

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
PhD	Pursuing in Centurion University of Technology and Management, odisha		

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

Period		Organization/Institution	Designation
1 st August 2013	21 st 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
10. Design Thinking

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.
- Program Coordinator for One week DST Sponsored ,STUTI Training Program-2021 In collaboration with GITAM University from July 11th to 17th 2022.
- Got Funding of 1 Lakh and Executed the AICTE Funded Project under SPICES Scheme as co- Coordinator(10-147/AICTE/IDC/SPICES/2020-21_Dt:5-3-2021)

Honors and awards received:NIL

MEMBERSHIPS:

- Life membership in Indian Society For Technical Education and International Association of Engineers (IAENG)
- Professional Member (Faculty Advisor) for SAE-India collegiate club in AITAM-Tekkali

- Life membership Indian Society for Technical Education (ISTE)
- NISP COORDINATOR_MHRD-IIC
- Institution IIC Member

Other Responsibilities:

- SAC Coordinator and IIC Coordinator in Aditya Institute of Technology and Management, Tekkali
- Member of Board of Studies at **Centurion University of Technology and Management**, Odisha
- Acted as Ananthapur Hub Manager for APSSDC-DASSAULT Centre of Excellence project(2018- 2019)
- Academic Administration for Go to Market initiative project in Centurion University of Technology and Management(2018-2019)
- Mentor for Injeto Technologies-Zeal to Achieve a Technical start up Initiative from Rajahmundry
- Framed IIC and NISP Policy Document in AITAM, Tekkali

Details of Book Publications: Nill

Patents Published:

- PATENT APPLICATION PUBLICATION; Title of the invention : FLEXURE E-SCOOTER; Date of filing of Application :07/08/2020; Application No.202041034023 A in Indian PATENT
- PATENT APPLICATION PUBLICATION; Title of the invention : PORTABLE PASTE MAKING MACHINE FOR HERBAL INGREDIENTS; Date of filing of Application :11/12/2020; Application No. 202031048636 in Indian PATENT
- PATENT APPLICATION PUBLICATION; Title of the invention :MAGNETIC ACTUATED MICRO-SWIMMER TESTING APPARATUS FOR PERFROMANCE ENHANCEMENT IN NEWTANIAN AND NON-NEWTANIAN FLUIDS; Date of filing of Application :17/06/2022; Application No. 202241032934 A in Indian PATENT

International Journals:

- Published a Paper in ***International Journal of Current Engineering & Technology (IJ CET)* 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 **4th International Conference on Management Sciences, Engineering and Applications(ICMSEA-2019)** , Organized by **Centurion University of Technology and Management**, Odisha, India at Paralakhemundi campus during **19th - 21st 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 – April 2020, 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, 25th December 2020**

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

- Published a paper in **International Journal of Vehicle Structures and Systems, Maftree Publishers, 13(2), pp.250-255, 2021**

Title “Analysis of Dynamic Response of a Railway Locomotive using ANSYS”

- Published a paper in **Journal of Multidisciplinary Engineering Science Studies (JMESS)**

ISSN: 2458-925X , Vol. 7 Issue 4, April – 2021

Title “Design and Analysis of Seat Valence using 3D Experience”

- Published a paper in **International Journal of Creative Research Thoughts (IJCRT)** Volume 9, Issue 6 June 2021, ISSN: 2320-2882
Title “*Design And Analysis Of Carbon-Ceramic Disc Plates For Motorcycles*”
- Published a paper in **LINO Journal** , ISSN – 0211-2574.
Title: “*Design of Aircraft Seat And Seating Layout For Passenger’s Aircraft*”
- Published a paper in **International Journal Of Multidisciplinary Education Research (IJMER)**, ISSN:2277-7881; Peer Reviewed and Refereed Journal: **VOLUME:10, ISSUE:4(7), April :2021**
Title: “*Multi – Material Layout for Body - In White Using Design of Experiments*”
- Published a paper in **Journal of Bioscience and Biomedical Engineering, Volume 2, Issue 4, 2021.**
Title: “*Design and Analysis of Mechanical Microswimmers,*”
- Published a paper in **International Journal on Robotics Engineering, Volume 6, Issue 1, 2021.**
Title: “*Optimal Design of Biped Amble Mechanism using MATLAB*”

International Conferences:

D.Raghuveer , 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 1st to 5th 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 13th 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 25th to 27th 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 16th to 18th September 2019.
- Convenor for Faculty Development Program On Product Engineering Through Additive Manufacturing, at Centurion University of technology and management, Parlakhemundi, Odisha from 23rd sept2019-26th sept 2019
- Organised Guest lecture on 3d printing by Dr.Y.Ravi Kumar for 3rd year and 2nd year

students at Centurion University on 23rd 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 28th to 30th 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 March 10th 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 th November to 2 nd December 2018	Concept of EV Design and development – skill development program by ISIE India	Centurion University of Technology & Management, Paralakhemundi
2	12 th July 2019	Soft computing Techniques for design of experiments -FDP	Centurion University of Technology & Management, Paralakhemundi
3	23 rd sept 2019- 26 th sept 2019	Product Engineering Through Additive Manufacturing-FDP	Centurion University of Technology &

			Management, Paralakhemundi
4	19 th to 23 rd 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.

FOREIGN COUNTRY VISITED

S. No	Country visited	Title of paper presented	Conference	Dates of visit
1.	Bangkok	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, Paralakhemundi, 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, Paralakhemundi, 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.**
 - Best poster for the -IIC VSKP
 - 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.
 - Acted as Resource person for Skill development workshop on Design and Fabrication of Electric Gokart held in Lendi Engineering college, Vijayanagaram from 23rd to 28th December 2019, In association with Injeto Technologies.
 - Faculty Advisor for following events:
 - Participated in Vishnu Gokarting Championship dated 26th to 30th January 2017 held in Shri Vishnu Engineering college for women, Bhimavaram, 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
 - Got Overall 2nd prize and Best Innovation award in Stepcone Gokarting Championship Event held in GMRIT, Rajam, technical partnered by Injeto Technologies from 31st January to 2nd February 2020. Team: Spartans 3.0 from AITAM, Tekkali
 - Acted as a Jury Member in INSPIRE MANAK Awards-2023 District Level Science Exhibition & Project competition held at AITAM, DLEPC
 - Acted as a Jury Member in INSPIRE MANAK Awards-2020 District Level Science Exhibition & Project competition held at Navodaya EM school, Palakonda, Srikakulam district from 3rd to 5th February 2020.
 - Acted as a Resource person in **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)
 - Acted as a Jury Member in District level 24th National Children's Congress 2016 with

Science, Technology & Innovation for sustainable development as theme ,organised on 30th November at Z.P.High School, singupuram, Srikakulam District.

- Acted as a Jury Member in District level, 25th National Children's Congress 2017 with Science, Technology & Innovation for sustainable development as theme ,organised on 25th November 2017 at Govt.High School, Srikakulam.
- 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.

Acted as a Jury Member in Inspire(Innovation in Science Pursuit for Inspired Research)District Level Science Exhibition& Project competition at St.Clarets EM school, Narasannapeta, Srikakulam district on 6th to 8th November 2016



Signature