : 16

b) Orientation courses : --

c) Conferences : 01

External Funding : **Organized Two weeks FDP on “Fault diagnosis, Condition monitoring and Structural dynamic analysis” Conducted By AITAM, Sponsored by AICTE at Aditya Institute of Technology and Management, Tekkali, 6<sup>th</sup> – 19<sup>th</sup> November, 2017**

**Funded by AICTE- 6,68,792/- Grant sanction order dated 06.06.2017**

Countries visited on academic activity : --

Administrative Positions held :

Head of the Department at SISTAM,

In-charge Principal at SISTAM,

Additional Controller of Examinations in AITAM, Controller of Examinations in AITAM

Organized FDP Funded by TEQIP, Student events etc.

No. of Conferences / Workshops : 26

1. **Online One week FDP on “Simulation of Life Sciences” organized by APSSDC, AP. During 24<sup>th</sup> May- 29<sup>th</sup> May 2021.**
2. **Two day workshop on “Optimization tools in manufacturing process” organized by VSSUT,BURLA . During Sept 8-9, 2020**
3. **Workshop on “Python Programming” conducted by 360 Digi TMG,INDIA. During 3rd Aug 2020- 7th Aug 2020**
4. **One week online FDP “Finite Element Analysis and Computational Dynamics using Ansys” Jointly organized by Government College of Engineering, karad and REC Azamgarh., during June 13th- 17th 2020.**
5. **One Week FDP on “Recent advances in material characterisation” organised by NITTR, Chandigarh, MHRD,GOI. During 23 May- 28 May 2020.**
6. **One Week Faculty development programme on “Advances in materials and manufacturing processes “ organised at JNTUK, during 29th October to Nov 3rd , 2018.**
7. **Advances and Applications of Composites, Nano materials and Nano fluids Conducted by AITAM, Tekkali, during 17th – 21<sup>st</sup> December 2015.**
8. **Five day international workshop on Reviving education by implementing active & Guided inquiry experiences in Science, Technology, Engineering, Math and Management. Organized by IIT Hyderabad & AITAM , under TEQUIP Phase II, at AITAM, Tekkali, on August 3<sup>rd</sup> – 7<sup>th</sup> , 2015.**
9. **One day workshop on “outcome based education” conducted under TEQUIP Phase-II, AITAM, Tekkali. On 13<sup>th</sup> March 2015.**
10. **Attended a ISTE Workshop on 21<sup>st</sup> century, the dawn of digital era: pedagogical issues of technical teachers 15th – 16 th Nov, 2014,AITAM,Tekkali.**
11. **One week MHRD’s National Mission for teachers and Administrators Management Capacity Enhancement Programme Conducted by IIM Indore during 27<sup>th</sup> October- Nov 2<sup>nd</sup> 2014.**
12. **Two day Faculty Training Program at Vennar Ceramics Ltd, Kaikaluru , Krishna Dist. Under TEQIP-II .Project organized on 17th and 18th Oct 2014.**
13. **Tool Design And Manufacturing” During 12th to 25th sept,2013,Visvodhaya Institute of Technology, kavali, Nellore.**
14. **A Two day FDP on “New Horizons in Mechanical Engineering” under TEQUIP Phase-II, AITAM, Tekkali. On 22<sup>nd</sup>-23rd March, 2013**

15. **One day workshop on “Machinery Condition Monitoring-2013”(MCM-2013) Conducted by Andhra University, Visakhapatnam. 14<sup>th</sup> March, 2013.**
16. **One day workshop on “outcome based education” conducted under TEQUIP Phase-II, AITAM, Tekkali. On 19<sup>th</sup> January, 2013**
17. **Two day national level staff development programme on “CFD and its applications” Conducted by AITAM, Tekkali, 30<sup>th</sup> to 31<sup>st</sup> March,2012**
18. **A two day workshop on “Faculty Development Program” Conducted by AITAM, Tekkali , 22<sup>nd</sup> to 23<sup>rd</sup> March,2012**
19. **A two day national workshop on “Advanced Applications of Fem in Mechanical and Civil Engineering Systems” Conducted by GMR IT, Rajam., 25<sup>th</sup> - 26<sup>nd</sup> November, 2011.**
20. **A Wipro Mission 10X worksop on “High Impact Teaching Skills” attested ny Dale Carnegine & Associates Inc Trainer and Wipro, 21<sup>st</sup>, 22<sup>nd</sup> February, 2011.**
21. **AICTE Sponsored Two day workshop on “Nano Technology and Applications” conducted by AITAM, Tekkali 12<sup>th</sup>, 13<sup>th</sup> March, 2010.**
22. **National Conference Condition Monitoring (NCCM-2009) Organized by Condition Monitoring society of India & Naval Science and Technological Laboratory. 4<sup>th</sup>, 5<sup>th</sup> December, 2009.**
23. **International Conference on Advances in Mechanical Engineering (ICAME-2008) Conducted by SVNIT, Surat, 15<sup>th</sup> to 17<sup>th</sup> December, 2008.**
24. **A three day workshop on “Faculty Development Program” Conducted by AITAM, Tekkali 20<sup>th</sup> to 22<sup>nd</sup> February, 2008.**
25. **National workshop on Design and production aspects conducted by M. V. G. R at Vizianagaram, 08<sup>th</sup> to 10<sup>th</sup> January, 2004.**
26. **A three day workshop on Design and Performance of Pumps and gearboxes Conducted by Essar steels, Hazira, 08<sup>th</sup> to 10<sup>th</sup> February, 1999.**

**No. of Courses attended: 17**

1. **Three day course on “ Material characterisation using Nanatom” conducted by ANSYS Entuple Technologies,during 25<sup>th</sup> May- 27<sup>th</sup> May 2020.**
2. **Certificate Course on “Introduction to Basic Vibrations” Issued by Korea Advanced Institute of Science and Technology, April 2020**

3. ***Certificate Course on “Engineering Mechanics” Issued by Georgia Institute of Technology, April 2020***
4. ***Certificate Course on “Mechanics of Materials-I” Issued by Georgia Institute of Technology, April 2020***
5. ***Certificate Course on “Mechanics of Materials-II” Issued by Georgia Institute of Technolog, April 2020***
6. ***Certificate Course on “Mechanics of Materials-III” Issued by Georgia Institute of Technolog, April 2020***
7. ***Certificate Course on “Mechanics of Materials-IV” Issued by Georgia Institute of Technology, April 2020***
8. ***Certificate Course on “Design of Machine Elements Part-I” Issued by Georgia Institute of Technology, April 2020***
9. ***Eight weeks NPTEL certified course “ Accreditation and outcome based learning “ August-October 2019.***
10. ***One Week Faculty Development Programme on “Advances in materials and manufacturing processes” conducted by UCEK(A), JNTU Kakinada, 29<sup>th</sup> Oct – 3<sup>rd</sup> Nov,2018.***
11. ***Two weeks FDP on “Fault diagnosis, Condition monitoring and Structural dynamic analysis” Conducted By AITAM, Sponsored by AICTE at Aditya Institute of Technology and Management, Tekkali, 6<sup>th</sup> – 19<sup>th</sup> November, 2017***
12. ***Finite Element Method with emphasis on composite structures conducted by IIT Hyderabad, March 13-18, 2017***
13. ***One Week short term course on fuel cell technology conducted by A. U. College of Engineering., Visakhapatnam, 6<sup>th</sup> -10<sup>th</sup> April 2015.***
14. ***Conference and pre conference (AMTDR-2010) Workshop on “Challenges in Micro and Nano milling machines” Conducted by A. U. College of Eng., Visakhapatnam, 11<sup>th</sup>, 12<sup>th</sup> December, 2010.***
15. ***Short Term Training Program on “Advanced Finite Element Analysis” by Prof. J. N. Reddy, GVP, Visakhapatnam 20<sup>th</sup> – 22<sup>nd</sup> December, 2007***
16. ***A Course on “Condition Based Maintenance CBM 07” Conducted By CMSI & NSTL, Visakhapatnam, 11<sup>th</sup> – 12<sup>th</sup> November, 2007***
17. ***Refresher Course on Case studies and vibration analysis Conducted by Howard finely Maintenance and research Institute at Chennai, 13<sup>th</sup> – 15<sup>th</sup> July, 2000.***

1. **Syambabu Nutala pati, D. Azad, G. Swami Naidu, Analysis Of Stress Concentration Factors In Components having Notch, International Journal of Engineering Research-Online A Peer Reviewed International Journal Articles available online <http://www.ijoer.in>; editorijoer@gmail.com Vol.6., Issue.1, Jan-Feb2018, ISSN: 2321-7758**
2. **Annepu Shobha Rani , D. Azad, P. Kartheek & A. Lakshumu Naidu, Experimental Investigation On The Performance And Emission Characteristics Of DI-Diesel Engine Using Diesel – Ethanol Blends And Aluminum Oxide Nano Particles, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), ISSN (P): 2249-6890; ISSN (E): 2249-8001, Vol. 7, Issue 5, Oct 2017, 301-310**
3. **G.Sravan kumar, D.Azad and Mohan Lakshmi, “Numerical Solutions for performance prediction of centrifugal compressor”, IJMET, Volume 8, Issue 2, February 2017, pp. 237–245, ISSN Print: 0976-6340, ISSN Online: 0976-6359**
4. **Syambabu Nutala pati, D. Azad, G. Swami Naidu, Structural Analysis of friction clutch plate by using fillet radius. IJER, Vol.5., Issue.1, Jan-Feb 2017**
5. **Syambabu Nutala pati, D. Azad, G. Swami Naidu, Effect of fluid pressure on impeller, IJER Vol.5., Issue.2, March-April 2017.**
6. **G.Sravan kumar, D.Azad and Mohan Lakshmi, Valuation of turbulence modeling on low speed Centrifugal compressor using Computational Fluid dynamics, IJMET, Volume 7, Issue 6, November–December 2016, pp.634–64**
7. **Syambabu Nutala pati, D. Azad, G. Swami Naidu, Effect of welding current on weld speed and ultimate tensile strength (UTS) of mild steel , IJMET , Volume 7, Issue 5, September–October 2016, pp.156–176,**
8. **Kiran kumar and Azad “Modeling and transient thermo mechanical analysis of steam turbine using FEM”, IJAER,10,(24),2015.**
9. **Basava veneela and D.Azad, “Design Optimization of mounting plate modification of exhaust manifold system by using FEA”, 44221-44230, IJAER(10) 24, 2015.**
10. **D.Satyagovindamma and D.Azad, “Thermal energy management of blast furnace plant”. IJRET 4 (5), 563-566, 2015**
11. **K. Mohan Kumar and Azad, “An experimental investigation of performance and emissions of LPG as duel fuel in diesel engine generator”, 41-53, IJERA,(11),2014.**

12. **S.Bhanuteja<sup>1</sup> and D. Azad**, “ **Effect of Pressure drop on performance of a Shell and Tube Heat Exchanger using nano fluids**” **ISSN 2319-2690 International Journal for Research in Science & Advanced Technologies Issue-3, Volume-1, 001-004 Page, 2014**
13. **S.Bhanuteja<sup>1</sup> and D. Azad** , “ **Thermal performance and flow analysis of nano fluids in a shell and tube heat exchanger**” **International Journal of Mechanical Engineering and Technology (IJMET), ISSN 0976 –6340(Print), ISSN 0976 – 6359(Online) Volume 4, Issue 5, September - October (2013) © IAEME, pp. 164-172**  
.
14. **Srihari.P and Azad.D**, “**Stress analysis of embedded rail insert in pre-stressed concrete sleeper**” **IJERT, Vol. 2, Issue 10, 2013,pp. 1632-1641**
15. **Srihari.P and Azad.D**, “**Optimization of rail inserts using finite element analysis**”, **International Journal of Engineering, Science and Technology , Vol. 6, No. 2, 2014, pp. 65-75.**
16. **Azad.D and Ramji.K** Title “ **Fault diagnosis of hot metal ladle using infrared thermography**”, **Asset management and maintenance journal, Australia,Vol 26, No 6, pp 26-31, (2013).**
17. **Azad.D and Ramji.K** Title “**Identification of bearing assembly defects using Finite Element Analysis and Condition Monitoring Techniques**”, **IJERT, ERSA Publisher,Vol 1,Issue 6, (2012).**
18. **Azad.D and Ramji.K** Title : “**An effective IP algorithm for active IR thermographs: detecting defects metallic stuffs**” **IJMIS, Inderscience publisher ,Vol.2,Nos.3/4, pp296-319, (2011).**
19. **Azad.D and Ramji.K** Title : “**Process Plant Reliability through Infra Red Thermography**” **International Journal of Applied Engineering Research, Volume 6, no 12, pp 1421-1430, (2011).**



No. of papers published in national Conferences: 02

1. *Azad.D , B A Ranganath “Experimental Analysis of Nano fluids on Thermo physical Properties On Influence of Temperature and Volume Fraction”, Published paper at National Conference Sponsored by DST & Conducted by AITAM, Tekkali March 4-5, 2016*
2. *Azad.D and Ramji.K Title “ Fault diagnosis of electrical systems using infrared thermography”, NCCM-2013, IISC Bangalore, Oct 4-5,2013.*

No. of papers published in International Conferences: 02

1. *Srihari.P and Azad.D, “ Design optimization of SGCI insert embedded in prestressed concrete sleeper” IIE International conference on advances in engineering and technology, Singapore, March 29-30,2014.*
2. *Azad.D , B A Ranganath and Ramji.K Title: “Fault diagnosis of mechanical systems” International Conference on Advances in Mechanical Engineering,SVNIT,Dec15-17, pp473-478, (2008).*

Signature



**(Dr. D.AZAD)**