

Name: SATHISHKUMAR ADAPA

Employee ID: A5MEC00T40

Designation: Asst. Professor

Department: Mechanical Engineering

Date of Birth: 27/08/1986

Father Name: RAMANARAO

Mother Name: JAYALAXMI

Reservation Category if Any OC

SC	ST	BC- A/B/C/D/E	OC
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Date of Joining in the Institution: 27-11-2013

Academic Excellence:

QUALIFICATION	BOARD / UNIVERSITY	DIVISION	YEAR
PhD (Mechanical)(Pursuing)	NIT Raipur		Joined on 2019
M .Tech (Design & Manufacturing)	C.U.T.M	DISTINCTION	2013
B.Tech (Mechanical)	J.N.T.U.K	FIRST CLASS	2009

Total Years of Experience (Teaching/Industry): 09 Years 8 months

Period		Organization/Institution	Designation
Nov 2013	Till date	AITAM, Tekkali	Assistant. Professor
Jun 2013	Nov 2013	CUTM, Paralakhemundi	Assistant. Professor
Dec 2010	May 2011	JITM, Paralakhemundi	Lecturer
Aug 2009	Dec 2010	KSCPL	NDT Technician

Areas of Interest:

1. Feature recognition
2. Natural fibers and green composites
3. Engineering Drawing
4. Design of Machine Members
5. Engineering Mechanics
6. Thermodynamics
7. Mechanics of Solids
8. Production technology
9. Fluid Mechanics & Hydraulic Machines
10. Tribology

Guidance of Academic Projects:

- i) Doctoral Projects : -
- ii) Masters Projects : 2
- iii) Bachelor Projects : 12

Sponsored Research Projects:

S. No.	Sponsoring Agency	Title of the Project	Grant
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Honors and awards received:

Memberships of Professional Societies and Other Organizations:

1. **Life member**, Indian Society for Technical Education(ISTE),Institute of Engineers (IE)

Other Responsibilities:

1. Modular Program Departmental Coordinator
2. Departmental SAC Coordinator
3. A head course on NDT Instructor
4. Department of Mechanical Engineering TEQIP Coordinator.
5. R&D Project Lab in charge
6. Asian E-bike challenge 2019 coordinator.
7. Departmental placement in charge.

Details of Book Publications: Nill

International Journals:

1. **Sathish Kumar Adapa**, Sreeramulu Dowluru, Jagadish (2021) “Classification and Automatic Feature-Based Extraction Approach for Cylindrical and Milling Parts” International Journal of Manufacturing, Materials, and Mechanical Engineering (IJMMME), Vol 11(3), DOI: 10.4018/IJMMME.2021070104.
2. D. Sreeramulu, Y. Sagar, P. Suman and **A.Satish Kumar** “Integration of Process Planning and Scheduling of a Manufacturing Systems using Petri nets and Genetic Algorithm” Indian Journal of Science and Technology, Vol 9(41), DOI: 10.17485/ijst/2016/v9i41/100874, November 2016.
3. D. Sreeramulu, **A.Satish Kumar** “Development of a Computer Aided Process Planning System by Product Modelling Using ST-Developer” International Journal of Conceptions on Mechanical and Civil Engineering Vol.3,issue.1, April’2015;ISSN:2357-2760.
4. M.venkatesh, D.sreeramulu and **A.satishkumar** “Automatic Tool Path Generation For Freeform surfaces Usig B-Spline Technique” Journal of Mechatronics and Intelligent Manufacturing Vol 2, Number 3/4 ISSN:1949-4904.
5. M.Naveen ram, **A.Satish kumar**,D.sreeramulu and M.venkatesh “ Crank Shaft Design And Thermal Analysis Of Forged Steel And Metal Matrix Composite Material Using ANSYS” International Journal & Magazine of Engineering, Technology, Management and Research ISSN No:2348-4845

International Conferences:

1. Srihari Palli, D.Sreeramulu & **Satish kumar Adapa**, “Design and Analysis of Go-Kart”, International Conference on Emerging Trends in Engineering Science and Technology - 2018, MM University, Mullana, Ambala, Haryana, 4-8, Feb 16th & 17th 2018.

2. **A.Satish kumar**, D.sreeramulu and C.S.P.Rao “Automatic identification of cylindrical/Tapered features from Prismatic Components” 5th international & 26th all india Manufacturing Technology, Design and research Conference(AIMTDR-2014 December 12th-14th ,2014. **IIT Guwahati**, Assam, India.
3. **A.Satish kumar**, D.sreeramulu and M.venkatesh, “A New Methodology for Identifying Holes from STEP File”, 2nd International Conference on Advanced Manufacturing and Automation(INCAMA-2013), Kalasalingham university Engineering College, Madurai, Tamilnadu.
4. D. Sreeramulu, Y. Sagar, P. Suman and **A.Satish Kumar** “Integration of Process Planning and Scheduling of a Manufacturing Systems using Petri nets and Genetic Algorithm” 2nd International Conference on Design, Analysis, Manufacturing & Simulation (ICDAMS 2016), Saveetha School of Engineering, Saveetha University, Chennai, 7-8 April 2016.
5. D. Sreeramulu, M. Venkatesh, Y. Sagar, **A.Satish Kumar** “Utilisation of Blending Karanja oil with Methanol in a Diesel Engine” International Conference on Recent Trends in Engineering, Science & Technology (ICRTEST-2016), St. Peter’s Engineering College, Dullapally, Hyderabad, 25-27 October 2016.
6. D.Sreeramulu, Suman.P, **A.satish kumar** “ A New Methodology to Extract Machining Features From Prismatic Parts.” International conference on advances in engineering and technology(ICAET2014) March 29-30,2014 Singapore.
7. M.venkatesh, D.sreeramulu and **A.satishkumar** “Automatic Tool Path Generation For Freeform surfaces Usig B-Spline Technique” 2nd International Conference on Advanced Manufacturing and Automation(INCAMA-2013), Kalasalingham university Engineering College, Madurai, Tamilnadu.
8. **A.satish kumar** ,D.sreeramulu , D.Raghuv eer and M.vijay “ International conference on Biotechnology, Nanotechnology & Environmental Engineering (ICBNE’15) April 22-23,2015 **Bangkok (Thailand)**.

Details of Conferences / Workshops / Refresher Courses Organized: Nill

Details of Conferences / Workshops / Refresher Courses Attended:

Internal:

S. No	Dates	Name of the programme	Host Institute
1.	15-16 November, 2014	Two Day Seminar on “Twenty First Century, the dawn of Digital Era Algological Issues Of Technical Teachers”	AITAM, Tekkali
2.	17-21 December, 2015	Five Day Faculty Development Program on “Advances and Applications of Composites, Nano Materials and Nano Fluids.	AITAM, TEKKALI

FOREIGN COUNTRY VISITED				
S. No	Country visited	Title of paper presented	Conference	Dates of visit
1.	Malaysia	Development of Computer Aided Process Planning System by Product Modeling using ST-Developer	International Conference on Mechanical and Production Engineering	April 20-21,2015
2.	Bangkok	Production of Bio-Diesel From Renewable Biological Sources	International Conference on Biotechnology, Nanotechnology and Environmental Engineering	April 22-23,2015

External:

S. No	Dates	Name of the program	Host Institute
1.	25 th June to 06 th July, 2013	“Characterization of Materials and Processing of High Strength Materials”	GRIET, Hyd.
2.	12-25 September, 2013	“Tool Design And Manufacturing”	Visvodaya institute of technology & Science, Kavali, Nellore.
3.	27-29 June, 2014	Design and Degree Show (DDS 2014)	Industrial Design Center, IIT Bombay
4.	12-14 December, 2014	5 th international & 26 th all India Manufacturing Technology, Design and research Conference (AIMTDR-2014).	IIT Guwahati , Assam, India
5.	13-19 June, 2016	“Global Initiative of Academic Networks(GIAN)” course “Mechanics and modeling of soft materials”	IIT Madras

Award & Rewards:

S. No	Academic Year	Description	Amount
1.	2013-14	Incentive for 98.44% result in PPE IV-II_ME	1,000/-
2.	2014-15	Reward for attending and presenting paper at IIT Guwahati.	10,184/-
3.	2014-15	Incentive for 90 % result in PPE I-I_ME-A	1,000/-
4.	2015-16	Incentive for publication of journal paper	1,000/-
5.	2015-16	Reward for attending two weeks GIAN course at IIT Madras.	6,703/-
6.	2013-14	Incentive for 95% result in TD	1000/-
7.	2014-15	Incentive for 95% result in AEDP	1000/-

Other Achievements:

1. Ratified as assistant professor in 2013 in JNTUK selections.
2. **Resource Person** for two days student workshop “Software Application for Product Development in Manufacturing” Conducted by Centurion University of Technology And Management, Parlakhemundi during October 5th & 6th 2013.
3. **Ranked 2nd** Place in M.Tech at CUTM Paralakhemundi.
4. **Lab External** for AG B.Tech Students in CUTM Parlakhemundi.

I (A. Sathish kumar), hereby declare that the information furnished above is true to the best of my knowledge.

(A. Sathish kumar)