

National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

Curriculum Vitae



I, Dr. Nanda Naik Korra was born on 1st January 1978 at Warangal, Andhra Pradesh, India. I graduated in Mechanical Engineering from Osmania University, in the year of 2000 and obtained my Masters Degree in Design and Production of Machine Tools from National Institute of Technology Warangal, in the year 2003.

I joined as a Mechanical Engineer at Lamtuf Plastics Manufacturing Industry, Hyderabad in the year 2003 later i joined as Assistant Professor in Jatipita College of Engineering, Adilabad in the year 2006 later and i joined as Assistant Professor in Noor College of Engineering & Technology in the year 2007 later. I joined as Assistant Professor in Mechanical Engineering Department, NIT Trichy in the year 2008 and obtained PhD degree in the year 2016. I have published 8 papers in International/National Journals and Conferences. My area of interest includes, manufacturing and welding.

1. Name **Dr. NANDA NAIK KORRA**
2. Designation: Assistant Professor
3. Office Address: Mechanical Engineering
Department, NIT-Trichy-15
4. Telephone (Direct) (Optional):
Telephone :04312503424 Extn (Optional):
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5. Email (Primary): naik@nitt.edu Email (Secondary):
nandanaikk2014@gmail.com
6. Field(s) of Specialization: Design&Manufacturing
7. Employment Profile

Job Title	Employer	From	To
Jr. Mechanical Engineer (Production&Planning)	Lamtuf Plastics Ltd. Hydrabad	9/9/2003	4/7/2006
Assistant Professor	Jatipita College of Engineering Adilabad(dist.), Andhra Pradesh-504 002	19/07/2006	31/12/2006
Assistant Professor	Noor College of Engineering & Technology, Shad nagar, Mahaboob nagar Dist.-509216, Andhra Pradesh	01/01/2007	24/07/2008
Assistant Professor	NIT-Trichy-620 015.	28/07/2008	Till Date

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8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	NIT-Trichy	2016		A-TIG Welding
M.Tech.	NIT-Warangal	2003	1st	Design & Production Engineering. (Machine tools)
BE	Osmania/M.V.S.R.E.C.	2000	1st	Mechanical Engineering
Intermediate	Board of Intermediate Education	1995	2 nd	Mathematics, Physics and Chemistry
SSC	Board of Secondary Education	1993	1st	Telugu, English, Hindi, Mathematics, General science, social studies

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
In charge of Mechanical Engineering Association (MEA)	Mechanical Engineering	12/10/2010	9/04/2013
Faculty Adviser	Mechanical Engineering	15/8/2009	Till date
Subject Co-coordinator for the course of BEII102-Basic Mechanical engineering (2011-12)	Mechanical Engineering (BEII102-Basic Mechanical Engineering)	5/01/2011	19/5/2012
Performance Analysis Committee (PAC) and Class Committee	Mechanical Engineering Department (M.Tech)	10/1/2012	14/5/2012
Performance Analysis Committee (PAC) and Class Committee	Mechanical Engineering Department (M.Tech)	15/8/2014	19/12/2015

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10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)

13. Details of Academic Work

- (i) Curriculum Development
- (ii) Courses taught at Postgraduate and Undergraduate levels

Sl.No.	Courses	Postgraduate (PG)	Undergraduate (UG)
1	ME297 Mechanical Technology		UG
2	BEII102 Basic Mechanical Engineering		UG
3	ME405 Metrology and Quality Control		UG
4	ME403 Power Plant Engineering		UG
5	ME676 Safety in Material Handling	PG	
6	ME567 Safety in Engineering Industry	PG	
7	ME409 Metrology Laboratory		UG
8	ME314 Automobile Engineering Laboratory		UG
9	MP101 Engineering Graphics		UG
10	ME307 Analysis and Design of Machine Components		UG
11	ME205 Machine Drawing (Practical course)		UG
12	MEPC 15 Production Technology-1		UG
13	MEIRIR 11 Basic Mechanical Engineering		UG

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(iii) Projects guided at Postgraduate level

Sl.No.	Projects guided at Postgraduate level
1	Serial arc detection in low voltage electrical system by current waveform analysis
2	Investigation of work-related disorders in forklift operators using rapid upper limb assessment (RULA) tool at BHEL Trichy
3	Comparison of steel strength with and without fire proofing
4	CFD analysis of heat transfer and fluid flow in TIG welding of duplex stainless 2205 alloy
5	Study of posture and discomfort in manufacturing industries
6	Viscose/wool based fire blocking inter-liners for upholstery furnitures
7	Experimental study on welding fume formation rate in TIG welding process

(iv) Other contribution(s)

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award

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16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
20/11/2008	Awareness Programme on Intellectual Property Rights”	National	Participant	NIT-Trichy	NIT-Trichy
14/6/2011 to 24/6/2011	Two weeks “ISTE WORKSHOP” on “Thermodynamics in Mechanical Engineering”, conducted	workshop was held under the national mission on education through ICT(MHRD)	Participant	Indian Institute of Technology Bombay	NIT-Trichy
29/11/2011 to 10/12/2011	Two weeks “ISTE WORKSHOP” on “Heat Transfer” conducted	National	Participant	Indian Institute Of Technology Bombay	NIT-Trichy
16/9/2011 to 18/9/2011	International Conference on Manufacturing Science and Technology (ICMST)	International	Paper presenter	International Association of Computer Science and Information Technology (IACSIT	Singapore
26/11/2013 to 6/12/2013	Engineering Mechanics	National	Participant	Indian Institute Of Technology Bombay	NIT-Trichy
9/1/2014 to 10/1/2014	Applications of CFD in heat transfer and fluid flow	International	Participant	Department of Mechanical Engineering, NIT-Trichy	NIT-Trichy
13/6/2014 to	International Mechanical	International	Paper	Department of	NIT-Trichy

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15/6/2014	Engineering congress		presenter	Mechanical Engineering, NIT-Trichy	
13/6/2014 to 15/6/2014	International Mechanical Engineering congress	International	Chairperson	Department of Mechanical Engineering, NIT-Trichy	NIT-Trichy
9/4/2014 to 11/4/2014	International welding congress, 2014 of the international institute of welding	International	Paper presenter	The Indian institute of welding	Pragati maidan, New Delhi, India

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue

18. Invited Talks delivered

Topic	Date	Inviting Organization

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life Member	The Indian Society for Technical Education (ISTE)	LM 80443 19/12/2011
Life Member	Indian Welding Society	L 01200 10/5/2012
Life Member	International Association of Computer Science and Information Technology (IACSIT)	80342924 10/12/2012

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20. Academic Foreign Visits

Country	Duration of Visit	Programme

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Nanda Naik Korra, K.R. Balasubramanian	Parametric Optimization of TIG Welding on 316L Austenitic Stainless Steel by Grey-Based Taguchi Method	Advanced Materials Research	Vols. 383-390	4667-4671	2012	
KR Balasubramanian, SP Sivapirakasham, Nanda Naik Korra, K Kumar Dhruw	Study of Posture and Discomfort in Handling Machines in Manufacturing Industry	Applied Mechanics and Materials	592-594	374-379	2014	
K. Nanda Naik, K. R. Balasubramanian, M. Vasudevan	Finite element simulation of A-TIG welding of duplex stainless steel 2205 using SYSWELD	Applied Mechanics and Materials	592-594	2552-2556	2014	
Nanda Naik Korra, M	Multi-objective	The International	77 (1-4)	67-81	2015	1.568

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Vasudevan, KR Balasubramanian	optimization of activated tungsten inert gas welding of duplex stainless steel using response surface methodology	Journal of Advanced Manufacturing Technology				
Nanda Naik Korra, K. R. Balasubramanian and M. Vasudevan,	Optimization of activated tungsten inert gas welding of super duplex alloy 2507 based on experimental results	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	Vol. 229 (8)	1407-1417	2015	0.978
Nanda Naik Korra, M. Vasudevan and K. R. Balasubramanian,	Optimization of A-TIG welding of Duplex Stainless Steel Alloy 2205 based on Response Surface Methodology and Experimental Validation	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	Vol. 230 (4)	837-846	2016	0.793

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Nanda Naik Korra, K.R. Balasubramanian	Parametric Optimization of TIG Welding on 316L Austenitic Stainless Steel by Grey-Based	Parametric Optimization of TIG Welding on 316L Austenitic Stainless Steel by Grey-Based	4667-4671	International Conference on Manufacturing Science and Technology, 2011(ICMST 2011),	Singapore	2011

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	Taguchi Method	Taguchi Method				
Nanda Naik Korra, M. Vasudevan, and K. R. Balasubramanian,	Optimization of A-TIG welding of duplex stainless steel alloy 2205 by response surface methodology. Delhi, India.	International Institute of Welding – International Welding Congress 2014	504-510	International Institute of Welding – International Welding Congress 2014 (IC 2014)	New Delhi, India	2014

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number