



RESUME

Name: Dr. D. Reddy Babu

Qualification: M.Sc., M.Phil., PhD (Mathematics)

Father's Name: Late Sri D. Paddayya

Date of Birth: 17-03-1981

Sex: Male

Languages known: Telugu, English and Hindi

Marital Status: Married

Address for Communication: : Flat No:A1, Sai sriVishnu apartments,
Bhagyanagar5th line, Guntur – 522 006.

Mobile No. : 94417 52543, 7981047665

E-mail address: : reddybabu17@gmail.com

Education Qualifications: :

S.NO	Degree	University/College	Year of passing	Division
1	Ph.D	Rayalaseema University, Kurnool	Feb 2018	
2	M.Phil	Alagappa University	2007	First
3	M. Sc	Vignan school of P.G. Studies, ANU	2005	First
4	B. Sc	TJPS College, ANU	2003	First

Total Teaching Experience: 19 years 10 months

1. Currently working as Professor of mathematics in Department of AS&H at Tirumala engineering college, Narasaraopet from 03-05-2019 to till date
2. Worked as Assistant Professor in Mathematics at GITAM University, Bengaluru, from 08-07-2018 to 30-04-2019.
3. Worked as Assistant Professor in Mathematics at K. L. University, Vaddeswaram, from 17-06-2011 to 03-07-2018.
4. Worked as Assistant Professor in mathematics at Vignan'slara institute of Technology & science, Vadlamudi, from 08-10-2007 to 16-06-2011.
5. Worked as Lecturer in Mathematics at T.J.P.S College, Guntur from 01-07-2005 to 07-10-2007.

Awards:

1. Received best teacher award from Tirumala Engineering college during the A.Y 2021 – 2022
2. Received Best Researcher Award form International Research Awards On Science, Technology and Management, 14 & 15-May-2022, Chennai, India
3. Received best teacher award from Vignan's Lara institute of Technology & science during the A.Y 2008 – 2009.

Memberships :

1. Life member of Andhra Pradesh Society for Mathematical Sciences (APSMS LM No: 946).
2. Life member of ADMA (L.M No 470)
3. Life member of IAENG (LM No: 187624)
4. Life member of Indian Society for Technical Education (LM No: 130178).

Administration Positions:

- Presently working as Convener of Research and Development cell, Tirumala Engineering college.
- Acted as Criteria incharge of NBA and NAAC.
- Acted as Chair person of many conferences.
- Acted as observer of APSLPRB exams conducted by Government of Andhra Pradesh.
- Acted as Panel member of JNTUk Ratification interviews.
- BOS chairman of mathematics, Tirumala engineering college.
- BOS Member of KITS AKSHAR Engineering College, Guntur.

Organizing committee member of Conferences/ work shops/Webinars

1. Acted as convener of Five days FDP on Emerging trends in Mathematics, Department of AS&H (Mathematics), Tirumala engineering College, Jonnalagadda, Jun 17-21, 2021.
2. Acted as Organizing Secretary of Two days National level FDP on Fundamentals of SPSS and Data Analysis using SPSS, Department of AS&H (Mathematics), Tirumala Engineering College, Jonnalagadda, July 30 to 31, 2020.
3. Acted as a Convener of National webinar on coloring of Graphs, Department of AS&H (Mathematics), Tirumala Engineering College, Jonnalagadda, June 26, 2020
4. Acted as Technical committee member of National conference on Recent Trends in Mathematics and its applications, Department of Mathematics, GITAM deemed to be University, Bengaluru, Dec 21-22, 2018.
5. Acted as organizing committee member of National conference on Essence of Mathematics and Engineering Applications (Sponsored by DST-SERB), Department of Mathematics, K.L.E.F(K. L. University), Guntur, Nov 17, 18, 2017
6. Acted as organizing committee member of A National workshop on Essence of Mathematics and Engineering Applications (EMEA-2015), organized by Department of Mathematics, K. L. University, Vaddeswaram on March 26 and 27, 2015.

Publications:

1. D. Reddy Babu, L. N. Varma, P , N and M. Madhavalatha, D-radius and D-diameter of some special Graphs, Journal of Nonlinear analysis and Optimization Vol 15 issu 4, pp 184-191(Scopus)
2. D. Reddy Babu, L. N. Varma, P , N and M. V. Ramanjaneyulu, Study on D-parameter of a Derived graph of Complete bipartite graph w.r.t, D-distance, Journal of Nonlinear analysis and Optimization Vol 15 issu 4, pp 75-81(Scopus)
3. D. Reddy Babu, L. N. Varma, P , N , B. Srinivasa kumar, D. Satish and M. V. Ramanjaneyulu, Mean d-distance in Graphs, Journal of Xi'an Shiyou University, Natural Sciences Edition, Vol 66 issu 7, pp 318-321(Scopus)
4. D. Reddy Babu, L. N. Varma, P , N., Bounds for D-Radius and D-diameter of a graphs, "Palestine Journal of Mathematics" vol 11 issu 2 pp 299-301 (SCOPUS)
5. D. Reddy Babu, L. N. Varma, P , N and M. V. Ramanjaneyulu, Edge Deletion and Invariance in Graphs using D-distance , "Palestine Journal of Mathematics" vol 11 issu 1 pp 135-141(SCOPUS)
6. D. Reddy Babu, L. N. Varma, P , N. Veedavathi, and M. V. Ramanjaneyulu, Edge to Edge D-distance , Radius and Diameter of Graphs, "Advances in Mathematics: Scientific Journal" vol 10 issu 1 pp 245-249.(SCOPUS)
7. D. Reddy Babu, L. N. Varma, P and M. V. Ramanjaneyulu, Edge deletion and Invariance -I, Journal of Information and computational Science, Vol 13, issu9, pp 134-143 .(UGC Care)
8. D. Reddy Babu, L. N. Varma and T. NagaswaraRao Edge to vertex and Edge to Edge D-distances, Italian journal of pure and applied Mathematics, Vol 44, pp 814-820 (SCOPUS)
9. D. Reddy Babu, L. N. Varma, V. Venkataswra Rao,T.Nagaswara Rao, and Y. Srinivasa Rao, Average detour D-distance in graphs, "Advances in Mathematics: Scientific Journal" vol 9 issu 7 pp 4721-4727. (SCOPUS)
10. D.Reddy Babu, L. N. Varma,P , V.Venkataswra Rao and ,Y. Srinivasa Rao , Detour D-self cantered graphs, Journal of Critical Reviews, Vol 7 issu 3, pp 1151-1155.(SCOPUS)
11. D.ReddyBabu, L. N. Varma,P , V.VenkataswraRao and ,Y. Srinivasa Rao, D-Antipodal and detour D-Antipodal graphs, International Journal of Advanced Science and Technology, Vol 29 issu 8 pp 2371-2381.(SCOPUS)
12. D.ReddyBabu, L. N. Varma,P and V.VenkataswraRao, Average Eccentricity of graphs w.r.t. D-Distance, International journal of recent technology and engineering, Vol 7, issu 5S4, pp 208-2210.(SCOPUS)
13. D.ReddyBabu, L.N.Varma, P and M. V. Ramanjaneyulu, Self- Centeredness of Derived Graphs using D-Distance, International journal of recent technology and engineering, Vol 7, issu 5S4, pp 251-256.(SCOPUS)
14. D.ReddyBabu, L. N. Varma,P and V.VenkateswraRao Average detour D-eccentricityof graphs, Pramana Research Journal, vol 8, issu 12, 2018, pp 1-7.
15. D.ReddyBabu, L.N.Varma and M. V. Ramanjaneyulu, Selfcenteredness of total graphs w.r.t. D-distance, International Journal of Engineering and Technology ,Vol 7 issu 4.10, 2108 pp 366-370.(SCOPUS)
16. D.ReddyBabu, L. N. Varma,P and V.VenkataswraRao , Eccentric connectivity index and connective Eccentric index of graphs w.r.t.Detour D-distance , JARDCS Vol 10 issu 2 ,2018, pp 466-472. (SCOPUS)
- 17.D.ReddyBabu, L.N.Varma, D-Radius and D-diameter of some families of graphs, international journal of chemical science, Vol: 15 issue:1,2017, pp 1-9.(SCOPUS)

18. D.ReddyBabu, L.N.Varma, P, Some Inequalities on D-distances, Bulletin of Mathematics and Statistics research, vol:5, issue 1, 2017, pp 130-132.
19. D.ReddyBabu, L.N.Varma, Radius and Diameter of some families of graphs w.r.t vertex-to-edge D-distance,VFSTR Journal of STEM , Vol: 2 issue 2, 2016, pp 1-9.
20. D.ReddyBabu, L.N.Varma, A Note on radius and diameter of graph w.r.t. D-distance, International journal of Chemical Sciences, Volume 14, issue 3, 2016, PP:1725-1729.(SCOPUS)
21. D. Reddy Babu, L. N. Varma, P: Vertex-to-edge centers w.r.t. D-distance, Italian journal of pure and applied Mathematics, Volume 35, 2015, PP:101-108 (SCOPUS)
22. D. Reddy Babu, L.N. Varma, P: Average D-distance between Edges of a Graph, Indian Journal of Science and Technology. Volume 8, issue 2, 2015 PP:152-156 (SCOPUS)
23. D. Reddy Babu, L.N. Varma, P: Average D-distance between vertices of a Graphs, Italian journal of pure and applied Mathematics, Volume 33, 2014 PP:293-298 (SCOPUS)
24. D. Reddy Babu, L.N. Varma, P: D-distance on graphs , Golden research thoughts volume.2 Issue.9. 2013, PP.52-57.
25. D. Reddy Babu, L.N. Varma, P : Domination number of grid graphs $P_{15} \times P_n$, International journal of Mathematical archive, volume 3, issue 3, 2012, PP.1-3.
26. D. Reddy Babu, L.N. Varma, P:a note on domination number of grid graphs, IJMSTAH. Vol.2, Issue.1, PP.221-230.

Papers in conference proceedings

1. Reddy Babu, D., Ramanjaneyulu, M. V.,and Varma, P. L. N., Self Centered total graphs w.r.t. D-distance, Proceedings of the DST-SERB sponsored National Conference Essence of mathematics and Engineering Applications, 2017, KLEF ,Vaddeswaram, pp 22-25 (ISBN No. 9788193063880)
2. D. Reddy Babu, L. N. Varma, P :Domination numbers, domination set, grid graphs, U. G. C. Sponsored two day National Seminar on Modern Trends in Mathematical and Physical Sciences organized by Department of Mathematics, D.A.R. College, Nuzvid , pp 139-141.

Paper presentations in International events:

1. D. Reddy Babu, L. N. Varma, P and M. Madhavalatha, Mean d-distance between edges of graph, international virtual conference (NECIVCPBSH2023, Narasaraopet Engineering College, Narasaraopet, 26 and 27 May 2023.
2. D. Reddy Babu, L. N. Varma, P and M. Madhavalatha Average d-distance between vertices of a graph, International Conference on Emerging Trends in Technology, Science, Management and Upcoming Research in Computer Science[ICTSM-RCS-2023], Tirumala Engineering College, Narasaraopet. On 21 and 22 April 2023.
3. D. Reddy Babu, L. N. Varma, P and M.V.Ramanajaneyulu, Edge deletion and Invariance -II, International conference on Multi disciplinary research in sciences and humanities recent, VVIT, Namburu, Guntur(dt) on Feb 17 to 18, 2022.
4. D. Reddy Babu, L. N. Varma, M. V. Vijakumar ,Bounds for D- radius and D-diameter of graphs, Online international conference on recent innovations in science engineering humanities and management, Tirumala Engineering college, Narasaraopet, Guntur(dt) on Sep 25 to 26, 2020.
5. D. Reddy Babu, L. N. Varma, J. Verajaneyulu, Circular Distance Divisor graphs,Online international conference on recent innovations in science engineering

- humanities and management, Tirumala Engineering college, Narasaraopet, Guntur(dt) on Sep 25 to 26, 2020
6. D. Reddy Babu, L. N. Varma, P and M.V.Ramanajaneyulu, Edge deletion and Invariance -I, Online international conference on recent innovations in science engineering humanities and management, Tirumala Engineering college, Narasaraopet, Guntur(dt) on Sep 25 to 26, 2020.
 7. D.ReddyBabu, L.N.Varma,Pand V.Venkateswara Rao, Detour D-Selfcentered graphs, First international conference on technological emerging Challenges(ICTEC2019), Tirumala Engineering college, Narasaraopet, Guntur(dt)onMarch 15 to 16, 2019
 8. D. Reddy Babu, L. N. Varma, P and M.V.Ramanajaneyulu:Selfcenteredness of Derived graphs using D-distance, International conference on 5G Communications, Applications and Technologies, VFSTR Deemed to be University, Dec 5-6, 2018
 9. D. Reddy Babu, L. N. Varma, P and M.V.Ramanajaneyulu: Self centeredness of total graphs w.r.t. D-distance, International conference on Advances in Mathematical Sciences (ICMA 2017, School of Advanced sciences, VIT, Vellore, on Dec 1-3, 2017.
 10. D. Reddy Babu, L. N. Varma, P and M.V.Ramanajaneyulu: D-radius and D-diameter of families of graphs w.r.t. vertex-to-edge D-distance, international conference on Mathematical sciences and engineering applications, Baba institute of technology and sciences, Visakhapatnam, on Dec 23-26, 2016.
 11. D. Reddy Babu, L. N. Varma, P: Average D-distance in graphs, 18 Annual cum 3 International conference of Gwalior Academy Mathematical Sciences on Mathematical, Computational and Integrative Sciences, Moulana Azad National institute of Technology (N.I.T), Bhopal, M.P on Sep 22 to 26,2013.
 12. D.ReddyBabu, L. N. Varma, P: A Study on D-distance on graphs, ainternational conference on Mathematics and Computer engineering-2012 organized by International Multidisciplinary Research Foundation (IMRF) of Ratnaprasad Multidisciplinary Research and Educational Society at Vijayawada on Sep 13 and 14, 2012.

Paper presentations in National events:

1. D. Reddy Babu, L. N. Varma, P and M. Madhavi latha Mean d-distance in Graphs, National Symposium on Mathematics and Applications, Department of mathematics **IIT MADRAS** , December 22, 2023
2. D. Reddy Babu, L. N. Varma, P and M.V.Ramanajaneyulu, Edge Deletion And Invariance of Graphs Using D-Distance, National conference on Essence of Mathematics and Engineering Applications, Department of Mathematics, K. L. E. F (K . L. University), Guntur, Dec 2-3, 2020.
3. D. Reddy Babu, L. N. Varma.P, Bounds for D-Radius and D-diameter of graphs, NCMSA-19, Department of Mathematics, VFSTR deemed to be University, July 19-20, 2019.
4. D. Reddy Babu, L. N. Varma.P, D-Radius and D-Diameter of some families of garphs w.r.to, Edge to Edge D-distance, National conference on Recent Trends in Mathematics and its applications, Department of Mathematics, GITAM Deemed to be University, Bengaluru, Dec 21-22, 2018
5. D.ReddyBabu, L. N. Varma, P and M.V.Ramanajaneyulu Self centered total graphs W.R.T D-distance, National conference on Essence of Mathematics and Engineering Applications (Sponsored by DST-SERB), Department of Mathematics, K.L.E.F(K. L. University), Guntur, Nov 17, 18, 2017.

6. D.ReddyBabu, L. N. Varma, P A. Note on detour D-distance and D-self centered graphs, National conference on Recent trends in Applications of Mathematics to science and technology (NCRTAMST 2017), Department of Applied Mathematics, Sri PadmavathiMahilaVisvavidyalayam, Tirupathi, June, 28, 29, 2017,
7. D.ReddyBabu, L. N. Varma, P Average Eccentricity of graphs w.r.t, D-distance, XXV Silver jubilee congress and National conference on Emerging trends in Mathematical science and Applications in Engineering sciencesorganized by Department of Mathematics, NBKR Institute of Science and Technology Vidyanagar, SPSR Nellore Dist Andhra Pradesh on Dec 9 to 11, 2016.
8. D. Reddy Babu, L. N. Varma, P and M.V. Ramanajaneyulu: A note on Radius and diameter of some classes of graphs, One day National seminar on recent advances in Algebra, S.S.N. College Narasaraopet, Guntur, on Oct 23, 2016
9. D. Reddy Babu, L. N. Varma, P and M.V.Ramanajaneyulu: D-Radius and D-diameter of some families of graphs, A UGC sponsored one day national conference on Advances in Mathematical Sciences (AIMS-2015) organized by Department of Mathematics and Statistics, K .B. N College, Vijayawada on Nov 28, 2015
10. D. Reddy Babu, L. N. Varma, P: D-Radius and D-diameter of graphs, A UGC sponsored two dayNational workshop on latest developments in algebra and its applications organized by Department of Mathematics and statistics K. B. N College, Vijayawada, in collaboration of Krishna University, Machillipatnam, on Feb 19 and 20, 2015.
11. D. Reddy Babu, L. N. Varma, P: Edge distance w.r.to D-distance, XXIII Congress of APSMS and National Conference on Mathematics, organized by Department of Mathematics, Vignan's University on Dec 12 to14, 2014.
12. D. Reddy Babu, L. N. Varma, P: A Note on D-distance on graphs, A UGC sponsored two day national workshop on latest developments in algebra and its applications, organized by Department of Mathematics, T.J.P.S College Guntur on Nov 24 and 25, 2014.
13. D. Reddy Babu, L. N. Varma, P: Average D-distance between vertices of a graphs, A National symposium on Mathematical methods and applications (NSMMA 2013), organized by Department of mathematics, **I.I.T. Madras** on Dec 22,2013.
14. D. Reddy Babu, L. N.Varma,P, A Note on vertex-to-edge centers and D-distance, Ramanujan memorial symposium in mathematics and its applications-2012, organized by Department of mathematics, **I.I.T. Hyderabad** on Dec 22, 2012.
15. D. Reddy Babu, L. N. Varma, P: D-distance and Box graphs, 5th A.P. science congress-2012 organized by Andhra Pradesh Academy of Sciences and AcharyaNagarjuna University, A .N. U on Nov 14 to16, 2012.
16. D. Reddy Babu, L. N. Varma, P : Domination numbers, domination set, grid graphs, U. G. C. Sponsored two day National Seminar on Modern Trends in Mathematical and Physical Sciences organized by Department of Mathematics, D.A.R. College, Nuzvid on January 20 to 21, 2012.

Conferences / workshops / FDP Attended:

- 1.Participated One week FDP on Recent Trends in Sciences and Engineering organized by Department of H&S in CMR Engineering College, Hyderabad, from 15 to 20 July 2019
2. Participated a Six days short term program on Statistics with R programming, sponsored by AICT, New Delhi, Organized by Department of CSE, Narasa Rao peta Engineering college, Narasaraopet, From 24 to 29 June, 2019.

3. Participated A workshop on High impact communication and self management leadership organized by Academic staff college. K.L.University, vaddeswaram on Jun 15 and 16, 2017.
4. Participated A National workshop on Essence of Mathematics and Engineering Applications (EMEA-2015), organized by Department of Mathematics, K. L. University, Vaddeswaram on March 26 and 27, 2015.
5. Participated a two days National Workshop on Scientometric Tools and Techniques For Research Analysis (STTRA 2014) organized by Central Library jointly with R& D Division K. L. University, Vaddeswaram on Sep 27 and 28, 2014.
6. Participated a workshop on Jevanavidya (Human values), organized by academic staff college, K. L. University, Vaddeswaram on May 19 to 24, 2014.
7. Participated in a National Workshop on Recent Trends in Mathematics, organized by Department of S and H, Vignan's University, Guntur on Jul 13, 2013.
8. Participated in the One day National Seminar on English Language Teaching in India Issues, Debates and Strategies, organized by Department of English, K. L. University on Dec 10, 2012.
9. Participated in Seventh Annual conference of academy of Discrete Mathematics and applications (ADMA) and Graph Theory day VII. Organized by Department of Mathematics, N. I. T CALICUT, KERALA on JUN 09 to 11, 2011.
10. Participated in A National Seminar on Modern Trends in Applied Mathematics, organized by Department of Applied Mathematics, Andhra University, Visakhapatnam on Oct 09 and 10, 2010.
11. Participated in A National workshop in Engineering Mathematics-1 at Vignan Institute of Technology and Aeronautical Engineering, Hyderabad on Dec 18 and 19, 2009.
12. Participated in A National workshop on Applications of Mathematics in Engineering and sciences at Narasaraopeta Institute of Technology. Narasaraopeta on Feb 21, 2009.
13. Participated in MEDHA-2004 A Mathematics seminar organized by P.G. department of Mathematics, Andhra Loyola College, Vijayawada on Jan. 25, 2004.

D.REDDY BABU