

PROFILE

Name : Dr. D.Ravikanth.
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Educational Qualifications :

Name of the degree	Specialization	Name of the College and University	Year of passing	Class obtained
Ph.D	Mechanical Engineering (Industrial Engineering) Topic: Decision support system in a thermal power station – An investigative study on conceptualization and development of a model for effective executive decision making.	JNTU, Anantapur.	2012	
M.Tech.	Mechanical Engineering (Thermal engineering, R& A/C)	C I Technology, ciombatore Bharatiyar university ,ciombatore	1998	First Class
B.Tech.	Mechanical Engineering	S .L. N Engineering college Raichur Gulbarga university	1994	First class

Experience:

S.No.	Name of the Institution	Designation	Period
1	INNOVATIVE quenches India pvt ltd.,(Research lab) peenia-II Bangalore	Graduate engineering trainee.	1994-1995 (6 months only)
2	K.S.R.M College of Engineering, Kadapa	Assistant professor(adhoc)	1998jan-1998 jun
3	K.S.R.M College of Engineering, Kadapa	Assistant professor	1998 August- 2010
4	K.S.R.M College of Engineering, Kadapa	Associate Professor	August-2010 to till date

Area of Interest:

1. Operations Research
2. Optimization techniques.
3. Decision Support Systems
4. Manufacturing processes.
5. Thermal engineering.
6. Engineering Drawing.

Subjects Taught:

Degree	Branch	Subjects
B.Tech.	Mechanical	Operation Research, Thermodynamics, machine drawing, production Engineering, Advanced welding and Foundry Technologies, Engineering drawing, Refrigeration and air conditioning,
	Computer science and IT	Computer oriented quantitative techniques, simulation and modeling , elements of mechanical engineering.
	Electrical Engineering	Optimization techniques
.	Civil engineering	Elements of mechanical engineering and Earth moving equipments.

Projects Guided:

Name of the degree	Total Number of students
P.hd	Under Guidance(1)
M.Tech.	5
B.Tech.	20

Research Papers published

Sl No	Title of the paper	Name of the conference	National/ international	Address of ORGANIZATION	Date	Page nos in proceedings
1	Laminar forced flow along a flat plate neglecting viscous dissipation	MINAC 2001	National	JNTU Anantapur	18 th oct 2001	140
2	Design of standalone photo voltaic system for rural hospital	MINAC 2001	National	JNTU Anantapur	18 th oct 2001	162
3	Design of curricula for undergraduate academic program	Renewable Energy sources and other technologies for rural development	National	Sri Sant Gajanan Maharaj college of Engg, Shegan (MS)	9-10 mar 2002	185
4	A view of mechatronics applications in robotics and computer aided system	A national Seminar on recent trends in industrial and production engineering	National	GPR college of engineering, kurnool	9 th dec 2002	165-171
5	MIS a vital resource for	A national Seminar on	National	GPR college of engineering,	9 th dec 2002	95-102

	CIM	recent trends in industrial and production engineering		kurnool		
6	OR modeling applications in manufacturing and service organizations- A review	MINAC 2002	National	JNTU Anantapur	21 th Dec2002	87
7	Applications of simulation in manufacturing and material handling system design and optimization	MINAC 2002	National	JNTU Anantapur	21 th Dec2002	92
8	Design and development of decision support system for materials management department in a basic supply chain oriented environment- A case study in spinning mill	2 nd INTERNATIONAL Conference on logistics and supply chain management (ILSCM 2004)	International	PSG college of Technology Coimbatore and Central Michigan University, USA	2004	85
9	A study on decision support system in a thermal power station	Computer applications in mechanical engineering, CAME-2005	National	JNTU Anantapur- 515002	2005	146

Summer/ Winter School/ Workshops Attended

Sl No	Title	Duration	Address of Organization	National/ International
1	Teaching program for young faculty of Engineering college	25 th Dec 2000 -15 th Jan 2001	Osmania college of Engineering, Osmania University, Hyd	National
2	Cryogenic technology for metal treatment	28 th may- 9 th jun 2001	PSG college of technology, Coimbatore	National
3	Recent trends in Production and Industrial Engineering	9 th – 10 th Dec 2002	GPREC, Kurnool	National
4	Advances in mechanical engineering, MINAC 2002	21 st -22 nd Dec 2002	JNTU Anapatur	National
5	Recent trends in mechanical engineering, ZEITGEIST	7 th – 8 th Jan 2004	KSRM college of engineering, kadapa	National
6	Computer applications in mechanical engineering, CAME 2005	21 st – 22 nd Dec 2005	JNTU college of engineering, Anapatur	National
7	International conference and XX National conference on IC engines and combustion, ICONICE-2007	Dec 6-9, 2007	JNTU college of engineering, kukatpally, Hyd-5000085	International
8	Computer applications in Mechanical and ic engines.	June 2009	NBKR institute of technology ,vidyanagar,vakadu, NELLORE.	NATIONAL.
9	Recent advances in Automation, Production systems & CIM	2010	National level workshop on, KSRMCE, Kadapa	National

Papers Published In Journals:

S.NO	TITLE OF THE PAPER	NAME OF THE JOURNAL	NATIONAL / INTERNATIONAL	ADDRESS OF ORGANIZERS	PERIOD	PAGE NO. IN PROCEEDINGS
1	A Study on Maintenance Management information system in a thermal power station	Industrial Engineering	National	National Institute of Industrial Engineering Vihar Lake – Mumbai	Dec - 2004	78
2	An Expert System for Decision Support for Fault Diagnosis in the Turbine Section of Thermal Power Plant.	MT & M Journal	National	Manufacturing and Technology and Management (MT & M) , Indian Institute of Production Engineers(IIPE) Banglore	June – 2007	18 to 23
3	A Case Study On Decision Support System for Cost Analysis In a Thermal Power Plant	Industrial Engineering	National	National Institute of Industrial Engineering Vihar Lake – Mumbai	Vol.1 Issue 5 November 2008	19 to 24
4	Injection Moulding Tool Design Manufacturing, Estimation and Comparison of L & T Power Box Side Panel Using Plastic Materials HDPE, ABS, PP and PC	IOSR Journal of Civil & Mechanical Engineering	International	IOSR Journal of Civil & Mechanical Engineering e- ISSN:2278-16684 www.iosrjournals.org	Vol.8 Issue 3 Sep – Oct 2013	23 to 32
5	Design and Analysis of Canister	Reseach Journal of Engineering	International	An International Journal of Engineering	Vol.7 Issue 1, Jan - Mar 2014	15 to 18

	Testing Chamber	and Technology		Sciences and Technologies Vidyut Nagar Plot No:22 Ananthapur – India www.stfindia.com		
6	Impact Strength Analysis of Passenger Seat during Crash by Using Hyper Works	International Journal of Research(IJR)	International	International Journal of Research(IJR) e-ISSn:2348-6848, p-ISSN: 2348-795x http://internationaljournalofresearch.org	Vol.2 Issue 10, October 2015	1084 - 1088
7	Fabrication of a model GO-KART with Low Cost	IOSR Journal of Civil & Mechanical Engineering	International	IOSR Journal of Civil & Mechanical Engineering e-ISSN:2278-1684 www.iosrjournals.org	Vol.12 Issue 6 Sep – Oct 2013	24 to 30
8	FINITE ELEMENT ANALYSIS OF SILO SURFACE CLEANING ROBOT	IJSETR	IJSETR, International	International Journal of Research(IJsetr)	JUNE-2017	VOL-6 ISSUE-22 4249 -4252
9	A PAPER ENTITLED “MATERIAL AND COST ANALYSIS OF SILO SURFACE CLANING ROBOT	IJSETR	IJSETR, International	International Journal of Research(IJsetr)	JULY-2017	VOL-05 ISSUE.07 PG.1366-1369

ACTIVITIES PERFORMED

- ❖ Coordinator for IQAC
- ❖ Coordinator for NAAC
- ❖ Warden for Hostel Ganesh
- ❖ Departmental coordinator for NBA
- ❖ Lab in charge for Production Engineering lab
- ❖ Member in anti ragging committee
- ❖ Member of departmental B.O.S

Contribution to corporate life:

I Will Plant trees: A single tree will absorb nearly a ton of carbon dioxide during its life time

I Strictly follow the 3 R's: One can do the society a huge favor if we strictly follow the 3 R's – reduce, re-use and recycle. Remind our self that we are contributing to the increasing pollution and destroying the environment by choosing disposable products, especially the carry bags. Use reusable products and save the environment. Recycle the products that we can.

I Donate Blood: one can donate the life saving fluid and save lives. By donating blood, you are not only saving the life of the needy person, but also have the benefits of your own blood being screened for infections like HIV and Hepatitis C before being transfused to a patient.

I Drive with Caution: By cautious and careful on the roads. It is not only our own that is at stake, but the life of others as well. Reduce the number of deaths and injuries on the roadways by being aware about the safety rules;

Save Fuel: I will Walk and cycle whenever possible; it not only saves fuel and prevents harmful emissions, but is a wonderful exercise for us

I will Be a like a Volunteer some times: Keep some time aside for volunteering to help an old age home, disability center or a hospital which is falling short of staff Through SSS(satya sai sevasamiti)

I will be Be a Good Samaritan: I Lend My helping hand to those in need. Make that call to the concerned official when I see something amiss our neighborhood.

Improve my Social Skills: I will Be humble, polite and have a smile on my lips. Even though I may not think of this as a great act, it goes a long way in making a difference to the society. By improving our social skills, being friendly and approachable person, we do a lot of good to your community.

I Try To Improve myself: The first step would be to improve My self so that I don't start leeching from our surroundings.

MEMBERSHIPS

1. Fellow in the institution of engineers India.(FIE)
2. Life member in the Indian society of technical education (LM 27637).
3. Life Member in Indian Institute of Production Engineers (LM 3193).

ACHIEVEMENTS

1. UGC Southern Region Hyderabad sanctioned for a mini project on January 2015 for Rs. 80000/- on the Project titled "Fabrication of a GO-KART with low cost" for the year 2016-17.