



ASPIRE

BI-ANNUAL NEWSLETTER



January 2021 to June 2021
Issue— 7

GOVERNMENT ENGINEERING COLLEGE SEC -28, GANDHINGAR

FROM DESK OF PRINCIPAL



Dr. S. P. Dave , Principal, GEC–Gandhinagar

It is a matter of proud for me to see one more issue of **ASPIRE** getting published online. This newsletter is intended to create a channel of communication between the faculty members, students and the outside world. It is important to highlight and appreciate the efforts and achievements of both – students and faculty members. **ASPIRE** is aimed at serving both the purposes.

This is the second issue which is published during the **COVID-19** pandemic which has shaken the entire world. But as we can notice, many of us have turned the challenges created by the **COVID-19** into opportunities. The faculty members and students of **GEC, Gandhinagar** also have showed their spirit by continuing to learn online despite all odds; and even they moved further by hosting and participating in various events.

Just to mention some of the programs, the Metallurgy department of the institute organized **Gujcost-DST** sponsored ‘**1st International Conference on Recent Progress in Material Science and Mechanical Engineering- ICRPMSME 2021**’ in collaboration with Government Engineering College, Patan during **May 28 - 29, 2021**. The Computer Engineering Department hosted a series of online workshops for the benefit of students. Other departments of the institute have continued to excel by organizing various events with an objective of spreading the knowledge.

The institute is committed to deliver its best to produce industry-ready students and the 21st century entrepreneurs. This issue of the newsletter features detailed information about the contribution of academic faculty members and our students. It is something that keeps the educational activities in momentum. I am sure we are going to continue such activities and will move on to the path of educational excellence.

With best wishes!!!

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FACULTY ACHIEVEMENTS

BIOMEDICAL ENGINEERING

- ◆ Dr. Vijay P. Dave received a research grant of 21.5 lacs from Gujarat Council on Science and Technology (GUJCOST), Department of Science and Technology, Govt. of Gujarat for research project titled Detection of Diabetic Peripheral Neuropathy Using Perception of Vibration Mechanism and its Electrophysiological Study.

COMPUTER ENGINEERING

- ◆ Prof. Pinal J. Patel completed her PhD on "Intrusion Detection system using Machine Learning Techniques using Cloud Computing " in October, 2020

ELECTRONICS & COMMUNICATION ENGINEERING

- ◆ Prof. Avani A. Vithalani was awarded with PhD degree in the branch of Electronics & Communication Engineering with the Title of Thesis " Optimization of Spectrum Sensing Techniques in Cognitive Radio" from GTU in June-2021. Congratulations to Prof. (Dr.) Avani A. Vithalani
- ◆ Prof. Nilesh M. Bankar has submitted the Minor Research Project Completion Report title on "Design and Implementation of Reconfigurable Digital Filter and Filter Banks for spectrum sensing in Cognitive Radio" to O/o GUJARAT COUNCIL ON SCIENCE & TECHNOLOGY, Dept of Science and Technology, Govt. of Gujarat, in March-2021. Congratulations to Prof. Nilesh M. Bankar

GENERAL & HUMANITIES

- ◆ Prof. Hemangini S Shukla was awarded with PhD degree in the subject of Science-Mathematics with the Title " Similarity and non-similarity Analysis for Engineering Boundary Value Problems" from GTU in September-2020.

METALLURGY ENGINEERING

- ◆ Dr. D G Sharma received research grant from Directorate of Technical Education for collaborative research with IIT Gandhinagar under STEM.
- ◆ Dr. D G Sharma appointed as GTU recognized PhD supervisor.
- ◆ Dr. D G Sharma worked as organizing secretary in ICRPMSME 2021.
- ◆ Dr. D G Sharma worked as Co-convener and delivered an expert lecture on "Metal casting, forming and joining processes" at one day workshop on Metallurgy for Non-metallurgist organized by FICCI, IIM Baroda chapter, MSU Baroda and SRTMI on March 20, 2021.
- ◆ Prof. H H Jadav has coordinated DTE Approved AICTE-GTU sponsored Online FDP- "Metallurgy for All" during 1 - 6, February 2021.
- ◆ Prof. D V Mahant worked as editor of book of abstracts published in ICRPMSME 2021.

FACULTY ACHIEVEMENTS

METALLURGY ENGINEERING (CONT.)

- ◆ Prof. B R Rana has coordinated DTE Approved AICTE-GTU sponsored Online FDP- “Metallurgy for All” during 1 - 6, February 2021.
- ◆ Prof. H. H. Thakar received special appreciation from Hon. Principal Secretary Higher and Tech. Education, Anju Sharma (IAS) for highly esteemed contribution in planning implementation and organizing mega placement camps 2021 in all districts of Gujarat.
- ◆ Prof. H. H. Thakar received special appreciation from National Innovation Foundation-India (DST) for reviewing grassroots innovative ideas under “Inspire - Manak Awards 2020”.
- ◆ Dr Minal S Dani appointed as Co Supervisor for guiding PhD students at GTU.

FACULTY PUBLICATIONS

BIOMEDICAL ENGINEERING

- ◆ Dr. Vijay. P. Dave along with his students Arpit Shrimankar and Devanshi Gokani published an article on 'Computational modeling of NMDA receptor response in Alzheimer's disease' in *Microsyst Technol* (Springer Nature) in January 2021.

COMPUTER ENGINEERING

- ◆ Dr. Pinal J. Patel published a research paper on "Brain Tumor Detection and Segmentation" in a UGC Care Approved Group II Journal, *Gradiva Review Journal*, Volume 7, Issue 5, May 2021

ELECTRONICS & COMMUNICATION ENGINEERING

- ◆ Prof. (Dr.). SHAHID S. MODASIYA has published paper on "A Surface Edge Cutout Microstrip Patch Antenna For 5g Applications" in *Journal Rt&a*, Special Issue No 1, in Volume 16, January 2021.
- ◆ Prof. (Dr.). SHAHID S. MODASIYA has published paper on "A Parametric Analysis And Simulation Study Of Planar Inverted F Antenna For 5g Dongle Application" in 6th International Conference For Convergence In Technology, April–2021, Pune India

GENERAL & HUMANITIES

- ◆ Prof. Sunilkumar Agrawal has published a research paper titled "A novel multi-objective unified optimal power flow based methodology for optimal installation of VSC-HVDC converter" in *International transaction on electrical energy systems journal*, May 2021

INFORMATION TECHNOLOGY ENGINEERING

- ◆ Prof. Komal D. Anadkat has published article on "Web-users behavior prediction using markov model with map reduce" in *International Journal of Engineering development and research* in January 2021.

METALLURGY ENGINEERING

- ◆ Dr. MinalDani, Dr. I. B Dave and Alphonsa Joseph has presented research article on "Improvement In Corrosion Resistance Of Magnesium-Aluminum Alloy Via Friction Stir Processing" at 1st International Conference on Recent Progress in Material Science and Mechanical Engineering- ICRPMSME 2021 during 28 - 29 May , 2021.
- ◆ Vidhi A Mistry, Dr.Minal S Dani and Dr.Indravadan B Dave has presented research article on "A Review on Effect of Alloying Element on Aluminium Anode" at 1st International Conference on Recent Progress in Material Science and Mechanical Engineering- ICRPMSME 2021 during 28 - 29 May , 2021.

FACULTY PUBLICATIONS

METALLURGY ENGINEERING (CONT.)

- ♦ Vishal Kaila and Dr. Indravadan Davehas presented research article on “An investigative analysis on backup coat sands for Investment casting process” at 1st International Conference on Recent Progress in Material Science and Mechanical Engineering- ICRPMSME 2021 during 28 - 29 May, 2021.
- ♦ Rudrang Chauhan, Vinay Kumar Pandit, Shashank Sharma and Purvesh Nanavatihas presented research article on “Modelling On Toughness Of Weld Deposits” at 1st International Conference on Recent Progress in Material Science and Mechanical Engineering- ICRPMSME 2021 during 28 - 29 May, 2021.
- ♦ Rudrang Chauhan, JemishBhayani, Meet Borad, Dr. Daulat Kumar Sharma and BhaveshRanahas presented research article on “Review on gas tungsten arc welding of stainless steel and mild steel plates” at 1st International Conference on Recent Progress in Material Science and Mechanical Engineering- ICRPMSME 2021 during 28 - 29 May, 2021.
- ♦ Achal Sharma, Bhagyesh Shukla, Keval Solanki, Dr. Daulat Kumar Sharma and Naishadh P. Patelhas presented research article on “Effect of Various Fluxes on Different Metals and Alloys in A-TIG Process: A Review” at 1st International Conference on Recent Progress in Material Science and Mechanical Engineering- ICRPMSME 2021 during 28 - 29 May, 2021.
- ♦ YuvrajsinhGohil, UrvikDandawala, PriteshBorad and Devang Mahanthatas presented research article on “Review on impact of environmental pollution caused by foundries.” at 1st International Conference on Recent Progress in Material Science and Mechanical Engineering- ICRPMSME 2021 during 28 - 29 May , 2021.
- ♦ Akash Patel, Ashik Patel, SuketuParmar and Harshdkumar Jadavhas presented research article on “Review on Effect of Heat Treatment on Properties of 2024 Aluminum Alloy.” at 1st International Conference on Recent Progress in Material Science and Mechanical Engineering- ICRPMSME 2021 during 28 - 29 May , 2021.
- ♦ Paras Rank, Samir Rathod, NikunjSavaliya, Dr. Daulat Kumar Sharma and Dr. MinalDani has presented research article on “Effect of Friction Stir Processing on AZ91 Mg-alloy.” at 1st International Conference on Recent Progress in Material Science and Mechanical Engineering- ICRPMSME 2021 during 28 - 29 May , 2021.
- ♦ JayrajParmar, Khyati Patel, Sweta Patel and Dr. Daulat Kumar Sharmahas presented research article on “Galvanizing Coating Defects: Causes and Remedies.” at 1st International Conference on Recent Progress in Material Science and Mechanical Engineering- ICRPMSME 2021 during 28 - 29 May , 2021.

FACULTY PUBLICATIONS

METALLURGY ENGINEERING (CONT.)

- ◆ Naishadh P. Patel, Dr. Jay J. Vora, Dr. Daulat Kumar Sharma and Dr. Gautam H. Upadhyay has presented research article on “Activated Flux Tungsten Inert Gas (A-TIG) welding process for weld depth enhancement - A Review” at 1st International Conference on Recent Progress in Material Science and Mechanical Engineering- ICRPMSME 2021 during 28 - 29 May, 2021.
- ◆ AkshayKanzariya, KaushikMardaniya, Ravi Nakum and Dr. Daulat Kumar Sharmahas presented research article on “Tool used for friction stir processing/welding” at 1st International Conference on Recent Progress in Material Science and Mechanical Engineering- ICRPMSME 2021 during 28 - 29 May, 2021.
- ◆ Dr. DaniMinal Sanjay and Dr. I B Dave has published article on “Utilization of waste foundry reclaimed sand for manufacturing of paver blocks” in Annual technical volume of metallurgical and materials engineering, 35th Indian Engineering Congress (Vol.4) December 18-20, 2020.
- ◆ Purvesh K. Nanavati, Vishvesh J. Badheka, JaynishIdhariya&Darshan Solanki has published research paper on “Comparisons of Different Oxide Fluxes in Activated Gas Tungsten Arc Welding of Duplex Stainless Steels for Improved Depth of Penetration and Pitting Corrosion Resistance” in Advances in Materials and Processing Technologies, ISSN: 2374-068X Online ISSN: 2374-0698, pp1-1826 Apr 2021.
- ◆ Daulat Kumar Sharma, VishveshBadheka, Vivek Patel, GautamUpadhyay has published research paper on “Recent development of hybrid surface Metal Matrix Composites produced by Friction Stir Processing: A Review” in Journal of Tribology, Volume: 143, Issue: 5, Pages: 050801, ISSN: 0742-4787, May 2021

PARTICIPATION IN STTP/SEMINAR/WORKSHOP

BIOMEDICAL ENGINEERING

- ◆ Prof. Ghanshyam D. Parmar attended an Online FDP on “Inculcating Universal Human Values in Technical Education” organized by AICTE during 22-26 March, 2021.
- ◆ Prof. Ghanshyam D. Parmar, Prof. Manan M. Nanavati & Prof. Rutu P. Nayak attended one week ATAL FDP on “Emerging Technologies in Healthcare: IOT, AI, Computational Neuroscience, Wearable Technologies organized by L. D. College of Engineering, Ahmedabad during 18-22 January, 2021.
- ◆ Prof. Priyank K. Shah has attended an Online FDP on “Inculcating Universal Human Values in Technical Education” organized by AICTE during 19-23 April , 2021.
- ◆ Dr. Vijay P. Dave delivered an expert lecture on Mathematical Modeling of Cellular Level Mechanism of Pyramidal Neuron for Alzheimer Disease Using EEG" at Instrumentation and Control Dept., GEC Gandhinagar on 29th January, 2021.

COMPUTER ENGINEERING

- ◆ Dr. Pinal J. Patel delivered an expert talk on “Hands-on Machine Learning with Python” on 24th February, 2021 in an event sponsored by GUJCOST
- ◆ Dr. Pinal J. Patel attended an FDP on "Security and Privacy: Trends and Directions", during 28th April to 4th May,2021.
- ◆ Dr. Pinal J. Patel attended a Training on Gujarat State Wide Indicator Framework Tool (GSWIFT) during 23-25 March,2021.
- ◆ Dr. Pinal J. Patel attended a training on mobile and cloud security: challenges and directions during 3-9 June, 2021.
- ◆ Prof V.R.Patel and Y.P.Tank attended an FDP on ‘Inculcating Universal Human Values in Technical Education’ organized by AICTE, during 19-23 April, 2021
- ◆ Prof. N.D. Shah attended an FDP on ‘Inculcating Universal Human Values in Technical Education’ organized by AICTE during 22-26 March, 2021.
- ◆ Prof N.S.Shroff attended an FDP on PhpMySQL organized by IIT Bombay during 21-27 June, 2021.

ELECTRONICS & COMMUNICATION ENGINEERING

- ◆ Prof. Shahid s. Modasiya has delivered an expert talk on " hands on session: microstrip patch antenna design using simulator " DURING mind merger meet at ce dept, gec-gandhinagar ON 2nd March, 2021.
- ◆ Prof. Avani a. Vithalani has delivered an expert talk on " spectrum sensing techniques in cognitive radio " DURING mind merger meet at ce dept, gec-gandhinagar ON 3rd March, 2021.

PARTICIPATION IN STTP/SEMINAR/WORKSHOP

ELECTRONICS & COMMUNICATION ENGINEERING (CONT.)

- ◆ Prof. Devendra h. Patel has delivered an expert talk on " vlsi: from introduction to application " during mind merger meet at ce dept, gec-gandhinagar on 4th March 2021
- ◆ Prof. Nilesh m. Bankar has delivered an expert talk on "recent trends in wireless networks" during mind merger meet at ce dept, gec-gandhinagar on 5th March 2021.
- ◆ Prof. Suhas h. Patel has delivered an expert talk on " hands on session: microcontroller interfacing " during mind merger meet at ce dept, gec-gandhinagar on 6th March 2021.
- ◆ Prof.(Dr.) Kishor G. Maradia has attended an online training on "Universal Human Values" during 22-26 March, 2021.
- ◆ Prof. Tejas B. Sheth has attended an online training on "Universal Human Values" during 22-26 March, 2021.
- ◆ Prof. Tejas B. Sheth has attended an online NPTEL mooc course on "NBA Accreditation and Teaching- Learning in Engineering (NATE)" during 18th January to 9th Aprill, 2021.
- ◆ Prof. Jignesh K. Bhavsar has attended an online NPTEL mooc course on "NBA Accreditation and Teaching- Learning in Engineering (NATE)" during 18th January to 9th Aprill, 2021.
- ◆ Prof. Avani A. Vithalani has attended an online NPTEL mooc course on "NBA Accreditation and Teaching- Learning in Engineering (NATE)" during 18th January to 9th Aprill, 2021.
- ◆ Prof. Suhas H. Patel has attended an online NPTEL mooc course on "English Language for competitive exams" during 18th January to 9th Aprill, 2021.
- ◆ Prof. Abhinav J. Dave has attended an online NPTEL mooc course on "English Language for competitive exams" during 18th January to 9th Aprill, 2021.
- ◆ Prof. Devendra H. Patel has attended an online NPTEL mooc course on "Transmission Lines and Electromagnetic waves" during 18th January to 9th Aprill, 2021.
- ◆ Prof. Nilesh M. Bankar has attended " Ahmedabad Learning Dialogues - A Conference on Teaching and Learning " during 14-15 May, 2021.
- ◆ Prof. Shahid S. Modasiya has attended an online NPTEL mooc course on "Microwave Integrated Circuits" during 18th January to 12th March, 2021.
- ◆ Prof. Shahid S. Modasiya has attended an online NPTEL mooc course on "NBA Accreditation and Teaching- Learning in Engineering (NATE)" during 18th January to 9th Aprill, 2021.
- ◆ Prof. Sandip J. Dawda has attended an online NPTEL mooc course on "NBA Accreditation and Teaching- Learning in Engineering (NATE)" during 18th January to 9th Aprill, 2021.
- ◆ Prof. Sandip J. Dawda has attended an online NPTEL mooc course on "Principles of Digital Communications" during 18th January to 9th Aprill, 2021.

PARTICIPATION IN STTP/SEMINAR/WORKSHOP

ELECTRONICS & COMMUNICATION ENGINEERING (CONT.)

- ◆ Prof. Nisha K. Prajapati has attended an online NPTEL mooc course on "Introduction to Machine Learning " during 18th January to 9th April,2021.
- ◆ Prof. Nisha K. Prajapati has attended an online NPTEL mooc course on "Computer Vision and Image Processing-Fundamentals and Applications" during during 18th January to 9th April,2021
- ◆ Prof. Sandeep J. Rajput has attended an online NPTEL mooc course on "Microwave Integrated Circuits" during during 18th January to 12th March,2021.
- ◆ Prof. Ujval R. Dave has attended an online NPTEL mooc course on "Microwave Integrated Circuits" during 18th January to 12th March,2021.

GENERAL & HUMANITIES

- ◆ Dr. P L Vihol has delivered a webinar on "Graph Theory: From Fundamentals to the Application " in "MATHS e-talk series" at "GEC, Gandhinagar" on 19th February, 2021.
- ◆ Prof. Y. M. Parmar has delivered a webinar on "Graph Labeling" in "MATHS e-talk series" at "GEC, Gandhinagar" on 20th February, 2021.
- ◆ Dr. Daksha M Diwan delivered webinar on "Hidden Maths of Every life" in "MATHS e -talk series" at "GEC, Gandhinagar" on 22th February, 2021.
- ◆ Prof. Hemangini Shukla delivered webinar on "Linear and Nonlinear Transformations for Computer Application" in "MATHS e -talk series" at "GEC, Gandhinagar" on 23rd February 2021
- ◆ Dr. M. A. Patel has delivered webinar on "Application of Laplace" in "MATHS e -talk series" at "GEC, Gandhinagar" on 24th February, 2021.
- ◆ Prof. A K Rathod has delivered a webinar on" Basic Concept of Eigenvalue and Eigenvector " in "MATHS e -talk series" at "GEC, Gandhinagar" on 25th February,2021.
- ◆ Dr.Niravkumar Dasharathbhai Patel had delivered online expert lecture on "Hand on session: Latex" in "MATHS e -talk series" at "GEC, Gandhinagar" on 26th February,2021.
- ◆ Prof. Hemangini Shukla has attended Webinar on " Financial Planning Tools " organized by WDC cell GEC Gandhinagar on 7th January 2021.
- ◆ Prof. Hemangini Shukla has attended a Webinar on " Dance Therapy " organized by WDC cell GEC Gandhinagar on 2nd March 2021.
- ◆ Prof. Hemangini Shukla has attended a Webinar on " Self Defence: The State of Mind " organized by WDC cell GEC Gandhinagar on 23rd June 2021.
- ◆ Prof. Hemangini Shukla has attended a Webinar on "Yoga: The process of self-discovery" organized by WDC cell GEC Gandhinagar on 8th March 2021.
- ◆ Dr.NiravkumarDasharathbhai Patel had participated in the one week online FDP " Tools and Trends in online Education system " organized by Government Polytechnic, Palanpur, Gujarat during 15-19,March-2021.

PARTICIPATION IN STTP/SEMINAR/WORKSHOP

INSTRUMENTATION & CONTROL ENGINEERING

- ◆ Prof. K K Acharya has delivered an expert session on “Latest Trends in Industrial Automation” for students and faculties of Government Polytechnic, Gandhinagar on 28th April, 2021, on MS Teams platform.
- ◆ Prof. K K Acharya has delivered an expert session on “Latest Trends in Industrial Automation” for students and faculties of Government Polytechnic, Palanpur on 30th April, 2021, on MS Teams platform.
- ◆ Prof. (Dr.) Kalpesh B Pathak has participated in online FDP on "Emerging Technologies in Healthcare: IOT, AI, Computational Neuroscience, Wearable Technologies" conducted by ATAL Academy at LD College of Engineering during 18-22 January, 2021.
- ◆ Prof. K S Vashishtha has participated in GUJCOST sponsored online FDP on "Tools and Trends in online Education system" organised by Electrical Engineering Department, Government Polytechnic, Palanpur, during 15-19 March, 2021.
- ◆ Prof. N V Patel has participated in Three Days Online Faculty Development Program on " Industry 4.0 " by KBTCOE, Nashik- MAHARSTRA during 20-22 May, 2021.
- ◆ Prof. Mukesh B. Hingu has participated in Three Days Online Faculty Development Program on " Industry 4.0 " by KBTCOE, Nashik- MAHARSTRA during 20-22 May, 2021.

INFORMATION TECHNOLOGY ENGINEERING

- ◆ Prof. Komal D. Anadkat has attended NPTEL online course on title “NBA accreditation and teaching” during 18th January to 9th April, 2021.
- ◆ Prof. M.N.Pateland Prof. S.B.Patel attended an FDP on ‘Inculcating Universal Human Values in Technical Education’ organized by AICTE during 22-26 March, 2021.

METALLURGY ENGINEERING

- ◆ Dr. I B Dave delivered expert lecture on “Surface composite manufacturing by friction stir welding” at one week STTP on Recent trends in advanced manufacturing processes” organized by Mechanical Engineering Department, LEC Morbi during 5-9 April, 2021.
- ◆ Dr. I B Dave delivered expert lecture on “Heat Treatment Principles & Processes” at DTE Approved AICTE-GTU sponsored Online FDP- “Metallurgy for All” during 1 - 6 February, 2021.
- ◆ Prof. S.I.Patel has delivered online expert talk on the topic entitled “Application of Material Science in computer Engineering” at MIND MERGE organized by Computer Engineering department GEC-Gandhinagar on 1st March, 2021.

PARTICIPATION IN STTP/SEMINAR/WORKSHOP

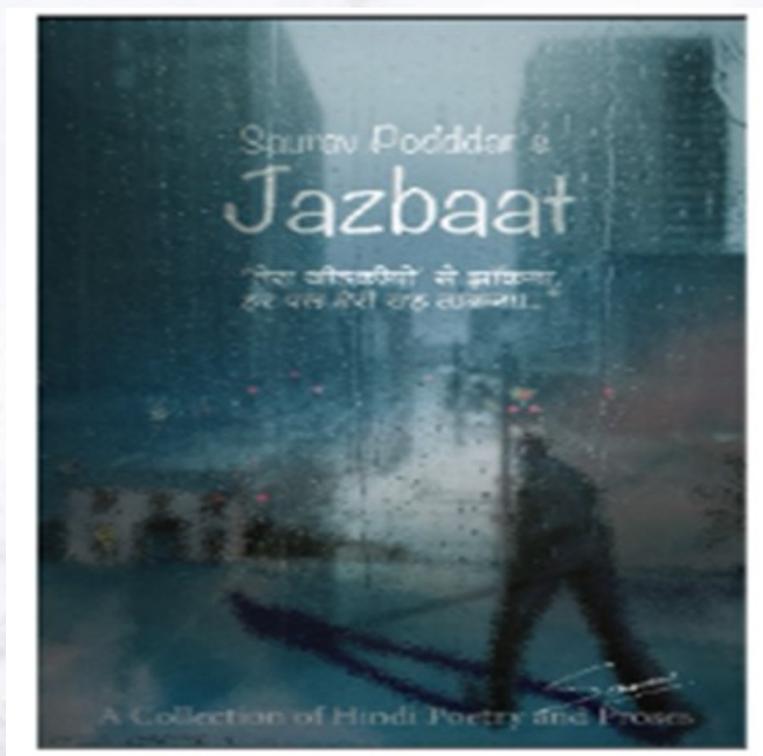
METALLURGY ENGINEERING (CONT.)

- ◆ Dr. D G Sharma delivered an expert lecture on “Corrosion Principles, Types, Protection and Testing” at DTE Approved AICTE-GTU sponsored Online FDP- “Metallurgy for All” during 1 - 6 February, 2021.
- ◆ Dr. D G Sharma delivered an expert lecture on “Surface Composite Manufacturing by Friction Stir Processing” under student chapter activity of Indian Institute of Welding (IIW) at Parul University on 6th February, 2021.
- ◆ Dr. P K Nanavati delivered guest lecture on "Arc Welding Process Characteristics" on 20th February 2021 at IIW Baroda Chapter sponsored two days workshop on EN Code.
- ◆ Dr. P K Nanavati delivered a talk on "Destructive Testings on welded joints" In Welding Inspector Course (WIC2021), organized by Indian Institute of Welding (IIW) Baroda Chapter on 24th January 2021.
- ◆ Prof. D V Mahant delivered two expert talks on “Road map to iron and steel industries” and “Secondary steel making” at DTE Approved AICTE-GTU sponsored Online FDP- “Metallurgy for All” during 1 - 6 February, 2021.

STUDENT ACHEIVEMENTS & PARTICIPATION

BIOMEDICAL ENGINEERING

- ♦ Vohara Minaz, passout student of 2020 secured overall 1st Rank (GTU Branch Topper) for B.E - Biomedical Engineering Discipline was awarded “GOLD MEDAL”
- ♦ Harshilchand Thakur, a student of Semester 6 served as Community Service Director in Rotaract Club of Ahmedabad Narol, in which he did many Community welfare activities like Food and Cloth Distribution, Tree plantation, Blood donation camp, Awareness drive etc.
- ♦ Harshilchand Thakur, a student of Semester 6 is currently designated as TEACH Chairman in Rotaract Club of Ahmedabad Narol for 2021-2022. Having a motto to educate people and give awareness about Education to them.
- ♦ Jethva Divyanshi, a student of Semester 8, completed a training course of 60 hours and secured A1 grade on “Digital Marketing with SEO” at The National Small Industries Corporation Limited, Rajkot (Technical Service Center). The said course was funded under RUSA scheme with co-operation of KCG, Education Department (Govt. of Gujarat)
- ♦ Hetvi Dhimmar, a student of Semester 6 has undergone a Hospital Training at Mahavir Hospital, Surat between January 04, 2021 to February 01, 2021.
- ♦ Zalavadiya Dharmik, a student of Semester 8 has launched his own blog www.24helpblog.com where contents regarding various software operating tips and fundamental knowledge is being shared
- ♦ Sauravsuman Poddar, a student of Biomedical Engineering semester 6 got his book ‘Jazbaat’, a collection of hindi poetry, self- published. It is available at Amazon Kindle in Ebook edition.



STUDENT ACHEIVEMENTS & PARTICIPATION

COMPUTER ENGINEERING

- ♦ Sanidhya Patel from Computer Engineering Semester 3 was awarded the 2nd Best Innovator of India for the Year 2020 from Hyundai Motor India Foundation. He represented Gujarat and our college

ELECTRONICS & COMMUNICATION ENGINEERING

- ♦ *Ms. Bhatt Nidhi Sudhirbhai student of B.E (Electronics and Communication Engineering) Enrollment No. 190133111004 has successfully completed "Industrial Training" during the 26th, May 2021 to 10th, June 2021.*
- ♦ *Ms. Bhakti Parekh student of B.E (Electronics and Communication Engineering) Enrollment No. 180130111058 has successfully completed more than 11 Online Courses during the period Jan-June 2021 under the online learning platforms provided by TCS, Udemey, Coursera.*
- ♦ *Mr. Manan Patel student of B.E (Electronics and Communication Engineering) Enrollment No. 180130111064 has successfully completed more than 02 Online Courses (Python and SQL) during the period Jan-June 2021 under the online learning platforms provided by Sololearn.*
- ♦ Ms. Bhatt Nidhi Sudhirbhai student of B.E (Electronics and Communication Engineering) Enrollment No. 190133111004 has successfully attended the webinar on "Profile building & carrer opportunity" under AICTE for N.E.A.T2.0 by carrerlabs.
- ♦ Ms. AANGI SHAH, student of B.E (Electronics and Communication Engineering) Enrollment No. 170130111094 have participated in DD National Robocon 2021 hosted by Indian Institute of Technology, Delhi. Basically two robots were designed and manufactured by a team of young engineers under GTU Team-A & B. Both the teams have cleared the Stage-I of Robocon 2021. Being a team member of GTU Robocon Team, Aangi Shah have drafted a content for Stage 1. It is a matter of feeling proud and honor that both the teams GTU Team-A and GTU Team-B have qualified for Stage 2 with having a score of 100/100 and 96/100 respectively (Source: <http://www.ddrobocon.in/>).
- ♦ Mr. AMARTYA SINGH, student of B.E (Electronics and Communication Engineering) Enrollment No. 180130111096 secured GATE Score of 445 with AIR: 4077 out of 80629 candidates appeared in GATE-2021 Examination.
- ♦ Mr. Joshi Harshav student of B.E (Electronics and Communication Engineering) Enrollment No. have successfully attended online Webinar on THEME: Fire Safety Awareness organized by GTU on 12th June 2021.
- ♦ Ms. Bhakti Parekh student of B.E (Electronics and Communication Engineering) Enrollment No. 180130111058 awarded with certificate of completion in Basic German Language Skills as well as Basic French Language Skills For Everyday Life by Alison.
- ♦ Mr. Joshi Harshav student of B.E (Electronics and Communication Engineering) Enrollment No. have successfully attended online Webinar on Self Defence-The state of Mind organized by Women Development Cell, GEC Gandhinagar on 23rd June 2021.

STUDENT ACHEIVEMENTS & PARTICIPATION

ELECTRONICS & COMMUNICATION ENGINEERING(CONT.)



Stage-I: Results for DO-Robocon 2021 (March 20, 2021)

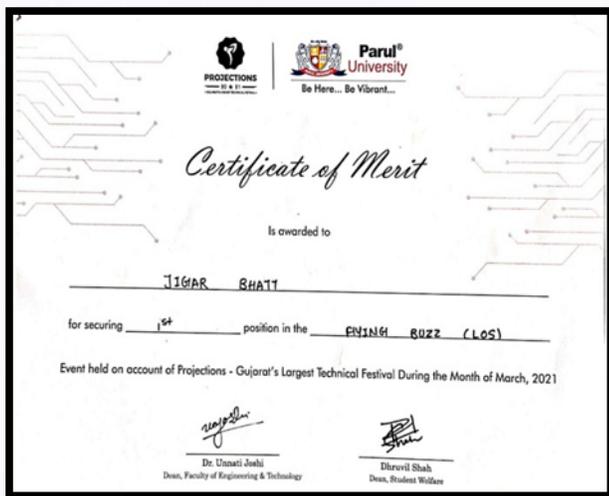
S.No.	University/College/Institute Name	Registration Fee of Rs. 2000	Solution (40)	Design (40)	CAD Model (40)	Total Marks (160)	Remarks
FOLLOWING TEAMS ARE SHORTLISTED FOR STAGE 2							
1	I.C.Patel College of Engineering, Kharajpur, New Mumbai	Paid	20	40	40	100	
2	SAHYA KISHOR GARG ENGINEERING COLLEGE	Paid	20	40	40	100	
3	Bannari Amman Institute of Technology - Team C [Team leader: Rohan Shandil]	Paid	18	40	40	98	
4	Bannari Amman Institute of Technology Team D [Team leader: Sarvag V]	Paid	19	32.5	40	92.5	
5	Bannari Amman Institute of Technology Team B [Team leader: Rock Richard S]	Paid	19	30	40	89	
6	Bannari Amman Institute of Technology Team A [Team leader: Nandakumar J]	Paid	19	32.5	35	86.5	
7	BIRLA INSTITUTE OF TECHNOLOGY MESRA	Paid	20	40	40	100	
8	BRAC'S Vishwakarma Institute of Technology, Pune	Paid	20	40	40	100	
9	College of Engineering Pune	Paid	20	40	40	100	
10	D. Y. Patil College of Engineering, Akurdi	Paid	20	40	40	100	
11	P. J. C. Rodrigues Institute of Technology, Vasai	Paid	20	40	40	100	
12	G.M. Patil College of Engineering & Technology	Paid	20	40	40	100	
13	GOVERNMENT COLLEGE OF ENGINEERING AND RESEARCH, AVASARI, WAJARI, PUNE	Paid	20	40	40	100	
14	Government College of Engineering, Amravati	Paid	19	32.5	35	86.5	
15	Government College of Engineering, Aurangabad	Paid	20	40	40	100	
16	Gujarat Technological University Team A [Team Leader: Anand Pandit]	Paid	20	40	40	100	
17	Gujarat Technological University Team B [Team Leader: Ramani maset]	Paid	20	40	36	96	



STUDENT ACHEIVEMENTS & PARTICIPATION

INSTRUMENTATION & CONTROL ENGINEERING

- ♦ JIGAR BHATT from semester-7, IC was the Winner of FlyingBuzz event at Parul University- Baroda for Line of Sight (LOS) Drone flying.
- ♦ SMIT RAMESHBHAI from semester-7, IC participated in Gujarat state individual yogasana sports championship 2021 which was held during 12–21 March, 2021. He participated in senior boys group & achieved 2nd rank(Runner Up) position & selected for national level Championship.



INFORMATION TECHNOLOGY ENGINEERING

- ♦ ShabbirMarfatiya, a student of 8th Semester IT has earned the award “Perform Foundational Data,ML and AI Tasks” from Google Cloudon 16th February 2021.
- ♦ VrageshVagadiya, a student of 8th semester IT completed the online course ‘The Complete Web Development Course with PHP,PDO & MySQL’ on Udemy.He has awarded with course completion certificate on 25th February 2021.
- ♦ ShabbirMarfatiya, a student of 8th Semester IT has successfully completed ‘Buliding Web Application in Django’, an online course authorized by University of Michigan, on coursera.He has awarded with course completion certificate on 16th January 2021

DEPARTMENTAL ACTIVITIES

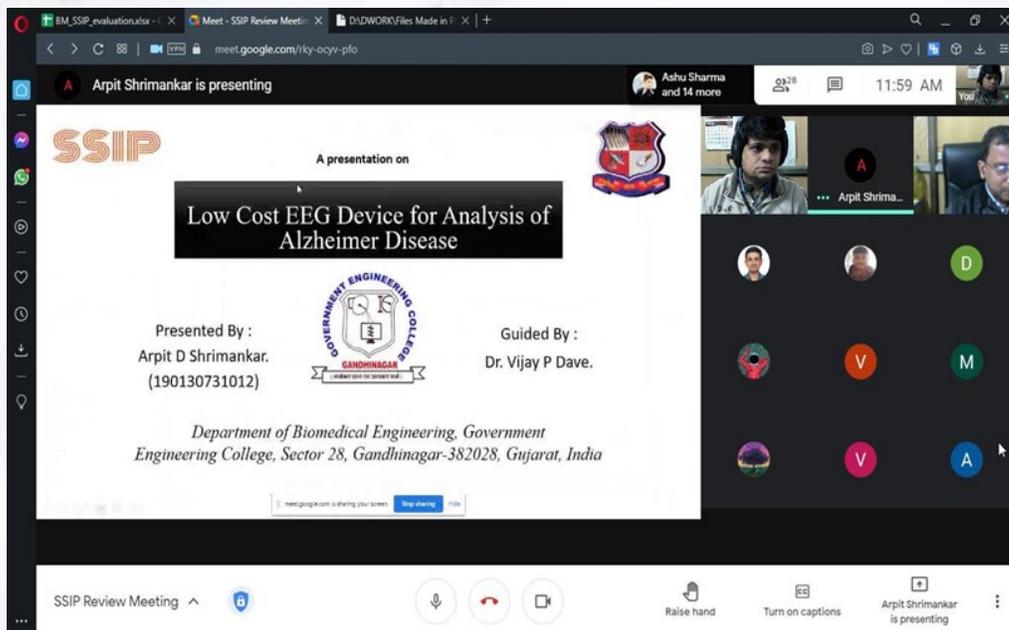
Learning is not limited to the classroom, in fact learning in the classroom is a very tiny part of all the knowledge student's gain in their academic career. Therefore the various departments of Government Engineering College, Gandhinagar always comes up with innovative ideas and practices to bring learning out of the classroom make it more interesting. Next section focuses on the various activities organized by the various department in the first half of this year.

BIOMEDICAL ENGINEERING

DEPARTMENTAL ACTIVITIES

SSIP Potential Project Identification Meeting

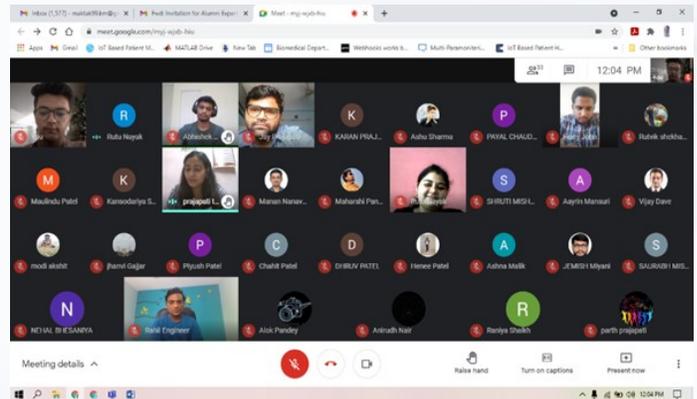
- ◆ The Department of Biomedical Engineering organized a SSIP Potential Project Identification Meeting for students and their project mentors who have proposed for funding under SSIP scheme on 12th January, 2021 on the Google Meet Platform. The meeting started at 11.30 a.m. Prof. G. D. Parmar, HOD, BM Department welcomed the gathering. He handed over to Prof. Piyush Patel. He compared the program.
- ◆ Industrial Experts were:
 - ◆ 1. Mr. Keyur Ranpariya, Territory Manager - Business Solution, HORIBA India Private Limited, New Delhi - 110020.
 - ◆ 2. Mr. Manish Mandaviya, Sales Service Manager, Shriji Health Care, Ahmedabad.



DEPARTMENTAL ACTIVITIES

Alumni Meeting/Expert Talk

- ♦ The Department of Biomedical Engineering organized an alumni meeting for all batches on 11th April, 2021 on the Google Meet Platform. The meeting started at 10.00 a.m. with a prayer. Prof. Ghanshyam Parmar, HOD, BM Department welcomed the gathering. He handed over to Prof. Rutu Nayak. She compered the program.
- ♦ Expert talks on different topics were delivered by alumni experts. Total 53 participants including alumni, current students and teachers participated in the event. Students and staff shared the memories, most of them volunteered to render services for the benefit of the current students of BM departments. The event was stimulating and enjoyable and simultaneously profitable as all insights came up.



Details of Alumni Expert is given below:

Session 1- 10.00AM to 11.00AM	
Talk on Journey as a Biomedical Engineer and Opportunities for BME in United States	
Mr. Rutvij Mavani	Project Leader at Medtronic, Santa Rosa, California Graduate from Stevens Institute of technology, NJ
Session 2- 11.00 AM to 12.00	
Talk on Journey as a Biomedical Engineer and Opportunities for BME in India	
Mr. Jay Prajapati	Engineer- Medical Device Regulatory at TATA Elxsi Ltd. Pune

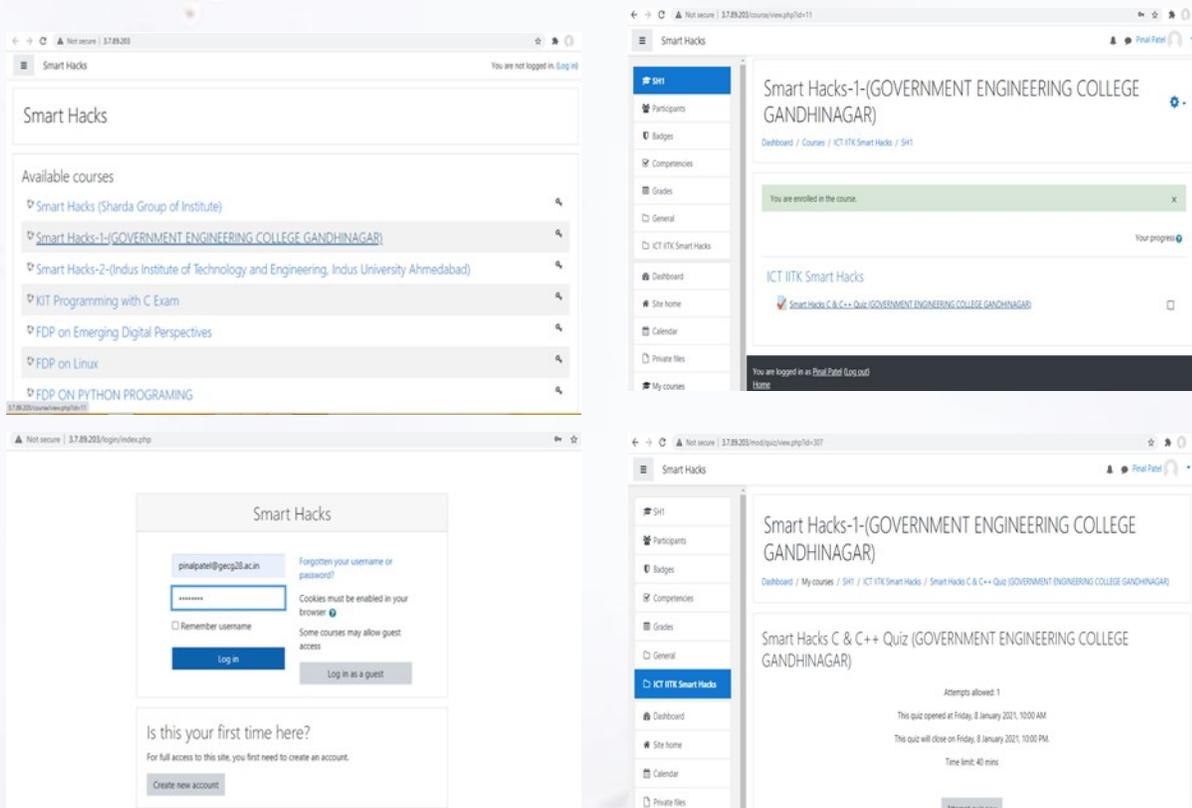
COMPUTER ENGINEERING



DEPARTMENTAL ACTIVITIES

“SMART HACKS - 2020-21”

An Online Programming Quiz “SMART HACKS - 2020-21” organized in collaboration with EICT Academy- IIT, Kanpur on 8th January, 2021. The program was coordinated by Dr. Pinal J. Patel and Prof. Ashwin Prajapati



Techno Pull Talk Series - Let's pull the techno tool organized in collaboration with IIT Kanpur Handshake. The program was coordinated by Dr. Pinal J. Patel and Prof. Ashwin Prajapati

TWO weeks Webinar on Recent Technology
TECHNO PULL TALK SERIES
~Let's pull the techno tool
GEC - Gn -- Elan IIT, Kanpur handshake

Topic	Speaker	Dates	Time
PYTHON	Mr. Kuldeep Gusain	16th & 17th April	02:00pm to 04:00pm
MACHINE LEARNING	Mr. Jeetendra Singh	19th to 23rd April	02:00pm - 04:00pm
DATA ANALYTICS	Mr. Rahul Gupta	24th, 26th & 27th April	02:00pm - 04:00pm
CYBER SECURITY	Mr. Rahul Gupta	28th to 30th April	02:00pm to 04:00pm

Dr. Shweta Dave (Principal), Dr. D.A. Parikh (HOD, CE), Prof. J.S. Dhobi, Dr. Pinal Patel (Co-ordinator), Prof. Ashwin Prajapati (Co-ordinator)

DEPARTMENTAL ACTIVITIES

MATHS E-TALK SERIES was organized By Dr. Pinal J. Patel during 19-26 February, 2021.

CE Dept. of GEC-Gn brought to you a

MATHS E-TALK Series

Get ready for a deep dive from **Knowledge to Application**

Registration Link
<https://forms.gle/hYFsVIBSDHpp5B9c9>

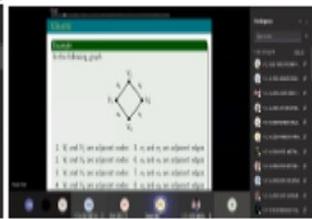
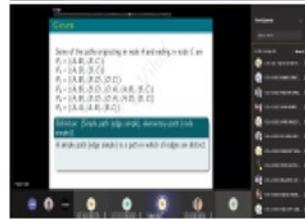
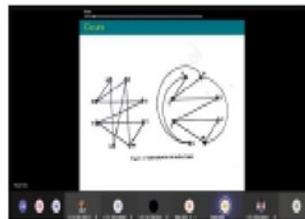
Webinar Link
http://tiny.cc/math_etalk_series

Organized by Computer Engineering (CE) Department

Speakers and Topics:

- Dr. Prakash Vihol**: Graph Theory: From the Fundamentals to the Application (19/2/2021 3.30pm to 5pm)
- Prof. Yamini Parmar**: Graph Labeling (20/2/2021 11.30am to 1pm)
- Dr. Daksha Diwan**: Hidden Maths of Everyday Life (22/2/2021 11.30am to 1.00pm)
- Dr. Hemangini Shukla**: Linear and Non Linear Transformations for Computer Application (23/2/2021 2pm to 3.30pm)
- Dr. M. A. Patel**: Application of Laplace (24/2/2021 2pm to 3.30pm)
- Prof. A.K.Rathod**: Basic Concepts of Eigenvalue and Eigenvector (25/2/2021 2pm to 3pm)
- Dr. N.D.Patel**: Hands on Session: "LATEX" (26/2/2021 11.30am to 1.30pm)

Organizers: Dr. Shweta Dave (Principal), Dr. D. A. Parikh (HoD, CE Dept.), Prof. J. S. Dhobi (H.O.D. CE Dept.), Dr. Pinal Patel (Event Coordinator)



MIND MERGER E- MEET was organized by Dr. Pinal J. Patel during 1-6 March , 2021

MIND MERGER E-MEET

- let's merge the urge

Registration Link
<https://forms.gle/xrHjKMPH6Bd10wi19>

Join Us
http://tiny.cc/mind_merger_meet

Speakers and Topics:

- Prof. Devang Mahant**: Application of material science in computer engineering (1/3/2021 3 PM to 4 PM)
- Dr. Shahid Modasiya**: Hands on session: Microstrap patch antenna design using simulator (2/3/2021 3 PM to 4.30 PM)
- Prof. Avani Vitthalani**: Spectrum sensing techniques in cognitive radio (3/3/2021 3 PM to 4.30 PM)
- Prof. Devendra Patel**: VLSI : from introduction to application (4/3/2021 2 PM to 3.30 PM)
- Prof. Nilesh Banker**: Recent trends in wireless network (5/3/2021 2 PM to 3.30 PM)
- Prof. Suhas Patel**: Hands on session: Microcontroller Interfacing (6/3/2021 11 AM to 12.30 PM)

Organizers: Dr. Shweta Dave (Principal), Dr. D.A.Parikh (HoD, CE), Prof. J.S.Dhobi (HoD, CE), Dr. Pinal Patel (Event Co-ordinator)

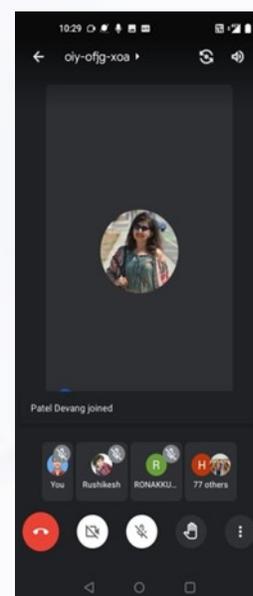
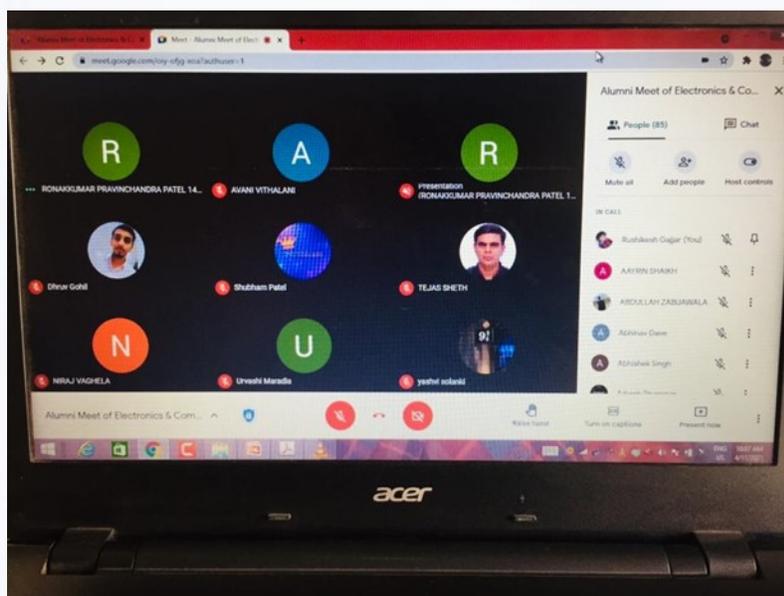
Designed by Viveena Rathi

**ELECTRONICS &
COMMUNICATION
ENGINEERING**

DEPARTMENTAL ACTIVITIES

Online Alumni Meet—2021

The Department of ELECTRONICS & COMMUNICATION ENGINEERING had organized an Online Alumni Meet- 2021” for all batches on 11th April 2021-Sunday through Google meet platform. In total, 95 nos. stakeholders have participated in this online alumni meet. Our alumni and faculty members have participated in this Online Meet by delivering the expert talk and sharing their memories with the department, most of them volunteered to render services for the benefit of the current students of Electronics & Communication Engineering Department, Government Engineering College, sector-28, Gandhinagar



During the Online Alumni Meet-2021, department has arranged a “TECHNICAL TALK” from alumnus towards the larger benefits of stakeholders of E&C department.

Sr. No.	Topic of the talk	Expert Details	Date & Mode of Conduction
1	My journey in full-stack (MongoDB, ExpressJS, ReactJS, NodeJS) and career Opportunities in Industry	Mr. Ronakkumar P Patel Software Engineer / Full Stack Web Developer at Apple inc. (USA)	11/04/2021 via Online Platform: Google Meet as part of Alumni Meet-2021.
2	My journey in Embedded System	Ms. Pooja Shah Junior Embedded Engineer at Digital Reach Pvt. Ltd, Ahmedabad	11/04/2021 via Online Platform: Google Meet as part of Alumni Meet-2021.

DEPARTMENTAL ACTIVITIES

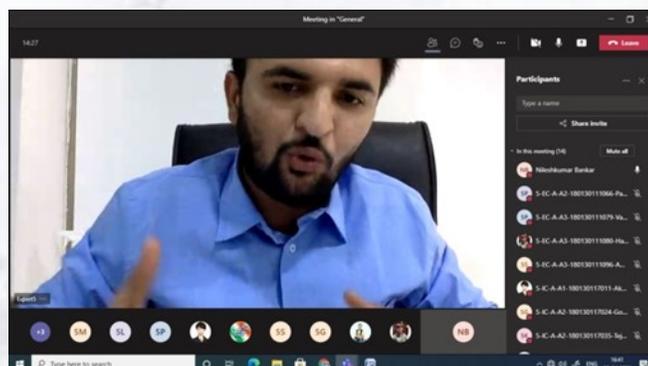
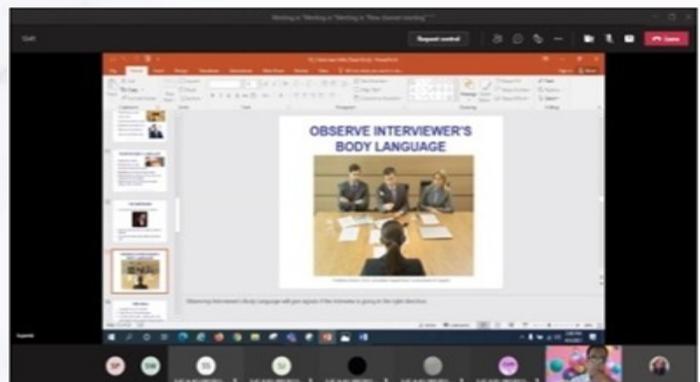
Finishing School Program—2021

Electronics & Communication Engineering Department has organized Finishing School Programme (FSP), one of the flagship programs started by Knowledge Consortium of Gujarat established by the Department of Education, Government of Gujarat towards enhancing the Soft-Skills and related activities for the benefit of students.

In total, 52 Students of Pre-Final Year E&C students have been benefited by this Finishing School Programme (FSP) in two consequent batches during the following schedule:

Batch-1: Duration : 01–05 April, 2021; Resource Person: Mr. Ershad Ali Syed, Empanelled KCG Trainer

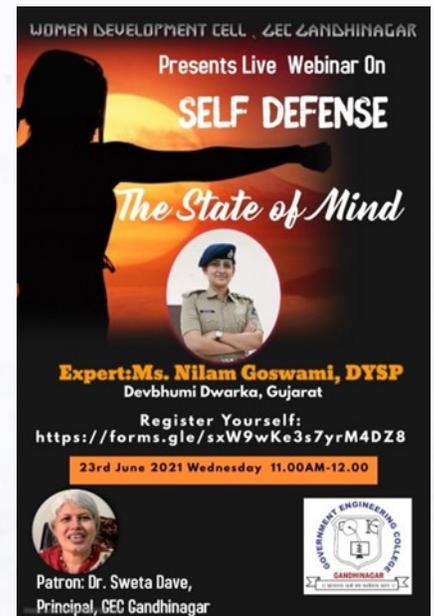
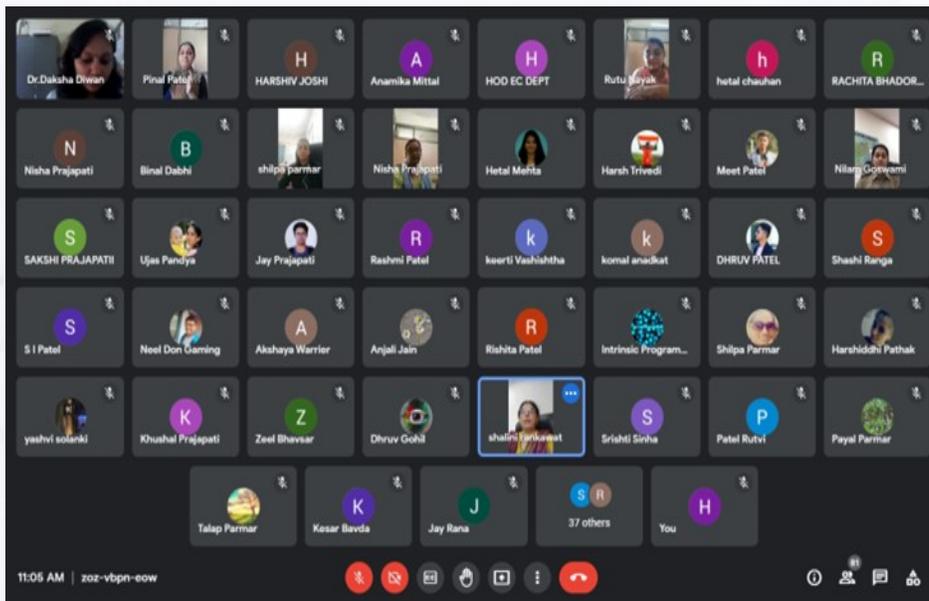
Batch-2: Duration : 05–14 April, 2021; Resource Person: Mr. Mehul Soni, Empanelled KCG Trainer



GENERAL & HUMANITIES

DEPARTMENTAL ACTIVITIES

- ◆ Dr Daksha M Diwan organized a webinar on “Financial Planning Tools” under Women Development Cell, GEC-GN on 7th January, 2021 at online platform during Time: 3:30 to 5:00. Jayank Jain, Stock Holding Corporation On India Ltd. Branch Manager was a speaker for this session
- ◆ Dr Daksha M Diwan organized a webinar on “Dance Therapy” under Women Development Cell, GEC-GN as a part of celebrating women’s Day on 2nd March, 2021 at online platform during Time: 1:00 to 2:00. Shraddha Shah Raj ,(ZEE TV Fame SUPER MOM) Director of Shraddha's Tapperz Dance Skool was a speaker for this session.
- ◆ Dr Daksha M Diwan organized a webinar on “Yoga: The process of self -discovery” under Women Development Cell, GEC-GN as a part of celebrating International Women’s Day on 8th March, 2021 at online platform during Time: 11:00 to 12:30. Dr Nehal Indravadan Joshi, Assistant Professor, Mechanical Engineering Department, SVBIT, Gandhinagar was a speaker for this session.
- ◆ Dr Daksha M Diwan organized a webinar on “Self Defence: The State of Mind” under Women Development Cell, GEC-GN as a part of celebrating International Women’s Day on 23rd June, 2021 at online platform during Time: 11:00 to 12:30. Ms. Nilam Goswami, Deputy Superintendent of Police, Devbhoomi Dwarka was a speaker for this session.
- ◆ Faculties of Mathematic Sections has delivered expert talk in the event “ MATHS E-TALK SERIES” organized during 19- 26 February, 2021.
- ◆



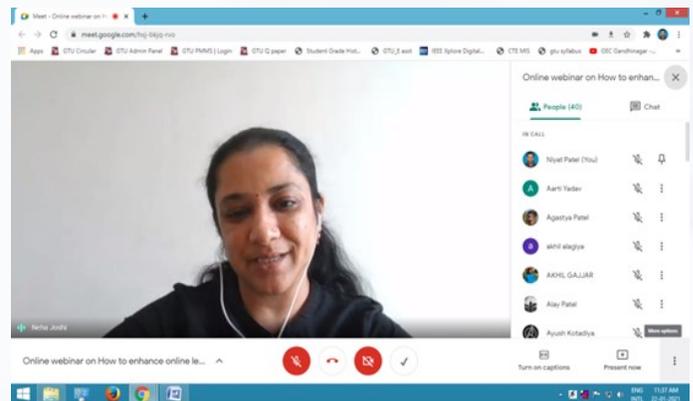
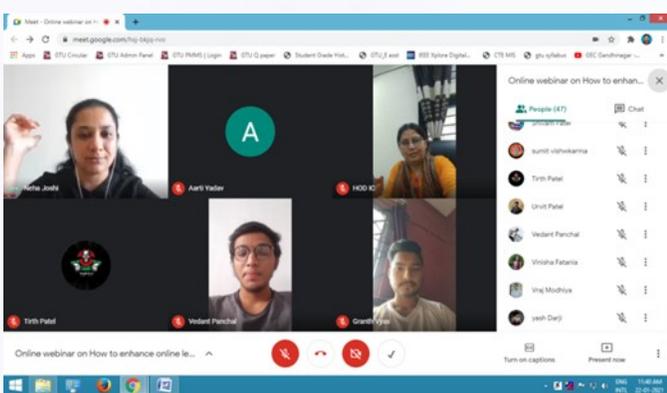
INSTRUMENTATION & CONTROL ENGINEERING



DEPARTMENTAL ACTIVITIES

WEBINARS

A webinar on “HOW TO ENHANCE ONLINE LEARNING” was organised by IC Department and the session was conducted by Dr. Neha Joshi, Faculty, Communication Skills Department, Kadi Sarva Vishwavidyalaya, Gandhinagar. The webinar was organised for Semester-4 IC Students to enhance their online learning skills during pandemic duration. Several Ways to Enhance the Learning Process in Online Education were discussed during the webinar. The ways included were Effective Approach, Courses Empowered with Videos, Improves Digital Proficiency, Embrace the Power of Communication, Content Creation, Flexible Lesson Plans, A Team of Competent and Skilled Teachers, Result-Oriented Assessments



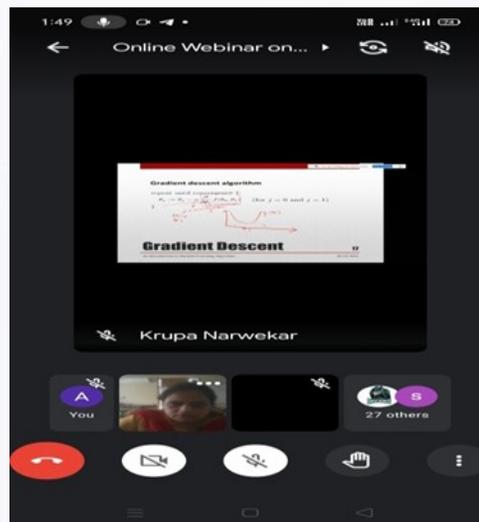
- ♦ A webinar was organised by IC Department on “How soft skills play role in shaping personality”, on 28-01-2021 by IC Department and the session was conducted by Prof. Dhavani Pandya, Assistant Prof. (English & Soft Skills) St. Kabir Institute of Professional Studies, Ahmedabad. The webinar was organised for Semester-4 IC Students to enhance their soft skills since soft skill is an important aspect in their societal interactions and building their successful career. In the webinar students were taught about components and basic aspects of Soft skills.



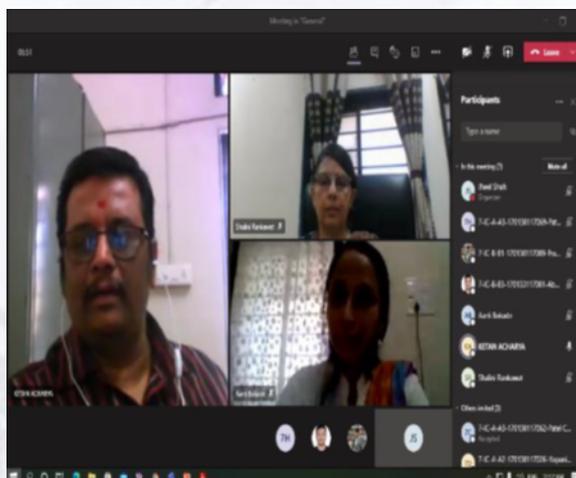
DEPARTMENTAL ACTIVITIES

WEBINARS

A webinar was organised by IC Department on “Machine Learning Algorithms”, on 9th February, 2021 by IC Department. The session was conducted by Dr. Krupa Narwekar, Asst. Prof. (I.C.), SVIT, Vasad. The webinar was organised for Semester-6 Students under an Elective Subject: Artificial Intelligence & Machine Learning: AIML (3161710). The students were given understanding about basic Machine Learning Algorithms and its implementation on Python. The expert also highlighted about the various tools that can be used for implementing Machine Learning Algorithms.



A webinar was organised by IC Department on “Improvement in soft skills and personality” on 20th February, 2021. The session was conducted by Prof. K. K. Acharya, Asst. Prof. (I.C.), GEC, Gandhinagar. It gave opportunity to students of sem-8 (IC) to understand the importance of Job interview. Various topics such as Information about placement fair to be conducted by Govt. of Gujarat, Placement opportunities in Placement Fair, Various types of companies in Placement Fair, Brief idea about range of pay packages, Tips for interview, Dos and Don'ts for interview were covered in webinar. At the end, students cleared their doubts by asking various career related question. The webinar was very informative for students and will be quite useful for their academic as well as their career path.



DEPARTMENTAL ACTIVITIES

WEBINARS

A webinar was organised by IC Department on “Sensitization Lecture on ISA Membership benefits” on 04th March, 2021. The session was conducted by Prof. K. K. Acharya, Asst. Prof. (I.C.), GEC, Gandhinagar. It was organized for Semester-IV & VI IC Students. In the webinar the students were briefed about following particulars:

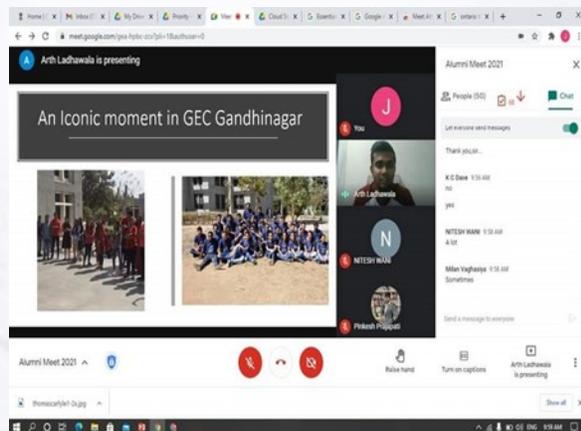
1. Dept. ISA Students ‘Chapter
2. Activities carried under Dept. ISA Students ‘Chapter
3. Membership Benefits
4. How to become Member of ISA Students Chapter

The Instrumentation & Control Department celebrated Swami Vivekanand Birthday on Online platform on 12th January, 2021.

A Tribute to Mahatma Gandhiji was given on Nirvaan Divas by IC department on 30th January, 2021.

ALUMNI MEET—2021

Instrumentation & Control Department organized an online Alumni Meet on 11th April, 2021. Mr. Vrushank Shah (Alumni student graduated in year 2017 GEC, IC) shared his views on ‘Higher Studies and life in Canada’. Mr. ArthLadhawala (Alumni student graduated in year 2019 GEC, IC) also shared his view on “Opportunities in Canada”.



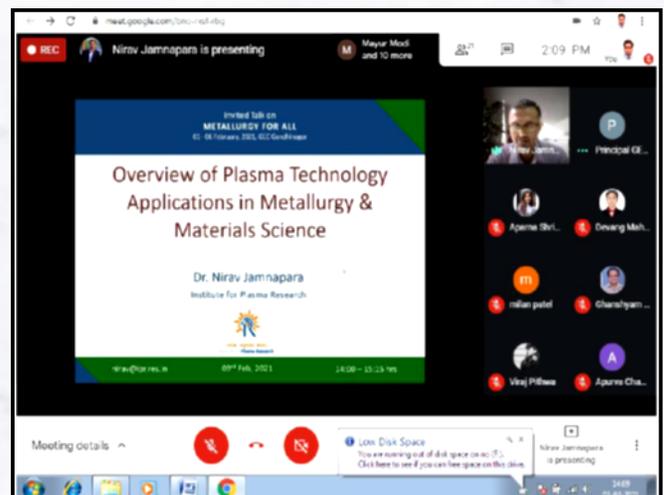
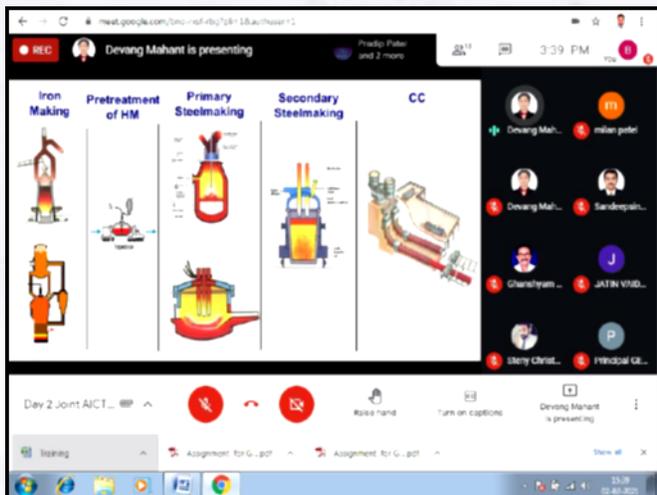
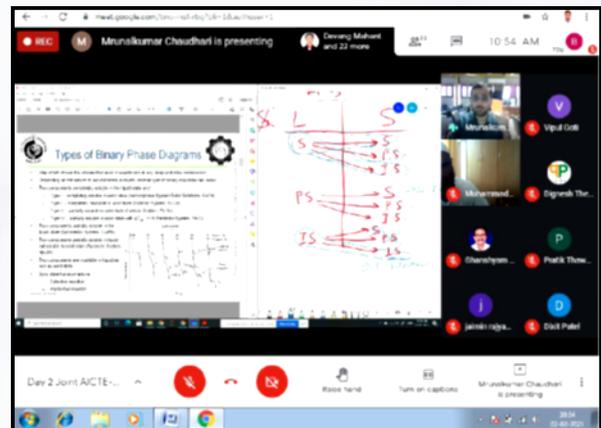
METALLURGY ENGINEERING



DEPARTMENTAL ACTIVITIES

FACULTY DEVELOPMENT PROGRAM “METALLURGY FOR ALL”

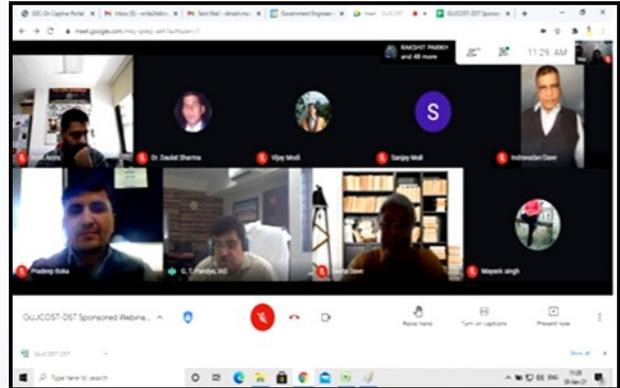
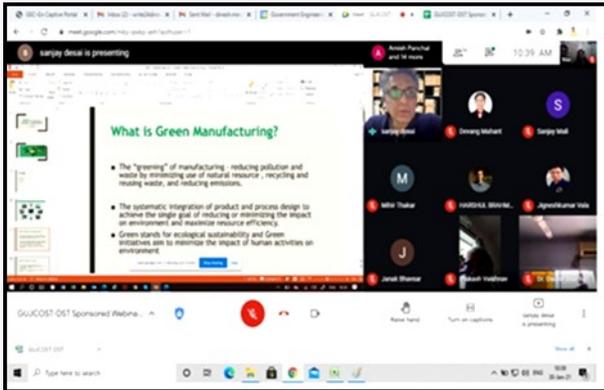
- ◆ AICTE- GTU sponsored one week Online Faculty Development program on “Metallurgy For All” was organized during 1 - 6 February , 2021 by Metallurgy department, GEC Gandhinagar. This FDP was coordinated by Prof H H Jadav and Prof. B R Rana. In the Inauguration ceremony, Mr Amish Panchal, (Owner) Kastwel industries, IIF (Ex . Chairman) was invited as a guest for motivation speech. 31 participants from various GTU affiliated institutes have participated in this FDP. Participants had complete exposure of manufacturing process and materials in this six days having different 22 session which include the basic fundamentals of the metallurgy and material science, iron and steel making, advance technology in the field of plasma, welding technology and advance solid state process, metal working process, corrosion engineering, surface engineering, foundry technology, Non-destructive testing, failure analysis and characterization, etc. At the last day, Shri G. T. Pandya sir, Director of Technical Education, Government of Gujarat



DEPARTMENTAL ACTIVITIES

WEBINAR ON “GREEN MANUFACTURING PROCESSES” ALUMNI & STAKEHOLDER’S MEET

- ♦ Metallurgy department, GEC, Gandhinagar has successfully organized one day webinar on “Green Manufacturing Processes” dated 30th JANUARY 2021. Webinar was organized by coordinators Dr. Minal Dani and Prof. D D Mevada through Google meet link: <https://meet.google.com/mky-qwkp-aej> and almost more than 80 participants from various Industries, Institutes all over the India have joined and took knowledge in field of Green Manufacturing processes in area of Foundry, Welding Industry, Plasma Technology, Solar Energy and Green house technology. In this webinar chief guest Shri. G T Pandya, Commissioner of Technical Education, Gujarat, motivated all participants of this webinar.

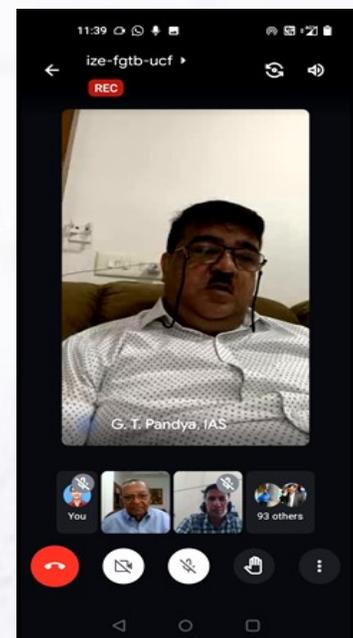
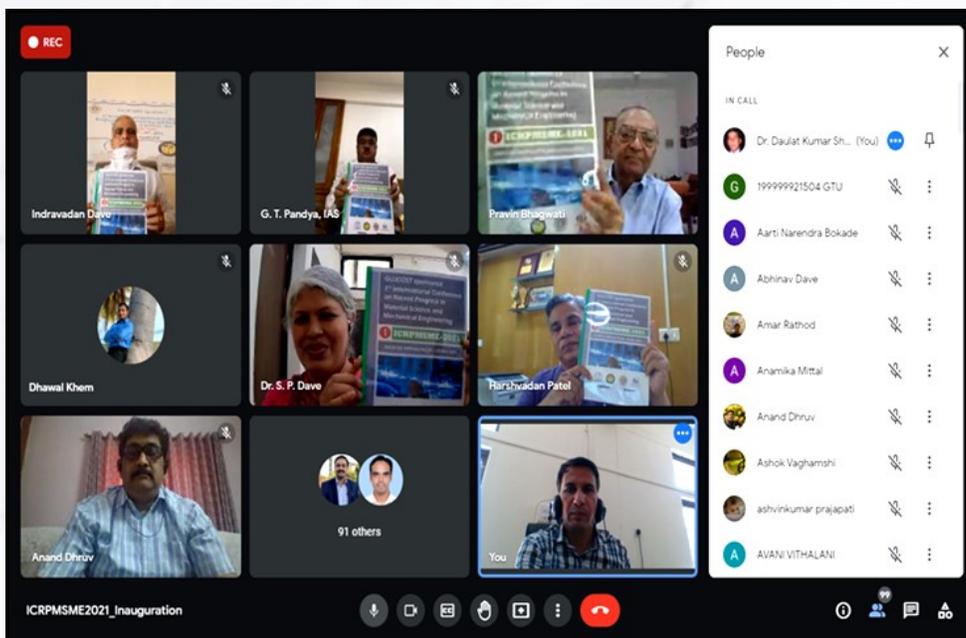


Sr. No.	Expert Details	Topic
1	Mr. Sanjay Desai (CEO) RBD Engineers, Ahmedabad	Green Manufacturing processes- Foundry Overview
2	Dr. Amit Arora (Professor) IIT, Gandhinagar	Green Welding Techniques - Friction stir processing
3	Mr. Amish Panchal (Director) Kastwel Industries, IIF (Ex. Chairman)	Green Casting Processes
4	Dr. Nirav Jamnapara (SO-F and Head - Projects & Technology Transfer Section), IPR, Gandhinagar	Plasma Technology as Green Manufacturing alternative- Application Overview
5	Dr. Hitesh Panchal Assistant Professor, GEC Patan	Advances in Solar Desalination system
6	Dr. G N Tiwari,	Greenhouse Technology

DEPARTMENTAL ACTIVITIES

1ST INTERNATIONAL CONFERENCE

- ◆ Gujcost-DST sponsored “1st International Conference on Recent Progress in Material Science and Mechanical Engineering- ICRPMSME 2021” was jointly organized by Government Engineering College, Gandhinagar and Government Engineering College, Patan during 28 - 29 May , 2021. The role of materials and mechanical engineering in the economic and socio-environmental development of the country is well established. The convener of the conference were, Dr. I B Dave, Professor, GEC-Gandhinagar, and Dr. H. N. Panchal, Assistant Professor, GEC-Patan. Key note lectures were organized by international experts to present the theme of the conference. According to the organizing secretary of the conference, Dr. Daulat Kumar Sharma, Assistant Professor, GEC-Gandhinagar and Prof. D. D. Mewada, Assistant Professor, GEC-Gandhinagar, the conference featured 61 research papers on ongoing progress and latest developments in the field of Materials Science and Mechanical Engineering in 07 sessions presented by industries, educational institutes, R &D institutes and professional engineers. Inauguration of the conference and release of the Book of Abstracts of research papers accepted at the conference was done by Shri Dr. G. T. Pandya and industrialist Shri P N Bhagwati, Dr. S. P. Dave, Principal, Government Engineering College, Gandhinagar, Dr. H.S. Patel, Principal, Government Engineering College, Patan, in the presence of subject experts and heads of various departments and faculties on 28 May 2021. Conference was concluded



DEPARTMENTAL ACTIVITIES

EXPERT LECTURE SERIES

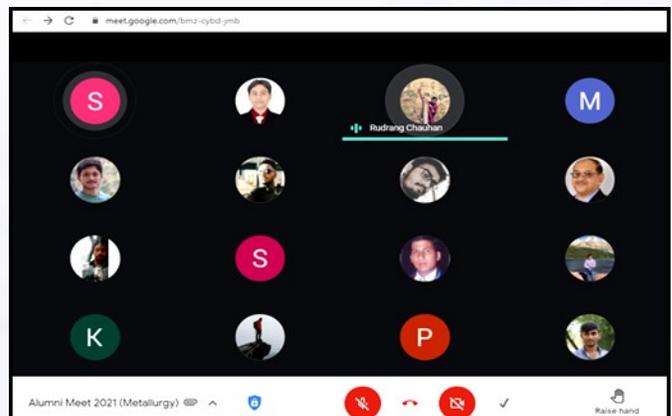
- ◆ Dr. MrunalChaudhari,(Asst Prof. Mechanical Engineering Dept. LDCE) delivered an expert talk on “Phase diagrams and Transformations” on 19th January, 2021. Expert talk was coordinated by Prof. D V Mahant under SSMEG.
- ◆ Mr. Mandar Joshi, (Lecturer, Dr. S. & S. S. Ghandhy College Surat)) delivered an expert talk on “Nano composites: Synthesis, Properties and Applications” on 2nd March 2021. Expert talk was coordinated by Dr. D G Sharma under IIM Baroda Chapter.
- ◆ Mr. Rajesh M. Bhavsar, Retired Ex. Eng. (Metallurgy), GSECLdelivered an expert talk on “Power Plant components Failure Cases” on 2nd March 2021. Expert talk was coordinated by Dr. D G Sharma / Dr. M S Dani under SSMEG.
- ◆ Mr. AchitGautam,(Lecturer, Dr. S. & S. S. Ghandhy College Surat) delivered an expert talk on “Sintering of metal powders” on 4th March, 2021. Expert talk was coordinated by Prof. S I Patel/ Prof. B R Rana under SSMEG.
- ◆ Mr. UrveshVala, (Sr. DGM, Material Engineering Tech., Plant Integrity Engineering Division, L&T Chiyoda Ltd. delivered an expert talk on “Corrosion Damage Mechanism in Oil and Gas Industry” on 4th March,2021. Expert talk was coordinated by Dr. D G Sharma under IIM Baroda Chapter.

DEPARTMENTAL ACTIVITIES

ALUMNI MEET—2021

- ◆ The Department of Metallurgy Engineering have organized an expert talk by Alumni in this meeting for all current batches and pass out students on 11th April 2021 on the Google Meet Platform between 9 am to 12 pm. The meeting started with welcome introduction by Metallurgy Department alumni coordinator Prof. H H Thakar followed by series of two expert sessions by Alumni of the department. The event was enjoyable and simultaneously profitable in terms of providing career as well as technical guidance to the current enrolled students.
- ◆ Alumni Experts and faculty members have shared the memories, Faculty members from Metallurgy Engineering and Dr. G H Upadhyay sir who was former HOD of Metallurgy department have participated in this event. Dr. G H Upadhyay sir have blessed and motivated all participants with his good wishes.

Sr. No.	Time	Expert Details	Topic
1	9:00 to 10:30 am	Mr. Shaswat Joshi M. E. (Materials Eng.) University of Toronto, Working as Program Manager (A&B rail service Ltd.) Alumnus of 2014 batch	Study and settlement in Canada
2	10:30 to 12:00 pm	Mr. Prince Gajjar MSc (Materials Engineering) RWTH University, Working in HOESCH Metallurgy, Germany Alumnus of 2016 batch	Physical and numerical modelling of mixing in steel ladle

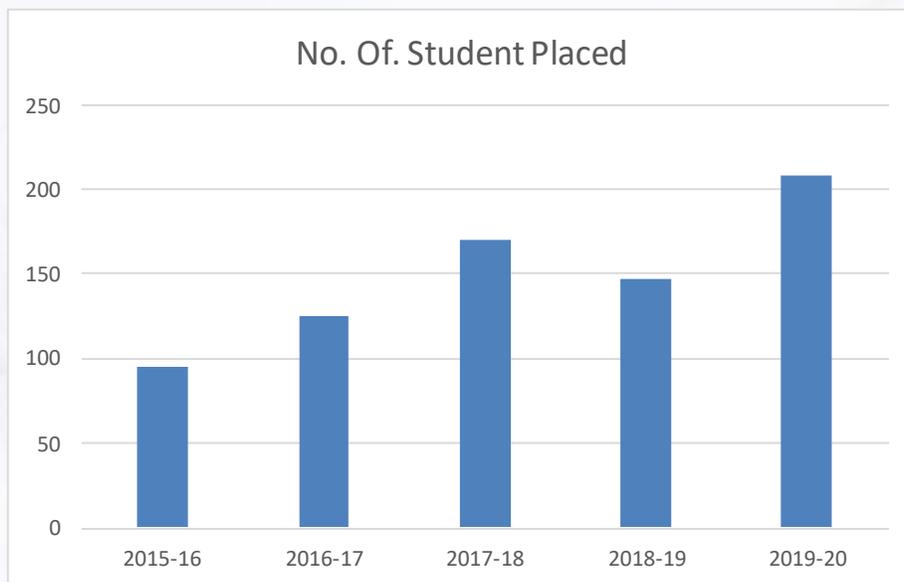


PLACEMENT NEWS

As a part of T & P activities we have a team of faculties and students which is coordinated by TPO under the mentorship of Principal

Activities....

- ◆ Maintain and update students database for placement
- ◆ Maintain and update industry database for placement
- ◆ Interact with industries by E-mails, phone calls and personal visits
- ◆ Interact with HR representatives in various training programs
- ◆ Invite experts from industries for expert lecture and interact for placement too
- ◆ Conduct industrial visits and try to know industry requirement
- ◆ Train students as per need of industries
- ◆ Groom students by way of finishing school and technical programs for soft skills, life skills and latest technical skills as per industry requirement



SSIP ACTIVITIES

- ◆ SSIP CELL GEC Gandhinagar has extended its support to Government Polytechnic, Gandhinagar.
- ◆ SSIP CELL received an application from GP Gandhinagar for POC support
- ◆ SSIP CELL identified potential projects from each department by virtual meeting with students.
- ◆ On going SSIP projects are reviewed by faculties and have inspired students for availing financial support for POC development
- ◆ SSIP CELL GEC Gandhinagar has prepared a schedule of activities to be conducted in the current semester before Oct 2021.

NSS ACTIVITIES

VACCINATION CAMP ORGANIZED ON 3rd April 2021



MEDIA COVERAGE



ગાંધીનગર 04-07-2021

સરકારી ઈજનેરી કોલેજમાં 'સેલ્ફ ડિકેન્સ : ધ સ્ટેટ ઓફ માઇન્ડ' વિષે વેબિનાર યોજાયો



ગાંધીનગર ભાસ્કર | સરકારી ઈજનેરી કોલેજ, સેક્ટર-28 ખાતે તાજેતરમાં સેલ્ફ ડિકેન્સ : ધ સ્ટેટ ઓફ માઇન્ડ વિષય ઉપર વેબિનાર યોજાયો હતો. તેમાં સેલ્ફ ડિકેન્સ અંગની જાણકારી આપીને શારીરિક, માનસિક અને ભાવાત્મક સ્વ-રક્ષણ કેવી રીતે કરવું અને સોશિયલ મિડિયામાં કેવી સાવચેતી રાખવી તે અંગેનું માર્ગદર્શન અપાયું હતું.



સરકારી ઈજનેરી કોલેજ ગાંધીનગર એન.એસ.એસ. યુનિટ દ્વારા કોવિડ-19માં જે પરિવાર સંક્રમિત થયા હોય અથવા આસપાસમાં સંક્રમણ થયું હોય તે પરિવારનો સંપર્ક કરી કોરોનાની દવા જે વધેલી હોય અથવા નહીં વપરાયેલી હોય તેને એકત્રીત કરવામાં આવી હતી. આ દવાઓને સરકારી હોસ્પિટલમાં જરૂરીયાતમંદ વ્યક્તિઓને વિનામૂલ્યે પહોંચાડવાની કામગીરી યુનિટ દ્વારા કરાઈ હતી.

હ્યુંડઈ મોટર ઇન્ડિયા ફાઉન્ડેશન દ્વારા આયોજિત એચ-સોશિયલ ક્રિએટરના ટોપ ૧૧ ફાઇનલિસ્ટ પસંદ પામ્યા વલસાડનાસાનિધ્ય સૂર્યકાંત પટેલ

૧૧ ફાઇનલિસ્ટ આઈડિયામાં સ્ત્રી સાનિધ્ય સૂર્યકાંત પટેલે પોતાનો આઈડિયા જટાઈવર ડ્રોઝીનેસ મોનિટરિંગ ટેકનોલોજી રજૂ કર્યો. આ આઈડિયામાં એક ટેકનોલોજી આધારિત ડિવાઈસનો ઉપયોગ કરવામાં આવે છે, જે એ બાબતનો આભાસ થતાં જ અભામ વગાડે છે કે ડ્રાઈવરને ઝેંકું આવી રહ્યું છે. ઘણા ઘણા માર્ગ અકસ્માત આવી ભૂલોના કારણે થાય છે. આ ટેકનોલોજીથી માર્ગ સુરક્ષાની ખાતરી થશે. આ આઈડિયાને જયુરીના સભ્યો અને એચ-સોશિયલ ક્રિએટર એવોર્ડ્સ ની ફાઇનલ ફરમિયાન ઉપસ્થિત રહેલા લોકોમાં ભારે પ્રશંસા મળી.

એચ-સોશિયલ ક્રિએટર ૨૦૨૦માં ગ્રાંડ ફિનાલેના પ્રસંગ પર એચએમઆઈએલના એમડી તથા સીઈઓ સી.એસ.એસ.કિમે જણાવ્યું, પ્રોગ્રેસ ફોર હ્યુમેનિટીના પોતાના લક્ષ્યને અપનાવતા અમે લોકોના સપનાઓને સાકાર કરવામાં શ્રેષ્ઠ પરિશિષ્ટિઓના નિર્માણની દિશામાં કામ કરી રહ્યાં છીએ. એચ-સોશિયલ ક્રિએટરની બીજી આવૃત્તિની સાથે હ્યુંડઈ મોટર ઇન્ડિયા ફાઉન્ડેશનનું લક્ષ્ય ભારતના યુવાઓ તથા ભવિષ્યની આગામી પેઢીને સામાજિક



બદલાવ માટે આઈડિયા તૈયાર કરવા, તેને ડેવલપ કરવા અને તેમનું વ્યવહારિક સમાધાન લાગુ કરવાની દિશામાં પ્રયત્ન કરવાનો છે.

સ્ત્રી કિમે આગળ જણાવ્યું, અમે ગવર્નમેન્ટ એન્જિનીયરિંગ કોલેજ, ગાંધીનગર, ગુજરાતના સ્ત્રી સાનિધ્ય સૂર્યકાંત પટેલને અભિનંદન પાઠવીએ છીએ, જેઓએ સામાજિક બદલાવનો આઈડિયા આપીને એચ-સોશિયલ ક્રિએટર ૨૦૨૦ના ટોપ ૧૧ ફાઇનલિસ્ટમાં પોતાનું સ્થાન બનાવ્યું. તમામ પ્રતિસ્પર્ધીઓનો ઉત્સાહ અને નવા આઈડિયાને વિકસિત કરવાની દિશામાં પોતાનો સર્વશ્રેષ્ઠ પ્રયત્ન કરવાની તેમની પગશથી એક શ્રેષ્ઠ દુનિયાનું નિર્માણ થશે.

એચએમઆઈએફએ એચ-સોશિયલ ક્રિએટરની સ્થાપના એક એવા પ્લેટફોર્મના રૂપમાં કરી છે જે યુવાઓને સમસ્યાઓનો ઉકેલ શોધવા

અને સામાજિક બદલાવ લાવવાની દિશામાં પ્રોત્સાહિત કરે છે. એચ-સોશિયલ ક્રિએટરની બીજી આવૃત્તિમાં ૨૦૦ એજ્યુકેશન તથા ટેકનિકલ સંસ્થાઓમાંથી વર્ચ્યુઅલ માધ્યમથી ૫૨૦થી વધુ રજીસ્ટ્રેશન મળ્યા.

૪૦૧ એન્ટ્રીમાંથી ૧૩૫ એન્ટ્રી માર્ગ સુરક્ષા, ૧૧૬ પર્યાવરણ ક્ષેત્રમાં, ૧૦૧ સ્વાસ્થ્યની કેટેગરીમાં અને ૪૮ એન્ટ્રી સ્વચ્છ ભારત કેટેગરીમાં આવી. તેની સાથે, તમામ પ્રતિસ્પર્ધીઓના પ્રશ્નોના જવાબ આપવા માટે એક સમર્પિત કોલ સેન્ટર પણ સ્થાપિત કરવામાં આવ્યું હતું.

એચ-સોશિયલ ક્રિએટર ૨૦૨૦ માટે વિજેતાઓની પસંદ કરનારા સમ્માનિત જયુરીની સભ્યો અને હસ્તિઓની પાસે માર્ગ સુરક્ષા, સ્વાસ્થ્ય, પર્યાવરણ, ટેકનોલોજી તથા સશ્કેતેબિલિટીના ક્ષેત્રમાં વર્ષોનો અનુભવ એક વિશેષતા છે.

સરકારી ઈજનેરી કોલેજ ખાતે મેથ્સ આધારિત ઈ-ટોક સિરીઝ યોજાઈ

ગાંધીનગર, તા.૩ ગાંધીનગરની સે-૨૮ની સરકારી ઈજનેરી કોલેજ, સે-૨૮, ગાંધીનગર ખાતે કમ્પ્યુટર ઈજનેરી વિભાગ દ્વારા તા.૧૯/૦૨/૨૦૨૧ થી તા.૨૬/૦૨/૨૦૨૧ દરમિયાન મેથ્સ વિષય આધારિત લાઈવ વેબીનારનું

આયોજન કરવામાં આવ્યું હતું. જે અંતર્ગત ગ્રાફ થિયરી, ગ્રાફ લેબલીંગ, લીનીયર અને નોન-લીનીયર ટ્રાન્સફોરમેશન, લાપ્લાસ ટ્રાન્સફોરમેશન, ઈગન વેલ્યુ-ઈગન વેક્ટર અને લાટેક્સ જેવા ગણિતના મહત્વના વિષયોની કમ્પ્યુટર એપ્લિકેશન

સંબંધિત ઉપયોગિતા અંગે સરકારી ઈજનેરી કોલેજ ગાંધીનગર ખાતે ફરજ બજાવતા ગણિત વિષયના પ્રાધ્યાપકો દ્વારા વ્યાખ્યાન આપવામાં આવ્યા હતા. જેમાં અત્રેની કોલેજના વિદ્યાર્થીઓએ બહોળા પ્રમાણમાં ભાગ લીધો હતો. આ વ્યાખ્યાન

માળાનું આયોજન ઓનલાઈન માર્કોસોફ્ટ ટીમ પર કરવામાં આવ્યું હતું. આ તાલીમનું સુચારુ આયોજન આચાર્ય પ્રો.ડો.શ્વેતા દવે, કમ્પ્યુટર ખાતાનાં વડા પ્રો.ડો.ધવલ પરીખ, પ્રો.જે.એસ.ધોબી તથા પ્રો.ડો.પીનલ પટેલ દ્વારા કરવામાં આવ્યું હતું.

કોરોનાનો હુંકાર,

હા, હું હજીયે જીવંત છું...

હું હજીયે હરેક લોકોની હરકતમાં સામેલ છું,
અને કહેવાતી સમજણ કેરી ગેરસમજણમાં ય સામેલ છું..

હા, હું હજીયે જીવંત છું...

હું હજીયે હરેક શંકાની સપાટીમાં સામેલ છું,
અને કહેવાતી સરળ કેરી જટીલ જીદગીમાં ય સામેલ છું..

હા, હું હજીયે જીવંત છું...

હું હજીયે હરેક માસ્ક પાછળનાં ચહેરામાં સામેલ છું,
અને કહેવાતી મજબૂત કેરી માનસિકતામાં ય સામેલ છું..

હા, હું હજીયે જીવંત છું...

હું હજીયે હરેક ચેનલોની ચળવળમાં સામેલ છું,
અને કહેવાતી જીવંત કેરી મૃત મૂંઝવણમાં ય સામેલ છું..

હા, હું હજીયે જીવંત છું...

અને અંતે,
હું હજીયે હરેક હજારોની ભીડમાં સામેલ છું,
અને કહેવાતી મેદની કેરી એકલતામાં ય સામેલ છું..

કોરોનાનો હુંકાર,

હા, હું હજીયે જીવંત છું...

એ નહોતી ખબર..

સુખ ની શોધમાં ફરતાં ફરતાં,
અપાર દુઃખનું સરનામું મળશે, એ નહોતી
ખબર..

વૈભવી જીવનની આંધળી દોટમાં,
અપાર સાદગીપૂર્ણ ઠહારાવ મળશે, એ નહોતી
ખબર..

વિજ્ઞાન અને ટેકનોલોજી નાં અતિરેકમાં,
અપાર સમજણ નો તિરસ્કાર મળશે, એ
નહોતી ખબર..

સગા અને વહાલઓ માટે મારી મનુસ્મૃતિ માં,
અપાર લાગણીઓનો વરસાદ મળશે, એ
નહોતી ખબર..

જીવન અને મૃત્યુ વચ્ચેનાં અતિવલયોમાં,
અપાર અભૌમિતિક આકાર મળશે, એ નહોતી
ખબર..

બસ આ અપાર નો ક્યારે પાર આવશે, શું એ
છે કોઈને ખબર??

CREATIVE CORNER

પતંગોનાં પડઘમ હવે શમી ગયા છે,
દોરીનાં ય દાવપેચ હવે ખમી ગયા છે..

આકાશે ઊંચી ઉડાન ભરતા'તા પતંગો કાલે જે,
આજે એ કાગળ બની ને ક્યાંક ઝૂકી રહ્યાં છે..

ઉડીને આંખે વળગતા'તા ફિરકીના રંગો કાલે જે,
આજે એ ગૂંચળા બનીને પગમાં નડી રહ્યાં છે..

બુમો ને બરાડા સાથે ઝૂમતા'તા મિત્રો કાલે જે,
આજે એ પાછી એકલતામાં લીન થઈ રહ્યાં છે..

ચટપટી ને ગળચટી વાનગીઓ આરોગતા'તા કાલે જે,
આજે એ જ હવે આરોગ્યની ચિંતા કરી રહ્યાં છે..

અને અંતે..

અગાશી થી આકાશી નઝારો જોતા'તા કાલે જે,
આજે એ પોતે જ પોતાનાથી નજરકેદ થઈ રહ્યાં છે..

પતંગોનાં પડઘમ હવે શમી ગયા છે,
દોરીનાં ય દાવપેચ હવે ખમી ગયા છે..

બસ એ જાતે જ વાસી બનાવેલી તાજી જિંદગીને નામ,
વાસી પછીની તાજી ઉતરાયણો..

આજે મેં જાણ્યું કે,

સફળતાઓ પણ ક્યારેક બેસ્વાદ હોય છે,
ને નિષ્ફળતાનો પણ એક આસ્વાદ હોય છે..

આજે મેં જાણ્યું કે,

સરગમનો પણ ક્યારેક વિષાદ હોય છે,
ને મૌનનો પણ એક પ્રતિસાદ હોય છે..

આજે મેં જાણ્યું કે,

ગમતાંઓનો પણ ક્યારેક તિરસ્કાર હોય છે,
ને અણગમાનો પણ એક સ્વીકાર હોય છે..

આજે મેં જાણ્યું કે,

સમતાઓનો પણ ક્યારેક જુગાર હોય છે,
ને વિષમતાઓ નો પણ એક વેપાર હોય છે..

અને અંતે..

આજે મેં જાણ્યું કે,

અનુભવી નો પણ ક્યારેક અભાવ હોય છે,
ને અતરંગીનો પણ એક આવકાર હોય છે..

બસ એ જ,

અનુભવમાંથી અતરંગી ની ખોજમાં,

CREATIVE CORNER



Art Work by Anhsu Mathur, 6th Semester Biomedical Student



Art Work by Pankti Chauhan, Electronics & Communication Student

बेटियां

याद है जिस दिन तुमने मुझको
बेमतलब का डाटा था।
मेरे उभरते पंखों को
उड़ने से पहले ही काटा था।
हक था मुझ पर पूरा,
आखिर तुमने ही तो पाला था।
और बेटियां पराई होती है,
यह सब ने मुझे सिखाया था।
हां मैं एक बेटी हूं घर की,
यह सब तो सहना होगा।
मुझे हंसते हुए हर रिश्तो को
समेट के रहना होगा।।

Sauravsuman Poddar

6th Semester Biomedical Student



CREATIVE CORNER

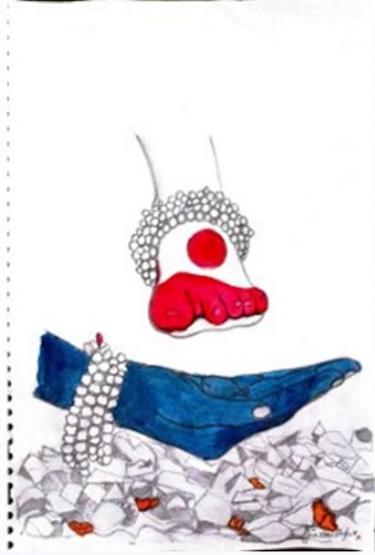


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