



**Dr. K GOVINDA RAJULU**

M.Tech., Ph.D (IITR)

Officer on Special Duty &  
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Jawaharlal Nehru Technological University Anantapur  
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## Bio-data

**Name** : **PROF.K.GOVINDA RAJULU**

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**Nationality** : Indian

**Religion** : Hindu

**Date of Birth & Place of Birth** : 05 April 1960  
Anantapur , Andhra Pradesh, India

**Educational Qualifications:**

S. No.	Qualification	University/Institution	Specialization	Year of award
1.	Ph. D	Indian Institute of Technology, Roorkee	Boiling Heat Transfer	1993
2.	M.Tech	JNT University, Hyderabad/ JNTU College of Engg., Anantapur	Heat Power Engineering	1985
3.	B.Tech	Sri Venkateswara University College of Engg. Tirupati	Mechanical Engineering	1982

**Details of Doctoral thesis:**

Area : Heat Transfer

Title : “Enhancement of Nucleate Pool Boiling Heat Transfer by Reentrant cavity Surfaces”

Supervisor : Professor B.S. Varshney and Professor H.K. Varma , Indian Institute of Technology, Roorkee

Year of award of Ph.D : 1993

**Professional Experience :**

S.No.	Institution/Organization	Position held	Duration
1	Jawaharlal Nehru Technological University	Professor of Mechanical Engineering	Nov. 2000 – Till date
2	Jawaharlal Nehru Technological University	Associate Professor	Sept. 1994 – Nov. 2000
3	Jawaharlal Nehru Technological University	Lecturer Redesignated as Assistant Professor	June 1985 – Sept. 1994

### Administrative Experience:

S.No.	Administrative Post held	Duration
1.	Officer on Special Duty Jawaharlal Nehru Technological University Anantapur Anantapuram	April 2018 – Till date
2.	Principal JNTUA College of Engineering, Pulivendula	Sept. 2014 – April 2018
3.	Director of Evaluation Jawaharlal Nehru Technological University Anantapur	Sept. 2012 Feb. - 2013
4.	Director Foreign Affairs & Alumni Matters Jawaharlal Nehru Technological University Anantapur	Oct.2010 – Sept. 2012
5.	Director, UGC Academic Staff College Jawaharlal Nehru Technological University , Hyderabad	Oct. 2007 – Aug .2008
6.	Officer on Special Duty Jawaharlal Nehru Technological University, Hyderabad	April 2007 – Oct. 2007
7.	Director of Evaluation Jawaharlal Nehru Technological University, Hyderabad	May 2005 – April 2007
8	Controller of Examinations Jawaharlal Nehru Technological University, Hyderabad	Dec. 2001 – May 2005
9	Convenor, ECET ( FDH) Statewide Engineering Common Entrance Test for Diploma Holders	2005
10	Convenor, ECET ( FDH)	2006
11	Convenor, ECET ( FDH)	2007
12	Co- Convenor, ECET ( FDH)	2002,2003&2004

## **Achievements :**

- ❖ Received “Best Teacher Award” by the Govt. of Andhra Pradesh from Deputy Chief Minister Sri Damodar Raja Narasimha on September 5<sup>th</sup>, 2012.

## **As Controller of examinations of combined J. N. T. Univerity, Hyderabad**

Introduced and implemented a new examination system called as EDEP (Electronics Distributions of Examination Papers) system in the University examinations in all the constituent (4) and Affiliated Engineering Colleges (426) of JNT University Hyderabad since November 2002. The highlights of EDEP system are 4 sets of question papers for each subject of all branches which are generated at random from the question bank are kept in Encrypted form in the university portal, which all the colleges can download with their own pass words. For decryption, pass word will be informed to the Principals of the colleges one hour before the commencement of examination who in turn can decrypt the question paper and prepare the required number of question papers and conduct the examination. The EDEP system of examinations has numerous advantages like (i) possibility of leakage by paper setter or printing press is eliminated, (ii) since there are four different sets of question papers, the student will not show any interest regarding any rumors of leakage of papers (iii) Mass copying is eliminated as seating arrangements is of EAMCET type and four different question papers are distributed, (iv) the cost of confidential printing, transportation, packing has been completely eliminated. etc.

This concept of EDEP examination system has received wide spread acclaim and some other state Governments have approached for the systemic and technological details.

National assessment and accreditation council of India (NAAC), has included this EDEP system as one of the best examination system in their published book of “Best examination practices “

## **Achievements as Director of Evalution of combined J.N.T.Univerity, Hyderabad:**

- ❖ Introduced on-line quiz examinations for all the university affiliated and constituent engineering colleges in the combined Andhra Pradesh. National assessment and accreditation council of India (NAAC), has

included this online examination system as one of the best examination system in their published book of “Best examination practices “

### **Achievements as Nodal officer (TEQIP) at JNTUA College of Engineering, Pulivendula**

- ❖ Implemented World Bank Project worth Rs.10.00crores
- ❖ Developed the Campus wide Networking at JNTUA CEP Campus
- ❖ Procured equipment, software, and Furniture worth for different Laboratories
- ❖ Organized various conferences, workshops and faculty development programs.
- ❖ Encouraged Faculty members to attend to national and international conferences and faculty development programs organized within the country and abroad
- ❖ Obtained “A” grade for the institute in all the five performance indicators independently and cumulatively by NPIU

### **Achievements as Principal of JNTUA College of Engineering, Pulivendula:**

- ❖ Established NPTEL local chapter .
- ❖ Entered into an memorandum of understanding with Indian Institute of Technology for offering MOOCS to our students,
- ❖ Developed the infrastructure of the departments.
- ❖ Improved the ambience of the college by creating more greenery
- ❖ Improved industry institute interaction and permitted several batches of students to visit industries including SHAR
- ❖ Modernized several Laboratories
- ❖ Revised of UG & PG syllabi by organizing Board of studies meetings regularly.
- ❖ Organized several Conferences, workshops and faculty development programs
- ❖ Established good amenities to students in the college & hostels and promoted games and sports by providing separate gymnasium for boys and girls, playing grounds etc.
- ❖ Promoted research activities of the college by providing funds for several research projects
- ❖ Attended “ leadership development progamme ” at National University Singapore, Singapore during 22<sup>nd</sup> – 26<sup>th</sup> September 2014.

### **Achievements as Director of UGC Academic Staff College of J N T University, Hyderabad :**

- ❖ Organized five three week workshops on different topics for academic staff of various affiliated engineering colleges by incurring all the expenditure to organize the work shop including TA & DA of participants and experts from UGC funds.
- ❖ Organized eight conferences of three days on different topics for academic staff of various affiliated engineering colleges
- ❖ Interacted and obtained funds from university grants commission, New Delhi

### **Other Achievements :**

- ❖ **Teaching Experience:** 33+ years to teach UG & PG Courses

### **Subjects Taught:**

Undergraduate courses	Post graduate courses
<ul style="list-style-type: none"><li>❖ Kinematics of Machinery</li><li>❖ Dynamics of Machinery</li><li>❖ Design of Machine Members</li><li>❖ Thermodynamics</li><li>❖ Thermal Engineering</li><li>❖ Elements of Mechanical Engg.</li><li>❖ Refrigeration &amp; Air Conditioning</li><li>❖ Computer Programing and Numerical Methods</li><li>❖ Heat Transfer</li><li>❖ Engineering drawing</li><li>❖ Production Technology 1</li><li>❖ Workshop Technology</li></ul>	<ul style="list-style-type: none"><li>❖ Refrigeration1</li><li>❖ Refrigeration 2</li><li>❖ Air Conditioning-1</li><li>❖ Air Conditioning -2</li><li>❖ Design of Heat Transfer Equipment</li><li>❖ Cryogenics</li><li>❖ Advanced Heat Transfer</li></ul>

### **Invited Lectures:**

- ❖ More than 20 invited lectures are delivered in reputed institutions, and also in UGC Academic Staff College at JNTU Hyderabad, in different areas.

### Research Experience and Guidance provided:

Total research experience : 28 years

- ❖ Guided 80+ Undergraduate projects and 50+ Postgraduate theses
- ❖ Guided students to work and present the research papers in student paper contests
- ❖ Presently, supervising 6 Research scholars for their Ph. D.

### Number of Research publications:

International Journals : 58  
National Journals : 04  
International Conferences : 19  
National Conferences : 20

### Performance Indices of Publications : (as on 22nd jan. 2019)

Total Citations : 436  
h -Index . : 09  
i-10 Index : 13

### Other Details:

- ❖ Approved Supervisor to supervise the Research scholars admitted in Vellore Institute of Technology, Vellore.

### Text Books / Monographs Authored:

Authored a book titled 'Text Book of Engineering Mechanics', published by Academic Publishing Company June 2013.

### Research guidance Provided :

#### Details of Ph. Ds' Awarded

Name of the Research Scholar	Title of the Thesis	Year of award
1) P.Indreswaraiah Retired Prof. of Mechanical Engineering G.P.R Engineering College, Kurnool	Nucleate pool boiling heat transfer	2005



2) P. Mallikarjuna Reddy, Principal SVR Engineering college , Nandyal	“Simulation of Heat Transfer in S.I. Engine Combustion Chambers”.	2006
3) Prahlada, Director of D.R.D.L, Chandrayana Gutta, Hyderabad.	“Supersonic combustion investigations on the effects of the various fuel injectors geometry on scramjet combustor performance”.	2007
4) C.V.Mohan Rao, Prof. of Mech. Engineering, Kakatiya University, Warangal.	“Experimental Investigations on a 4 stroke compression ignition engine using eco friendly non edible oils”	2007
5) G. Amarendar Rao, Professor, Principal, VBIT Aushapur, Hyderabad.	“EXPERIMENTAL INVESTIGATIONS ON A 4 STROKE DIESEL ENGINE”.	2008
6) Y. Krishna Reddy, Principal BVRIT, Narsapur ,Hyderabad	“Dynamics of solids handling jet pump”	2011
7) I. Satyanarayana, Principal Hyderabad	“Parametric Study and Thermodynamic Analysis of Super critical cycle.	2012
8 ) P.V.Srihari, Professor of Mechanical Engineering, R.V.College of Engineering, Bangalore.	“Condition Monitoring and Fault diagnosis of Gearboxes”.	2014
9) C. Vijaya Bhaskar Reddy, Professor & Head of Mechanical Engineering Dept.,SVCET, Chittoor.	“Automotive Exhaust gas analysis using bio sensors”.	2016

10) P. Nagasubba Rayudu Principal, Sri Dutta institute of Engineering technology HYDERABAD	“Parametric study and thermodynamic analysis of supercritical, ultra-supercritical and advanced ultra-supercritical power cycles with reheat and varying number of feedwater heaters ”	2017
11). C. Mahesh, Professor of Mechanical Engineering Dept. V.R.Siddhartha Engineering college, Vijayawada.	Prediction of thermal conductivities of FRP composites with Non – Similarities through Homogenization Approach	2018

### Details of Ph. Ds’ under the supervision (Presently)

S. No.	Names of Research scholars	Area of the Research
1	D.V. Raghunath	Domestic refrigeration system
2	M. R. Indudhar	“Effect of injection timing and injection pressure on the performance of Biodiesel Engen
3	B. Chinna Ankanna	Optimal design of sandwich pipes with functionally graded core
4	Lakshmi reddy	Heat pipe
5	Rehan	Automobile engineering
6	V.V. Prathiba Barathi	Enhancement of Engine Performance and Reduction of Emissions by changing Piston Geometry”,

**List of publications:**  
**International Journals:**

1. Govinda Rajulu. K., Mohanthi.B.K., Varshney.B.S, “Nucleate Pool Boiling Heat Transfer from a Modified Wolverine Low Integral Finned Tubes” Journal of Energy, Heat and Mass Transfer, Vol.14, 95-102 (1992), ISBN/ISSN: 0970/9991.
2. Govinda Rajulu. K,AAS Kadham, Mohanthi.B.K., Varshney.B.S, “Performance of Plain and Integral-fin tubes during Pool Boiling of Non-azeotropic Hydrocarbon Mixtures” Journal of Energy, Heat and Mass Transfer, Vol.14, 95-102 (1992), ISBN/ISSN: 0970/9991.
3. Govinda Rajulu. K, AAS Kadham,, Mohanthi.B.K., Varshney.B.S, “Characteristics of Nucleate Poll Boiling of Aqueous Mixtures” Journal of Energy, Heat and Mass Transfer, Vol.14, 95-102 (1992).
4. Govinda Rajulu. K., Mohanthi.B.K., Varshney.B.S, “Enhancement of Nucleate Pool Boiling Heat Transfer Coefficient by Reentrant Cavity Surfaces” International Journal of Heat Mass Transfer (2004) 41: 127-132, Publisher Springer – Verlag.
5. Govinda Rajulu. K, Ravi Kumar, Bikash Mohanty, HK Varma, “Enhancement of Nucleate Pool Boiling Heat Transfer by Reentrant Cavity Horizontal Tubes” International Journal of Heat Exchangers 1524-5608/Vol V (2004), pp.301-314.
6. Govinda Rajulu,K, D.N.Reddy Pahlada, “Investigation On Kerosene Fueled Scramjet Combustor Using Pilot and Barbotage Injection System” Journal of American Institute of Aeronautics and Astronautics, 2006.
7. Govinda Rajulu,K, D.N.Reddy Pahlada, “Effect of Non-Uniform Flow on the Ignition and combustion in Scramjet Combustor” Journal of American Institute of Aeronautics and Astronautics, 2006.
8. Govinda Rajulu. K, D.N.Reddy Pahlada, “Effect of Non-Uniform Flow on the Ignition and Combustion in Scrambustor” Journal of Electronic Modelling by National Academy of Science of Ukraine,2006
9. Govinda Rajulu. K, PM Reddy, K Rajagopal, “Simulation of Heat Transfer in S.I. Engine Combustion Chambers” Journal of Energy Heat and Mass Transfer. 2007.

- 10.D.N.Reddy Prahlada, Govinda Rajulu,K, “Investigation on Kerosene Fueled Scramjet combustor Using Pilot and Barbotage Injection System” Journal of “Electronic Modelling” by National Academy of Science of Ukraine, 2007.
- 11.Govinda Rajulu. K, Mr. Indudhar, N.R. Banapurmath “Performance and emission characteristics of MAHUA oil (Madhuca indica oil+Pongamia oil (Pongamia Pinnataoil) in the form of a blend as fuel in a four stroke CI engine”, International Journal of Logic Based Intelligent Systems, Vol.2, No.2, Jul-Dec 2008.
- 12.Govinda Rajulu. K, Mr. Indudhar, N.R. Banapurmath “Experimental investigation of a single- cylinder, 4 stroke Diesel Engine operating on dual fuel mode (diesel+LPG), International Journal of Scientific Computing, 2 (2) , july – December 2008, pp. 145-152.
- 13.Govinda Rajulu. K, Mr. Indudhar, N.R. Banapurmath “Performance and emission evaluation of Neat Mahua oil (Madhuca indica oil+Pongamia oil (Pongamia Pinnataoil) for emergency and short term applications in a four stroke Compression Ignition engine”, International Journal of Logic Based Intelligent Systems , Vol.3, No.2, Jul-Dec 2009.
- 14.P.V. Srihari, K. Ramachandra and Govinda Rajulu. K, Gearbox Fault Classification based on Vibration Signals using Artificial Neural Networks, International Journal of Emerging Technologies and Applications in Engineering, Technology And Sciences (IJ-ETA-ETS), Volume 2 Issue 2, June '09 – Dec. '09, (137-141).[ISSN:0974-3588]
- 15.Govinda Rajulu. K, Sathya narayana, I. ”Exergy Analysis of Supercritical Cycle for 1000 MW Power Generation using without Reheat, Single and Double Reheat”, Journal of Mechanical Engineering, An International Journal, ,Vol 7, No.1, pp91-107, July 2010.
16. “Second Law Analysis of Super Critical Cycle”, International Journal of Engineering (IJE), Vol(4) : Issue(1), pp 66-78,2010.
17. Govinda Rajulu. K, “Exergy Analysis of Reheat Regenerative Supercritical Cycle with Feed Water Heaters”, accepted for publication of Applied Energy journal, Elsevier, special issue on “Energy Solutions for a Sustainable World”, 2010.
- 18.Govinda Rajulu. K, “Performance evaluation of dual- fuel engine (Diesel + LPG ), Indian Journal of Energy and Environment, Vol. 3, no.3, March

2010, ISSN : 0974- 6846.”I. Parametric Study of Reheat Regenerative Ultra Supercritical Rankine Cycle with Feed Water Heaters”, International Journal of Mechanical and Materials Engineering, Malaysia(Accepted for Publication),May 2010, Vol No. 6, issue no. 2, Page No. 250-259.

- 19.Govinda Rajulu. K “P.V. Srihari, and K. Ramachandra, Vibration Based Gearbox Fault Detection Using Artificial Neural Networks, International Journal of Theoretical Applied Mechanics (IJTAM), Vol. 5, Number 2010, (53-61).[ISSN:0973-6085]
- 20.Govinda Rajulu. K, P.V.Srihari, and K.Ramachandra, A Method to Improve Reliability of Gearbox Fault Detection with ANN, International Journal of Automotive & Mechanical Engineering (IJAME), Universiti Malaysia Pahang, Pahang, Malaysia,Vol.2, July-December2010,(221-230).[ISSN:1985-9325]
- 21.Govinda Rajulu. K GA Rao, AVS Raju, CVM Rao, Effect of LPG content on the performance and emissions of a diesel-LPG Dual-Fuel Engine, Bangladesh International Journal of Scientific and Industrial Research, Val. 46, Issue No. 2, Page No. 195-200, Publication Date: 2011.
- 22.Govinda Rajulu. K, C. Vijaya Bhaskar Reddy, “Piezoresistive SU-8 Cantilever Withh Fe (III) Porphyrin Coating for CO Sensing” IEEE transactions on Nanotechnology. Vol. 11, No.4. July 2012.P.g 701 to 706.
- 23.Govinda Rajulu. K, Mr. Indudhar, N.R. Banapurmath “ Effect of LPG content on the performance and emissions of a Diesel- LPG dual fuel engine “ (Accepted for publication in Bangladesh Journal of scientific and industrial research, Dhaka).
24. Govinda Rajulu. K, Mr. Indudhar, N.R. Banapurmath, “Effects of EGR, swirl augmentation techniques on combustion of biodiesel/ethanol and their blends in a diesel engine” International Journal of Sustainable Engineering [ IJSE], Vol No. 1, Issue No. 1, Sep. 2012 pages 55-65.
25. Govinda Rajulu. K , DV Raghunatha Reddy, P Bhramara, “Performance and optimization of capillary tube length in a split type air conditioning system” International Journal of Engineering Research and Technology Sep-2012, Vol-1 Issue 7, P.No.1-11, ISSN:2278-0181.

26. Govinda Rajulu. K, B Sreenivasa kumar Reddy, Air Cooling in Automobiles using vortex tube refrigeration system, International Journal of Engineering Science and Technology (IJEST), February – 2013, Vol no. 5, issue no. 2, Page No. 341-348, ISSN: 0975-5462
27. Govinda Rajulu. K, B Sreenivasa Kumar Reddy, “Air Cooling in Automobiles Using Vortex Tube Refrigeration System”, International Journal of Engineering Science and Technology (IJEST), Vol no. 5, Issue No. 2, Page No. 341-348, ISSN No. 0975-5462, February 2013.
28. Govinda Rajulu. K “Petrol and Diesel Pollution Control by Potassium Alum”, International Journal of Advancements in Research & Technology, Vol.2, issue 3, March 2013 (ISSN 2278-7763).
29. Govinda Rajulu. K, C. Mahesh, and V. Balakrishna Murthy “Modelling of Hybrid Materials and Interface Defects through Homogenization Approach for the Prediction of Effective Thermal Conductivity of FRP Composites Using Finite Element Method”, Advances in Materials Science and Engineering, Volume 2013 (2013), Article ID 147693, 7 pages.
30. Govinda Rajulu. K, Dr AV Rao, CV Mohan, Experimental investigations on a four stroke compression ignition engine using neat tobacco seed oil as an alternate fuel, Global International Journal of Researches In Engineering, Vol no. 13, Issue no.4 , May 2013.
31. Govinda Rajulu. K, C. Mahesh, B. Kondapanaidu, and V. Balakrishna, “Experimental Investigation of Thermal and Mechanical Properties of Palmyra Fiber Reinforced Polyster Composites With and Without Chemical Treatment and Also Addition of Chalk Powder”, International Journal of Engineering Trends and Technology (IJETT), Vol No. 5, Issue No. 5, Page No. 259-271, November 2013, ISSN : 2231-5381.
32. Govinda Rajulu. K P. Ramakrishna Reddy, and T. Venkata Sheshaiah Naidu “Experimental Investigation on Diesel Engines by Swirl Induction with Different Manifolds” PP. 488-492, Feb 2014, International Journal of Current Engineering and Technology, E-ISSN 2277-4106, P-ISSN 2347-5161 Published by International Press Corporation.
33. D.V.Raghunatha Reddy, P.Bhramara, K. Govindarajulu “Application of soft Computing techniques for analysis of vapour compression refrigeration system ", IJCET ISSN 2277-4106, ISSN2347-5161, Issue-2 February 2014.

34. Govinda Rajulu. K, K. John Samuel, and G. Edison “An Experimental Investigation and Performance Evaluation of 1.5 TR Window Air-Conditioner by Using R22, R407C and R410A by Varying the Capillary Pitch”, World Applied Sciences Journal 29 (11) ISSN 1818-4952: 1468-1472, 2014.
35. Govinda Rajulu. K, D.V.Raghunatha Reddy, Dr P.Bhramara, “Application of soft computing techniques for analysis of vapor compression refrigeration system” International Journal of Current Engineering and Technology (**IJCET**), , Volume N0:2, Issue:2, February 2014, ISSN 2277-4106.
36. Govinda Rajulu. K, B.Madhu Babu , and Dr. S.L.V.Prasad, Experimental Investigation of a single cylinder 4- stroke di diesel engine by swirl induction with two different configuration pistons, International Journal of Application or Innovation in Engineering & Management (IIAIEM), November – 2014, Val No. 3, Issue No. 11, Page No. 314-319, ISSN: 2317-4847.
37. Govinda Rajulu. K, C. Mahesh and V. Balakrishna Murthy, “Homogenization of partial debond effect on the effective thermal conductivities of FRP composite using finite element analysis”, Composite Interfaces, (Taylor & Francis) 2015 Vol. 22, No. 1, 51–65.
38. Govinda Rajulu. K, Effect of LPG content on the performance and emissions of a Diesel- LPG dual fuel engine, Bangladesh International Journal of scientific and industrial research, Dhaka, 2015.
39. Govinda Rajulu. K, Mr. Indudhar, N.R. Banapurmath and S.V.Khandal, “Effect of injection timing and injection pressure on the performance of Biodiesel ester of honge oil fuelled common rail direct injection (CRDI) engine”, International Journal of Engineering, Science and Technology (IJSER), Vol No. 7, Issue No. 4, December 2015, Page No. 37-48, ISSN – 2141-2839.
40. Govinda Rajulu. K, Y Rajasekhar, Edison Gundabattini, Thundil Karuppa Raj Rajagopal, Experimental Investigation on Engine Performance and Emission Characteristics using Pongamia–Orange Oil Blends, International Journal of Renewable Energy Research (IJRER), Vol no. 6, Issue No. 1, Page No. 229-236, March 2016.
41. Govinda Rajulu. K, C Mahesh, B Kondapanaidu, Experimental Investigation of Thermal and Mechanical Properties of Palmyra Fiber

Reinforced Polyester Composites With and Without Chemical Treatment and Also Addition of Chalk Powder, INTERNATIONAL JOURNAL OF Engineering trends and Technology, ijettjournal.org, Vol No.1 Issue no. 5, Page No. 259-271, 2016.

42. Govinda Rajulu. K, C. Mahesh and V. Balakrishna Murthy, ‘‘Analysis of fibre waviness effect through homogenization approach for the predication of effective thermal conductivities of FRP composite using finite element method’’, Bulletin of Material Science Vol no. 39, Issue No. 3, Page No. 847-855, Date: June-2016, Indian Academy of Sciences (S12034-016-1218-7).
43. D.V. Raghunatha Reddy, P. Bhramara, K. Govindarajulu ‘‘Hydrocarbon Refrigerant mixtures as an alternative to R134a in Domestic Refrigeration system: The state-of-the-art review’’, IJSER ISSN 2229-5518, Volume NO:7, June-2016.
44. K. Govindarajulu, Dr. V.V. Prathibha Bharathi<sup>1</sup>, V.V. Naga Depthi<sup>2</sup>, Dr. R. Ramachandra<sup>3</sup> and V. Pandurangadu<sup>4</sup>, ‘‘ Investigation of an Air Enhancement Device on the performance of a Diesel Engine’’ International Journal of Engineering Science and Computing, November 2016, ISSN – 2321 3361, 2016 IJESC, Vol no. 6, Issue No. 11, Page No. 3146-3150, Dated: November – 2016.
45. K. Govindarajulu, Dr. V.V. Prathibha Bharathi<sup>1</sup>, V.V. Naga Depthi<sup>2</sup>, Dr. R.R. Ramachandra<sup>3</sup> and V. Pandurangadu<sup>4</sup>, ‘‘ Effect of Intake Manifold Inclination on Performance and Emission Parameters of 4- Stroke Single Cylinder C.I. Engine’’ International Journal of Engineering Science and Computing, November 2016, ISSN 2321 3361@2016, IJESC, Vol no. 6, Issue No. 11, 3120-3123, Dated: November 2016.
46. K. Govindarajulu, Dr. V.V. Prathibha Bharathi<sup>1</sup>, V.V. Naga Depthi<sup>2</sup>, Dr. R.R. Ramachandra<sup>3</sup> and V. Pandurangadu<sup>4</sup>, ‘‘ Performance of Four Stroke Diesel Engine, Focusing Combustion Modeling and Cycle Analysis’’ International Journal of Engineering Science and Computing, November – 2016, 3146, ISSN 2321 3361@, IJESC, Vol No. 6, Issue No. 11, Page No. 3078 -3081.
47. K. Govindarajulu, Dr. V.V. Prathibha Bharathi<sup>1</sup>, V.V. Naga Depthi<sup>2</sup>, Dr. R.R. Ramachandra<sup>3</sup> and V. Pandurangadu<sup>4</sup>, ‘‘ Study of Swirl and Tumble Motion Using CFD’’ International Journal of Engineering Science and Computing, November – 2016, 3146, ISSN 2321 3361@2016, IJESC, Vol no. 6, Issue No. 11, Page no. 3082-3085.



- 48.K. Govindarajulu, Dr. V.V. Prathibha Bharathi<sup>1</sup>, V.V. Naga Depthi<sup>2</sup>, Dr. R.R. Ramachandra<sup>3</sup> and V. Pandurangadu<sup>4</sup>, “ An Experimental Investigation of Combustion, Emissions and Performance of Diesel Fuelled HCCI Engine” 3086-3094, International Journal of Engineering Science and Computing, November – 2016, ISSN 2321 3361, @ 2016, IJESC, Vol No. 6, Issue no. 11, Page No. 3086-3094.
- 49.K. Govindarajulu, Dr. V.V. Prathibha Bharathi<sup>1</sup>, V.V. Naga Depthi<sup>2</sup>, Dr. R.R. Ramachandra<sup>3</sup> and V. Pandurangadu<sup>4</sup>, “ Investigation and Modeling of a Four Stroke Single Cylinder DI Diesel Engine under Various Injection Timings” 3095-3094” International Journal of Engineering Science and Computing, November – 2016, 3146, ISSN 2321 3361, @ 2016, IJESC, Vol No. 6, Issue No. 11, Page No. 3095-3100.
- 50.K. Govindarajulu, Dr. V.V. Prathibha Bharathi<sup>1</sup>, V.V. Naga Depthi<sup>2</sup>, Dr. R.R. Ramachandra<sup>3</sup> and V. Pandurangadu<sup>4</sup>, “ Effect of Intake Manifold Inclination on Performance and Emission parameters of 4- Stroke Single cylinder C.I. Engines” 3120-3123, International of Engineering Science and Computing, November – 2016, ISSN 2321 3361, @ 2016, IJESC, Vol No. 6, Issue No. 11, Page No. 3120-3123.
- 51.K. Govindarajulu, Dr. V.V. Prathibha Bharathi<sup>1</sup>, V.V. Naga Depthi<sup>2</sup>, Dr. R.R. Ramachandra<sup>3</sup> and V. Pandurangadu<sup>4</sup>, “ Intake Manifolds and Their Effects on Performance of C. I. Engine, International Journal of Engineering Science and Computing, November – 2016, ISSN 2321 3361@ 2016, IJESC, Vol No.6,issue no.11, Page No. 3101-3104, 53101-3104.
- 52.K. Govindarajulu, Dr. V.V. Prathibha Bharathi<sup>1</sup>, V.V. Naga Depthi<sup>2</sup>, Dr. R.R. Ramachandra<sup>3</sup> and V. Pandurangadu<sup>4</sup>, “ Effect of Inlet Air Swirl on Four Stroke Single Cylinder Diesel Engine Performance International Journal of Engineering Science and Computing, November – 2016, , ISSN 2321 3361@ 2016, IJESC, Vol No.6,issue no. 11, Page No. 3238-3243.
- 53.K. Govindarajulu, Dr. V.V. Prathibha Bharathi<sup>1</sup>, V.V. Naga Depthi<sup>2</sup>, Dr. R.R. Ramachandra<sup>3</sup> and V. Pandurangadu<sup>4</sup>, “ Enhancement of Engine Performance and Reduction of Emissions by changing Piston Geometry”, International Journal of Engineering Science and Computing, November – 2016, , ISSN 2321 3361@ 2016, IJESC, Vol No.6,issue no. 11, Page No. 3252-3258.

- 54.K. Govindarajulu, M.R.Indudhar, N.R.Banapurmath & Saurabh Bidari, “Combustion and exhaust emissions study in a single – cylinder four – stroke diesel engine with swirl augmentation techniques, Journal of Biofuels, Taylor & Francis Published Online, February – 2017, Page No. 1 – 14, <http://dx.doi.org/10.1080/17597269.2017.1284474>.
- 55.Peyyala Nagasubba Rayudu, Dr. K. Govindarajulu, ‘Parametric study and thermodynamic analysis of Ultra Supercritical Rankine Cycle Power plant of 800 MW Power Generation with feed water heaters and Deaerator’, **The International Journal of Emerging Technology and Advanced Engineering**(ISSN 2250–2459). Impact factor 4.06,Vol 6, issue8,2016.[http://www.ijetae.com/files/Volume6Issue8/IJETAE\\_0816\\_37.pdf](http://www.ijetae.com/files/Volume6Issue8/IJETAE_0816_37.pdf)
- 56.Peyyala Nagasubba Rayudu, Dr. K. Govindarajulu, ‘Thermodynamic analysis of 1200 MW coal based supercritical thermal power plant with single and double reheating’, International journal of engineering sciences & research technology (ISSN: 277-9655) ,impact factor 4.116, Issue April-2017. <http://www.ijesrt.com/issues%20pdf%20file/Archive-2017/April-2017/102.pdf>
- 57.Peyyala Nagasubba Rayudu, Dr. K. Govindarajulu, ‘Optimization of operating parameters for a 600MW rankine cycle based ultra-supercritical power plant’, International journal of engineering & technology (ISSN: 0975-4024), June-2017, UGC approved journal.
- 58.D.V.Raghunatha Reddy, P.Bhramara, K. Govindarajulu “Experimental Evaluation of the Effect of Refrigerant Charge and Capillary Tube Length on the Performance of Household Refrigerator with Different Configurations of R290 and R600a ", ELSEVIER Materials to day Proceedings 5(2018) pp.11845-11852

### National Journals:

1. Govinda Rajulu. K , Krishna Reddy, Y. “Designing experiments to study jet pumping of slurry” , IE(I) journal - MC, Vol.90, July 2009 ,pp 24-31.
2. “P.V.Srihari, K.Ramachandra and K.Govindarajulu, Optimization of Feature Selection Data for Training ANN Based Gearbox Fault Diagnosis, Technology Spectrum, Journal of Jawarlal- Nehru

Technological University Hyderabad, Vol.4 No.1, March 2010,(39-41).  
[ISSN:0974-6854]

3. G.A. Rao., A.V.S. Raju., K.Govinda Rajulu., and C.V. Mohan Rao, "Performance Evaluation of dual fuel engine ( Diesel + LPG)" Indian Journal of Science and Technology, vol. 3, No.3 March 2010, ISSN : 0974-6846
4. "Experimental Analysis of the effect of coiled capillary tube height on vapour compression refrigeration system performance" Engineering today volu.XIII, ISSUE 6, ISSN;0974-8377 June 2011. PP. 151 to158.

### **International Conferences:**

1. K Govinda Rajulu, HK Varma, BS Varshney, B Mohanty "Nucleate Pool Boiling Heat Transfer from Reentrant cavity Tubes", P.P.335-340, The 6<sup>TH</sup> International Symposium in Transport Phenomena in Thermal Engineering, May 9-13, 1993, Seoul, KOREA.
2. K Govinda Rajulu, P Indreswaraiah, D Subbarayudu "Nucleate pool Boiling Heat Transfer in Different metals of Heating surfaces with Different Liquids" proceedings of the International conference on Mechanical Engineering 2003 (ICME-2003) 26<sup>th</sup>, 28<sup>th</sup> December 2003 Dhaka, Bangladesh.
3. Govinda Rajulu. K , Krishna Reddy, Y. "Modelling of Slurry-Handling Piping Element Under Interference Conditions" Proceeding of HT-FED04, 2004 ASME Heat Transfer/Fluids Engineering Summer Conference, July 11-15,2004, Charlotte, North Carolina USA.
4. K.Govindarajulu, Sathya narayana, I. "Exergy Analysis of Supercritical Cycle", 18<sup>th</sup> National & 7<sup>th</sup> ISHMT-ASME, Heat And Mass Transfer Conference, January 4-6, 2006, IIT Guwahati, India, pp1833-1839
5. Govinda Rajulu. K , Krishna Reddy, Y. "Hydraulic loss reduction in stator ventilation to improve hydrogenerator efficiency via experiments and CFD analysis". International Conference on Computational Science and Engineering, Proceedings of World Academy of Science, Engineering and Technology , Volume 38, February 2009, the WASET conference proceedings (ISSN 2070-3740).

6. K.Govindarajulu, Sathya narayana, I. “Exergy Analysis of Reheat Regenerative Supercritical Cycle with Feed Water Heaters”, International Conference on Applied Energy (ICAE 2010), Singapore, April 21-23,2010, pp 1210-1220.
7. P.V.Srihari, K.Govindarajulu and K.Ramachandra, “Optimization of Vibration Data to improve Gear Fault Diagnosis”, International Conference on Convergence of Science & Enginnering (ICSE-2010), Dayananda Sagar College of Engineering, Bangalore, 21-22 April 2010.
8. D.V. Raghunatha Reddy, P. Bhramara, K. Govinda Rajulu Performance and Optimization of Capillary Tube Length in a Split Type Air Conditioning System, , International Journal of Current Engineering and Technology (IJCRT) , September 2012.
9. B.Sreenivasa Kumar Reddy, K.Govindarajulu “Air Cooling in Automobiles using Vortex Tube Refrigeration System” ISBN : 978 93 5104-586-1 page no 476 to 480 RITS ICAEM-2013:2<sup>nd</sup> International Conference on Advancements in Engineering and Management 27 &28 February 2013
10. Dr.P Srinivasa Rao, B.Ramanjulu, K GovindaRajulu A Review on Swirl Induction In Performance Of IC Engine P.Ramakrishna Reddy, ISBN : 978 93 5104-586-1 page no 481 to 484 RITS ICAEM-2013:2<sup>nd</sup> International Conference on Advancements in Engineering and Management 27 &28 February 2013.
- 11.D.V. Raghunatha Reddy, P. Bhramara, K. Govinda Rajulu, ‘ Application of soft computing techniques for analysis of vapour compression refrigeration system, 1st International Conference on Advances in Mechanical Sciences 2014. (ICAMS2014), Paper No. 47, 09 – 11, January 2014.
- 12., D.V. Raghunatha Reddy, P. Bhramara, K. Govinda Rajulu, Application of soft computing techniques for analysis of vapor compression refrigeration systemInternational Journal of Current Engineering and Technology (IJCET), Issue – 2 (Impact Factor: 2.552), , ISSN 2277-4106, P – ISSN 2347 – 5161, February 2014.
- 13.D.V. Raghunatha Reddy, P. Bhramara, K. Govinda Rajulu,Performance prediction of a vapour compression refrigeration system with fuzzy modeling, International Conference on Emerging Trends in Science

Technology Emerging and Management (ICETSTEM – 2015), Paper No. 004, 09 – 10 October – 2015.

- 14.D.V.Raghunatha Reddy, P.Bhramara, K. Govindarajulu “Simulation and Analysis on Domestic Refrigeration System Using Hydrocarbon Refrigerant Mixture (R290/R600a) with ANN and Fuzzy Logic Based Predictive techniques”, 24thNational and 2ndInternational ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2017), December 27-30, 2017, BITS Pilani, Hyderabad, India. (Under progress)
- 15.D.V.Raghunatha Reddy, P.Bhramara, K. Govindarajulu “Performance Prediction of Vapor Compression Refrigeration System using Artificial Neural Network”, International Conference on Emerging Trends in Mechanical Engineering (ICETiME-2016) 23-24 September 2016 Faculty of Science and Technology, IFHE, University, Hyderabad, Telangana, India. Pp.706-711.
- 16.D.V.Raghunatha Reddy, P.Bhramara, K. Govindarajulu “Performance prediction of a vapor compression refrigeration system with fuzzy modeling," International Conference On Emerging Trends in Science Technology Engineering and Management (ICETSTEM-2015) 9-10 October-2015Malla Reddy Engineering College(Autonomous), Hyderabad, Telangana, India. Pp.488-495.
- 17.D.V.Raghunatha Reddy, P.Bhramara, K. Govindarajulu “Application of soft computing techniques for analysis of vapour compression refrigeration system ", 1st Inter National Conference on Advances in Mechanical Sciences (ICAMS-2014). 9-11January 2014, Vardhaman College of Engineering Hyderabad, Pp. 470-476.
- 18.D.V.Raghunatha Reddy, P.Bhramara, K. Govindarajulu”A Review of Literature on Vapour Compression Refrigeration System with Different Simulation Techniques”,Proc of National Conference on advances in mechanical engineering (AMERE-2013)., March25&26,2013,CBIT Hyderabad, Paper N0.T09,Pp.151-155.
- 19.P Lakshmi Reddy, B. Srinivasa Reddy, K. Govindarajulu ” Effect of Parameters on Thermal Performance of Cylindrical Screen Mesh Wick Heat Pipe Using Water Based Nanofluids – A Review ”,International Conference on Emerging Research Trends in Mechanical & Civil Engineering (ICERTMCE – 2017),6<sup>TH</sup> AND 7<sup>TH</sup> July 2017,Reva University Bengaluru – 560064.

### **National Conferences:**

1. K Govinda Rajulu, HK Varma, BS Varshney, B Mohanty “Conservation of Energy by Augmenting Heat Transfer Co-efficient”, P.P.III – 1721, Eighth National Conference of Mechanical Engineers, Rookee, October 30-31 & November 1, 1992.
2. K Govinda Rajulu, HK Varma, BS Varshney, B Mohanty “Heat Transfer during Pool Boiling of Hydrocarbons on Two Horizontal Tubes Placed in a vertical plane” Proceedings of the eighth ISME conference on Mechanical Engineering” Emerging Trends in Mechanical Engineering”, P.P.75-80, March – 1993.
3. K Govinda Rajulu, HK Varma, BS Varshney, B Mohanty “Augmentation of Boiling Heat Transfer by Structured Surfaces”, Seminar – 93, Science and Technology in the service of mankind: Recent Advances and Innovations, 1993.
4. K Govinda Rajulu, HK Varma, BS Varshney, B Mohanty “Heat Transfer enhancement by Boiling of Hydrocarbons on Capillary Porous wire Mesh Structure”, seminar-93, Science and Technology in the service of mankind, Recent Advances and Innovations-1993.
5. K Govinda Rajulu, HK Varma, BS Varshney, B Mohanty “Boiling Heat Transfer from a Two-tube Bundle to saturated liquids” proceeding’s of the First ISHMT-ASME Heat and Mass Transfer conference and 12<sup>th</sup> National Heat & Mass Transfer conference, P.P. 401-406 January 5-7, 1994, BOMBAY.
6. “Thermodynamic Analysis of Super Critical Cycle” XVII National and VI ISHMT/ASME HEAT and Mass Transfer Conference, IGCAR, Kalpakkam, Jan.5-7, 2004 HMT – 2004-C125. P.P.747-752.
7. “ An overview of Alternate Fuels for Internal Combustion Engines “ Proceedings of National Conference on Advanced Trends in Mechanical Engineering Research and Development, Dec. 2002, PP. 740-742, Anantapur.
8. Govinda Rajulu. K , Krishna Reddy, Y. “Dynamics of Slurry Handling Jet-Pump Under Interference Conditions” Proceeding of Port Handling Systems, India,2004, October 5-7,2004, Mumbai, Maharastra, India

9. “Advanced Materials Sustainable for Turbine and boiler in the Supercritical Range” Ist National Conference on Advances in Manufacturing Technology in the Era of Globalization, 2005, Pune.
- 10.K.Govindarajulu, Sathya narayana, I. “Exergy Analysis of Super Critical Cycle” National Conference of Heat and Mass Transfer, IGCAR, Kalpakkam. 2006.
- 11.K.Govindarajulu, Sathya narayana, I. “Advanced Materials and Sustainable for Turbine and Boiler in the Supercritical Range”, AMTEG-2005, First National Conference on Advances in Manufacturing Technology in the Era of Globalisation, January 21-22.,2005, P.I.E.T.,Pune and I.I.P.E., Pune. Pp 155-159.
12. P.V.Srihari, K.Govindarajulu and K.Ramachandra, “Fault Diagnosis of Gearboxes”, National Conference on New Trends in Mechanical Sciences (NTMS 2010), Dr.Navalar Nedunchezhiyan College of Engineering, Tholudur – 606 303, Cuddalore, TN. 12th & 13th April, 2010.
- 13.P.V.Srihari, K.Govindarajulu and K.Ramachandra, “Optimization of Feature Selection Data for Training ANN based Gearbox Fault Diagnosis”, National Conference on Emerging Trends in Industrial Automation (ETIA-2010), Velammal Engineering College, Chennai, 29th March 2010.
- 14.P.V.Srihari, K.Govindarajulu and K.Ramachandra, “Vibration Monitoring of Gear Boxes, National Conference on Approaching Scholastic Horizons in Mechanical Engineering “(NCASHME2010), Shirdi Sai Engineering College, Bangalore, 23-24 April 2010.
- 15.D.V. Raghunatha Reddy, P. Bhramara, K. Govinda Rajulu, “ Optimization Of Capillary Tube Length In Split Type Air Conditioning System” National Conference On Advance In Mechanical Engineering” (AIME – 2012), KITS Huzurabad, Karimnagar Andhra Pradesh, Feb – 18<sup>th</sup>, 2012.
- 16.D.V. Raghunatha Reddy, P. Bhramara, K. Govinda Rajulu “ A Review of Literature on Vapour Compression Refrigeration System with Different Simulation Techniques, , National Conference On Advances In Mechanical Engineering And Renewable Energy (AMERE – 2013), CBIT, Hyderabad, 25<sup>th</sup> & 26<sup>th</sup> March 2013.



- 17.D.V. Raghunatha Reddy, P. Bhramara, K. Govinda Rajulu Performance of vapor compression refrigeration system and prediction with fuzzy modeling at various loads, , 5<sup>th</sup> National Conference On Advances In Mechanical Engineering (AIMS- 2015) Vasavi College of Engineering Hyderabad, 1 & 2 May 2015.
- 18.Performance of Vapour Compression Refrigeration System and Prediction with Fuzzy Modelling at Various Loads, Proceedings of the 5<sup>th</sup> National conference on Advances in Mechanical Engineering (AIM 2015). Vasavi College of Engineering (Autonomous). Hyderabad. TS. May 1-2, 2015. Pp.133-140. (ISBN: 978-93-82570-59-2).
- 19.Peyyala Nagasubba Rayudu, Dr. K. Govindarajulu,’‘Thermodynamic analysis of 1200 mw coal based supercritical thermal power plant with single and double reheating’, National conference on innovations in mechanical engineering (NCIME ‘17),*October - 2016*.
- 20.D.V. Raghunatha Reddy , P. Bhramara and K. Govindarajulu “Experimental Investigation on domestic refrigeration system using different hydro carbon refrigerant mixtures as an alternative to R134a” , V National conference on Refrigeration and Air Conditioning, NITK , Surathkal, 10-12 May, 2018

### **Other Experiences:**

#### **Examiner:**

- ❖ National Institute of Technology, Surathkal  
APPSC, Andhra Pradesh  
Sri venkateswara University Tirupathi  
JNT University, Hyderabad  
Andhra University, Visakhapatnam  
Osmania University, Hyderabad  
JNT University, Kakinada
- ❖ Acted as AICTE Hearing committee and AICTE Inspection committee member for granting permission to start new engineering college.
- ❖ Acted as expert in National Board of Accreditation committees
- ❖ Acted as Convenor and member for several committees constituted by APSCHE.



- ❖ Acted as expert member of selection board in the interviews of Ph. D. students of JNT University.
- ❖ Acted as member of several University committees such as JNT University affiliation committee, inspection committee etc.
- ❖ Chaired several Technical sessions in seminars/conferences.
- ❖ Acted as president of teachers Association at JNTU College of Engineering Anantapur.
- ❖ Acted as president of 'Indian society for Technical Education local chapter at JNTU College of Engineering, Anantapur.

### **Reviewer of Research papers:**

- ❖ Technology Spectrum, JNTU Hyderabad.
- ❖ Journal of Institution of Engineers (India), MC.

### **Staff Selection Committee :**

- ❖ Expert member of staff selection in National Institute of Technology, Suratkal
- ❖ Affiliated institutions of J N T University Hyderabad for University Ratification
- ❖ Andhra University, Visakhapatnam

### **Curriculum Design:**

- ❖ Chairman of Board of studies Mechanical Engineering .  
JNT University, Hyderabad (2004-2007)
- ❖ Chairman of Board of studies Mechanical Engineering .  
JNTU College of Engineering, Anantapur.  
(Autonomous).

### **Important positions held:**

- ❖ Convenor, ECET (FDH) (Statewide Engineering Common Entrance Test for Diploma Holders) for three consecutive years years 2005,2006 and 2007

- ❖ Member of the Governing council of affiliated Institutions as a University nominee
- ❖ Member – Standing Committee of Academic Senate JNT University, Hyderabad.
- ❖ Member – Standing Committee of Academic Senate JNT University, Hyderabad.

### **Details of Workshops organized for the faculty as Principal :**

1. YANTRA-2014, A National Level Two Days Workshop On 17<sup>th</sup> & 18<sup>th</sup> Oct'14.
2. Two day national Level workshop on “Human Values and Professional Ethics” 07<sup>th</sup> & 08<sup>th</sup> November 2014.
3. Workshop on faculty/ stakeholders on Outcome Based Accreditation Process & Parameters 20<sup>th</sup> & 21<sup>st</sup> November 2014 at Chemistry Dept.
4. National level workshop on Cloud computing and big data, 23<sup>rd</sup> to 25<sup>th</sup> January 2015.
5. Two day national workshop on Linear IC Applications and system approaches, 25<sup>th</sup> to 26<sup>th</sup> September 2015.
6. YANTRA-2015, A National Level Two Days Workshop On 8<sup>th</sup> & 9<sup>th</sup> October' 15.
7. Robo-zest – 2015, A National Level Robotics Workshop on “Wireless touch screen controlled robot” on 9/10/2015 and 10/10/2015.
8. Robo-zest – 2016, A National Level Robotics Workshop on “Brain controlled robot” on 23/03/2016 and 24/03/2016.
9. YANTRA-2016, A National Level Two Days Workshop On 28<sup>th</sup> & 29<sup>th</sup> September'16.

10. National workshop on Research Methodology in science & technology, 17<sup>th</sup> to 18<sup>th</sup> Oct 2016.
11. A Two days' National workshop on "Composite materials characterization and its applications". on 19-20 October 2016.
12. National workshop on Recent trends in fluid dynamics and numerical techniques, 21<sup>st</sup> to 22<sup>nd</sup> October 2016.
13. Workshop on Environmental management green and sustainable chemistry, 22<sup>nd</sup> February 2017, 22<sup>nd</sup> February 2017.
14. Two days national workshop on Teaching dynamics for Engineering faculty, 14<sup>th</sup> to 15<sup>th</sup> March 2017.
15. Workshop on paper and article writing with LATEX, 17<sup>th</sup> to 19<sup>th</sup> March 2017.
16. Two days national workshop on Empowering teaching dynamics for engineering faculty on professional skills, 30<sup>th</sup> to 31<sup>st</sup> March 2017.

#### **Faculty Development Programmes Organized as Principal of the College:-**

1. Faculty development programme on Entrepreneurship development initiatives in India in collaboration with IEE Hyderabad, 23<sup>rd</sup> and 24<sup>th</sup> July – 2015.
2. Faculty development programme on Graphical system design approaches in Engineering education research, 19<sup>th</sup> to 20<sup>th</sup> August 2016.
3. Two days Faculty development programme on VLSI Design advancement using XILINX Tools, 26<sup>th</sup> to 27<sup>th</sup> August 2016.
4. Faculty development programme on Amazon Web services, 16<sup>th</sup> to 17<sup>th</sup> September 2016.

5. Two days Faculty development programme on Digital image processing pattern recognition and its application, 19<sup>th</sup> to 20<sup>th</sup> September 2016.
6. Two days Faculty development programme on Composite materials characterization and its application, 19<sup>th</sup> to 20<sup>th</sup> September 2016.
7. Two days Faculty development programme on Smart grid technology adoption in power utilities and integrating the latest IT-OT Integration trends, 23<sup>rd</sup> to 24<sup>th</sup> September 2016.
8. Faculty development programme on Internet of things (IOT), 06<sup>th</sup> to 10<sup>th</sup> March 2017.

#### **Membership – Professional societies:**

- a) Fellow of Institutional of Engineers, INDIA (No. F/109400/5 010/MC)
- b) Holds Chartered Engineer (INDIA) Certificate
- c) Life member of Indian Society for Technical Education (I.S.T.E) – LM 3122

#### **Seminars / Training Programmes / Workshops/ Conferences Attended:**

S.No.	Name of the Course	Duration	Dates
1.	Non-Conventional energy systems	2 Days	20-21 March 1989
2.	I.S.T.E. summer school on Friction and wear behavior of powder metallurgy materials.	2 Weeks	8-20 May 1989
3.	Latest Techniques on Instrumentation on mechanical	2 Days	24-25 January 1990

	Measurements		
4.	U.G.C. Refresher Course in Mechanical Measurements	4 Weeks	4-30 July 1994
5.	I.S.T.E. Inter-Disciplinary Summer School on C-Language.	4 Weeks	1-30 August 1994
6.	I.S.T.E. Winter School on Programming in C++ and data Structures.	4 Weeks	31 December to 29 January 1988
7.	I.S.T.E. Summer School on Numerical Methods with C for Scientists and Engineering	4 Weeks	26 March - 24 April 1999
8.	I.S.T.E. Summer school on Inter .Net & JAVA	4 Weeks	9 August – 8 September 2000
9.	“Educators for 21 <sup>st</sup> Century Engineers” organized at IIT Hyderabad.	2 days	February 27-28, 2015.
10.	“ Awareness on Washington Accord for Outcome Based Education” organized at JNTUA Anantapur.	1 day	4 <sup>th</sup> August 2015.
11.	“ 3 <sup>rd</sup> World summit on Accreditation” Organized by National Board of Accreditation, at The Leela Ambience Hotel, Gurgaon (Delhi NCR).	3 Days	March 18 <sup>th</sup> – 20 <sup>th</sup> , 2016.

### Visits abroad :

Visited National University of Singapore, Singapore to attend to Temasek Foundation – NUS programme for Leadership in University Management during 23- 25 Sept. 2014.

**Declaration:**

I hereby declare that the information furnished above is true to the best of knowledge

**Dr. K. Govinda Rajulu**

Date: 22-01-2019  
Anantapur.