

SHRI G.S. INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE

No. PG/Ph.D./2016-17/

Date : 20/3/2017

List of Awarded Ph.D. Holders & Guide

Sr.No.	Name of Ph.D.Holder	Date of Regn.for Ph.D.	Topic of Ph.D.	Name of Guide	Year of Ph.D. Awarded
I CIVIL ENGINEERING & APPLIED MECHANICS : --					
1.	Kum. Uttamasha Gupta	31.10.1991	Study of Brick Filled R.C. Beams under Cyclic Loading.	Dr. J.P. Shrivastava & Dr. U.B. Choubey	1999
2.	Shri Arun Prasad	16.01.1997	A study of Eccentrically Loaded footing Supported on piles	Dr. A.N. Patel	2000
3.	Shri Avinash M. Potdar	03.09.1996	Study of Urban Mass Transportation Mode Choice modeling as a Function of System Characteristics	Dr. O.P. Bhatia	2000
4.	Shri Mukesh Kr.Verma	18.09.1997	Development of Strategies for Optimal Utilization of Water Resources of Mahanadi Reservoir Project Complex,	Dr. R.K. Shrivastava	2002
5.	Shri Abhay Kumar Jain	17.09.1996	Study of the Effect of Compressive Strength of Concrete on Corrosion of Reinforcing Steel & Concrete.	Dr. O.P. Bhatia	2000
6.	Shri H.K.Mahiyar	13.02.1997	The Effect of Lateral Confinement on Bearing Capacity of Soils.	Dr. A.N. Patel	2001
7.	Shri Rakesh Kumar Jain	02.03.2002	Development of an Integrated Land use Transport Environment Model for Medium size City"	Dr. O.P. Bhatia	2005

8.	Shri Manjeet Singh Hora	17.7.2000	Soil Structure interaction studies on in filled building frames	Dr. Vijay Rode	2005
9.	Shri Rajesh Kumar Tripathi	25.08.1998	Non – Linear Finite element analysis of plate bending using higher order shear deformation theory	Dr. Vijay Rode	2002
10.	Mr .Ajay Kumar Garg	06.07.2002	Vibration analysis of laminated composite plates and shells using higher order flat facet shell element	Dr. V. Rode	2006
11.	Shri Anil K. Mathur	19.07.1999	Impact Assessment of indoor air pollution in Indian context.	Dr. A.N. Patel	2005
12.	Mr. Ajay Kumar Gupta	18.09.2003	Water Treatment Systems Optimization: An integrated approach based on evolutionary algorithms	Dr. R.K. Shrivastava	2007
13.	Shri Maheshwar Maharana	12.08.02 QIP	Study of swell-shrink behavior of black cotton soil with lime stabilized cushion	Dr. S.M. Humad	14.12.09
14.	Shri Atul Kumar Sthapak	02-09-03	Recovery of alum coagulant from sludgy and its reuse in wastewater treatment plan	Dr. D.J.Killedar	18.12.09
15.	Ms. Seema Chouhan	18.10.05	Development of optional operating strategies for a multi reservoir system	Dr. R.K.Shrivastav	18.12.09
16.	Shri Rajendra R. Joshi	08-08-01	Analysis of cylindrical water tanks with vertical stiffeners using stiffened shell element	Dr. U.B.Choubey	23.3.10
17.	Shri Abdul Saleem Khan	12.08.05 QIP	Lysimeters studies for minimization of municipal solid waste landfill Leachate.	Dr. S.M.Narulkar	14.11.11
18.	Shri Dayanand Pundlik Joshi	22.08.06	Experimental studies on footing with variable angle of projection under eccentric inclined loading	Dr. H.K.Mahiyar	06.04.13
19.	Smt. Archna Choudhary	12.10.06	Optimization of conjunctive use planning for a multipurpose project	Dr. R.K.Shrivastav	
20.	Shri Ravikant Shrivastav	15.09.06	Topic yet to finalized	Dr. U.B.Choubey	QIP
21.	Shri Mukesh Kumar Sinha	24.11.06	Dam break modeling and disaster management	Dr. S.M.Narulkar	3/7/13
22.	Shri Tejram Nayak	10-09-2007	Real Time Flood Estimation Using GIS Based Hydrological Model	Dr. S.M.Narulkar	17/7/14

23.	Shri Sunil Ajmera	01.10.2008	Optimization of On Farm Water Management.	Dr. R.K.Shrivastav	3.2.17	
24.	Shri Suraj Narendra Khante	18-07-02	Non liner dynamic bending analysis of plates using higher order shear deformation theory	Dr. Vijay Rode	QIP	
25.	Shri Nitin M. Mohite	27.10.05	Optimal water utilization planning for inter-basin water transfers	Dr.S.M.Narulkar		
26.	Shri Manmohan Maniyar	10.07.06	Topic yet to finalized	Dr. Rakesh Khare	QIP	
27.	Shri Ananda Babu Kurakula	10.07.09	Optimization of Water Resources Systems	Dr. R.K.Shrivastava		
28.	Shri Vijay B. Bidwai	22.06.2008	Seismic Design Consideration for Precast Building in Indian Perspective.	Dr. R.K. Khare	2017	
29.	Shri Amit Sharma	25.07.2009	Seismic Performance of Existing Brick Masonry Buidling	Dr. R.K.Khare	2018	

II ELECTRONICS & TELECOMMUNICATION ENGINEERING: --

1.	Shri Yeshwant Acharya	05.02.1997	Investigations on Logarithmic Current Electrometers using Light Emitting Diodes.	Dr. P.D. Vyavhare	1999
2.	Shri R.S.Thore	29.01.1998	Some investigations on ATM congestion control	Dr. P.D. Vyavhare	10.07.09
3.	Smt. Archana Bhise	24.01.2005	Performance of error control codes in mobile communication system	Dr. P.D. Vyavhare	01.01.13
4.	Smt. Anjana Jain	10.04.2007	Investigation on characterization of mobile radio channels	Dr. P.D. Vyavhare	07.05.13

III ELECTRICAL ENGINEERING :-

1.	Shri Dev Karan Sakaravdia		On static voltage stability assessment & enhancement	Dr. L.D.Arya	2005
2.	Shri Rakesh Saxena	30.10.1995	Analysis & design of the robust Controller for switched reluctance Motor drives	Dr. B.Sarkar	2003
3.	Shri Samsul Ekram	11.05.2001	Sensorless V/f Control of PWM Inverter fade induction machine	Dr. B. Sarkar	2006
4.	Ms. Mridula Shrivastav	25.11.2005	Protection against voltage instability and remedial actions	Dr. L.D.Arya	01.06.09

5.	Shri Rajesh Arya	21.08.2008	On Some Aspects of Reliability Optimization for Electrical Distribution System.	Dr. S. C. Choubey Dr. L. D. Arya	11.01.11
6.	Shri Yogesh Pahariya	09.11.2005	Analysis and design of various control strategies in SRM and BLDC motors	Dr. R.K.Sharma	11.01.11
7.	Shri Raghunath Paul	07.04.06	Design of Three Phase Squirrel-Cage A.C.Traction Motor with Aluminium Alloy Rotor Bars on Inverter Supply.	Dr.L.D.Arya	21.05.12
8.	Shri Paresh J. Shah	08.04.2009	Power Quality Improvement & Filtering Techniques in Power Supplies.	Dr. Rakesh Saxena	05.12.14

IV PRODUCTION ENGINEERING :-

1.	Shri K.K. Bharani	17.08.1989	Investigation in the Design and Production of Bevel Gears	Dr.A.K. Chitale	Oct, 2000
2.	Shri S.R.Chintakindi	31.07.2001	Design & development of an expert system for twist drill tool wear	Dr.M.L.Neema	2005
3.	Shri Shyamkumar Kalpande	03.12.2008	Implementation of Total Quality Management in Small and Medium Enterprises Some Investigations in Indian Context	Dr. R. C. Gupta Dr. Milind Dandekar	11.07.13
4.	Shri L. K. Toke	16.10.2008	Study of Green Supply Chain Management in Manufacturing Industries.	Dr. R. C. Gupta Dr. Anshul Gangele	14.11.14
5.	Shri Amit Kumar Marwah	03.03.2009	Supply Performance for Competitiveness of Indian Manufacturing Organizations.	Dr. Girish Thakar Dr. R.C.Gupta	15.12.17

V COMPUTER ENGINEERING: --

1.	Shri Sumant Katiyal	06.04.1992	Real Time & Knowledge Based Systems (Urological Diagnosis)	Dr. P.K. Chande	2000
2.	Shri Nirmal Dagdee	20.04.2001	Certain investigations in neural networks and related computations 2005	Prof. N.S.Choudhary	2005
3.	Smt. Aruna Tiwari	24.08.2001	Investigations in neural network learning algorithms	Prof. N.S.Choudhary	14.12.09
4.	Smt. Urjita Thakar	23.09.2006	Certain investigations in composition and security related aspects of web services	Dr. N.Dagdee	23/09/13
5.	Mrs. Vandana Tewari	25.4.09	Methodologies for client Oriented Discovery and Mining in Web Services Environment.	Dr. N.Dagdee & Dr. Aruna Tiwari	06/10/2015

6.	Mrs. Anuradha Purohit	30.07.2008	Investigation in Genetic Programming.	Dr. N. S. Chaudhary, Dr. Aruna Tiwari	16/08/2016
----	-----------------------	------------	---------------------------------------	--	------------

VI MECHANICAL ENGINEERING :

1.	Shri M.D.Agrawal	05.05.98	Flow studies in a reverse flow gas turbine combustor using hydraulic Analogy	Dr. Sanjeev Bharani	2002
2.	Shri C.B.Pawar	30.10.2007	An enhancement of heat transfer by artificial roughness	Dr. Alok Choubey	07.03.11
3.	Shri Shashikant J. Joshi	02.07.2008	Study on stress intensity factor (SIF) and interaction effects for orthotropic materials.	Dr. (Mrs.) Smita ManePatil	27.1.2017
4.	Ms. Suman Sharma	30.07.2008	Investigations of Engineering Products for Environmental Impact Evaluation through Life Cycle Analysis	Dr. S. Mane Patil	08.2.2017
5.	Shri Kartikeya Tripathi	09.03.2006	Development of Mechatronic system for experimental investigation in to dynamics of automotive clutch engagement	Dr. M.D.Agrawal	

VII ELECTRONICS & INSTRUMENTATION ENGINEERING: --

1.	Shri Abhay Wagh	17.02.1997	Investigations on Optical Properties of GaAs and InP based Strained Quantum Well Lasers	Dr. M.C. Shrivastava	1999
2.	Shri Deepak Mishra	21.06.1995	Some Methods for Dynamic Testing of A/D Converters	Dr.M.C. Shrivastava	2000
3.	Shri B.D.Shinde	22.06.1999	Some studies on vertical cavity surface emitting lasers	Dr.D.K.Mishra	2006
4.	Shri Radhe Shyam Gamad	6.6.2007	Computation of Effects of Overdrive and Error in Code Transition Levels on Estimation of ADC Parameters.	Dr. D.K.Mishra	03.9.10
5.	Shri Y.V.Chavhan	19.10.04	Modeling and seimulation of rational system.	Dr. D.K.Mishra	29.09.11
6.	Shri Uday Bhanu Singh	15.06.2007	Some techniques for power optimization in fast settling cmos	Dr. D. K. Mishra	26.04.12

	Chandrawat		operational amplifier		
--	------------	--	-----------------------	--	--

XIII APPLIED PHYSICS :

1.	Ku. Sapna Jaswani	03.08.1995	Optical Coherent Transients Effects in Direct Gap Semiconductors	Dr. P.K. Sen	1999
2.	Shri J. Thomas Andrews	07.03.1996	A Study of Coherent Radiation Matter Interaction	Dr. Mrs.P.Sen	1999
3.	Smt. Sarika Vivek	12.09.1995	Optical Phase Conjugation in Semi conducting Micro crystals	Dr.P.K.Sen	1999
4.	Smt. Sharmila Banerjee	07.03.1996	Optical Coherent Transient Effects in Semi Conductors Quantum Well Structures and Quantum	Dr. P.K. Sen	1999
5.	Shri A.Dubey	21.06.1993	Non-Linear Optical Effects in Electro-Optic Materials	Dr.Mrs.P. Sen	1999
6.	Shri Pradeep Kumar Dubey	27.10.1993	Development of Indigenous 5 MEV betatron and study of the effects of beta irradiation on thin dielectric films.	Dr.P.K.Sen	2004
7.	Ms. Rashmi Trivedi	05-09-2002	Synthesis & study of second harmonic generation in some conjugated organic samples	Dr.(Mrs) Pratima Sen	2005
8.	Ms. Sheetal Kapoor	23.07.2001	Coherent transient optical process in semiconductor quantum wells and quantum wires with multiple valence sub bands	Dr.P.K.Sen	2006
9.	Ms. Harneet Kaur Gahir	02-08-2000	Squeezed state generation in nonlinear optical materials	Dr.(Mrs) Pratima Sen	2006
10.	Mr. Sanjib Chhatarjee	21.08.2001	Optimal Processing of Solid State Laser Materials, Fabrication and Characterization of Super Smooth Optical Surfaces.	Dr. P.K.Sen	2005
11.	Mr. Pradeep Kumar Gupta	17.07.2001	Second and Third order optical non linearities in doped piezoelectric semiconductors	Dr. P.K.Sen	2005
12.	Mr. Jitendra Kumar	28.05.1999	Ultra Short pulse propagation analysis in optical fibers and	Dr. P.K.Sen	2005

			semiconductor wave guides		
13.	Mr. Manish Kumar Bafna	10.03.2004	Optical Nonlinearities and Spin Dynamics of Semiconductor Nanostructures.	Dr. (Mrs.) Pratima Sen, Dr. P. K. Sen	16.02.09
14.	Shri Saral Kumar Gupta	27.09.2006	Transient nonlinear optical effects in semiconductor quantum wells & wires	Dr.P.K.Sen	25.09.09
15.	Shri Ravikant Choubey	02.04.2005	Synthesis & Characterization of some optically active bulk and nanomaterials	Dr. (Mrs.)P. Sen	25.09.09
16.	Shri Mohd. Shakil Qureshi	18.07.2007	Coherent control and quantum entanglement in semiconductor quantum dots.	Dr. (Mrs.) P.Sen & Dr. P.K.Sen	16.12.11
17.	Smt. Namita Sisodiya	06.06.2005	Theoretical study of the optical properties of doped ABO 3 type crystals	Dr. Mrs.P.Sen	
18.	Shri Abbas Ali Koser	28.01.2008	Evaluation of femtosecond pulses in quantum well waveguide structures	Dr. (Mrs.) P.Sen & Dr. P.K.Sen	
19.	Shri Santosh Pawar	18.11.2008	Nonlinear Optical Properties of Fiber Bragg Grating for Optical Communication.	Dr. (Mrs.) Shubhada Kumbhaj	
20.	Shri Kaushik Choudhury	04.02.2009	Optical Properties of Particles Trapped in an Optical Tweezer.	Dr. Joseph Thomas Andrews	
21.	Mrs. Swati Goyal	2007	Transient Nonlinear Optical Effects in Semiconductor Quantum Dots.	Dr. P.K.Sen	
22.	Mr. Vipin Kumar Kaushik	23.01.2010	Fabrication and Characterization of some oxide based semiconductor thin films using indigenously developed aerosol assisted chemical vapor deposition(AA-CVD) system	Dr.P.K.Sen & Dr. Tapas Ganguly,RRCAT	28/04/2017

XI APPLIED CHEMISTRY

1	Ku.Rashmi Bhangada	12.09.1996	Topological Investigation Biologically Active Drugs	Dr. J.K. Agrawal and Dr. P.V. Khadi	1999
---	--------------------	------------	---	--	------

2.	Ms. Chitra Sachdeva	12.09.1996	Topological Aspects of Q.S.P. Relationship QSA Relationship of some organic Drugs.	Dr.J.K. Agrawal	2001
3.	Mrs. Chetna Dawani	23.10.2001	Studies on kinetics and mechanism of oxidation of some aromatic amines by ammoniummetavenadate in acidic medium through UV spectrophotometric technique	Dr. Mrs. Madhvi Verma	2007
4.	Mrs. Divya Dubey	29.08.09	Computational Methods in Drug Design: Molecular Docking, Virtual Screening and Pattern Recognition Studies on HIV-1 Inhibitors and Prote ins.	Dr. Nitin Sare	2017
5.	Ms.Urmila Raghuwanshi	29.08.09	Computational Modeling Studies on some Anti-HIV-1 Analocutes : Docking and Virtual Screenig Approach.	Dr. Nitin Sare	22/3/2016

X APPLIED MATHEMATICS

1.	Ku. Ashima Aswashia	08.11.1995	The Physico Mathematical Analysis of Dynamical Behavior of Magnetic Flud.	Dr.D.K. Wagh	1999
2	Smt. Pushpa Kaushik	15.05.1996	Mathematical Study of Some Problems Related to Magnetic Fluids.	Dr.D.K. Wagh	2002
3.	Shri Gajendrapal Singh Rathore	18.04.1996	Certain concepts in topology	Dr.U.D.Tapi	2002
4.	Ms.Manjusha Panwar	01.10.2001	A study of deterministic and fuzzy aspect of EOQ inventory models	Dr.Ashok Ganguly	2005
5.	Mr. Mrinal Jana	05.12.1998	Some studies of shock wave propagation in the atmospheres of the earth and stars.	Dr. Ashok Ganguly	2005
6.	Mr. Pankaj Sharma	04.09.2001	A Mathematical Study of Propagation of Shock Waves through Gases.	Dr. Ashok Ganguly	24.06.08
7.	Ms.Shilpa Shinde	08.09.2003	A mathematical study of cylindrical shock waves through gases	Dr. Ashok Ganguly	01.06.09
8.	Ms.Pranjali Arondekar	29.03.2007	A mathematical study of some aspects of Bezier and b.spline curve related to cagd	Dr. Ashok Ganguly	8.12.10
9.	Smt. Rachna Navlakhe	10.02.2009	Study of Some Concepts of Fuzzy Topological Spaces.	Dr. U. D. Tapi	09.12.14

10	Ms. Megha Jain	11.03.2011	Some Topics of B.Spline & Bezier Curves and Surfaces Related to Cagd.	Dr. Ashok Ganguly	28.4.2017
11	Mrs. Bhagyashri Deole	24.02.11	Some Generalizations,in fuzy Topology	Dr. U.D.Tapi	28/10/2016

XI PHARMACY

1.	Smt. Neha Kawthekar	23.12.1996	Synthesis and biological evaluation of new derivatives of nonsteroidal anti – inflammatory agents	Dr.S.C.Chaturvedi	1997
2.	Mrs. Savita Vyas	30.08.1994	Synthesis Physicochemical Characterization and Biological Evaluation of new derivatives of some drugs.	Dr. S.C. Chaturvedi	1999
3.	Shri Manish Bhatia	20.02.1995	Simultaneous Analysis of some Multi component Pharmaceutical Formulations.	Dr.S.C. Chaturvedi	1999
4.	Shri Shrenik Gangwal	25.04.1997	Development of Simultaneous Analysis Procedures for Multi component Pharmaceutical Formulation.	Dr. Piyush Trivedi	2000
5.	Shri Sushant Shrivastava	17.04.1995	Synthesis of some new Derivatives A Pro-Drug Approach.	Dr. Piyush Trivedi	2000
6.	Shri Ghanshyamdas Gupt	21.05.1997	Formulation & Evaluation of Multiple Dosage Forms of some Drugs.	Dr. R.S. Gaud	2000
7.	Shri Ajay Sachan	09.04.1996	Development of Quantitative Estimation Procedures of some Pharmaceuticals Formulations	Dr. Piyush Trivedi	2000
8.	Shri Indrajeet Singhvi	03.07.1996	Development of new Quantitative Methods of Analysis for some Drugs.	Dr. S.C. Chaturvedi	2000
9.	Shri Subhash Ajmani	30.10.1996	Molecular Modelling of some Novel Non-Steroidal Anti Inflammatory Compounds Synthesis and Biological Evaluatin	Dr. S.C. Chaturvedi	2000
10.	Shri S.C. Mahajan	09.12.1994	Studies of some Herbal Ant diabetic formulation	Dr. S.C. Chaturvedi	2001
11.	Shri V.K. Morya	16.12.1994	Development of Transdermal Drug Delivery System of some Non-Steroidal Anti Inflammatory Drugs	Dr. T.R. Saini	2000
12.	Shri Suman Kumar Chakravarti	30.10.1996	Designing of some new non-steroidal Anti-inflammatory compounds using molecular Modelling Synthesis and Biological	Dr. S.C. Chaturvedi	2000

			Evaluation.		
13.	Shri Sanjay Surana	08.04.1997	Development Formulations and Standardization of Herbal Cosmetics.	Dr. R.S. Gaud	2001
14.	Shri S.Choudhary	07.10.1997	Photochemical and Pharmacological Evaluation of Caparis Species.	Dr. R.S. Gaud	2001
15.	Ms. Dipti Jain	09.10.1997	Designing of drug delivery system using macromolecule as drug carrier	Dr.Piyush Trivedi	2002
16.	Shri Rajesh Kumar Sharma	07.09.2000	Clinico pharmacological studies in rats using various hepatoprotective formulations	Dr.Piyush Trivedi	2004
17.	Smt. Kaustubhmani Kamat	17.02.1998	Development of estimation method of same drugs in presence of their degradation products	Dr.S.C.Chaturvedi	2004
18.	Shri Surendra Jain	29.09.1999	Designing synthesis & biological evaluation of some non steroidal anti inflammatory compounds	Dr.S.C.Chaturvedi	2004
19.	Shri G.S.Tatele	27.02.1997	Designing of controlled release dosage forms of some drugs using a polymer system	Dr.R.S.Goud	2002
20.	Shri Ravindra Kumar Forsule	17.06.1996	Development of new analytical methods for new drugs and combination of drugs.	Dr.A.K.Sharma	2002
21.	Smt .Kalpana S.Patil	09.07.1998	Photochemical & pharmacological investigations on some medicinal plants.	Dr.S.C.Chaturvedi	2004
22.	Shri T. Sriniwasan	22.05.2001	Synthesis of combinatorial libraries small organic molecules of biological interest	Dr.S.C.Chaturvedi	2004
23.	Shri Surendra Ganeshlal Gattani	02.11.1999	Formulation and evaluation of transdermal drug delivery system.	Dr. S.C.Chaturvedi	2005
24.	Shri Sharad R wakode	08.07.2001	Synthesis and biological evaluation of some Nonsteriodal anti-inflammatory agents	Dr. S.G.Kaskhedikar	2005
25.	Shri Arockia Babu	19.10.2001	Rational design, synthesis and evaluation of some cyclooxygenase – 2 inhibitors	Dr. S.G.Kaskhedikar	2006
26.	Shri Arun Kumar Gupta	17.4.2002	Rational designing synthesis and biological evaluation of some	Dr. S.G. Khaskhedikar	2006

			novel selective cyclooxygenase – 2 inhibitors		
27.	Shri Rajendra D. Wagh	09.10.1997	Synthesis and biological evaluation of some lipoxygenase inhibitors as potential non-steroidal anti-inflammatory agents.	Dr. S.G. Khaskhedikar	24.06.08
28.	Shri Love Kumar Soni	19.04.2005	Rational, design, synthesis and evaluation of some novel agents for the management of diabetes mellitus.	Dr. S. G. Khaskhedikar	16.02.09
29.	Shri Tushar Nahta	27.09.2004	Designing and development of long acting controlled release formulation development of some antipsychotic drugs	Dr. T.R.Saini	27.6.09
30.	Shri Vineet Singh Department of Pharmacy	01.3.2006	“Design, Synthesis and Evaluation of some Polymers for Drug Delivery Systems.”	Dr.(Mrs.) Meena Tiwari	21.4.12
31.	Mrs. Revathi A. Gupta	16.06.08`	Rational Designing Synthesis and Biological Evaluation Some Antimycobacterial Agents.	Dr. S. G. Khaskhedikar	01.01.13
32.	Shri K.Chandravel	12.05.2000	Designing of some new angiotensin – II receptor antagonists, synthesis and biological evaluation	Dr. S.C. Chaturvedi	
33.	Shri Surendra Ganeshlal Gattani	21.10.1999	Transdermal drug delivery system	Dr. R.S.Goud	
34.	Shri S.K.Sharma	17.08.2001	Synthesis of aminoacid conjugates of some nonsteroidal anti-inflammatory drugs and their biological evaluation	Dr. P.Trivedi	
35.	Shri Surendra Kumar	14.11.2008	Computers Assisted Design, Synthesis & Biological Evaluation of Some Novel Anti-HIV Agents	Dr.(Mrs.) Meena Tiwari	

REGISTRAR