



## General Department

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## Faculty Publications



- **Prof. N.D.Patel** has presented paper "INVESTIGATION OF MAGNETO HYDRODYNAMICS JH-FLOW PROBLEM USING DIFFERENTIAL TRANSFORM METHOD UNDER THE THERMAL EFFECT" in National conference organized by OM College of Science, Junagadh on 18th Jan-2020
- **Prof. Hemangini S. Shukla** has published paper on "Similarity Analysis of MHD Three Dimensional Nanofluid Flow for Non-Newtonian Power-Law Model over Linearly Stretching Sheet with Convective Boundary Conditions " in "International Journal of Heat and Technology" in March 2020.
- **Dr. N.D.Patel** has published paper " Numerical study of Magnetohydrodynamics Jeffery–Hamel flow with Cu–water Nanofluid between two rectangular smooth walls with transverse magnetic field " in International Journal of Computational Materials.(DOI: 10.1142/S2047684120500104)
- **Prof. Yamini M Parmar** has published paper on " **Edge Vertex Prime Labeling for some graphs** " in "South East Asian J. of Mathematics and Mathematical Sciences" in April 2020.
- **Dr. Tarun Patel** presented a research paper 'Role of Technological Tools and Platforms in ELT Post COVID-19' during the ELT Summit 2020 virtual international conference, June 27-28, 2020.
- **Dr Vashishtha J Patel** has attended and presented a paper entitled 'TEACHING POETRY THROUGH MULTIMEDIA' in the virtual international conference ELT SUMMIT 2020 held on June 27-28, 2020.

## Faculty Trainings



- **Prof. Hemangini S. Shukla** has attended **one week training** on " Faculty Development for Teachers of Technical Courses " at IITE, Gandhinagar during 17-01-2020 to 23-01-2020.
- **Dr Daksha M Diwan** has attended training on "Application of Bhartiya Ganit Shasta in Mathematics(Basic and Advance)" held at GTU, Chandkheda during 27-01-2020 to 01-02-2020.
- **Prof. Ashokkumar Vaghamshi** has attended Twelve Week Massive Open Online Course on "Control Engineering" organized by NPTEL during 27th January, 2020 to 17th April 2020 with 94 % assignments Score.
- **Prof. Sunilkumar Agrawal** has attended Twelve Week Massive Open Online Course on "Fuzzy Sets, Logic and Systems & Applications" organized by NPTEL during 27th January, 2020 to 17th April 2020 with 95% assignments Score.
- **Dr. N.D. Patel** has participated in the **4-days Online Course** on Examination Reforms conducted during 29 April to 2 May 2020 organized by AICTE
- **Prof. Dr. Shashi Vivek Ranga** has attended **one week faculty development program** on "Multimedia enriched e-content development" organized by "GAD-TLC, SGBT Khalsa College, MHRD from May 21st-26th 2020.
- **Prof. Ashokkumar Vaghamshi** has attended online short term training program on "MATLAB based teaching-learning in Mathematics, Science and Engineering" organized by Department of Electronics Engineering, Ramrao Adik Institute of Technology Navi Mumbai in collaboration with Design Tech Systems Pvt. Ltd., Mumbai during 18th May 2020 to 22nd May 2020
- **Dr. Vashishtha J Patel** has attended **two week training program** entitled 'INDUCTION PHASE- 1' (Online) conducted by NITTTR Bhopal in the month of June, 2020.
- **Prof. Ashokkumar Vaghamshi** has attended One Week online Faculty Development Program on "**Energy & Sustainable Development**" organized by N. G. Patel Polytechnic, Isroli-Afwa in Association with Department of Electrical Engineering, during 8th June 2020 to 12th June 2020.

## Expert Lectures



- **Dr. Mahendra A Patel** has delivered expert lecture on “Numerical solution by Homotopy Analysis Method” in STTP on “Numerical Methods and its applications in Engineering” at [LDRP Institute of Technology and Research, Gandhinagar](#) on 10th January, 2020.
- **Dr. Tarun Patel** conducted a Personality Development workshop for the students of Computer Engineering and Information Technology on February 1, 2020.
- **Dr. Tarun Patel** conducted an online Resume Writing workshop for the final year students of the Metallurgy Engineering branch of GEC, Gandhinagar on May 9, 2020
- **Dr. Daksha M Diwan** has delivered webinar on “Differential Equation” organized by science and humanities department, Mahavir swami polytechnic, Bhagwan Mahavir swami University on 11th MAY 2020.
- **Dr. Vashishtha J Patel** has delivered a webinar lecture on GROUP DISCUSSION: ‘A STEPPING STONE TO EMPLOYMENT’ held on May 22, 2020 organized by General Department, Shri K.J.Polytechnic, Bharuch.
- **Prof. Dr. Shashi Vivek Ranga** has delivered a lecture in an international webinar organized by Swami Shri Swaroopanand Saraswati Mahavidyalaya, Bhilai, and Chattisgarh on, “Role of Chemistry in fight against Covid-19 pandemic” on 12 June 2020.



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- **Prof. Dr. Shashi Vivek Ranga** has delivered a lecture in an international webinar organized by Swami Shri Swaroopanand Saraswati Mahavidyalaya, Bhilai, and Chattisgarh on, “Role of Chemistry in fight against Covid-19 pandemic” on 12 June 2020.



- **Dr. Mahendra A Patel** has delivered expert lecture on “Numerical solution by Homotopy Analysis Method” in STTP on “Numerical Methods and its applications in Engineering” at [LDRP Institute of Technology and Research, Gandhinagar](#) on 10th January, 2020.

## Faculty Participation

- **Dr.N.D.Patel** has attended National Webinar on “नए भारत के लिए बौद्धिक संपदा - INTELLECTUAL PROPERTY FOR NEW INDIA” 16th May-2020 organized by GTU.
- **Dr.N.D.Patel** has attended webinar on “ Art of Parenting and child care” on 19th May 2020 which was organized by Children University, Gandhinagar
- **Dr.N.D.Patel** has participated in “National Level NSS quiz-2020” held on 28th May 2020 which was organized by Shree Jayendrapuri Arts and Science College, Bharuch, Gujarat.
- **Dr.Daksha M Diwan** has participated in five day National Webinar Series on “Parivartan: Changing Scenario in Science, Education and Psychology - A Combined Approach” organized by Government Science College, Veraval from 27th May to 31st May ,2020.
- **Prof. Ashokkumar Vaghamshi** has attended five day webinar series on “**Electrical Engineering Practices in Thermal Power Station**” organized by Adani Institute of Infrastructure Engg. (AIIE) and Adani Dahanu Thermal Power Station (ADTPS), Dahanu during 1st June 2020 to 5th June 2020.
- **Prof. Ashokkumar Vaghamshi** has attended series of webinars on, "Latest trends in electrical traction", "Recent Trends on Internet of Things", "Coordination of LV Switchgear", "Electrical Vehicle towards sustainable Transportation", "PV Solar Validation and Testing Capabilities In India", "NBA Accreditation", during May-June 2020.

## Institutional Activity Contribution

There is always  
something **fun** to do!

- National level TECHFEST "Quench-2020"
- Blood Donation Camp
- International Yoga Day

- Women Development Cell



3 - Dr Daksha M Diwan co-ordinator of event NFS Most wanted at TECH Fest –March-2020



4 - Blood donation camp at institute





5 - Faculty on International Yoga day 2020



*6 - Nation Girl Child Day celebrated by Women Development Cell and NSS, Dr Daksha M Diwan Co-ordinator of WDC delivered speech on that event.*



## Special Achievement



- **Prof.N.D.Patel** has completed **Ph.D** in Mathematics on 17-02-2020 from **SVNIT, Surat**