

RESEARCH AREAS

| ARCHITECTURE AND PLANNING | | |
|----------------------------------|---|---|
| S.No | Research Group | Name of faculty members |
| 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. 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. 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 |

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| 14. | Urban Planning/ Regional Planning/ Infrastructure Planning/ Rural Planning | Dr. Alka Bharat Dr. Ashutosh Sharma Dr. Charumitra Kapshe Dr. Jagdish Singh Dr. K KDhote 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 |
| BIOLOGICAL SCIENCE & ENGINEERING | | |
| 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 |
| CHEMICAL ENGINEERING | | |
| 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 |
| CIVIL ENGINEERING | | |
| 1. | Geo Technical Engineering | N. Dindorker Dr. P.K. Jain |

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| | | 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 |
| COMPUTER SCIENCE & ENGINEERING | | |
| 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 |

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| | | 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 |
| ELECTRICAL ENGINEERING | | |
| 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 |

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| | | Dr. Tripta Thakur |
| ELECTRONICS & COMMUNICATION ENGINEERING | | |
| 4. | VLSI & Embedded Systems | Dr. M. K. Gupta Dr. R. K. Baghel Dr. Arvind Rajawat Dr. Kavita Khare Dr. Laxmi Kumre Dr. Sangeeta Nakhate 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 |
| ENERGY | | |
| 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 |
| MATHS & MCA | | |

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|-------------------|---|--|
| 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. J. P. Jaiswal |
| 12. | Data Mining | Dr. K. R. Pardasani Dr. Usha Chouhan Dr. Amit Bhagat Dr. Ghanshyam Singh Thakur Dr. Ramjeevan Singh Thakur |
| 13. | Numerical Functional Analysis | Dr. J.P. Jaiswal |
| MANAGEMENT | | |
| 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 |

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| | | Dr. Bikrant Kesari |
| 4. | Training and Development | Dr. Bikrant Kesari Dr. Varsha Rokade |
| MATERIALS SCIENCE & METALLURGICAL ENGINEERING | | |
| 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 |
| MECHANICAL ENGINEERING | | |
| 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 |

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| | | 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 |
| PHYSICS | | |
| 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 |