

# RESUME

## **Mailing Address:**

**Dr. K. L. SAI PRASAD**  
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## **Experience Summary:**

I received my **Doctorate degree** in Mathematics from **Banaras Hindu University**, one of the premier most Institutions of the country **in 1996** under the supervision of Prof. B. B. Sinha and Dr. Kalpana. To date, I have put in 25 Years of Teaching Experience in India and abroad. The assignment at abroad was an Associate Professor in Eritrea Institute of Technology, Eritrea. In India, I have worked in Institutes of repute as Vellore Institute of Technology (Deemed University); Acharya Nagarjuna University P. G. Centre, Ongole; Narayana Engineering College, Nellore; GVP College of Engineering, Visakhapatnam; in various designations as a teaching Assistant (at ANU); as an Asst Professor & Head (at NEC) and as an Asst. Professor (Sr. Grade) at VIT.

At Present working as an **Associate Professor at GVP College of Engineering for Women**, and apart from regular academic duties; I have been assigned additional duties as **In-charge, Examinations** and discharging these duties to the best of my abilities and to the satisfaction of administration. Besides this, I have been also serving as **Head, Department of Basic Sciences and Humanities**.

My research interests are in Differential Geometry. More specifically the area of interest is in Differentiable structures on manifolds. I have good publications in journals of repute that have received good citations.

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Total Years of Teaching Experience	: 25 Years (For both UG and PG Students)
No. of Students Guided for Ph. D degree	: Two
No. of students presently working for Ph. D	: One
No. of papers Published	: Eighteen
No. of papers presented in conferences	: Fifteen
No. of Text Books Authored	: Four
No. of conferences Conducted	: Two-Funded by AICTE (National) Three-As a Joint Secretary (International)
No. of Sessions chaired in an International Conf	: One
No. of Ph. D. Thesis adjudicated	: One
Academic Achievements	: Stood College 2 <sup>nd</sup> (at B. Sc. Level); Merit Scholarship at P. G. Level; Got Distinction (in M. Sc.), B. H. U., Varanasi

**EDUCATIONAL DETAILS:**

S.NO	COURSE	BOARD/UNIV.	YEAR OF PASSING	% OF MARKS	DIVISION
1	Secondary School Certificate (10th class)	Board of Secondary Education, Andhra Pradesh	April'85	67.6	First
2	Intermediate (10+2 class)	Board of Intermediate Education, Andhra Pradesh.	March'87	70.7	First
3	Bachelor of Science (10+2+3 class)	Nagarjuna University, Guntur Andhra Pradesh	April'90	72.8 (Stood college 2 <sup>nd</sup> highest)	First
4	Master of Science (Mathematics)	Banaras Hindu University, Varanasi Uttar Pradesh	April'92	76.2 (Distinction)	First
5	Doctor of Philosophy	Banaras Hindu University, Varanasi Uttar Pradesh	Ph.D. degree awarded in the year 1996 (Differential Geometry of Vector Bundles)		

**TEACHING-LEARNING PROCESS (Plan of teaching):**

Teaching should be more interactive with student-friendly attitude and it is be tuned to the profile of the students. Motivating and facilitating the students towards active note-making, healthy small-group discussions, individual (or) group seminars and also encouraging them to participate in the interdisciplinary research programs. Being punctual to the class, planning the lessons properly, creating interest in the subject, asking frequent questions during lecture hours, giving a recap and summary at the end of the class, regular assignments and evaluating them are some of my professional responsibilities. My objective is to teach Mathematics in the correct perspective. My main contribution to the institutes wherever I worked is in Teaching and Learning process. I am sharing my knowledge as well as my experience with them in all possible ways and doing best to the utmost satisfaction of my students.

**PROFESSIONAL CAREER: Out of 25 Years of Teaching Experience, about Five years I handled various courses for Post Graduate students.**

Name & address of the Inst./office	Post held	Period		Total period in cadre	Regular/ Adhoc/ Univ. ratified
		From	To		
GVP College of Engg. for Women, VSKP.	<b>Associate Professor &amp; Head</b>	June '08 onwards			Regular
GVP College of Engg., VSKP.	<b>Asst. Professor (Sr. Grade)</b>	Aug'06	May'08	22 Months	<b>Ratified by J.N.T.U., Hyderabad</b>
Eritrea Institute of Technology, Eritrea, N.E. Africa	<b>Associate Professor</b>	June'05	July '06	13 Months	Contract for 2 years
Vellore Inst. of Tech., Deemed Univ., Vellore	<b>Asst. Professor (Sr. Grade)</b>	Aug'03	April'05	21 months	Regular
Narayana Engineering College, Nellore	<b>Asst. Professor &amp; HOD</b>	June'99	July'03	49 months	<b>Ratified by J.N.T.U., Hyderabad</b>
Nagarjuna University P. G. Centre, Ongole	<b>Teaching Assistant</b>	Oct'97	May'99	20 months	Adhoc
M.S.R. Jr. College, Ravinuthala	<b>Junior Lecturer</b>	June'96	Sept'97	15 months	Regular

### DETAILS OF VARIOUS COURSES HANDLED SO FAR:

Handled various courses in Mathematics for both under-graduate and graduate students (B. Sc., B.Tech., M. Tech. and M.Sc. courses).

1. Complex Analysis (for both B. Tech. and M.Sc. students).
2. Differential Equations (for both B. Tech. and M.Sc. students)
3. Discrete Mathematical Structures & Graph Theory (for B. Tech., M. Tech., and M. S. - Soft-Ware Engineering students).

### Courses handled for Post-Graduate students:

Course	Subject Handled	Semester	Year	Institution
M.Sc.(previous)	Ordinary Differential equations	1 <sup>st</sup> Year	1997 & 1998	N.U.P.G.Centre, Ongole
M.Sc.(previous)	Real Analysis	1 <sup>st</sup> Year	1997	N.U.P.G.Centre, Ongole
M.Sc.(Final)	Complex Analysis	2 <sup>nd</sup> Year	1998	N.U.P.G.Centre, Ongole
M.Tech. (C.S.)	Discrete mathematical Structures	1 <sup>st</sup> Year(1-sem)	2004	Vellore Institute of Technology, Vellore
M.S.(Soft-ware Engineering)	Graph Theory and its applications	1 <sup>st</sup> Year (1-sem)	2003&2004	Vellore Institute of Technology, Vellore

### Details of the Text Books Authored:

S. No.	Title of the Published Text Book	Total No. of Authors	Total No. of Chapters in the Book	No. of Chapters authored	Name of the Publisher with ISBN Number	Year of Publication
1.	<i>A Text Book of Engineering Mathematics-I (Semester-1)*</i>	3 <sup>rd</sup> Author among all 4 authors	SIX	SIX	UNIVERSITY SCIENCE PRESS (An Imprint of Laxmi Publications Pvt. Ltd.) ISBN:9789385750946	2017
2.	<i>A Text Book of Engineering Mathematics-II (for Semesters-1 and 2)*</i>	2 <sup>nd</sup> author among two authors	SIX	SIX	UNIVERSITY SCIENCE PRESS (An Imprint of Laxmi Publications Pvt. Ltd.) ISBN: 9789352740703	2017
3.	<i>A Text Book of Engineering Mathematics-III (Semester-2)*</i>	2 <sup>nd</sup> author among two authors	SIX	SIX	UNIVERSITY SCIENCE PRESS (An Imprint of Laxmi Publications Pvt. Ltd.) ISBN: 9789352740857	2017
4.	<i>A Text Book of Engineering Mathematics-I (For R-10 Regulations admitted students of all affiliated colleges of JNTUK-Kakinada)</i>	2 <sup>nd</sup> author among two authors	EIGHT	TWO	EXCEL PUBLISHERS, New Delhi. ISBN:9788174469878	2010

(In total authored 20 chapters)

\*For R-16 Regulations admitted students of all affiliated colleges of JNTUK-Kakinada

### Professional recognition:

- Served as a BOS member for Vignan Institute of Engineering and Technology (A).
- Team Member in Various Academic Counsels of Vellore Institute of Technology, Eritrea Institute of Technology for designing Syllabus for under-graduate Courses.
- In-charge of Examinations at GVP College of Engineering for Women: responsible for smooth conducting of all in-house examinations including of University end examinations.
- Head-Department of Basic Sciences and Humanities: Managing the Academic Curriculum and other related activities.
- Assistant Chief Examiner for conducting Term-End Examinations at Vellore Institute of Technology.
- AICTE, New Delhi has sanctioned an amount of Rs. 2.5 Lacks to conduct a 3- day National Seminar on Discrete Mathematics and its Applications for the Academic year, 2010-11.
- AICTE, New Delhi has funded an amount of Rs. 2.0 Lacks to organize one more National Seminar on Advanced Mathematical Methods and Techniques for Engineering Sciences.
- The JNTUK, Kakinada has recognized as an External Research supervisor to guide the Research scholars for both M.Phil, and Ph.D., degrees and at present, two research scholars have received their doctorate degree.

### Details of the Research papers published:

1. **K. L. Sai Prasad**, S. Sunitha Devi and G. V. S. R. Deekshitulu, On a class of Lorentzian para-Kenmotsu manifolds admitting the Weyl-projective curvature tensor of type (1, 3), Italian Journal of Pure and Applied Mathematics, 45, 2021, 990-1001.
2. S. Sunitha Devi, I. V. Venkateswara Rao and **K. L. Sai Prasad**, On a class of SP-Kenmotsu manifolds admitting quarter-symmetric Metric connection, Far East Journal of Mathematical Sciences, Far East Journal of Mathematical Sciences, 115(2), 2019, 157-169.

**Details:** UGC Approved List of Journal; Journal No: 29237; Pushpa Publishing House; ISSN: 09720871; Source: SCOPUS; (Google-based Journal Impact Factor (2018) 1.34); **API SCORE: 1.5**

3. **K. L. Sai Prasad**, S. Sunitha Devi and G. V. S. R. Deekshitulu On a Class of P-Kenmotsu Manifolds Admitting Weyl-projective curvature tensor of Type (1, 3), Turkish Journal of Analysis and Number Theory, 6(6), 2018, 155-158.
4. S. Sunitha Devi, **K. L. Sai Prasad** and G. V. S. R. Deekshitulu, On Ricci pseudo-symmetric para-Kenmotsu manifolds, New Trends in Mathematical Sciences, 6(1), 2018, 222-228.

**Details:** UGC Approved List of Journal; Journal No: 48657; Yildiz technical University; ISSN: 21475520; Source: UNIV; (Global impact and quality factor 0.654); **API SCORE: 1.5**

5. T. Satyanarayana, **K. L. Sai Prasad** and B. Satyanarayana, On a class of para-Kenmotsu manifolds, International Journal of Pure and Applied Mathematics, 115(4), 2017, 827-834.

**Details:** UGC Approved List of Journal; Journal No: 23425; Academic Publications Limited; ISSN: 13118080; Source: Scopus; (impact factor 5.44); **API SCORE: 14**

6. S. Sunitha Devi, **K. L. Sai Prasad** and G. V. S. R. Deekshitulu, Conformal curvature tensor on para-Kenmotsu manifold, Turkish Journal of Analysis and Number Theory, 5(2), 2017, 27-30. (Google Scholar). **API SCORE: 3.5**

7. S. Sunitha Devi, **K. L. Sai Prasad** and G. V. S. R. Deekshitulu, Ricci and Projective curvature tensors on a type of para-Kenmotsu manifold, International Journal of Pure and Applied Mathematics, 112(2), 2016, 273-280.

**Details:** UGC Approved List of Journal; Journal No: 23425; Academic Publications Limited; ISSN: 13118080; Source: Scopus; (impact factor 5.44); **API SCORE: 14**

8. T Satyanarayana and **K. L. Sai Prasad**, On Semi-symmetric para Kenmotsu manifolds, Turkish Journal of Analysis and Number Theory, 3(6), 2015, 145-148. (Google Scholar); (citations – 2). **API SCORE: 3.5**

9. **K. L. Sai Prasad** and T Satyanarayana, Some curvature properties on a special para Kenmotsu manifold with respect to semi-symmetric connection, Turkish Journal of Analysis and Number Theory, 3(4), 2015, 94-96 (Google Scholar). **API SCORE: 3.5**

10. **K. L. Sai Prasad** and T Satyanarayana, On para-Kenmotsu manifolds satisfying certain conditions on the curvature tensors, Advances in Applied Science Research, 6(4), 2015, 108-113. (Google Scholar); ((impact factor 3.52, citations – 1). **API SCORE: 10.5**

11. **K. L. Sai Prasad** and T Satyanarayana, On a type of para Kenmotsu manifold, International Journal of Mathematical Sciences and Engineering. Applications, (IJMSEA), Vol. 9(1), 2015, 283-291.

**Details:** UGC Approved List of Journal; Journal No: 48305; Ascent International Journals; ISSN: 09737424; Source: UNIV; (impact factor 5.44); **API SCORE: 3.5**

12. **K. L. Sai Prasad** and T Satyanarayana, On para Kenmotsu Manifold, International Journal of Pure and Applied Mathematics 90(1), 2014, 35-41.

**Details:** UGC Approved List of Journal; Journal No: 23425; Academic Publications Limited; ISSN: 13118080; Source: Scopus; (impact factor 5.44); **API SCORE: 14**

13. T. Satyanarayana and **K. L. Sai Prasad**, On a type of para Kenmotsu Manifold, Pure Mathematical Sciences, 2(4), 2013, 165-170. (Google Scholar); (citations – 2). **API SCORE: 3.5**

14. **K. L. Sai Prasad**, Certain classes of almost contact Riemannian Manifolds, International Mathematical Forum, 16(4), 2009, 773-778. (Google Scholar) (impact factor 0.235, citations – 2). **API SCORE: 3.5**

15. **K. L. Sai Prasad**, Quarter symmetric metric Finsler connections on Kenmotsu and P-Kenmotsu Vector bundles, International Mathematical Forum, 18(3), 2008, 847-855. (Google Scholar) (impact factor 0.235, citations – 3). **API SCORE: 3.5**

16. **K. L. Sai Prasad**, Kenmotsu and p-Kenmotsu Finsler structures on Vector bundle, International Mathematical Forum, 17(3), 2008, 837-846. (Google Scholar) (impact factor 0.235, citations – 2). **API SCORE: 3.5**

17. B. B. Sinha and **K. L. Sai Prasad**, A class of almost para contact metric Manifold, Bulletin of Calcutta Mathematical Society, 87, (1995), 307-312.

**Details:** UGC Approved List of Journal; Journal No: 9543; Calcutta Mathematical Society; ISSN: 00080659; Source: ICI; (impact factor 5.44); **API SCORE: 1.5.** (Citations – 5).

18. B. B. Sinha and K. L. Sai Prasad, Almost para contact semi-symmetric metric Finsler connections on Vector bundle, Indian Journal of Pure and Applied Mathematics, 26(3), 1995, 249-257. (Scopus & Google Scholar); (impact factor 0.325, citations – 4). **API SCORE: 1.5**

**Papers Published in conference proceedings:**

1. Presented a paper along with Mr. T. Satyanarayana in the 3<sup>rd</sup> International Conference of Gwalior Academy of Mathematical Sciences held at Maulana Azad National Institute of Technology, Bhopal during 22-26<sup>th</sup> Septemeber, 2013.

Title of the paper:” *On a Type of para Kenmotsu Manifold*”

2. Presented a paper along with Mr. T. Satyanarayana in the A. P. Science Congress-2013 organized by Andhra Pradesh Akademi of Sciences held at The University of Hyderabad during 14- 16<sup>th</sup> November, 2013.

Title of the paper: “*Some Curvature Properties of a Quarter Symmetric Metric Connection in an SP-Kenmotsu Manifold*”

3. Presented a paper along with Mr. T. Satyanarayana in the International Conference on Recent Advances in Mathematical Sciences and Applications (RAMSA’13) held at GVP College of Engineering, Visakhapatnam during 19-22nd December, 2013.

Title of the paper: “*Quarter Symmetric Metric Connection in an SP-Kenmotsu Manifold*”

4. Presented a paper in the National Conference on Emerging Trends in Mathematical Sciences and Engineering Applications held at JNTUK-University, Kakinada during 23-24<sup>th</sup> May, 2014.

Title of the paper: “*Quarter Symmetric non-metric Connection on P-Kenmotsu Manifold*”

5. Presented a paper in the UGC Sponsored National Seminar on Recent Developments in Mathematics and its Applications held at Nagarjuna University, Nagarjuna Nagar, during 22<sup>nd</sup> – 23<sup>rd</sup> December, 2014.

Title of the paper: “*On a type of Para-Kenmotsu Manifolds*”

6. Presented a paper along with Mr. T. Satyanarayana in the A. P. Science Congress-2015 organized by Andhra Pradesh Akademi of Sciences held at Sri Venkateswara University, Tirupathi during 7-9<sup>th</sup> November, 2015.

Title of the paper: “*Projective Curvature Tensor on P-Kenmotsu Manifold*”

7. Presented a paper along with Ms. S. Sunitha Devi in the A. P. Science Congress-2016 organized by Andhra Pradesh Akademi of Sciences held at P. B. Siddhartha College of Arts & Sciences, Vijayawada during 7- 9<sup>th</sup> November, 2016.

Title of the paper: “*Conformal Curvature Tensor on a Type of para-Kenmotsu manifold*”

8. Presented a paper along with Ms. S. Sunitha Devi in the 104<sup>th</sup> Indian Science Congress-2017 held at Sri Venkateswara University, Tirupathi during 3- 7<sup>th</sup> January, 2017.

Title of the paper: ***“Ricci and Projective Curvature Tensors on P- Kenmotsu Manifold”***

9. Presented a paper along with Ms. S. Sunitha Devi in the 3<sup>rd</sup> A. P. Science Congress-2017 held at Andhra University, Visakhapatnam during 7<sup>th</sup> – 9<sup>th</sup> November, 2017.

Title of the paper: ***“On Certain Curvature Conditions of para-Kenmotsu manifolds with A canonical Paracontact Connection”***

10. Presented a paper along with Dr. T. Satyanarayana in the 3<sup>rd</sup> A. P. Science Congress-2017 held at Andhra University, Visakhapatnam during 7<sup>th</sup> – 9<sup>th</sup> November, 2017.

Title of the paper: ***“W2-Curvature Tensor on Para-Kenmotsu Manifolds”***

11. Presented a paper along with Ms. S. Sunitha Devi in the 83<sup>rd</sup> Annual Conference of Indian Mathematical Society held at Sri Venkateswara University, Tirupati during 12<sup>th</sup> – 15<sup>th</sup> December, 2017.

Title of the paper: ***“On Para-Kenmotsu Manifolds Admitting W2– curvature Tensor”***

12. Presented a paper along with Ms. S. Sunitha Devi in the 3<sup>rd</sup> international conference on Recent Advances in Mathematical Sciences and Applications-2017, organized by GVP-Prof. V. Lakshmikantham Institute of Advanced Studies, GVP College of Engineering, Visakhapatnam during 19-22nd December, 2017.

Title of the paper: ***“On para-Kenmotsu manifolds with a canonical para-contact connection”***

13. Presented a paper in the International Conference on Management, Sciences, Engineering and Applications (ICMSEA-2018) at BABA Institute of Technology and Sciences, Vizag during 20-22nd December, 2018.

Title of the paper: ***“On a Class of SP-Kenmotsu manifolds admitting quarter-symmetric metric connection”***

14. Presented a paper in the UGC Sponsored Two Day National Seminar on Recent Trends on Mathematical Sciences and its Applications (RTMSA-2019) at Department of Mathematics, Acharya Nagarjuna University, Nagarjuna Nagar during 24-25th January, 2019.

Title of the paper: ***“On a Type of Lorentzian para-Kenmotsu Manifold”***

15. Presented a paper in the National Conference on Recent Advances and Applications in Mathematics (NCRAAM-2019) at Department of Mathematics, Osmania University, Hyderabad during 26-27th February, 2019.

Title of the paper: ***“Concircular Curvature Tensor on A Class of SP-Kenmotsu Manifolds Admitting Quarter-Symmetric Metric Connection”***

**Details of the conferences chaired/conducted/organized/attended:**

1. Chaired a Session on Differential Geometry in an ***International Conference on Recent Advances in Mathematical Sciences and Applications*** (RAMSA'17) held at GVP College of Engineering, Visakhapatnam during 19-22<sup>nd</sup> December, 2017.
2. Organized an ***International Conference on Recent Advances in Mathematical Sciences and Applications*** (RAMSA'17) at the level of Joint Secretary at GVP College of Engineering, Visakhapatnam during 19-22<sup>nd</sup> December, 2017.

3. Organised an *International Conference on Recent Advances in Mathematical Sciences and Applications* (RAMSA'13) at the level of Joint Secretary at GVP College of Engineering, Visakhapatnam during 19-22<sup>nd</sup> December, 2013.
4. Organised an AICTE sponsored 3-day National Seminar on **Discrete Mathematics and its Applications (DMAA)** from 10-12<sup>th</sup> February, 2011 as a Co-ordinator.
5. Participated in the *International Congress of Mathematicians (ICM-2010)* held at Hyderabad, India during 19-27<sup>th</sup> August, 2010.
6. Organised an *International Conference on Recent Advances in Mathematical Sciences and Applications* (RAMSA'09) at the level of Joint Secretary at GVP College of Engineering, Visakhapatnam during 19-22<sup>nd</sup> December, 2009.
7. Attended AICTE sponsored *Staff Development programme* in **Mathematical Applications in Engineering (MAE-09)**, from 22<sup>nd</sup> June – 5<sup>th</sup> July '2009 conducted at GVP College of Engineering for Women, Visakhapatnam.
8. Attended *International conference* on Graph Theory and its Applications at Mata Amritanandamai Viswa Vidyalaya Peetha, Ettimadai, Coimbatore during 9-11<sup>th</sup> December, 2005.
9. Attended AICTE-ISTE sponsored short *training programme* on **Fuzzy Logic and its Applications in Engineering**, from 5-16<sup>th</sup> July '2004, at Vellore Institute of Technology, Deemed University, Vellore.
10. Participated in the *Instructional conference on Riemann Surfaces*, recognized by *U.G.C. as Refresher course*, held in Department of Mathematics, **University of Bombay, Bombay** from 7<sup>th</sup> - 28<sup>th</sup> December, 1995.

**OTHER RELEVANT INFORMATION:**

- Contributed as a **project fellow** in a Major Research Project, sponsored by University Grants Commission, India.
- Life Member for various scientific associations includes Indian Mathematical Society, Indian Science Congress, Tensor Society of India.

**OBJECTIVES AND GOALS:**

- I work with team spirit and with a sense of belonging to the organization by helping the administration.
- I counsel the students with concern their problems and deficiencies. I deal with their parents with courtesy while attending their grievances.
- I am confident that I can prove myself to the satisfaction of the university authorities and definitely I will be an asset to the concerned department and the University.



**ADDRESSES OF REFEREES:**

1. Prof. Dr. E. V. Prasad, Former Registrar of JNTUK and Former Director of GVP College of Engineering for Women, Madhurawada, Visakhapatnam, Andhra Pradesh, INDIA.  
e-mail: profevprasad@gvpcew.ac.in; Mobile: 8985909555.
2. Dr. A. S. V. Ravikanth, Associate Professor & Prof-in-Charge (Examinations), Department of Mathematics, National Institute of Technology, Kurukshetra – 136119, Haryana, INDIA.  
e-mail:asvravikanth@gmail.com; Mobile: 9896031557.
3. Prof. Dr. C. Bhaskara Sharma, Former Director, GVP College of Engineering for Women, Madhurawada, Visakhapatnam, Andhra Pradesh, INDIA. e-mail: bhaskar.psdh1947@gmail.com;  
Mobile: 9441009618.
4. Prof. Dr. K. V. S. Rao, Former Registrar, Rajasthan Technical University & Former Principal of GVP College of Engineering for Women, Visakhapatnam, Andhra Pradesh, INDIA. e-mail: kvsrao12@gmail.com; Mobile: 9414787737.

**PERSONAL DETAILS:**

**Name** : KOTHURI LAKSHMI SAI PRASAD  
**Father's Name** : Late. Sri. K. B. S. Rudreswara Rao  
**Spouse Name** : Mrs. K. Archana, M.Sc., M. Phil., (Ph.D) (Bio-Technology),  
**Date of Birth** : 12 – 08 – 1970  
**Nationality** : Indian  
**Sex** : Male  
**Marital Status** : Married  
**Languages Known** : English, Telugu and Hindi

*Thereby declare that the information furnished above is true and complete to the best of my knowledge.*

**(Dr. K. L. Sai Prasad)**