

## D K PAVAN KUMAR

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### RESIDENTIAL ADDRESS:

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**ACADEMIC QUALIFICATIONS :** M.Sc.,(Ph.D.)

### PROFESSIONAL EXPERIENCE :

Designation	Institution	Period
Sr. Gr. Asst. Professor	Gudlavalleru Engineering College, Gudlavalleru	21.09.2009 To Till Date
Asst. Professor	Gudlavalleru Engineering College, Gudlavalleru	23.08.2002 To 20.09.2009

### PROJECTS GUIDED:

PhD	Post Graduation	Under Graduation
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**SPECIALIZATION :** Special functions & Graph Theory

**RESEARCH PAPERS / BOOKS :** 04 Scopus

## RECENT PUBLICATIONS/CONFERENCES:

International / National Journals	International / National Conferences
05	10

### Recent Publications :

1. D. K. Pavan Kumar, Fredric Ayant, Y. Pragathi Kumar, N. Srimannarayana and B. Satyanarayana, "Multiple summation formulae for the modified multivariable I-function", J. Computational Analysis and Applications, ISSN 1521-1398, Vol. 30 (1) (January, 2022), pp. 165 – 175. [Scopus indexed Journal]
2. N. Srimannarayana, Fredric Ayant, Y. Pragathi Kumar, D.K. Pavan Kumar and B. Satyanarayana, "Multiple eulerian integrals with modified multivariable I-function having general arguments", Journal of Interdisciplinary Mathematics ISSN 0972-0502, Taru Publications, Vol. 26 (1) (January, 2023), pp. 77 – 94. [Scopus indexed Journal]
3. B. Satyanarayana, D. K. Pavan Kumar, Y. Pragathi Kumar and N. Srimannarayana, "Multiple integrals involving Pragathi-Satyanarayana's I-function, generalized gamma and generalized hypergeometric functions", Communications on Applied Nonlinear Analysis (CANA) ISSN: 1074-133X, Vol 31 No. 2s (2024), pp. 687-695. [Scopus indexed Journal]
4. B. Satyanarayana, D. K. Pavan Kumar, Y. Pragathi Kumar and N. Srimannarayana, "Integral transforms of PSI-function" [accepted for publication in Communications in Mathematics and Applications (CMA). [ESCI Journal]
5. B. Satyanarayana, D. K. Pavan Kumar, Y. Pragathi Kumar and N. Srimannarayana, "Solution of a boundary value problem involving general class of polynomial, struve's function and pragathi-satyanarayana's I-function of one variable", Communications on Applied Nonlinear Analysis (CANA) ISSN: 1074-133X, Vol 31 No. 7s (2024), pp. 649-659. [Scopus indexed Journal]

### **Papers Presented :**

1. Presented a paper on "Solutions of a boundary value problem involving general class of polynomials, Struve's function and Pragathi-Satyanarayan's I – function" in the International Conference conducted by RASTEMS – 2023, Coimbatore, during 06 – 08 – October 2023.
2. Presented a paper on "Integral Transforms Involving the product of General class of Polynomials, Struve's function and PSI-function of one variable" in the International Conference conducted by the Dept. of Mathematics, Acharya Nagarjuna University, Guntur, during 17 – 18 March, 2023.
3. Presented a paper on "Integral Transforms of PSI-function of one variable" in the International Conference conducted by the Dept. of Mathematics, KL University, Vaddeswaram, during 09 – 10 December, 2022
4. Presented a paper on " An application of Mathematical cryptography to electronic resumes" at National conference conducted by department of Mathematics of Osmania University during March 30 – 31, 2010.

5. Presented a paper on “Solutions for optimized problems in Graph theory using integer programming” at international conference conducted by Amrita School of Engineering, Coimbatore during December 11- 13, 2008.

#### **LIST OF WORKSHOPS ORGANIZED:**

1. RECENT TRENDS IN MATHEMATICS APPLIED TO SCIENCE AND TECHNOLOGY at Gudlavalleru Engineering College, Gudlavalleru from 20-04-06 to 22-04-06 “MATHEMATICAL TECHNIQUES” at Gudlavalleru Engineering College, Gudlavalleru on 1-12-2007
2. 3-DAY WORKSHOP ON "SCOPE OF SCIENCES AND MATHS IN ENGINEERING" at Gudlavalleru Engineering College, Gudlavalleru from 11-08-2011 to 13-08-2011.
3. APPLICATIONS OF MATHEMATICS IN ENGINEERING at Gudlavalleru Engineering College, Gudlavalleru from 09-11-2013 to 10-11-2013
4. “OPTIMIZATION TECHNIQUES AND ITS APPLICATIONS” at Gudlavalleru Engineering College, Gudlavalleru on 13-09-2014.
5. Attended one week Faculty Development Program on “MATLAB APPLICATIONS IN MECHANICAL ENGINEERING” organized by department of Mechanical Engineering, Gudlavalleru Engineering College, Seshadri Rao Knowledge Village, Gudlavalleru – 521356, during 07<sup>th</sup> – 11<sup>th</sup> September 2015.

#### **LIST OF WORKSHOPS /SEMINARS ATTENDED:**

1. Attended “Recent Trends in Mathematics Applied to Sciences and Technology” from 20<sup>th</sup> to 22<sup>nd</sup> April 2006 organized by Gudlavalleru Engineering College, Gudlavalleru.
2. Attended Short term course on “Instructional Design and Delivery” from 30<sup>th</sup> to 08<sup>th</sup> July 2006 organized by NITTTR, Chennai.
3. Attended “Recent Advances in Mathematics Applied in Engineering” from 6<sup>th</sup> to 8<sup>th</sup> May 2007 organized by Dept.of BS&H, Swarnandhra College of Engg. & Technology, Narsapur.
4. Attended Two day workshop on “Applications of Mathematics in Engineering” from 9<sup>th</sup> to 10<sup>th</sup> November 2013 organized by Gudlavalleru Engineering College, Gudlavalleru.
5. Attended Two – Week ISTE workshop on “Signals & Systems” from 2<sup>nd</sup> to 12<sup>th</sup> January, 2014 organized by IIT, Kharagpur.
6. Attended One Day workshop on “Optimization Techniques and Its Applications” on 13<sup>th</sup> September 2014. Organized by Dept. of BS&H, Gudlavalleru Engineering College, Gudlavalleru.
7. One Day Workshop on “Fuzzy Mathematics in Engineering Control : An Example Oriented Treatise” Conducted by Gudlavalleru Engineering College, Gudlavalleru on 21st February, 2016
8. Two day workshop on ““Multivariate Analysis using R-Software” Conducted by Gudlavalleru Engineering College, Gudlavalleru on 12<sup>th</sup>& 13<sup>th</sup> November, 2016.
9. “A Five - Day workshop on R-Programming for Statistical Computations”, Part-I, organized by dept. of BS&H, Gudlavalleru Engineering College, Gudlavalleru, 24 – 25 June 2017.
10. Four day workshop on “Numerical Methods with Matlab” (Theory & Hands on Experience) organized by BS&H dept., Gudlavalleru Engineering College, Gudlavalleru, from 25–28 June 2018.

**CERTIFICATIONS:****NPTEL**

<b>Timeline</b>	<b>Course Name</b>	<b>Assignment score out of 100</b>
Jan-Mar 2020	Graph Theory	100

<b>Timeline</b>	<b>Course Name</b>	<b>Final Score out of 100</b>
Jan - Mar 2020	Graph Theory	93
Aug-Oct 2018	Introduction to Abstract and Linear Algebra	94
Aug-Sep 2018	Advanced Topics in Probability and Random Processes	78
Jul-Oct 2017	Constrained and unconstrained optimization	89
Jul-Sep 2017	Numerical methods	74
Jul-Sep 2017	Introduction to R Software	86

**COURSERA**

Jan – Mar 2019	Introduction to Programming with MATLAB	online non-credit course authorized by Vanderbilt University and offered throughCoursera
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**ONLINE WEBINARS**

**FDP**

5 - DAY FDP <b>July 13 to 17, 2020</b>	ENGINEERING OPTIMIZATION (ICTO-96)	NITTTR, CHANDIGARH
7-DAY INTERNATIONAL FDP <b><u>01-06-20 TO 07-06-20</u></b>	MATHEMATICAL MODELLING IN MULTIDISCIPLINARY DOMAIN	BANNARI AMMAN INSTITUTE OF TECHNOLOGY
5-DAY FDP 26-05-20 TO 30-05-20	MATHEMATICAL AND STATISTICAL MODELLING	GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY
3 – DAY FDP	R PROGRAMMING LANGUAGE	SKSVMA COLLEGE OF ENGINEERING & TECHNOLOGY

**INDUSTRIAL TRAINING:** -

**GUEST LECTURES DELIVERED:** -

**MEMBERSHIP IN PROFESSIONAL BODIES:** APSMS

**CONSULTANCY ACTIVITIES:** -

**GRANTS FETCHED:** -