

**Name: Raghuveer Dontikurti**

Employee ID: A5MEC00T60

**Designation:** Assistant Professor

**Department:** Mechanical Engineering

Date of Birth: 26/02/1989

Father Name: Suryanarayana

Mother Name: Visalakshi

Reservation Category if Any OC

SC	ST	BC- A/B/C/D/E	OC
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**Address:** DNo:1-75, D.Kesavaram-533341, Mandapet Mandal, East Godavari District.

**Mobile Number:** 9778903403

**Email id:** raghuveer.dontikurti@gmail.com.

**Date of Joining in the Institution:** 22-11-2019

**Academic Excellence:**

QUALIFICATION	BOARD / UNIVERSITY	DIVISION	YEAR
M .Tech-Design & Manufacturing	Centurion University of Technology and Management, Paralakhemundi.	Distinction	2013
B.Tech-Mechanical	Aditya Engineering College, Surampalem	FIRST CLASS	2011

**Total Years of Experience (Teaching/Industry):** 06 Years

Period		Organization/Institution	Designation
1 <sup>st</sup> August 2013	21 <sup>st</sup> November 2019	Centurion University of Technology and Management, Paralakhemundi.	Assistant Professor
27/4/2017	1/4/2019.	Centurion University of Technology and Management, Paralakhemundi.	Head of Department, Mechanical Engineering
2018	2019	Ananthapur Hub for APSSDC-DASSAULT Centre of Excellence project	Hub Manager
22-11-2019	Till date	Aditya Institute of Technology and Management, Tekkali	Assistant Professor



### **Areas of Interest:**

1. Solar Energy Systems
2. Manufacturing Technology
3. Design Engineering
4. Automobile Engineering
5. Hybrid Vehicle Technology

### **Subjects Taught**

1. Automobile engineering
2. Metallurgy
3. Machine design
4. Workshop technology
5. Manufacturing science
6. Design engineering
7. Automobile domain
8. Production Technology
9. Material science

### **Guidance of Academic Projects:**

- i) Doctoral Projects :-
- ii) Masters Projects : 3
- iii) Bachelor Projects : 12

### **UG level projects:**

- Modelling of buildings of centurion paralkhemundi campus and their 3D Printing
- Reverse Engineering of Connecting Rod using CMM
- Design and Fabrication of Bamboo Bicycle
- Design and Fabrication of Solar Aerator
- Design and Fabrication of Step Climbing Mechanism
- Fabrication of Gravity Power Mechanism
- Design and Fabrication of Motorized Screw Jack
- Fabrication of Go-Kart (Powered By Battery)
- Fabrication of Go-Kart (Powered By fuel)
- Design and Fabrication of All Terrain Vehicle

### **Sponsored Research Projects:**

- Applied a collaborative Research Project Entitled “Design, Development & Productionisation of Electric Vehicle using Cutting Edge Digital Technologies” using 3D-Expereince Software with **GAIL-India Pvt.Ltd as Partner**(2018-2019).
- Completed a project on Design, Development and Fabrication of EBIKE(2017-2018). Sponsored by Centurion University of Technology and Management, Paralkhemundi.

### **Honors and awards received:NIL**

### **Memberships of Professional Societies and Other Organizations:**

1. **Life member**, Indian Society for Technical Education (ISTE)
2. **Life member**, International Association of Engineers(IAENG)

## Other Responsibilities:

1. Departmental SAC Coordinator-ME,AITAM,Tekkali
2. Department Project Coordinator-ME,AITAM,Tekkali
3. SPOC- National Institution start up coordinator,AITAM,Tekkali
4. IIC Member,AITAM,Tekkali

## Details of Book Publications: Nill

## International Journals:

Published a Paper in ***International Journal of Current Engineering & Technology (IJCET) Vol.2, No.1(March 2012) ISSN 2277-4106.***

*Title: "Solar Powered Wheel Chair: Mobility for Physically Challenged"*

Published a Paper in ***International Journal of Scientific & Engineering Research (IJSER) Vol.4,Issue.6 (June 2013) ISSN 2229-5518.***

*Title:"Studies on Characterization and Mechanical Behaviour of Banana peel Reinforced Epoxy Composites"*

Published a Paper in ***International Conference on Biotechnology, Nanotechnology and Environmental Engineering (ICBNE'15)*** at Thailand, Organized by **International Academy Of Arts. Science And Technology,(April 2015)**  
**ISBN978-93-84468-21-7**

*Title:"Production of Biodiesel from Renewable Biological Sources"*

Published a Paper in ***International Journal of Conceptions on Mechanical and Civil Engineering Vol.3, Issue.1, (April 2015) ISSN 2357- 2760.***

*Title:"Development of a Computer Aided Process Planning System by Product Modelling using ST-Developer"*

Published a Paper in ***JASC: Journal of Applied Science and Computations, Volume VI,Issue IV ,(April/2019) ISSN NO:1076-5131.***

*Title : "Design of Knowledge Base for Efficient Solar Tracking"*

Published a Paper in ***International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-6, March 2020***

*Title: " Effect of Sisal Nanoparticles on Single Cylinder Spark Ignition Engine Combustion "*

An article on "*Solar Powered Wheel Chair: Mobility for Physically Challenged*" was published in **Energy Next Magazine**-your Guide to Renewable Energy , a National Magazine supported by **Indian Renewable Energy Development Limited** in **Vol.3, Issue.1, November 2012**

Presented a Paper in **4<sup>th</sup> International Conference on Management Sciences, Engineering and Applications(ICMSEA-2019)** , Organized by **Centurion University of Technology and Management**,Odisha, India at Paralakhemundi campus during **19<sup>th</sup> -21<sup>st</sup> December 2019.**

*Title:"Reduction of Pollution on Engine Exhaust System using Sedimentary Rock"*

Published a Paper in ***Testing Engineering & Management (TEM) Vol.83,Issue:March – April2020, ISSN: 0193-4120 Page No. 17213 - 17219***

*Title:"Reduction of Pollution on Engine Exhaust System using Sedimentary Rock"*

Presented paper in **International Virtual Conference on “Mechatronics, Automation and Cyber Physical Systems” (MAC-2020)**, organized by Centre for Mechatronics and Cyber Physical Systems, School of Mechanical Engineering, VIT, Vellore, Tamil Nadu, India, on 26 and 27th June 2020.

*Title: Simulations and numerical analysis on a e-bike chassis for optimized CAD model*

Presented paper in **International Virtual Conference on “Mechatronics, Automation and Cyber Physical Systems” (MAC-2020)**, organized by Centre for Mechatronics and Cyber Physical Systems, School of Mechanical Engineering, VIT, Vellore, Tamil Nadu, India, on 26 and 27th June 2020.

*Title: Design of Automated Braking System Based On Vehicle over Speed Using PLC Ladder Method and WPL Soft Software*

Published a Paper in **Mukt Shabd Journal Vol.9,Issue:8, August/2020, ISSN: 2347-3150 ,Page No. 412**

*Title: “ Effect Of Equivalence Ratio On Combustion Of Spark Ignition Engine ”*

Published a paper in Journal of Annals of Bioengineering , Ocimum scientific Publishers, 11-2001/BIOE/33513.1, 25<sup>th</sup> December 2020

*Title: Design and analysis of Micro Swimmers with study of Mechanical Investigations Using Helical Spring Models*

Srihari Palli, Raghuv eer Dontikurti, Rakesh Chandmal Sharma, and Neeraj Sharma, “Analysis of Dynamic Response of a Railway Locomotive using ANSYS”, International Journal of Vehicle Structures and Systems, Maftree Publishers, 13(2), pp.250-255, 2021.

### **International Conferences:**

**D.Raghuv eer** , A.Satish kumar ,D.Sreeramulu , 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:**

- Organised AITAM’S Innovation challenge during june-july 2020 (lock down period ) which is open for all states under 3 categories in Aditya Institute of Technology and Management, Tekkali
- Organised a Online one week Faculty Development Program on Advanced Manufacturing Enterprise in Digital Era from 1<sup>st</sup> to 5<sup>th</sup> June 2020 in Aditya Institute of Technology and Management, Tekkali through ZOOM Platform.(320 participants).
- Convenor for Online webinar on Engineering Design Services and Manufacturing Career Opportunities in association with Centre of Excellence in Maritime and Ship Building(CEMS) Visakhapatnam on 13<sup>th</sup> June 2020 in Aditya Institute of Technology and Management, Tekkali through ZOOM Platform.(450 participants).
- Technical Coordinator for “Four-Day International Online Seminar On Post Covid-19 Business Challenges And Opportunities In India” Organized by Department of Masters of Business Administration from 21st to 24th June 2020 in Aditya Institute of Technology and Management, Tekkali
- Organised Aeromodeling Workshop from 25<sup>th</sup> to 27<sup>th</sup> February in Aditya Institute of Technology and Management, Tekkali as part of ASPIRE-2020 in association with INJETO Technologies. 120 Students have participated.

- Acted as Department coordinator for ASPIRE-a techno management fest held in Aditya Institute of Technology and Management, Tekkali
- Workshop conducted on REFRIGERATION AND AIR CONDITIONING in association with National Engineering at Centurion University of technology and management, Parlakhemundi, Odisha , from 16<sup>th</sup> to 18<sup>th</sup> September 2019.
- Convenor for Faculty Development Program On Product Engineering Through Additive Manufacturing, at Centurion University of technology and management, Parlakhemundi, Odisha from 23<sup>rd</sup> sept2019-26<sup>th</sup> sept 2019
- Organised Guest lecture on 3d printing by Dr.Y.Ravi Kumar for 3rd year and 2<sup>nd</sup> year students at Centurion University on 23<sup>rd</sup> Sept 2019
- Co-Convened the Faculty Development Program on SOFT COMPUTING TECHNIQUES in Centurion University of Technology & Management, Paralakhemundi, 12-7-2019
- A facilitator for Contributor program developed by Illumine in Centurion University of Technology & Management, Paralakhemundi from Aug 2017 to November 2018.
- Organized a **National Level Electric Bike Race Challenge-2017 and National level solar car design challenge-2017(school level)** from 28<sup>th</sup> to 30<sup>th</sup> December 2017 in Centurion University of Technology & Management, Paralakhemundi.
- Organized a 7 day internship program automotive workshop in collaboration with Sieger innovations from June 23rd to 28th of 2016 at Centurion University of Technology & Management, Paralakhemundi
- Organized a 3day automotive workshop in collaboration with Mechanizers Auto Corp from Sreenidhi Institute of Science and Technology from March10th to 12th of 2016 at Centurion University of Technology & Management, Paralakhemundi.
- Organized Project Expo on eve of Engineers Day at Centurion University of Technology & Management, Paralakhemundi in 2014.
- Organized Technical Sessions in National Conference on Green Engineering & Technologies **NCGET-2013** at Centurion University of Technology & Management, Paralakhemundi.

#### **Details of Conferences / Workshops / Refresher Courses Attended:**

##### **Internal:**

S. No	Dates	Name of the programme	Host Institute
1.	26 <sup>th</sup> November to 2 <sup>nd</sup> December 2018	Concept of EV Design and development – skill development program by ISIE India	Centurion University of Technology & Management, Paralakhemundi
2	12 <sup>th</sup> July 2019	Soft computing Techniques for design of experiments -FDP	Centurion University of Technology & Management, Paralakhemundi
3	23 <sup>rd</sup> sept2019-26 <sup>th</sup> sept 2019	Product Engineering Through Additive Manufacturing-FDP	Centurion University of Technology &

			Management, Paralakhemundi
4	19 <sup>th</sup> to 23 <sup>rd</sup> November 2019	short term Faculty Development Programme on “Reverse Engineering in Product Manufacturing”	Centurion University of Technology & Management, Paralakhemundi

- Participated in the IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 28th April to 22nd May 2020 during COVID-19 nationwide lockdown.

<b>FOREIGN COUNTRY VISITED</b>
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S. No	Country visited	Title of paper presented	Conference	Dates of visit
<b>1.</b>	<b>Bangkok</b>	Production of Bio-Diesel From Renewable Biological Sources	International Conference on Biotechnology, Nanotechnology and Environmental Engineering	April 22-23,2015

#### Award & Rewards:

➤ **Faculty Advisor for following events:**

- **Participated in Vishnu Gokarting Championship dated 21st to 24th January 2017 held in Shri Vishnu Engineering college for women, Bhimavarm, Andhra Pradesh with a student team of 22 members, Team: Stallions**
- **Participated in Sieger Pro-Karting Championship dated 13th to 17th February 2018 held in Aditya Engineering College, Surampalem , Andhra Pradesh with a student team of 25 members ,Team: Stallions**
- Got Best Innovation Award for participation in International Go-Karting Championship dated 23rd to 26th March 2018 held at Lovely Professional University - Punjab **with a Girl student team of 18 members**, Team: Tuskers stood in 9th position in overall 49 teams
- **Got** Endurance Winner, Best Autocross Winner, Best Design Awards in Electric Bike Race Challenge-2017, dated 28th to 30th December 2017 held in centurion university of technology and management, Parlakhemundi, Odisha with a **student team of 22 members, Team: Stallions**
- **Got** Overall runner up Award in Electric Bike Race Challenge-2019, dated 21st to 24th January 2019 held in SRM university, Chennai with a **student team of 18 members, Team: Stallions**
- **Got** Overall runner up Award and best driver award in Asian E-Bike Race Challenge-2019, dated March 1st to 4th 2019 held in Aditya Institute of Technology and Management, Tekkali with a **student team of 15 members, Team: Stallions**

- Received *Academic Performance Incentive* for the year in department of mechanical of engineering at centurion university of technology and management, Parlakhemundi, Odisha.

#### Other Achievements:

1. **Acted as a Resource person Orientation Program For The Inspire Awardee Teachers** organized under **Innovation In Science Pursuit For Inspired Research** by Society of Educational Research &Technology(SERT) at District level in Srikakulam(2017)

2. Acted as a Jury Member in Inspire District Level Science Exhibition & Project competition at RCM St. Anthony EM school, Tekkali, Srikakulam district on 26th September 2015.



**Signature**