



TIRUMALA ENGINEERING COLLEGE

An ISO 9001:2015 Certified Institution, Accredited by NAAC & NBA

(Approved by AICTE & Affiliated to JNTU Kakinada)

Jonnalagadda, Narasaraopet Guntur - 522601, Dist. A.P. Website:tecnrt.org. E-mail:tecnrt@gmail.com

FACULTY PROFILE

1. Personal Details:

Full Name (As per SSC) : DEAGALA REDDY BABU

Faculty ID Number : ASH103

Designation : ASSOC. PROF

Department : AS&H

Joining Date : 03-06-2019

Email ID : reddybabu17@gmail.com

Mobile No : 9441752543

Date of Birth : 17-03-1981

Pan Number : AOUPD0453Q

Aadhar Card Number : 6637644888006

Blood Group : O+

Mother's Name : RAMANUJAMMA

Father's/Husband's Name: PADDAYYA

Community (OC/SC/ST/OBC) : OC

Address for Correspondence : FLAT NO : A1, SAI SRI VISHNU APARTMENT, BHAGYANAGAR, GUNTUR 522006,
ANDHRAPRADESH

Permanent Address : DO



2. Educational Qualifications (Attach Photocopies of the Relevant Certificates - OD & Marks Sheet)

	Qualification (10 th /Inter/ Diploma/ UG/ PG/PhD)	Branch & Specialization (Full Name)	School/ College Name and address (Full Name)	Board/ University (Full Name)	Certificate Number & Date	Mode of Completion (Full-time/Part- time/Distance)	% of Marks
1	10 th	-	RAMAKRISHNA RESIDENTIAL SCHOOL, GUNTUR	SSC Board	0928699	Full Time	62
2	INTER	MATHS, PHYSICS, CHEMISTRY	JAGARLAMUDI KUPPU SWAMI COLLEGE, GUNTUR	IPE		FULL TIME	55
3	BSC	MATHS, PHYSICS, ELECTRONICS	TALAKULA JAYALAYYA POLLISETTY SOMASUNDHARAM COLLEGE, GUNTUR	ACHARAYA NAGARJUNA UNIVERSITY	S24650/M20 3	FULL TIME	67
4	MS.C.	PURE MATHEMATICS	VIGNAN SCHOOL OF P.G. STUDIES, GUNTUR	ACHARAYA NAGARJUNA UNIVERSITY	PG/0310/A05	Full Time	68

5	M.PHIL.	PURE MATHEMATICS		ALAGAPPA UNIVERSITY, TAMILANADU	066052984	Part Time	65
6	PHD	GRAPH THEORY(D-DISTANCE IN GRAPHS)		RAYALASEEMA UNIVERSITY, KURNOOL	PPMAT089	PART TIME	

3. Details of Teaching Experience (Fill the format with minimum eligibility) (Common service between full time teaching and full time study should be avoided)

	Organization Name and address (Full Name)	Designation & Post (Full Name)	Pay Scale/ Pay Band or Consolidate Pay	AGP/GP or Salary	From Date	To Date	Duration (Years-Months)
1	Tirumala Engineering College, Narasaraopet, Andhra Pradesh	Assoc. Professor	37400	8000	03.06.2019	Till date	1Y - 10M
2	GITAM DEEMED TO BE UNIVERSITY BANGALURU CAMPUS, BANGALURU	ASST. PROF	CONSOLIDATE	62,000	09-07-2018	30-04-2019	10 M
3	K. L. UNIVERSITY, GUNTUR	ASST. PROF	15600	6000	16-06-2011	03-07-2018	7Y-1M
4	VIGNAN LARA, VADLAMUDI, GUNTUR	ASST. PROF	8000	24,200	08-10-2007	15-06-2011	3 Y- 9M
5	TALAKULA JALLAYYA POLLISETTY SOMASUNDHJARAM COLLEGE, GUNTUR	LECTURER	CONSOLIDATE	6000	01-07-2005	07-10-2007	2Y-3M
Total							15Y - 9M

Note: Eligibility – 1. Engineering Dept. - B.E/B.Tech. /AMIE (First Class) or M.E./M.Tech. (First Class)
2. MBA Dept. - MBA/M.Com (First Class)
3. MCA Dept. - MCA (First Class)
4. S&H Dept. - M.Sc/Equivalent (First Class)

4. Details of Industrial Experience (Fill the format with minimum eligibility) (Common service between full time Industrial experience and full time study should be avoided)

	Organization Name and address (Full Name)	Designation / Post (Full Name)	Pay Scale or Consolidate Pay	Gross Pay	From Date	To Date	Duration (Years-Months)
1							
2							
Total							

Note: Eligibility – 1. Engineering Dept. - B.E/B.Tech. /AMIE (First Class) or M.E./M.Tech. (First Class)
2. MBA Dept. - MBA/M.Com (First Class)
3. MCA Dept. - MCA (First Class)
4. S&H Dept. - M.Sc/Equivalent (First Class)

5. Details of Total Experience: Ex: 15Y - 9M (Item 3 + Item 4)

6. Publication Details: (Mandatory)

Researcher ID : 16291
ORCID ID : <https://orcid.org/0000-0003-2667-1526>
Scopus ID : 56521696300
Scopus h-index : 3
No. of Scopus Citations : 16
Google Scholar h-index : 4
Google Scholar i10-index : 2
No. of Google Scholar Citations : 55

7. Papers Published in International Journals

	Academic Year	Author(s), Title, Journal, Vol, No, Pages, Month & Year of Publication, ISSN(s), DOI or Weblink or Print Journal & Free Journal (If Any)	Indexed By
1	2011-2012	D. Reddy Babu, L.N. Varma, P:a note on domination number of grid graphs, IJMSTAH. Vol.2, Issue.1, PP.221-230, DECEMBER 2011 (ISSN 2249 5460)	
2		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, PP.1-3. MARCH 2012, MARCH 2012, ISSN 2229-5046 www.ijma.info	
3	2012-13	D. Reddy Babu, L.N. Varma, P: D-distance on graphs , Golden research thoughts volume.2 Issue.9. 2013, PP.52-57.(ISSN:- 2231-5063) 10.9780/2231-5063/292013/1696 / www.avgrt.net	
4	2014-2015	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, PP:152-156, JAN 2015, (ISSN (Online) : 0974-5645 ISSN (Print) : 0974-6846) DOI : 10.17485/ijst/2015/v8i2/58066	SCOPUS
5		D. Reddy Babu, L.N. Varma, P: Average D-distance between vertices of a Graphs, Italian journal of pure and applied Mathematics, Volume 33, PP:293-298 , DECEMBER 2014 (ISSN 2239-0227)	SCOPUS UGC
6	2015-2016	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, PP:101-108 , DECEMBER 2015 (ISSN 2239-0227)	SCOPUS UGC
7		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, PP:1725-1729. MARCH 2016 (ISSN 0972-768X) www.sadgurupublications.com	SCOPUS
8		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, pp 1-9 FEB 2016 (ISSN 2544-2062)	
9	2016-2017	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. (ISSN 2348-0580) https://doi.org/10.33329/bomsr http://www.bomsr.com	
10		D.ReddyBabu, L.N.Varma, D-Radius and D-diameter of some families of graphs, international journal of chemical science, Vol: 15 issue:, pp 1-9. JAN 2017 (ISSN 0972-768X) www.sadgurupublications.com	
11	2017-2018	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, pp 466-472., 2018 (ISSN 1943-023X)	SCOPUS
12	2018-2019	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, pp 366-370. OCT 2018 (ISSN: 2227-524X) DOI: 10.14419/ijet.v7i4.10.20938 www.sciencepubco.com/index.php/IJET	SCOPUS
13		D.ReddyBabu, L. N. Varma,P and V.VenkataswraRao Average detour D-eccentricity of graphs,Pramana Research Journal, vol 8, issu 12, pp 1-7. DECEMBER 2018 (ISSN NO: 2249-2976) https://pramanaresearch.org	

14		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. FEB 2019 (ISSN: 2277-3878)	SCOPUS
15		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, FEB 2019 (ISSN: 2277-3878)	SCOPUS
16	2019-2020	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. MAY 2020 ISSN: 2005-4238(PRINT) ISSN: 2207-6360 (Online)	SCOPUS
17		D.Reddy Babu, L. N. Varma,P , V.Venkataswra Rao and ,Y. Srinivasa Rao , DETOUR D-SELF CENTERED GRAPHS, Journal of Critical Reviews, Vol 7 issu 3, pp 1151-1155, MARCH 2020 (ISSN- 2394-5125) http://www.jcreview.com/?mno=102442	SCOPUS
18	2020-2021	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, JULY 2020 ISSN:1857-8365 (printedversion)1857-8438(electronicversio) https://doi.org/10.37418/amsj.9.7.38	SCOPUS UGC
19		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 , 2020 (ISSN 2239-0227)	SCOPUS UGC
20		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 . SEP 2020, ISSN: 1548-7741 DOI:16.10090.JOICS.2020.V13I09.287391.4121 http://joics.net/currentissue.php	UGC
21		D. Reddy Babu, L. N. Varma, P , N. Veedavathi, and M. V. Ramanjaneyulu, EDGE TO EDGE D-DISTANCE AND RADIUS AND DIAMETER OF GRAPHS, “Advances in Mathematics: Scientific Journal” vol 10 issu 1 pp 245-249. JAN 2021 (ISSN:1857-8365 (printed version) 1857-8438 (electronic version) https://doi.org/10.37418/amsj.10.1.25	SCOPUS UGC

Note: Mention the indexing, if the journal paper is indexed by ESCI /AHCI / SCIE / SSCI /SCOPUS/UGC/etc.

8. Papers Presented in International Conferences

	Academic Year	Conference Name, Venue & Date(s) of Conference	Author(s), Title, Vol, No, Pages, DOI or Weblink (If Any)	ISBN Number & Best paper award. (If Any)	Scopus (If any)
1	2012-2013	International Multidisciplinary Research Foundation (IMRF) of Ratnaprasad Multidisciplinary Research and Educational Society at Vijayawada on Sep 13 and 14, 2012.	D.ReddyBabu, L. N. Varma, P A Study on D-distance on graphs		
2	2016-17	International conference on Mathematical sciences and engineering applications, Baba institute of technology and sciences, Visakhapatnam, on Dec 23-26, 2016.	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		
3	2017-2018	International conference on Advances in Mathematical Sciences (ICMA 2017, School of Advanced sciences, VIT, Vellore, on Dec 1-3, 2017	D. Reddy Babu, L. N. Varma, P and M.V.Ramanajaneyulu Self centeredness of total graphs w.r.t. D-distance		
4	2018-2019	International conference on 5G Communications, Applications and	D. Reddy Babu, L. N. Varma, P and		

		Technologies, VFSTR Deemed to be University, Dec 5-6, 2018	M.V.Ramanajaneyulu Selfcenteredness of Derived graphs using D-distance		
5	2020-2021	First international conference on technological emerging Challenges (ICTEC 2019), Tirumala Engineering college, Narasaraopet, Guntur (dt) on March 15 to 16, 2019	D.Reddy Babu, L.N.Varma, P and V.Venkateswara Rao, Detour D-Selfcentered graphs		
6		Online international conference on recent innovations in science engineering humanities and management, Tirumala Engineering college, Narasaraopet, Guntur (dt) on Sep 25 to 26, 2020	D. Reddy Babu, L. N. Varma, P and M.V.Ramanajaneyulu Edge deletion and Invariance -I		
7		Online international conference on recent innovations in science engineering humanities and management, Tirumala Engineering college, Narasaraopet, Guntur (dt) on Sep 25 to 26, 2020.	D. Reddy Babu, L. N. Varma, M. V. Vijakumar Bounds for D- radius and D-diameter of graphs		
8		Online international conference on recent innovations in science engineering humanities and management, Tirumala Engineering college, Narasaraopet, Guntur (dt) on Sep 25 to 26, 2020	D. Reddy Babu, L. N. Varma, J. Verajaneyulu Circular Distance Divisor graphs		

9. Papers Presented in National Conferences

	Academic Year	Conference Name, Venue & Date(s) of Conference	Author(s), Title, Vol, No, Pages, DOI or Weblink (If Any)	ISBN Number & Best paper award. (If Any)	Scopus (If any)
1	2011-2012	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	D. Reddy Babu, L. N. Varma, P Domination numbers, domination set, grid graphs		
2	2012-2013	5 th A.P. science congress-2012 organized by Andhra Pradesh Academy of Sciences and Acharya Nagarjuna University, A .N. U on Nov 14 to 16, 2012.	D. Reddy Babu, L. N. Varma, P D-distance and Box graphs		
3		Ramanujan memorial symposium in mathematics and its applications-2012, organized by Department of mathematics, I.I.T. Hyderabad on Dec 22, 2012	D. Reddy Babu, L. N. Varma, P A Note on vertex-to-edge centers and D-distance		
4	2013-2014	A National symposium on Mathematical methods and applications (NSMMA 2013), organized by Department of mathematics, I.I.T. Madras on Dec 22, 2013	D. Reddy Babu, L. N. Varma, P Average D-distance between vertices of a graphs		
5	2014-2015	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	D. Reddy Babu, L. N. Varma, P: A Note on D-distance on graphs		
6		XXIII Congress of APSMS and National Conference on Mathematics, organized by Department of Mathematics, Vignana's University on Dec 12 to 14, 2014.	D. Reddy Babu, L. N. Varma, P: Edge distance w.r.to D-distance		

7		A UGC sponsored two day National 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.	D. Reddy Babu, L. N. Varma, P: D-Radius and D-diameter of graphs,		
8	2015-2016	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	D. Reddy Babu, L. N. Varma, P and M.V.Ramanajaneyulu: D-Radius and D-diameter of some families of graphs		
9	2016-2017	One day national seminar on recent advances in Algebra, S.S.N. College Narasaraopet, Guntur, on Oct 23, 2016	D. Reddy Babu, L. N. Varma, P and M.V. Ramanajaneyulu: A note on Radius and diameter of some classes of graphs		
10		XXV Silver jubilee congress and National conference on Emerging trends in Mathematical science and Applications in Engineering sciences organized by Department of Mathematics, NBKR Institute of Science and Technology Vidyanagar, SPSR Nellore Dist Andhra Pradesh on Dec 9 to 11, 2016	D.ReddyBabu, L. N. Varma, P Average Eccentricity of graphs w.r.t, D-distance,		
11		National conference on Recent trends in Applications of Mathematics to science and technology (NCRTAMST 2017), Department of Applied Mathematics, Sri Padmavathi Mahila Visvavidyalayam, Tirupathi, June, 28, 29, 2017,	D.ReddyBabu, L. N. Varma, P A. Note on detour D-distance and D-self centered graphs		
12	2017-2018	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	D.ReddyBabu, L. N. Varma, P and M.V.Ramanajaneyulu Self centered total graphs W.R.T D-distance		
13	2018-2019	National conference on Recent Trends in Mathematics and its applications, Department of Mathematics, GITAM Deemed to be University, Bengaluru, Dec 21-22, 2018	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,		
14	2019-2020	NCMSA-19, Department of Mathematics, VFSTR deemed to be University, July 19-20, 2019.	D. Reddy Babu, L. N. Varma.P, Bounds for D-Radius and D-diameter of graphs,		
15	2020-2021	National conference on Essence of Mathematics and Engineering Applications, Department of Mathematics, K. L. E. F (K . L. University), Guntur, Dec 2-3, 2020.	D. Reddy Babu, L. N. Varma, P and M.V.Ramanajaneyulu, Edge Deletion And Invariance of Graphs Using D-Distance,		

10. Seminars/ Conferences/ Short-Term Courses /Workshops/ FDPs/ Training Programs/ Webinars/ Quizzes/ etc Organized

	Academic Year	Type	Title of the Program	Sponsoring Agency/ Self-financed	From Date	To Date	Your Role
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1	2018-2019	CONFERENCE	National Conference on Recent Trends in Mathematics and it's Applications" (NCRTMA2018)	SELF	21-12-2018	22-12-2018	Technical Committee
2	2019-2020	WEBINAR	A ONE DAY NATIONAL WEBINAR ON COLORING OF GRAPHS	SELF	26-06-2020		CONVENOR
3	2020-2021	FDP	TWO DAYS NATIONAL FACULTY DEVELOPMENT PROGRAM ON FUNDAMENTALS OF SPSS AND DATA ANALYSIS USING SPSS	SELF	30-07-2020	31-07-2020	Organizing Secretary

11. Salary & Income tax Details. (For Last 3 years)

	Assessment Year	Annual Gross Salary	Taxable Income	Tax Paid	ITR Number
1	2018-19	490000	NIL	NIL	672696820240618
2	2019-20	636000	200000	2000	842152300210819
3	2020-21	550000	NIL	NIL	1244607100121

12. Submitted Funding Proposals

	Academic Year	Proposal Title	Sponsoring Agency Name	Proposal ID	Proposal Date	Proposed Amount (INR)	Duration of Proposal	PI / Co-PI
1	2020-2021	STUDIES ON UNDER GROUND WATER SYSTEM USING D-DISTANCE IN GRAPHS	SERB(MATRIX)	MTR/2021/000083	13-03-2021	6,00,000 (2,00,000 PA)	3	PI

13. Ratification Details

	Designation	Date of Ratification	University
1	Assistant Professor	16-06-2011	k.l. university
2	Associate Professor		
3	Professor		

14. Teaching and Learning Process Plan for coming academic year to improve the quality of the students - 200 Words.

(Max.)

Teach the students by using latest technics and modern tools to improve their knowledge as per the requirement of industry

15. Research Plan for coming academic year the quality of the department - 200 Words. (Max.)

Plan to apply one project proposal and publish atleast 2 scopus/sci indexed papers