

**Name:** D. APPARAO

Employee ID: A5MEC00T43

**Designation:** Asst. Professor

**Department:** Mechanical Engineering

Date of Birth: 28-07-1978

Father Name: D. Nanababu

Mother Name: D. Vijayagowri



Reservation Category if Any BC-B

SC	ST	BC- A/B/C/D/E	OC
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**Address:** D. No. 5-17-1, Baba Nagar 4<sup>th</sup> line, Rajam, Srikakulam (Dist), Andhra Pradesh.

**Mobile Number:** 9703097357

**Email id:** [apparao22@gmail.com](mailto:apparao22@gmail.com)

**Date of Joining in the Institution:** 03-02-2014

**Academic Excellence:**

QUALIFICATION	BOARD / UNIVERSITY	DIVISION	YEAR
M. Tech	JNTUK, Kakinada	FIRST Class	Feb, 2011
B. Tech	NIT, Warangal	FIRST Class	July, 2002

**Total Years of Experience (Teaching/Industry):**12 Years

Period		Organization/Institution	Designation
Feb2014	Till date	AITAM, Tekkali	Asst. Prof.
Mar 2011	Jan 2014	SISTAM, Srikakulam	Asst. Prof.
Oct 2002	Jun 2008	Vasavi Poly Industris, Rajam	Production Engineer

**Areas ofInterest:**

1. Engineering Mechanics
2. Engineering Drawing
3. Theory of Machines
4. Machine Design
5. CAD/CAM

**Guidance of Academic Projects:**

- i) Doctoral Projects : -
- ii) Masters Projects: 02
- iii) Bachelor Projects: 07

**Sponsored Research Projects:**

S. No.	Sponsoring Agency	Title of the Project	Grant
1	UGC	Experimental Investigations to improve machining characteristics during high speed milling of Al/TiB <sub>2</sub> particulate metal matrix composites	1,20,000/-

**Honors and awards received: -****Memberships of Professional Societies and Other Organizations:**

1. ISTE (LM 103617)
2. IE (M-1589479)

**Other Responsibilities:**

1. Time Table Incharge
2. NBA VI & VIII criteria Department Coordinator
3. IQAC Member
4. Engineering Workshop Lab Incharge

**Details of Book Publications: -****Details of Publications:****International Journals:**

1. **D. APPARAO**, "Optimization of Milling Process Parameters for Machining of Aluminium-TiB<sub>2</sub> Metal matrix composite", The International Journal of Analytical and Experimental Modal Analysis (IJAEMA)", ISSN No: 0886-9367, Volume XII, Issue II, February/2020, page No: 2695-2701.
2. **D. APPARAO**, "Fabrication and Characterization of Al/TiB<sub>2</sub> Metal Matrix Composites Using Stir Casting Process", The International Journal of Analytical and Experimental Modal Analysis (IJAEMA)", ISSN No: 0886-9367, Volume XII, Issue I, January/2020, page No: 2818-2824.
3. Y. Hari Babu, **D. Apparao**, "Fabrication and characterization of Epoxy Resin Bagasse and Jute Fiber Reinforced composite", *International Journal for Scientific Research and Development (IJSRD)*", ISSN: 2321-0613, Volume 7, Issue 4, June 2019.
4. M.Tatarao, M.Venkataramana, **D.Apparao**, "CFD Simulation of flow and Heat transfer of Two-Phase Nano fluid in Heat Exchanger", "*Journal of Emerging Technologies and Innovative Research (JETIR)*", ISSN: 2349-5162, Volume 5, Issue 12, December 2018.
5. S.K.Madhavi, **D. Apparao**, "Optimization of CNC Face milling process parameters using Taguchi Method" "*International Journal of Advance Engineering and Research Development*", ISSN: 2348-4470, Volume 5, Issue 5, May 2018.

6. **D.Apparao**, M.V. Jaganandha Raju, “Experimental Investigation on Hardness, Microstructure and Surface Roughness of Maraging steel parts produced by Direct Metal Laser Sintering Technique”, “*International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)*”, ISSN: 2249-6890, Volume 8, Issue 2, March 2018.
7. B. Siva Srinivas, B. Rama Krishna, **D.Apparao**, “CFD Analysis of Enhancement of the Forced Convection Heat Transfer over the Pin Fin with Trapezoidal Fin Micro channel”, “*International Journal of Engineering and Applied Sciences (IJEAS)*”, ISSN: 2394-3661, Volume-3, Issue-11, November 2016.
8. Sagar Yanda, **D.Apparao**, “Design and Analysis of Turbo Jet Engine”, “*Asia Pacific Journal of Research, ISSN: 2320-5504, Volume -1, Issue - XLII, August 2016.*
9. **D.Apparao**, Y.Sagar, “Design and Development of Hand Water Pump with a Pendulum”, “*International journal of Engineering and Management Research*” – Vol-5, Issue 6, December 2015, Page No: 357-361, ISSN: 2394-6962.

#### **International Conferences:**

1. **D. Apparao**, M.V. Jagannadha Raju, “Design and Analysis of Spur gear Manufactured by DMLS Process”, “International Conference on Manufacturing, Material Science & Engineering (ICMMSE)”, at CMR Institute of Technology, Hyderabad, held during 18-19 December 2020.
2. **D. Apparao**, M.V. Jagannadha Raju, “Experimental Investigation on Maraging Steel Metal deposition using DMLS Process”, “*International Conference on Emerging Trends in Engineering (ICETE)*”, at University College of Engineering, Osmania University, Hyderabad, held during 22-23 March 2019.
3. **D. Apparao**, “An Artificial Intelligence approach to investigate the influence of boric acid particle size in the machining of hardened steel”, “*International Conference on Mechanical and Industrial Engineering(ICMIE)*”, 7<sup>th</sup> October, 2012, at Hyderabad, Andhra Pradesh.

#### **National Conferences:**

1. “Application of Artificial neural networks & Regression Analysis in the Metal Cutting”, “*National level Mechanical Engineering Students Conference*” (MESCON), 23<sup>rd</sup> & 24<sup>th</sup> September 2010, at Andhra University College of Engineering, Visakhapatnam.

**Details of Conferences / Workshops / Refresher Courses Organized:****Details of Conferences / Workshops / Refresher Courses Attended:****Internal:**

S. No.	Dates	Name of the Programme	Host Institution
1	5 <sup>th</sup> July 2016	One day awareness workshop on “Intellectual Property Rights (IPR) in E & IT Sector”.	AITAM, Tekkali
2	17 <sup>th</sup> to 21 <sup>st</sup> December 2015	Five day Faculty Development Program on “Advances and Applications of Composites, Nano materials and Nano fluids”.	AITAM, Tekkali
3	09 <sup>th</sup> March, 2015	One Day Workshop on Outcome Based Education in Association with IUCEE, Under TEQIP Phase-II	AITAM, Tekkali

**External:**

S. No.	Dates	Name of the Programme	Host Institution
1.	25 Jun <sup>th</sup> to 06 <sup>th</sup> July, 2013	“Characterization of Materials and Processing of High Strength Materials”	GRIET, Hyd.
2.	March 23 <sup>rd</sup> to 28 <sup>th</sup> , 2015.	Faculty Development Program under TEQIP-II on Achieving Academic Excellence	
3.	4 <sup>th</sup> & 5 <sup>th</sup> December 2015	Two day National workshop on “Machining of Advanced Materials”.	VNIT, Nagpur
4.	10 <sup>th</sup> to 12 <sup>th</sup> April 2014	Three day national workshop on “Advances and Applications of CFD”.	JNTUK, Kakinada
5	3 <sup>rd</sup> & 4 <sup>th</sup> January 2014	Two day National Workshop on “Vibrations and Health Monitoring of Engineering Infrastructures”.	AU College of Engineering, Visakhapatnam
6	5 <sup>th</sup> to 7 <sup>th</sup> April 2013	Three day National Workshop on “Advanced Optimization Techniques for Engineering and Management”	GMR Institute of Technology, Rajam
7	31 <sup>st</sup> August & 1 <sup>st</sup> September 2012.	Two day National Workshop on “National Programme on Technology Enhanced Learning (NPTEL) Awareness Workshop”	NIT Warangal

### Award & Rewards

S. No.	Academic year	Description	Amount
1	2018-19	Reward for NPTEL Certification (Top 1%) in "Rapid Manufacturing".	3000/-
2	2018-19	Reward for attending International Conference at Osmania University, Hyderabad	4019/-
3	2017-18	Reward for paper publication in IJMPERD	5000/-
4	2015-16	Reward for paper publication in IJEMR	1000/-
5	2015-16	Faculty qualification upgradation	20000/-
7	2015-16	Reward for attending Two day National workshop on "Machining of Advanced Materials". At VNIT, Nagpur.	6088/-
8	2014-15	Reward for attending Three day national workshop on "Advances and Applications of CFD" at JNTUK, Kakinada.	3088/-

### Other Achievements:

1. Ratified as an Asst. Professor in 2016JNTUK selections.

*D. Apm*

**Signature**