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REFERENCES:
Dr. Samir K. Vaidya
Professor & Head,
Dept. of Mathematics,
Saurashtra University,
Rajkot(Gujarat), India
M: +91 9825292539

Dr. Parag C. Shukla
Assistant Professor,
Dept. of Cyber Security & Digital
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National Forensic Science University,
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Dr. Chirag M. Barasara
Assistant Professor,
Dept. of Mathematics
HNGU,
Patan(NG), Gujarat, India
M: +91 9998041029

EDUCATION

Ph.D. –Mathematics 2017-2020 Saurashtra University	**M.Sc. (Mathematics) – First Class Dist.** 2007 - 2009 Saurashtra University
B.Sc. (Mathematics) – First Class Dist. 2005 - 2007 Saurashtra University	**M.Phil. (Mathematics) – First Class Dist.** 2013 Saurashtra University

GSET(Mathematics), December 2018

WORK EXPERIENCE

Sunshine Educational Trust-Rajkot
Assistant Professor
01-01-2011 to 10-08-2011
Atmiya Institute of Technology & Science, Rajkot
Assistant Professor
11-08-2011 – 31-03-2020
Atmiya University, Rajkot
Assistant Professor
01-04-2020 – 30-4-2011
Atmiya University, Rajkot
Assistant Professor-SS
01-05-2021 to 30-03-2023
Saurashtra University, Rajkot
Assistant Professor
31-03-2023 to till date

ACADEMIC & RESEARCH

Research Papers	11
Book Chapter	1
Conference Presentations	11
MOOC	6
Invited Talks/Resource Person	13
STTP	10
Seminar	2
Workshop	2
Professional Membership	1

Research Papers in Peer-Reviewed or UGC listed Journals:

Sr. No.	Title of the Paper	Name of the Journal	Indexing	Vol. No. & Page No.	ISSN/E-ISSN No	Impact Factor
1	Some New Result on Energy	MATCH Communications in Mathematical and in Computer Chemistry	SCI	77 (2017) 589-594	0340 - 6253	3.1
2	Construction of L-equienergetic graphs using some graph operations	AKCE International Journal of Graphs and Combinatorics	SCI	17(3) (877-882)	0972-8600	1.2
3	Some New Results on Energy of Graphs with Self Loops	Journal of Mathematical Chemistry	SCI	Accepted For Publication		4.4
4	Energy of m-Splitting and m-Shadow Graphs	Far East Journal of Mathematical Sciences	SCOPUS	102(8) 1571-1578	0972-0871	0.51
5	On Equienergetic Hyperenergetic, Hypoenergetic Graphs	Kragujevac Journal of Mathematics	SCOPUS	44(4) 523-532	2406-3045	0.46
6	Some New Results on Seidel Equienergetic Graphs	Kyungpook Mathematical Journal	SCOPUS	59 (335-340)	0454-8124	0.38
7	Construction of Sequences of Borderenergetic Graphs	Proyecciones journal of mathematics	SCOPUS	38(4) 837-847	0717-6279	0.70
8	Construction of L-Borderenergetic Graphs	Kragujevac Journal of Mathematics	SCOPUS	45(6) 873-880	2406-3045	0.46
9	Some Borderenergetic and Euienergetic Graphs	Kragujevac Journal of Mathematics	SCOPUS	48(6) (935–949)	2406-3045	0.46

10	Some new Classes of Equienergetic Graphs	South East Asian Journal of Mathematics and Mathematical Sciences	**SCOPUS**	20 (261-268)	2582-0850	0.1
11	Spectra of Graphs Obtained by Duplication of Graph Elements	Mathematics Today	NA	35 (50-60)	0976-3228	NA

Publications as Chapter in Edited Book:

Sr. No.	Title and Year of Publications	ISBN/ISSN No.	Publisher
1	Recent Advancements in Graph Theory (Chapter:31 "L-Spectra of Graphs Obtained by Duplicating Graphs Elements")	9780367458867 (hardback) 9781003038436 (e-book)	**CRC Press (International)**

Papers presented at National or International Conferences:

Sr. No	Level	Title of Papers	Name of Conferences	Place	Date
1	International	Some New Results on Energy of Graphs	International Conference on Discrete Mathematics (ICDM-2016)	Sidhdhganga Institute of Technology, Tumkur(Bangalore), Karnataka	09-08-2016
2	International	Construction of L-Borderenergetic Graphs	International Conference on Discrete Mathematics(ICDM-2019)	Christ(Deemed to be University) ,Bengaluru	08-06-2019
3	International	Some Borderenergetic and Equienergetic Graphs of Arbitrarily Large Order	International Conference on Recent Trends in Mathematics and Its Applications to Graphs, Networks and Petri Nets (ICRTMA-GPN-2020)	School of Computational and Integrative Sciences, Jawaharlal Nehru University, New Delhi-11006	22-07-2020
4	National	Energy of m-splitting & m-shadow graphs	National Conference on Algebra, Analysis & Graph Theory-2017(NCAGG)	Saurashtra University, Rajkot	09-02-2017

5	National	On Equienergetic, Hyperenergetic, Hypoenergetic Graphs	13th National ADMA Conference & Graph Theory Day-XIII(ADMA-2017)	SSN College Engineering, Kevlakkam, Chennai(Tamilnadu)	09-06-2017
6	National	Some New Results on Seidel Equienergetic Graphs	National Conference on Applied Mathematics	Gujarat University, Ahmedabad & Parul University, Vadodara (DST Supported)	14-04-2018
7	National	Construction of L-Equienergetic Graphs using Some Graph Operations	14th National ADMA Conference & Graph Theory Day-XIII(ADMA-2018)	DAIICT- Gandhinagar	09-06-2018
8	National	Construction of Sequences of Borderenergetic Graphs	Prof. P. C. Vaidya National Conference on Mathematical Sciences	St. Xavier's College, Ahmedabad and Gujarat Ganit Mandal	24-12-2018
9	National	L-spectra of Graphs Obtained by Duplications of Graph Elements.	Recent Advancement in Graph Theory (RAGT-2019)	Gujarat University, Ahmedabad	09-11-2019
10	National	Some New Classes of Equienergetic Graphs	National Conference on Emerging Trends in Discrete Mathematics (NCETDM-2022)	Hemchandracharya North Gujarat University, Patan(Gujarat)	18-02-2022
11	State	On Energy of Graphs	State level conference on Challenges for Sciences and Technology Education During Coming Decades(XXX Gujarat Science Congress Conference)	K.S.K.V Kachchh University & Gujarat Science Academy	06-02-2016

FDP/ Short Term Certificate Courses:

Sr. No.	Name of the Course	Place	From	Till	Organizing Agency
1	Higher Engineering Mathematics	Rajkot	1.5 weeks		NPTEL (Swayam)

2	Introduction to Abstract and Linear Algebra	Rajkot	1 Week		NPTEL (Swayam)
3	IEEE Explore Digital Library Awareness Workshop	Atmiya Institute of Technology & Science, Rajkot	08-02-2017	08-02-2017	IEEE
4	Recent Trends In Applied Mathematics	Online	02-06-2021	06-06-2021	SNS College of Technology, Coimbatore
5	Five Days e-Workshop on Latex	Online	05-07-2021	09-07-2021	Gandhi Institute of Technology and Management, Bengaluru
6	One Weak Faculty Development Program on Latex	Online	07-06-2021	12-06-2021	Auxillium College of Arts and Science for Women
7	Recent Trends in Domination and Graph Labelling	Ramanujan College, University of Delhi	27-05-2021	31-05-2021	Academy of Discrete Mathematics and Its Application (ADMA).
8	Recent Trends in Applications of Mathematics	Online	12-07-2021	17-07-2021	Chadalwada Ramanamma Engineering College, New Delhi.
9	Mathematics and Statistic in Emerging Field	Online	05-07-2021	10-07-2021	KKR institure of engineering and technology, Coimbatore
10	National level Workshop on Recent Advances in Signed Graphs and Their Applications	Sidhdhganga Institute of Technology, Tumkur, Bangalore, Karnataka	06-06-2016	08-06-2016	Academy of Discrete Mathematics and Its Application(ADMA)
11	A One Day Seminar on Internet of things	Atmiya Institute of Technology & Science	03-03-2016	03-03-2016	Gujarat Technological University
12	Achieving Teaching Excellence	Atmiya Institute of Technology & Science, Rajkot	19-12-2012	23-12-2012	Atmiya Institute of Technology & Science, Rajkot
13	Reinventing Teaching Excellence and Encountering the Vision Within	Atmiya Institute of Technology & Science, Rajkot	14-05-2014	18-05-2014	Department of Management, Atmiya Institute of Technology & Science, Rajkot
14	National Level Seminars on Freelancing Opportunity in IT Industries	Atmiya Institute of Technology & Science, Rajkot	19-11-2011	19-11-2011	Atmiya Institute of Technology & Science, Rajkot

MOOC Courses:

Sr. No	Course Name	Duration	Agency	Year
1	Higher Engineering Mathematics	12 Weeks	NPTEL (Swayam)	2019
2	Introduction to abstract and linear algebra	8 Weeks	NPTEL (Swayam)	2019
3	Basic Geometry Online Course	-----	Udemy	2015
4	Math is everywhere: Applications of Finite Math	-----	Udemy	2015
5	Algebra for A-Level Math	-----	Udemy	2015
6	R, ggplot and Simple Linear Regression	-----	Udemy	2015

Design of New Curricula and Courses:

Sr. No.	Subject	Course and Semester	Institute / Agency for which it is developed
1	Discrete Mathematics	M.Sc.(Mathematics) (Semester-III)	Atmiya University, Rajkot
2	Mathematical Statistics	M.Sc.(Mathematics) (Semester-IV)	Atmiya University, Rajkot
3	Discrete Mathematics	MCA(Mathematics) (Semester-I)	Atmiya University, Rajkot
4	Theory of Computation	MCA(Mathematics) (Semester-II)	Atmiya University, Rajkot
5	Computer Oriented Numerical Methods and Graph Theory	MCA(Semester-III)	Atmiya University, Rajkot
6	Statistical Methods	MCA(Semester-IV)	Atmiya University, Rajkot

Invited Lectures / Recourse Person:

Sr. No.	Title	Name of Seminars / Conferences	Place	Date
1	Research Methodology & Use of Statistical Methods	Lecture Series for Ph.D Course Work	Department of Mathematics, Saurashtra University, Rajkot	10-01-2018
2	Research Methodology & Use of Statistical Methods	Lecture Series for Ph.D Course Work	Department of Mathematics, Saurashtra University, Rajkot	12-01-2018
3	Research Methodology & Use of Statistical Methods	Lecture Series for Ph.D Course Work	Department of Mathematics, Saurashtra University, Rajkot	18-01-2018
4	Introduction to Latex	Lecture Series for Ph.D Course Work	Department of Mathematics, Saurashtra University, Rajkot	22-01-2018

5	Presentation Using Latex	Pedagogy Sessions by MCA Department	Atmiya University, Rajkot	10-09-2018
6	Research Methodology & Use of Statistical Methods	Lecture Series for Ph.D Course Work	Department of Mathematics, Saurashtra University, Rajkot	04-02-2019
7	Introduction to Latex	Lecture Series for Ph.D Course Work	Department of Mathematics, Saurashtra University, Rajkot	05-02-2019
8	Introduction to Latex	Lecture Series for Ph.D Course Work	Department of Mathematics, Saurashtra University, Rajkot	06-02-2019
9	Various Packages of Latex	Lecture Series for Ph.D Course Work	Department of Mathematics, Saurashtra University, Rajkot	12-02-2019
10	Various Packages of Latex	Lecture Series for Ph.D Course Work	Department of Mathematics, Saurashtra University, Rajkot	14-02-2019
11	Various Packages of Latex	Lecture Series for Ph.D Course Work	Department of Mathematics, Saurashtra University, Rajkot	20-02-2019
12	Introduction to Latex	Seminar For Ph.D Scholars	Atmiya University, Rajkot	07-04-2019
13	Quantitative Techniques-1	Seminar for MBA Students	Atmiya Institute of Technology & Science, Rajkot	24-11-2019

Professional Development Activities

Life Member of Academy of Discrete Mathematics and Its Applications from 2018