

BIO-DATA

Kottedda Tarun Kumar M.Tech., (Ph.D.),
Assistant Professor,
Department of Mechanical Engineering,
S. R. K. R Engineering College,
Bhimavaram-534204,
Andhra Pradesh, India



1. Name : KOTTEDA TARUN KUMAR
2. Date of Birth, Age and Place of Birth: : 08-03-1996, 26 years, Bobbili
3. Address for Communication : House No.301, Street No.400, Sivaraopeta (SRP),
Bhimavaram, West Godavari District-534202, A.P.
4. Permanent Address : Door No.31-31, Aguru Street, Bobbili,
Vizianagaram District-535558, A.P.
5. Mobile No : +91 8333830885, +91 9154566214
6. Email-ID : ktkumar096@gmail.com, tarun_k@srkrec.ac.in
7. Educational Qualifications :

Qualification	University/Board	Name of the College	Specialization	Year of Passing	Division/Class	% of Marks
X Class	SSC	A.P Residential School, Bobbili	-----	2012	First Class	95
Intermediate	Board of Intermediate Education, AP	Narayana Jr. College, Visakhapatnam	M.P.C	2014	First Class	97.3
UG (B.Tech.)	Andhra University	S.R.K.R. Engineering College, Bhimavaram	Mechanical Engineering	2018	First Class with Distinction	82.3
PG (M.Tech.)	JNTU Kakinada	BVC Engineering College, Odalarevu	Thermal Engineering	2020	First Class with Distinction	91.0
Ph.D.	Dr B R Ambedkar National Institute of Technology (NIT), Jalandhar	Dr B R Ambedkar National Institute of Technology (NIT), Jalandhar	Mechanical Engineering	Pursuing		

8. Project/Thesis:

UG: Solar Powered Multi Purpose Cultivation System for Modernized Farming in Agriculture.

PG: Performance and Emission analysis of a CI Engine fueled by Diesel-Pongamia Pinnata and Rapeseed oil Methyl Ester blends with n-Butanol additive using Artificial Intelligence.

9. Teaching /Industry Experience:

S No	Designation	Organization	Period		Total Exp. Years and Months	Nature of Employment	Type of service Govt. Aided/ Un Aided/ Private/ recognized
			From	To			
1	Teaching Assistant	S.R.K.R. Engineering College, Bhimavaram	July 17, 2018	Dec 31, 2020	2 Years 6 Months	Full Time	Private
2	Assistant Professor	S.R.K.R. Engineering College, Bhimavaram	Jan 1, 2021	till now	1 Year 3 Months	Full Time	Private

10. Total Experience:

Teaching: **3 Years 9 Months**

11. Research Experience:

(a) Research Papers Published in Journals

S No	Author (s) Name	Title of the Research Paper	National/ International	Year of Publication	Name of the Journal	Vol.	Issue No	Pages (PP)
1	Rama Bhadri Raju Chekuri, D. Eshwar, Tarun Kumar Kottedda , R S Srikanth Varma	Experimental and Thermal Investigation on Die sinking EDM using FEM and Multi-objective Optimization using WOA-CS	International (SCI & Scopus) Impact Factor = 5.35	December, 2021	Sustainable Energy Technologies and Assessments (Elsevier Publications)	N/A	N/A	N/A
2	Ravi Varma Penmetsa, Tarun Kumar Kottedda , R. S. S. Varma, Rama Bhadri Raju Chekuri,	Experimental Investigation towards realizing the optimum performance Control Parameters in Wire Cut EDM by	International (Scopus)	Accepted on Dec 14 th , 2021	ECS Transactions	-	-	-

	K. Sunil Kumar	Taguchi and ANOVA						
3	R. Yesu Prasad, G.S.V. Seshu kumar, M. Rajesh, Tarun Kumar Kottedda	Joining of Nylon-6 Plate by Friction Stir Welding process using Taper threaded pin profile	International (UGC Care List)	October, 2021	Journal of Engineering Sciences	12	10	210-219
4	Saripalli Sahitya, M. Vijay Daniel, Rajesh Mudunuri, Tarun Kumar Kottedda	Modeling and Analysis of Artificial Femur Head on Hip Joint Prosthesis	International (UGC Care List)	September, 2021	Journal of Resource Management and Technology	12	4	667-676
5	Tarun Kumar Kottedda , Rama Bhadri Raju Chekuri, B. Naga Raju, Prasada Raju Kantheti, S. Balakumar	Analysis on Emissions and Performance of Ceramic Coated Diesel Engine Fueled with Novel Blends using Artificial Intelligence	International (SCI & Scopus) Impact Factor = 1.7	July, 2021	Advances in Materials Science and Engineering (Hindawi Publications)	2021	1	1-13
6	Ravada Sai Surya Chaitanya, Prasada Raju Kantheti, Tarun Kumar Kottedda , Kuchampudi Sandeep Varma	Influence of Welding Parameters on the Mechanical Properties of similar AA6063 Friction Stir Welds	International (UGC Care List)	April, 2021	Open Access International Journal of Science & Technology	6	4	1-10
7	K. Lakshmi Prasad, G.H. Tammi Raju, M.N.V.S.A. Siva Ram Kotha, N. Harsha, Tarun Kumar Kottedda	The Development of Characterization of Silicon Carbide Reinforced Aluminium Alloy Lm 12 Metal Matrix Composite	International (UGC Care List)	February, 2021	International Journal for Research in Engineering Application & Management	6	11	203-207
8	K. Siddartha Varma, U.R. Prasad Varma, Rama Bhadri Raju Chekuri, Tarun Kumar Kottedda , Rajesh Mudunuri	Experimental Investigation and Optimization of Surface Grinding on EN31AM Steel using Taguchi and ANN	International (Scopus)	January, 2021	Materials Today Proceedings (Elsevier Publications)	-	-	-

9	K. Tarun kumar, A.S.V. Prasad, K. Brahma Raju	Experimental Investigation on the Performance and Emissions of a CI Engine tested with the blends of Diesel-Rapeseed Methyl Esters and n-Butanol as an Additive	International (Scopus)	2020	International Journal of Advanced Science and Technology	29	105	8417-8427
10	S. Madhavarao, Ravi Varma P, G.S.V. Seshu Kumar, Ch. Rama Bhadri Raju, K. Tarun Kumar	Investigation on Mechanical Properties of Friction Stir Welded Aa7075 & Aa6061 Joints	International (Scopus)	2019	Materials Today Proceedings (Elsevier Publications)	18	7	2288-2297

(b) Research Papers Published in Conferences

S No	Author (s) Name	Title of the Research Paper	International / National	Year of Publication	Name of the Conference	Pages (PP)
1	M S S Kiran Varma, Rama Bhadri Raju Chekuri, Tarun Kumar Kotteda, G. Hema T. Raju, B Durga Prasad	Machining Parameter Optimization for Face Milling Operating in A Vertical CNC Milling Machine using Taguchi Design Approach	International	2021	ICAMS-2021	--
2	Javvadi Eswara Manikanta, B. Naga Raju, B.S.S. Phanisankar, M. Rajesh, Tarun Kumar Kotteda	Nanoparticle Enriched Cutting fluids in Metal Cutting operations: A Review	International	2021	CAMSE-2021	--
3	J. Eswara Manikanta, Sheik Salman Basha, Nukathoti Rajasekhar, Tarun Kumar Kotteda	Investigation of Mechanical and Machining Characteristics of Bagasse Ash Reinforced Aluminium Composites	International	2021	ICETEM-2020	--
4	K. Tarun kumar, A.S.V. Prasad, K. Sita Rama Raju, K. Brahma Raju	Comparative analysis on the Performance and Emission Characteristics of a CI Engine fueled with Diesel-Pongamia Pinnata and Rapeseed oil Methyl Esters-n-Butanol blends by using Artificial Intelligence Technique	International	2020	ICGEES-2020	--

5	S. Madhavarao, Ravi Varma P, G.S.V. Seshu Kumar, Ch. Rama Bhadri Raju, K. Tarun Kumar	Investigation on Mechanical Properties of Friction Stir Welded Aa7075 & Aa6061 Joints	International	2019	ICMPC- 2019	--
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(c) Patents published

S No	Author (s) Name	Title of the Patent	International / National	Year of Publication	Application No
1	Rama Bhadri Raju Chekuri, K. Rama Kotaiah, D. Eshwar, R.S.S Varma, K. Sandeep Varma, K. Sunil Kumar, K Prasada Raju, Tarun Kumar Kottedda	Design and Manufacturing of Spur Gear using 3D Printing	National	2022	202241010151

(d) Workshops/STTP Attended

S No	Name of the workshop/ STTP	Place	Period	
			From	To
1	FEM and Modal Analysis in Engineering	Dr. B R Ambedkar National Institute of Technology (NIT), Jalandhar	11 th March, 2022	15 th March, 2022
2	ATAL FDP on Smart Manufacturing (Hands on Experience)	College of Engineering Pune (COEP), Pune	2 nd March, 2022	8 th March, 2022
3	Trends and Challenges in Advanced VLSI System Design	S.R.K.R. Engineering College, Bhimavaram	21 st Feb, 2022	26 th Feb, 2022
4	Machine Learning in Engineering	NITTTR, Kolkata	17 th Jan, 2022	21 st Jan, 2022
5	Modern Industrial Technology in Mechanical Engineering	Aditya Engineering College, Surampalem	2 nd July, 2021	8 th July, 2021
6	Applications of Mechanical Engineering	SVR Engineering College, Nandyala	9 th June, 2021	14 th June, 2021
7	Recent Innovations in Design & Manufacturing	Malla Reddy Engineering College, Hyderabad	24 th May, 2021	29 th May, 2021
8	Outcome Based Education and NBA Accrediation for TIER-II colleges	S.R.K.R. Engineering College, Bhimavaram	29 th March, 2021	3 rd April, 2021
9	Strategic Methods and Tools for Product Development	S.R.K.R. Engineering College, Bhimavaram	22 nd March, 2021	26 th March, 2021
10	Strategic Methods and Tools for Product Development	S.R.K.R. Engineering College, Bhimavaram	22 nd Feb, 2021	26 th Feb, 2021
11	Recent Advances in Renewable Energy	BVC Engineering College, Odalarevu	24 th August, 2020	28 th August, 2020

12	Nanoscience and Nanotechnology-Current Perspectives	G. H. Rasoni College of Engineering, Nagpur	27 th July, 2020	1 st August, 2020
13	Contemporary Issues of Biodiesels and Applications	St. Ann's College of Engineering and Technology, Chirala	6 th July, 2020	10 th July, 2020
14	A Hands-on practice of Software Tools in Mechanical Engineering	Vaageswari College of Engineering, Karimnagar	29 th June, 2020	4 th July, 2020
15	Recent Trends in Mechanical Engineering	PVKK Institute of Technology	13 th June, 2020	17 th June, 2020
16	Skill Development for Effective Research and Teaching-Learning Process	ANITS, Visakhapatnam	8 th June, 2020	12 th June, 2020
17	Advanced Manufacturing Enterprise in Digital Era	Aditya Institute of Technology & Management, Tekkali	1 st June, 2020	5 th June, 2020
18	Research Methodology	S.R.K.R. Engineering College, Bhimavaram	8 th July, 2019	12 th July, 2019
19	One day workshop on "Innovations in Materials and Manufacturing"	S.R.K.R. Engineering College, Bhimavaram	1 st March, 2019	--
20	Two-day workshop on "Additive Manufacturing"	S.R.K.R. Engineering College, Bhimavaram	13 th July, 2018	14 th July, 2018

(e) Awards Received

S No	Description
1	Received Gold Medal from NDRF, Institution of Engineers-India for the research funding project "SOLAR POWERED MULTI-PURPOSE CULTIVATION SYSTEM".
2	Received Central Sector Scheme of Scholarship in graduation from Central government of India.
3	Received INSPIRE Award (Innovation in Science Pursuit for Inspired Research Award) from State Government of Andhra Pradesh.

12. Other Certification Courses Completed:

S No	Area of Specialization	Certification	Course type
1	Artificial Intelligence for everyone	deeplearning.ai (Stanford University)	Coursera Online

13. Strengths:

- Hard work
- Workaholic
- Adaptable to any environment

14. Other Details if any:

- Rendered my duties as Deputy Warden for SRKREC Association Boys Hostel.
- Acting as Department Coordinator for IDEA Lab of SRKR Engineering College.
- Attended AICTE Advanced IDEA Lab training in Pune from 2nd March to 8th March, 2022.
- NCC - 'A' Certificate holder from 13(A) Bn NCC, Visakhapatnam.

➤ Member in Institution of Engineers, INDIA.

15. Personal Details:

- (a) Name of the Father : K. Gowrisankara Rao
(b) Name of the Mother : K. Lakshmi
(c) Gender : Male
(d) Marital Status : Single
(e) Nationality : Indian

Date: 21-03-2022

Place: Bhimavaram

Signature of the Candidate

(K. Tarun Kumar)