

# Curriculum Vitae



Name : Dr. K. BALA PRASD,  
Date of Birth : 13-08-1966  
Designation : Professor  
Department : Mechanical Engineering  
Name of Institution : R.V.R. & J.C. College of Engineering  
Field of Specialization : Thermal Sciences  
Contact details : [prasad.katuru1966@gmail.com](mailto:prasad.katuru1966@gmail.com)  
+91-9912778769

## **ORCID ID:**

<https://orcid.org/0000-0003-2200-0629>

## **SCOPUS ID:**

<https://www.scopus.com/authid/detail.uri?authorId=57203505104>

## **GOOGLE SCHOLAR ID:**

<https://scholar.google.co.in/citations?user=FsVDlccAAAAJ&hl=en>

## **WEB OF SCIENCE ID:**

<https://www.webofscience.com/wos/author/record/2992624>

## **VIDWAN ID:**

<https://vidwan.inflibnet.ac.in/profile/183672>

## **RESEARCH GATE ID:**

<https://www.researchgate.net/profile/Bala-Katuru>

## **ACADEMIC QUALIFICATIONS:**

Sl.No.	Degree	University/ Institution	Division/ Equivalent	Year of Passing	Specialization
1	B. Tech	Nagarjuna University	First Class	1989	Mechanical Engineering
2	M.Tech	REC Calicut, (NIT Calicut)	First Class	1992	Thermal Sciences
3	Ph.D.	Andhra University	--	2017	Gas Turbine Blade Cooling

**Total Experience:** 32 years

- 2 years in Software field, USA
- 29 years in Teaching, India.

## **DETAILS OF TEACHING EXPERIENCE:**

S. No.	Universities/College	Designation	Period
1	RVR&JCCE/ ANU	Professor	01-07-2022 to till date
2	RVR&JCCE/ ANU	Associate Professor	30-08-2011 to 31-06-2022
3	LBRCE/ MYLAVARM	Associate Professor	15-06-2009 to 29-08-2011
4	Svaptech Systems Inc, Florida, USA	Programmer Analyst	Feb '07 - Jan '09
5	RVR&JCCE/ ANU	Assistant Professor	June '05 - May '06
6	RVR&JCCE/ ANU	Sr Lecturer	Nov '99 - May '05
7	RVR&JCCE/ ANU	Lecturer	Aug '92 - Oct '99

**AREAS OF INTEREST:**

Gas Turbine Blade Cooling, Combined cycle power plants, Alternative fuels, Alternative refrigerants, Energy & Exergy analyses

**Publications:**

International Journals	National Journals	International Conferences	National Conferences	TOTAL
16	0	3	2	21

### **Duties discharged other than teaching:**

1. Thermal Lab In-Charge
2. Industrial Tours In-Charge
3. Faculty advisor for SAE student activities in the college
4. Instrumental in developing T.E. Lab
5. Member of ISTE Chapter and Yoga Club
6. Class In-Charge

### **Developmental Activities:**

1. Actively participated in preparations for getting NAAC accreditation to RVR&JCCE, Guntur during 2020
2. Actively participated in preparations for getting NBA accreditation to RVR&JCCE, Guntur during 2017
3. Faculty advisor for students SAE activities since 2012
4. Actively participated in preparations for getting NAAC accreditation to RVR& JCCE, Guntur during 2017
5. Accompanied the students during various SAE competitions like E Baha, Electric vehicle, Hybrid vehicles as a Faculty advisor.
6. Actively participated in preparations for getting NBA accreditation to RVR&JCCE, Guntur during 2012
7. Actively participated in the preparations for getting AUTONOMOUS status to LBRCE, Mylavaram during July, 2010
8. Developed Automobile Transmission & Steering system setup in Thermal Engineering Lab, Mechanical Engg., Department, LBRCE, Mylavaram.
9. Actively participated in preparations for getting NBA accreditation to RVR&JCCE, Guntur during 1998 & 2002
10. Assisted in Design and Fabrication of Heat Transfer Equipment in I.C. Engines Lab under the esteemed guidance of Prof. K. Pameswara Rao at Mechanical Engg., Department, RVR &JCCE, Guntur.
11. Assisted in Designing and Fabrication of VCR Engine in I.C. Engines Lab under the esteemed guidance of Prof. K. Pameswara Rao. at Mechanical Engg., Department, RVR &JCCE, Guntur.
12. Acted as a Faculty advisor for design and fabrication of Hybrid Vehicle for Hybrid vehicle challenge-(**HVC2017**) competition organized by Imperial Society of Innovative Engineer at Noida, New Delhi. In this competition, our vehicle secured Third position in all over India.

### **SUBJECTS HANDLED:**

**UG Level.:**

Thermodynamics - I, II & III, Basic Thermodynamics, Applied Thermodynamics, I.C. Engines & Gas turbines, Heat Transfer, Refrigeration & Air Conditioning. Engineering Graphics, Fluid Mechanics, Hydraulic Machines, Strength of Materials and Mechanical Engineering, Fluid Mechanics and Hydraulic Machines, Elements of Mechanical Engineering, Automobile Engineering, Power Plant Engineering, Energy Resource Utilization, Applied Mechanics and Mechanical Engineering, Engineering Drawing, Elements of Aerospace Engineering

**PG Level.:**

Advanced Heat & Mass Transfer, Design of Heat Transfer Equipment, Global Transport Economics.

**Patents:**

S. No	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/Country	Status
1.	FC Lawn Mover	Dr. K. Ravindra, Dr. Kolla Srinivas, Dr. D. V. V. K. Prasad, Dr. V. C. Das, Dr. G. Srinivasa Rao, Dr. C. Srinivas, Dr. N. V. V. S. Sudheer, Dr. B. Ramgopal Reddy, Dr. K. Bala Prasad, Dr. G. Chaitanya	202041050680	Filed: NOV-2020 Published: DEC-2020	India	Filed. Waiting for Grant.
2.	Design and Fabrication of Tread Mill Bicycle	Dr. V. Dhana Raju, Dr. M.B.S. Sreekara Reddy, Dr. J.Subba Reddy, S. Pichi Reddy Jayashri N. Nair, Harish Venu, S. Rami Reddy, K. Viswanadh, Dr. K. Bala Prasad, R. Anjaneyulu Naik	202141051863A	Publication date: 26/11/2021	India	Filed. Waiting for Grant

**PAPER PRESENTATIONS IN CONFERENCES AND JOURNALS**

<b><i>INTERNATIONAL JOURNALS</i></b>	
<b>2022-23</b>	
1.	Mohammad Hasheer Shaik, Srinivas Kolla, Bala Prasad Katuru, Yellapragada Naga Venkata Sairam(2023). Theoretical investigation of low GWP refrigerant mixtures as an alternative to R-134a in a domestic refrigerator. Sigma Journal of Engineering and Natural Sciences, Vol.41, No.5, pp.969-979, October, 2023. DOI:10.14744/sigma.2023.00115 <b>(WEB OF SCIENCES)</b>
2.	Gollamudi, S., Kommineni, R., Vadlamudi, T.C., Katuru, B.P. (2023). Investigation of regenerative gas turbine performance under the influence of dynamic atmospheric conditions in India using energy and exergy analysis. International Journal of Heat and Technology, Vol. 41, No. 2, pp. 369-375. <a href="https://doi.org/10.18280/ijht.410210">https://doi.org/10.18280/ijht.410210</a> <b>(WEB OF SCIENCES)</b>
<b>2021-22</b>	
1.	Mohammad Hasheer Shaik, Srinivas Kolla, Tara Chand Vadlamudi, Bala Prasad Katuru, Ravindra Kommineni, “Thermodynamic Analysis of Eco-Friendly Refrigerant Mixtures as an Alternative to HFC-134a in Household Refrigerator” International Journal of Heat and Technology, Vol.39, October 2021, pp.1567-1574. <b>(WEB OF SCIENCES, ESCI INDEXED, Scopus)</b>
2.	Shaik Mohammad Hasheer, Kolla Srinivas, Prasad Katuru Bala, “Energy Analysis of HFC- 152A, HFO-1234YF And HFC/HFO Mixtures as a Direct Substitute to HFC-134A in a Domestic Refrigerator”, Strojnicky Casopis Journal of Mechanical Engineering, Vol 71(2021), No.1, 107-120.DOI: 10.2478/scjme- 2021-0009, Print ISSN 0039-2472, On-line ISSN 2450-5471; <b>(SCOPUS INDEXED)</b>
<b>2020-21</b>	
1.	Katuru Bala Prasad, Vallapudi Dhana Raju, Areef Ahamad Shaik, Radha Krishna Gopidesi, Mule Bala Satya Sreekara Reddy, Manzoore Elahi M Soudagar & Muhammad Abbas Mujtaba, “Impact of injection timings and exhaust gas recirculation rates on the characteristics of diesel engine operated with neat tamarind biodiesel” Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, <a href="https://doi.org/10.1080/15567036.2021.1924314">https://doi.org/10.1080/15567036.2021.1924314</a> (30th June 2021) <b>(SCI INDEXED)</b>
2.	Katuru Bala Prasad, Oliva Meduri, Vallapudi Dhana Raju, Aruna Kumari Azmeera, Harish Venu, Lingesan Subramani & Manzoore Elahi M. Soudagar, “Effect of split fuel injection strategies on the diverse characteristics of CRDI diesel engine operated with tamarind biodiesel” Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, <a href="https://doi.org/10.1080/15567036.2020.1856973">https://doi.org/10.1080/15567036.2020.1856973</a> (23rd Dec 2020) <b>(SCI INDEXED)</b>

3.	Mohammad Hasheer Shaik, Srinivas Kolla & Bala Prasad Katuru, "Exergy and energy analysis of low GWP refrigerants in the perspective of replacement of HFC-134a in a home refrigerator", International Journal of Ambient Energy, <a href="https://doi.org/10.1080/01430750.2020.1730960">https://doi.org/10.1080/01430750.2020.1730960</a> (04th Mar2020) <b>(SCOPUS INDEXED)</b>
4.	Tara Chand Vadlamudi, Ravindra Kommineni & Bala Prasad Katuru, "Exploration of turbine blade cooling strategies for performance boosting and CO2 emissions reduction of combined cycle with steam injection based gas turbine", International Journal of Ambient Energy, <a href="https://doi.org/10.1080/01430750.2020.1730956">https://doi.org/10.1080/01430750.2020.1730956</a> (24th Feb 2020) <b>(SCOPUS INDEXED)</b>
5.	Tara Chand Vadlamudi, Ravindra Kommineni & Bala Prasad Katuru, "Performance augmentation of combined cycle power plant under the control of different open loop cooling techniques to the gas turbine blades", International Journal of Ambient Energy, <a href="https://doi.org/10.1080/01430750.2020.1712249">https://doi.org/10.1080/01430750.2020.1712249</a> (14th Jan 2020) <b>(SCOPUS INDEXED)</b>
<b>2019-20</b>	
1.	D.L.S.V.N. Swamy, Y. Kowsik, V. Dhana Raju, Harish Venu, L. Subramani & K. Bala Prasad. r, "Effect of 1-butanol on the characteristics of diesel engine powered with novel tamarind biodiesel for the future sustainable energy source" Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, <a href="https://doi.org/10.1080/15567036.2019.1675810">https://doi.org/10.1080/15567036.2019.1675810</a> (19th Oct 2019) <b>(SCI INDEXED)</b>
<b>2018-19</b>	
1.	T.C. Vadlamudi, R. Kommineni, B.P. Katuru and N.K.N. Injeti, "Influence of Different Steam Cooling Techniques for High Pressure Turbine Blades on the Performance of Gas turbine", Iranian Journal of Energy & Environment 9(3): 168-175, 2018, ISSN:2079-2115., doi:10.5829/ijee.2018.09.03.03 (24th Aug 2018)
2.	Tara Chand Vadlamudi, Ravindra Kommineni & Bala Prasad Katuru, "Exergy assessment of air film blade cooled combined power cycle plant", International Journal of Ambient Energy, <a href="https://doi.org/10.1080/01430750.2018.1501740">https://doi.org/10.1080/01430750.2018.1501740</a> (30th July 2018) <b>(SCOPUS INDEXED)</b>
<b>2016-17</b>	
1.	K. Bala Prasad, V.Tara Chande, I.N. Niranjana Kumar, K. Ravindra and V. Naga Bhushana Rao," Thermodynamic Analysis of Air Cooled Gas Turbine used in Marine Applications", International Journal of Thermal Technologies, Vol.6.No.1, <a href="http://inpressco.com/category/ijtt/">http://inpressco.com/category/ijtt/</a> E-ISSN 2277-4114 (31st March 2016)
<b>2014-15</b>	

1.	V. Naga Bhushana Rao, I.N. Niranjana Kumar, K. Bala Prasad, N. Madhulata, Naresh Gurajrapu, “ Failure mechanisms in turbine blades of a gas turbine Engine- an overview” International Journal of Engineering Research and Development Vo.10, Issue 8 (Aug 2014), PP.48-57 e-ISSN: 2278-067X, p-ISSN: 2278-00X, www.ijerd.com
2.	K. Bala Prasad, V. Tara Chand, V. Naga Bhushana Rao, “Experimental Investigation on Performance of Diesel Engine by using fish Oil and Mahua oil” Journal of Sustainable Manufacturing and Renewable Energy, Vol.3, Issue ½, Nova Science Publishers, Inc.
	<b>2013-14</b>
1.	V. Naga Bhushana Rao, I.N. Niranjana Kumar, K. Bala Prasad, “ Failure analysis of gas turbine blades in a gas turbine engine used for marine applications” International Journal of Engineering Science and Technology, Vol.6, No.1 (2014), PP.43-48 doi:http://dx.doi.org/10.4314/ijest.v6il.5 (Oct 2013)

## **PAPERS PUBLISHED IN CONFERENCES**

### ***INTERNATIONAL CONFERENCES***

1. E.Rama Krishna Reddy, K. Surendra Babu, V. Dhana Raju and K. Bala Prasad, “ Mitigation of NOx emissions with application of exhaust gas recirculation on diesel engine fuelled with diesel –corn seed oil biodiesel blend” International Conference on Recent Advances on Materials, Manufacturing & Energy systems (**ICRAMMES-2019**), VRSEC, VJA, 3-4 Jan’2019.
2. K. Bala Prasad, V. Tara Chand, V. Nagabhushana Rao, “Experimental Investigation on Performance of Diesel Engine by Using Fish Oil and Mahua oil” at ICIMPACT conducted by MANIT, Bhopal during Nov 27-29, 2014.
3. K. Bala Prasad, Dr. S. Kolla, Dr. K.V.J. Rao, Dr. K.N.Rao, “Expert system approach for Optimization of Gas Turbine stage using Artificial Neural Network” 14<sup>th</sup> ISME International Conference on “Mechanical Engineering in Knowledge Age” 12-14 December 2005, Delhi College of Engineering, Delhi.

### ***NATIONAL CONFERENCES***

1. K. Sridhar, K. Bala Prasad, “Graphical User Interface System for Production Control Using Line of Balance Technique”, National conference on Recent Advances in Computer Aided Manufacturing (RACE’06) April 15-16, 2006 at University College of Engineering, O.U, Hyderabad.

2. K. Sridhar, K. Bala Prasad, "Simulation Based Modelling for Real Time Scheduling in A Flexible Manufacturing System", National conference on Recent Advances in Computer Aided Manufacturing (RACE'06) April 15-16, 2006 at University College of Engineering, O.U, Hyderabad.

List of Short-term Courses/FDPs participated:

1	Dr. KATURU BALA PRASAD, Professor, of Mechanical engineering department, R.V.R. & J.C. COLLEGE OF ENGINEERING has actively participated and successfully completed AICTE Training and Learning(ATAL) Academy Faculty Development Program on Sustainable energy systems and applications at Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada during 11-12-2023 to 16-12-2023.
2	Dr. KATURU BALA PRASAD, Professor, of Mechanical engineering department, R.V.R. & J.C. COLLEGE OF ENGINEERING has actively participated and successfully completed the requirements for one week development program on "THE NEW PRODUCT DEVELOPMENT PROCESS" during 13-11- 2023 to 18-11-2023, through online mode, organized by Andhra Pradesh State Skill Development Corporation(APSSDC), Government of Andhra Pradesh.
3	Dr. KATURU BALA PRASAD, Professor, of Mechanical engineering department, R.V.R. & J.C. COLLEGE OF ENGINEERING has participated in a one week faculty development program on "Innovations in Mechanical Engineering" during 26-12-2022 to 30-12-2022, through online mode, organized by the Department of Mechanical Engineering, Vasireddy Venkatadri Institute of Technology, Nambur.
4	Dr.K.Balaprasad, Professor , of Mechanical engineering department, RVR and JC college of Engineering has participated in one week FDP on "HYBRID ELECTRIC VEHICLES " Jointly organized by the Departments of Mechanical Engineering of GMR Institute of Technology, Rajam and Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada during 21st -25th November 2022.
5	Dr. K.Bala Prasad, Professor, of Mechanical engineering department, RVR and JC college of Engineering has participated in the five day online FDP on "Thermal Science and Materials Engineering" organized by the Department of Mechanical Engineering, Srinivasa Ramanujan Institute of Technology, Ananthapuram from 07-11 November 2022.
6	Dr. Katuru Bala Prasad Professor , of Mechanical engineering department, Rvr and JC college of Engineering has actively participated in the One Week Online FDP on "Advancements in Thermal and Renewable Energy Technologies (ATRET-2022)" organized by the Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna (Dt.), Andhra Pradesh, India organized from 04/07/2022 to 09/07/2022



7	Dr BALA PRASAD KATURU, Professor, Mechanical Engineering Department, RVR & JC College of Engineering, has completed in One week National level Intercollegiate Online Faculty Development Program on Outcome Based Education & Bloom's Taxonomy organised by the Internal Quality Assurance Cell of Ramakrishna Mission Vivekananda Centenary College (Autonomous), Kolkata in association with ipsr solutions limited during 08 November 2021 to 15 November 2021.
8	Dr. Katuru Bala Prasad has actively participated in the Distinguished lecture entitled "Cold Storage Design Basics" conducted by ISHRAE, Madurai chapter, on 30-07-2021.
9	Dr. K. Bala Prasad, Associate Professor of RVR & JC COLLEGE OF ENGINEERING has participated in the 5-Day FDP on "Fuel-powered, Hybrid Electric and Modern Vehicles" organized by the Department of Automobile Engineering, VNRVJIET, Hyderabad, during 19-24 July 2021.
10	Dr. Katuru Bala Prasad Professor, of the Mechanical Engineering Department, Rvr and JC College of Engineering has actively participated in the One Week Online FDP on "Emerging Trends in Thermal and Renewable Energy Systems" organized by the Department of Mechanical Engineering, LBRCE, Mylavaram, from 28-06-2021 to 02- 07-2021.
11	Dr. K. Bala Prasad, Associate Professor of RVR & JC COLLEGE OF ENGINEERING participated in AICTE sponsored Two Week Online Faculty Development Program(Phase-I) on "RENEWAL ENERGY INTERVENTION IN INDUSTRY, COMMERCIAL AND DOMESTIC APPLICATIONS" organized by Department of Mechanical Engineering, Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal during 15 <sup>th</sup> February to 27 <sup>th</sup> February 2021.
12	Dr. KATURU BALA PRASAD has participated in Three Day Faculty Development Programme on "Advances in Composite Materials and their Applications" organized by the Department of Mechanical Engineering, CMR Institute of Technology from 25 <sup>th</sup> to 30 <sup>th</sup> January 2021.
13	Dr. Katuru Bala Prasad has successfully completed AICTE sponsored a one week online short-term training program on "INNOVATIVE TEACHING & LEARNING METHODS FOR INSPIRING STUDENTS" (ITLMIS-OCT2020) organized by Dept. of ECE, Sagi Rama Krishnam Raju Engineering College(A), Bhimavaram during 12 <sup>th</sup> to 17 <sup>th</sup> Oct 2020.
14	Dr. K. Bala Prasad has attended 5-day online Faculty Development Program on "Recent Advances in Thermal Engineering (RATE-2020)" Organized by Department of Mechanical Engineering, HITAM, Hyderabad, held during 22 <sup>nd</sup> to 26 <sup>th</sup> September 2020.
15	Dr. Katuru Bala Prasad has participated in the One Week Short Term Course on "Recent Trends in Advanced Materials and Devices" organized by Department of Physics and Department of Electronics & Communication Engineering, Dr B R Ambedkar National Institute of Technology Jalandhar held during September 21, 2020 to September 25, 2020.

16	Dr. K. Bala Prasad has attended online Faculty Development Program on “Green Energy for Sustainable Development Indian Centric Approach” jointly organized by Department of Mechanical Engineering Bheemanna Kandre Institute of Technology, Bhalki, School of Engineering Central University of Karnataka, Kalaburagi and Green Club, Kalaburagi from 10-08-2020 to 14-08-2020.
17	Dr. Katuru Bala Prasad has actively participated the Two Days Online Workshop on "Prospects of Bio Fuels as an Alternative to Fossil Fuels for Future Automobiles" organized by the Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna (Dt.), Andhra Pradesh, India conducted from 10/08/2020 to 11/08/2020.
18	Dr. KATURU BALA PRASAD has actively participated in a one-week online faculty development program on “RECENT DEVELOPMENTS IN MECHANICAL ENGINEERING (RDME-2020)” organized by the Department of Mechanical Engineering, KITS WARANGAL held from 7 th to 11th July, 2020.
19	Dr. K. Bala Prasad has successfully completed One Week Online Faculty Development Program “Effective Design and Delivery of Curriculum in Outcome Based Education” organized by the Department of Business Administration, JIT, Nagpur from 6 <sup>th</sup> to 10 <sup>th</sup> July 2020.
20	Dr. K. Bala Prasad has participated in a Seven Day Faculty Development Program on “Advancements in Mechanical Engineering”, conducted by GATES Institute of Technology, Ananthapuramu from 04-07-2020 to 10-07-2020.
21	Completed the short-term training program through ICT mode on “Advanced Process Control and Instrumentation System” organized by NITTTR, Kolkata during 07-01-2019 to 11-01-2019.
22	Presented a paper titled “Mitigation of NOx emissions with application of exhaust gas recirculation on diesel engine fueled with Diesel-Corn seed oil Bio-diesel blend” in the International Conference on Recent Advances in Materials, Manufacturing and Energy Systems, conducted by Depart. Of Mechanical Engineering, V.R.S.E.C, Vijayawada, during 3 <sup>rd</sup> and 4 <sup>th</sup> January, 2019.
23	Completed the One Week AICTE-ISTE Sponsored Induction/Refresher Program on “Research Methodology, Design and Analysis of Experiments” conducted by Mech. Engg. Dept, R.V.R. & J.C. College of Engineering, Guntur from 12 <sup>th</sup> to 17 <sup>th</sup> November 2018.
24	Participated in the IUCEE International Engineering Educator Pre-Certification Workshop conducted by Dr. Rio D’Souza, St. Joseph Engineering College IUCEE International Engineering Educators’ Certification Program held at Godavari Institute of Engineering and Technology, Rajahmundry during July 12-14, 2018
25	Completed successfully C2CWC1XA18: “Workplace communication” an online course, under the ‘College to Corporate’ program, conducted during 04-10-2018 to 12-11-2018 course offered by IIT Bombay X, an online learning initiative of Indian Institute of Technology Bombay.
26	Completed successfully C2CWC1XA18: “Effective use of IT for Professional Activities” an online course, under the ‘College to Corporate’ program, conducted during 06-09-2018 to 04-10-2018 course offered by IIT Bombay X, an online learning initiative of Indian Institute of Technology Bombay

27	Completed successfully C2CWC1XA18: "Soft Skills" an online course, under the 'College to Corporate' program, conducted from 04-10-2018 to 12-11-2018 course offered by IIT Bombay X, an online learning initiative of Indian Institute of Technology Bombay
28	Completed the Massive Open Online Course on 'Life Skills for Engineers (Level I)' offered jointly by the Commonwealth Educational Media Centre for Asia (CEMCA) and University of Hyderabad (UOH) during 15-05-2018-28-06-2018
29	Participated in a short-term course on "Internal Combustion Engines" under the Quality Improvement Program of AICTE, New Delhi conducted by Centre for Continuing Education, Indian Institute of Science, Bengaluru, on 27-09-2017-01-12-2017.
30	Participated in AICTE sponsored Two Week Faculty Development Program on "Innovations in Renewable Energy Harvesting and Environment-Friendly Process Technologies for Sustainable Development" conducted by the Department of Chemical Engineering, R.V.R. & J.C. College of Engineering, Guntur during 23-10-2017 – 04-11-2017.
31	Participated in AICTE-approved Faculty Development Programme(FDP201x) on 'Pedagogy for Online and Blended Teaching-Learning Process' conducted by Indian Institute of Technology, Bombay from 14-09-2017 – 12-10-2017.
32	Participated in AICTE-approved Faculty Development Programme(FDP101x) on 'Foundation Program in ICT for Education' conducted by Indian Institute of Technology, Bombay from 03-08-2017 – 07-09-2017.
33	Participated in AICTE recognized short-term course on 'Optimization using MATLAB' through ICT, conducted by Mech Engg., Department, R.V.R. & J.C. College of Engineering, Guntur during 17-07-2017 – 21-07-2017.
34	Participated as Faculty advisor in HVC competition held at Noida, in 2017
	Attended FDP program on "Finite Element Analysis and CFD using ANSYS" at LBRCE, Mylavaram during 8 <sup>th</sup> -10 <sup>th</sup> Dec' 16.
35	Participated in National work shop at NIT, Warangal, 2014.
36	Participated as Faculty advisor for E-Baja contest at Jhamshepur, 2012.
37	Participated in workshop on Nanotechnology at R.V.R JCCE, 2012
38	"Research Methods and tools for Mechanical Engineering faculty" Faculty Development Program conducted by Bannari Amman Institute of Engineering and Technology, Sathyamangalam, during 31 <sup>st</sup> May-11 <sup>th</sup> June, 2012.
39	Attended Faculty advisors meeting at Nagpur "Green Energy Systems" a 5-day National workshop under FLI, IUCEE program organized by Department of Electrical Engineering, LBRCE, Mylavaram during 8 <sup>th</sup> - 12 <sup>th</sup> August 2011.
40	"Ship, Offshore and Port Structures" a 3-day National workshop organized by Department of Marine Engg., AU, during 28 <sup>th</sup> -30 <sup>th</sup> March' 11.
41	"Computational Fluid Dynamics" A one day work shop organized by Department of Mechanical Engg., LBRCE, Mylavaram on 18-03-2011.
42	"Mechanical & Marine Systems Design" A Three-day work shop and conference conducted by Department of Marine Engineering, Andhra University, Visakhapatnam during 28 <sup>th</sup> – 30 <sup>th</sup> Oct, 2010.
43	"Security Issues in Web Technologies", one day work shop organized by LBRCE, Mylavaram on 20 <sup>th</sup> Sept, 2010.
44	IUCEE-FLI program on "C-16 Sustainable Energy" conducted by LBRCE, Mylavaram during 5 <sup>th</sup> - 9 <sup>th</sup> July, 2010.

45	“Research Methods and tools for Mechanical Engineering faculty” Faculty Development Program conducted by Bannari Amman Institute of Engineering and Technology, Sathyamangalam, during 31 <sup>st</sup> May-11 <sup>th</sup> June, 2010.
47	“Instruments, Measurements and Experiments in Fluids” Short term Course conducted by LBRCE, Mylavaram during 12 <sup>th</sup> – 14 <sup>th</sup> Dec, 2009.
48	“Network Programming” Professional Development Workshop conducted by LBRCE, Mylavaram on 31 <sup>st</sup> Oct, 2009.
49	“Recent Advances in Computer Aided Engineering (RACE '06) conducted by University College of Engineering, O.U., Hyd. during 15 <sup>th</sup> -16 <sup>th</sup> April, 2006.
50	“Thermodynamics” a One-week short term training program conducted by Vellore Institute of Technology, Vellore during 22 <sup>nd</sup> - 27 <sup>th</sup> Nov, 2004.
51	“Finite Element Method” a Two-day program conducted by R.V.R & J.C.C.E., Guntur during 5 <sup>th</sup> - 6 <sup>th</sup> Oct, 2001.
52	“Concepts & Practice of Computer Aided Design & Manufacture” an ISTE Programme conducted by BIET, Davanagere during 20 <sup>th</sup> - 31 <sup>st</sup> Aug, 2001.
53	“System Modeling and Simulation” an ISTE program conducted by SLIET, Longowal during 16 <sup>th</sup> - 27 <sup>th</sup> July, 2001.
54	“Productivity Challenges of 21 <sup>st</sup> Century” a two-day program being conducted by R.V.R & J.C.C.E., Guntur from 27 <sup>th</sup> - 28 <sup>th</sup> Aug, 1998.
55	“Induction Training Course” of AICTE Organized by Academic Staff College, Visakhapatnam during 10 <sup>th</sup> - 29 <sup>th</sup> June, 1996.
56	ISTE course on “Motor Vehicle Emissions Regulation Test Cycles and Control Methods” organized by ISTE Chapter, IIT, Madras during 15 <sup>th</sup> - 26 <sup>th</sup> June, 1995.
57	ISTE course on “Induction Training for Teachers” organized by ISTE Chapter, R.V.R & J.C.C.E, Guntur during 20 <sup>th</sup> - 22 <sup>nd</sup> Apr, 1995.

### **CERTIFICATION COURSES COMPLETED:**

- Completed NPTEL Online Certification (8 week) course during ‘July- Sep’ 17, on ‘**Refrigeration and Air-Conditioning**’ conducted by IIT Roorkee and stood as **Topper 2%** with a consolidated score of 90%
- Completed NPTEL Online Certification (8 week) course during ‘Feb- Mar’ 18, on ‘**Steam and Gas Power Systems**’ conducted by IIT Roorkee and stood as **Topper 5%** with a consolidated scope of 74%.
- Completed NPTEL Online Certification (8 week) course during ‘Feb- Mar’ 18, on ‘**Engineering Thermodynamics**’ Conducted by IIT Kanpur and got a consolidated score of 76%
- Completed an AICTE approved Faculty Development Programme (FDP101x) on “**Foundation Program in ICT for Education**” conducted by Indian Institute of Technology Bombay from 13<sup>th</sup> Sept to 18<sup>th</sup> Oct 2018.
- Completed an AICTE-approved Faculty Development Programme (FDP201x) on “**Pedagogy for Online and Blended Teaching-Learning Process**” conducted by the Indian Institute of Technology Bombay from Oct 30 to Dec 13, 2018.
- Completed Certification course on “**3D Experience –Platform Explorer**” at the level of Associate Conducted by Dassault Systems Company, Pune during Jan 25, 2020.
- Completed Certification course on “**Effective and Efficient Online Teaching in the Age of Corona A Hands On Workshop**” (both pre and post workshop online

activities, involving 3 days of video lectures and hands-on work) during may 23,2020.

Membership /Fellowship of Academic bodies and Professional Societies:

1. Member of Board of Studies at R.V.R& J.C. College of Engineering (Autonomous),Guntur, for Mechanical Engineering Course

**MEMBERSHIPS**

<b><i>PROFESSIONAL SOCIETIES</i></b>	<b><i>MEMBERSHIP NUMBER</i></b>
Member of International Association of Engineers ( <b>IAENG</b> )	128912
Life Member of Indian Society for Technical Education ( <b>ISTE</b> )	14370

**OTHER DUTIES INVOLVED:**

1. Convener for Food safety and standardization committee
2. Member in Social equality committee
3. Member in Career guidance and counselling committee

**Dr. K. Bala Prasad**