

## RESEARCH AREAS

<b>ARCHITECTURE AND PLANNING</b>		
<b>S.No</b>	<b>Research Group</b>	<b>Name of faculty members</b>
1.	Architectural design and construction	Dr. Nakul Dhagat Dr. Rajat Soni Dr. Vinay Mohan Das
2.	Climate Change	Dr. Manmohan Kapshe Dr. Rajat Soni
3.	Conservation	Dr. Anupama Sharma Dr. Vinay Mohan Das
4.	Construction Management / project formulation / valuation	Dr. Rajat Soni Dr. Vinay Mohan Das
5.	Disaster management	Dr. Rajat Soni Dr. Rajshree Kamat Dr. Rekha Jain
6.	Energy Efficiency	Dr. Anupama Sharma Dr. Supriya Vyas
7.	Environmental Planning	Dr. Alka Bharat Dr. Charumitra Kapshe Dr. Rekha Jain Dr. Rajshree Kamat Dr. Seemi Ahmed Dr. Sonia Taneja Dr. Supriya Vyas
8.	Housing and informal sector	Dr. Anuj Jaiswal Dr. K K Dhote Dr. Rajat Soni Dr. Yogesh K. Garg
9.	Interior	Dr. Anupama Sharma Dr. Jagdish Singh
10.	Landscape planning	Dr. Savita Raje Dr. Rajshree Kamat Dr. Supriya Vyas
11.	Remote sensing and GIS	Dr. Ashutosh Sharma Dr. Preeti Onkar
12.	Transportation Planning	Dr. Anuj Jaiswal Dr. Navneet Munoth

13.	Urban Design	Dr. Ashutosh Sharma Dr. K K Dhote Dr. Rajshree Kamat
14.	Urban Planning/ Regional Planning/ Infrastructure Planning/ Rural Planning	Dr. Alka Bharat Dr. Ashutosh Sharma Dr. Charumitra Kapshe Dr. Jagdish Singh Dr. K K Dhote Dr. Manmohan Kapshe Dr. Navneet Munoth Dr. Preeti Onkar Dr. Rajat Soni Dr. Rajshree Kamat Dr. Seemi Ahmed Dr. Supriya Vyas Dr. Yogesh K. Garg
15.	Water resource	Dr. Alka Bharat Dr. Jagdish Singh
<b>BIOLOGICAL SCIENCE &amp; ENGINEERING</b>		
1.	Meta genomics, Molecular Biology and Phylogenetics	Dr. Kiran Singh
2.	Proteomics, Secondary Metabolites & Molecular Modelling	Dr. Rahul Shrivastava
3.	Computational Biology/ Bioinformatics, Computer Aided Drug Designing & Artificial intelligence in Structural Biology	Dr. Khushaali Pandey
<b>CHEMICAL ENGINEERING</b>		
1.	Petroleum refinery processes	Dr. Bharat Modhera, Dr. Sunder Lal Pal
2.	Nano-science and Nano-technology	Dr. Bharat Modhera
3.	Energy and Environment, Renewable Energy	Dr. S. Suresh Dr. Sunder Lal Pal
4.	Process Safety	Dr. S. Suresh
5.	Paint Technology	Dr. Sunder Lal Pal
6.	Reaction Engineering and Reactor design	Dr. Bharat Modhera Dr. Sunder Lal Pal

<b>CIVIL ENGINEERING</b>		
1.	Geo Technical Engineering	N. Dindorker Dr. P.K. Jain Dr. Suneet Kaur Dr. Rakesh Kumar Dr. Kishan Dharavath
2.	Hydro Power Engineering & Water Resource Engineering	Dr. CharuParashar Dr. V. Prasad Dr. T.S. Desmukh Dr. M.K. Choudhary Prof. A.K. Thawait Dr. Ruchi Khare Dr. H.L. Tiwari
3.	Environmental Engineering	Dr. A.K. Sharma Dr. Mukul Kulshreshtha Dr. M.S. Chauhan Prof. HarsangeetKaur
4.	Structural Engineering	Dr. S.K. Dubey Dr. M.S Hora Dr. Abhay Sharma Dr. Raman Nateriya Dr. Priyanka Dhurvey Dr. Vivek Garg Dr. Neeraj Tiwari Dr. S.P.S. Rajput Prof. Junaid Rahim
5.	Transportation Engineering	Dr. P.K. Agarwal Dr. Kamal Singh Dr. Siddharth Rokade
6.	Remote Sensing & GIS	Dr. S.K. Katiyar Dr. JyotiSarup
<b>COMPUTER SCIENCE &amp; ENGINEERING</b>		
1.	Information Security	Dr.R.K.Pateriya Dr.Deepak Singh Tomar Dr Mansi Gyanchandani Dr Jyoti Bharti Dr. S K Saritha Dr BholaNath Roy Dr NamitaTiwari
2.	High Performance Computing	Dr. NilayKhare Prof. Vasudev Dehalwar Dr. Akhtar Rasool

		Dr. Manish Pandey
3.	Soft Computing	Dr. Deepak Singh Tomar Dr. Manasi Gyanchandan Dr. S K Saritha Dr. SanyamShukla
4.	Networking	Dr. Meenu Chawla Dr. Praveen Kaushik Dr. Sweta Jain
5.	Image Processing and Information Retrieval	Dr. R. K.Pateriya Dr. S K Saritha Dr. JyotiBharti Dr. RajeshWadhvani Dr Deepak Singh Tomar Dr Jaytrilok Choudhary.
6.	Big Data Analytics	Dr. Meenu Chawla Dr NilayKhare Dr R K Pateriya Dr.Akhtar Rasool Dr.Dhirendra Pratap Singh Dr Jaytrilok Choudhary Dr.Deepak Singh Tomar Dr MansiGyanchandani
<b>ELECTRICAL ENGINEERING</b>		
1.	Power system	Dr. A.M. Shandilya Dr. S.K. Bharadwaj Dr. Y. Kumar Dr. S.C. Gupta Dr. ManishaDubey Dr. PankajSwarnkar Dr. N.P. Patidar Dr. Sushma Gupta Dr. AnoopArya Dr. Rishi Kumar Singh Dr. Mukesh Kr. Kirar
2.	Power Electronics and Electrical Drives	Dr. Shailendra Jain Dr. Sushma Gupta Dr. PankajSwarnkar Dr. AmitOjha Dr. R.K. Nema Dr. Tripta Thakur Dr. SavitaNema Dr. Suresh Gawre

3.	Renewable energy systems	Dr. R.K. Nema Dr. SavitaNema Dr. Suresh Gawre Dr. PriyankaPaliwal Dr. Shailendra Jain Dr. Tripta Thakur
<b>ELECTRONICS &amp; COMMUNICATION ENGINEERING</b>		
4.	VLSI & Embedded Systems	Dr. M. K. Gupta Dr. R. K. Baghel Dr.ArvindRajawat Dr.KavitaKhare Dr.LaxmiKumre Dr.SangeetaNakhate Dr.Bhavna P. Shrivastava Dr. T. K. Gupta
5.	Signal Processing	Dr. A. Somkuwar Dr.Madhu Shandilya Dr.Jyoti Singhai Dr.Lalita Gupta Dr. D. K. Agrawal Dr.Vijayshri Chaurasia
6.	Communication System	Dr. A. Goel Dr. R. K. Baghel Dr. R. N. Yadav Dr. J. S. Yadav Dr.Alpana Pandey Dr. D. K. Raghuvanshi Dr. O. P. Meena
<b>ENERGY</b>		
1.	Solar Energy	Dr R. M. Sarviya Dr Archana Soni Dr Anil Kumar
2.	Wind Energy	Dr Arvind Mittal Dr Prashant Baredar
3.	Bio Energy	Dr Prashant Baredar Ms Kavita Gidwani Dr K Sudhakar
4.	Smart Grid & Hybrid Energy System	Dr Arvind Mittal Dr Meena Agrawal
5.	Climate change Impacts & Carbon Sequestration	Dr Archana Soni Dr K Sudhakar

		Ms Kavita Gidwani
6.	Energy & Environment Policy	Dr Meena Agrawal Dr Archana Soni
<b>MATHS&amp; MCA</b>		
1.	Computational & Systems Biology, Biomathematics, Data Warehousing, Soft Computing, Financial Informatics and Law Informatics.	Dr. K. R. Pardasani
2.	Financial Mathematics,	Dr. Namita Srivastava
3.	Computational Biology	Dr. Namita Srivastava Dr. Madhi Shakya Dr. Usha Chouhan Dr. C.K .Verma
4.	Wireless Sensor Network	Dr. Sanjay Sharma
5.	Finite Element Modelling	Dr. K. R. Pardasani Dr. Madhvi Shakya
6.	Bioinformatics	Dr. K. R. Pardasani Dr. Madhvi Shakya Dr. Usha Chouhan
7.	Information Retrieval	Dr. Sujoy Das
8.	Computational Mathematics, Chemoinformatics, CADD	Dr. K. R. Pardasani
9.	Bio Computing	Dr. K. R. Pardasani Dr. Usha Chouhan
10.	Financial Mathematics	Dr. C.K .Verma Dr. Manoj Jha
11.	Numerical Analysis	Dr. Manoj Jha
12.	Data Mining	Dr. K. R. Pardasani Dr. Usha Chouhan Dr. Amit Bhagat Dr. Ghanshyam Singh Thakur Dr. Ramjeevan Singh Thakur
13.	Pure Mathematics	Dr. J.P. Jaiswal
<b>MANAGEMENT</b>		
1.	Data Analysis for business research	Dr. Amit Banerji Dr. Hergovind Singh

2.	Technology & Innovation Management & E- Governance	Dr. Amit Banerji Dr. Hergovind Singh
3.	Supply Chain Management, Rural Marketing Retail	Dr. Gyaneshwar Singh Kushwaha Dr. Priyanka Verma Dr. Varsha Rokade Dr. Bikrant Kesari
4.	Training and Development	Dr. Bikrant Kesari Dr. Varsha Rokade
<b>MATERIALS SCIENCE &amp; METALLURGICAL ENGINEERING</b>		
1.	Metal Extraction and Forming, Surface Engineering Materials	Dr C Sasikumar
2.	Advanced Material Characterization	Dr Sanjay Srivastava Dr C Sasikumar
3.	Optical, Magnetic and Electronic materials Computational Techniques in Materials	Dr Sanjay Srivastava
<b>MECHANICAL ENGINEERING</b>		
1.	Thermal Engineering	Dr. R. M. Sarviya Dr. A. Rehman Dr. J. L. Bhagoria Dr. S.P.S. Rajput Dr. Rajesh Gupta Dr. R.K. Mandloi Dr. K.R Aharwal Dr. Atul Lanjewar Dr. Alok Singh Dr. Manoj Arya Dr. Arvind Kumar
2.	Production & Industrial Engineering	Dr. R. K. Dwivedi Dr. Rajesh Purohit Dr. C.M. Krishna Dr. V.K. Soni Dr. P.K. Soni Dr. Pushya Mitra Mishra Dr. Vishal Parashar Dr. Amit Suhane Dr. R. S. Rana Dr. Manish Vishwakarma Dr. M. K. Pradhan Dr. Ajay Verma

3.	Design	Dr. N. D. Mittal Dr. Gajendra Dixit Dr. Siraj Ahmed Dr. C. M. Krishna Dr. V. Warudkar Dr. Amit Telang Prof. Akhilesh Soni Dr. Ajay Pandey
4.	Renewable Energy	Dr. R. M. Sarviya Dr. Siraj Ahmed Dr. J. L. Bhagoria Dr. K. R. Aharwal Dr. Atul Lanjewar Dr. V. Warudkar Dr. Arvind Kumar
<b>PHYSICS</b>		
1.	Semiconducting nanomaterials for Electronic and Biomedical Applications	Dr. M.M. Malik,
2.	Ferroelectric, dielectric and functional nanomaterials for Photovoltaic and memory devices	Dr. Rajnish Kurchania
3.	Optical functional Nanomaterials for Solar cell and Gas Sensors	Dr. Fozia Z. Haque