



ASPIRE

BI-ANNUAL NEWSLETTER



July 2020 to December 2020
Issue— 6



GOVERNMENT ENGINEERING COLLEGE SEC –28, GANDHINGAR

FROM DESK OF PRINCIPAL

Any organization survives and prospers with due to the efforts put in by the people associated with it. I am proud that the GEC, Gandhinagar is backed by its faculty members and the bright students.

It is a pleasure to see this issue of ASPIRE, the newsletter of Government Engineering College, Gandhinagar coming out. It encompasses the academic contributions of our faculty members and the achievements of the students.

I am glad that in its e-avatar, the newsletter is reaching out to a large mass of people - spreading the news and happenings of this educational institution. I am sure that it will continue to become better with all the versions that we would see in the coming years.



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



IN THIS ISSUE

- ♦ **FACULTY ACHIEVEMENTS**
- ♦ **FACULTY PUBLICATIONS**
- ♦ **PARTICIPATION IN STTP/SEMINAR/WORKSHOP**
- ♦ **STUDENT ACHIEVEMENTS & PARTICIPATION**
- ♦ **DEPARTMENTAL ACTIVITIES**
- ♦ **MEDIA COVERAGE**
- ♦ **PLACEMENT NEWS**
- ♦ **SSIP ACTIVITIES**
- ♦ **CREATIVE SECTION**



FACULTY ACHIEVEMENTS

BIOMEDICAL ENGINEERING

- ♦ Dr. Mitul. B. Patel delivered online lecture on " How to crack GATE 2021" at Ganpat University on September 06, 2020.

COMPUTER ENGINEERING

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

ELECTRONICS & COMMUNICATION ENGINEERING

- ♦ Prof. Avani A. Vithlani completed course on "Introduction to Research" with 84% score (Silver Medal) offered by NPTEL.
- ♦ Prof. Devendra H. Patel completed course on "NBA Accreditation & Teaching Learning in Engineering (NATE)" with 65% score offered by NPTEL.
- ♦ Prof. Jignesh K. Bhavsar completed course on "Introduction to Research" with 68% score offered by NPTEL.
- ♦ Prof. Nilesh M. Bankar completed course on "NBA Accreditation & Teaching Learning in Engineering (NATE)" with 76% score (Silver Medal) offered by NPTEL.
- ♦ Dr. Shahid S. Modasiya received I2OR National Eminent Young Researcher Award 2020.
- ♦ Dr. Shahid S. Modasiya completed course on "Antennas" with 75% score offered by NPTEL.
- ♦ Prof. Suhas H. Patel completed course on "Machine Learning ML" with 56% score offered by NPTEL.
- ♦ Prof. Suhas H. Patel completed course on "Python Programming Essentials" offered by Rice University through Coursera.
- ♦ Prof. Suhas H. Patel completed course on "Python Programming for Everybody" offered by University of Michigan through Coursera.

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.



FACULTY ACHIEVEMENTS

METALLUGRY ENGINEERING

- ◆ Prof. D. G. Sharma received Ph.D. degree from Gujarat Technological University in September 2020 for his research on “Surface composite manufacturing through Friction stir Processing”.
- ◆ Dr. I. B. Dave delivered expert lecture on “Steel properties and its types” in One Day webinar organized by Mechanical Engineering Department, Government Engineering College Patan on October 19, 2020
- ◆ Prof. M. S. Dani received Ph.D. degree from Gujarat Technological University in September 2020 for her research on “To study Corrosion and Mechanical behaviour of Friction stir processed AZ91 Mg alloy”.
- ◆ Dr. P. K. Nanavati delivered expert lecture at international webinar on “Welding inspection and approvals” organised by Gulf NDE and MSME -PPDC Agra IIW on July 20, 2020.
- ◆ Dr. P. K. Nanavati delivered expert lecture on Basics of Welding Metallurgy ,Organised by MSME PPDC, Agra Extn. Centre Rajkot, jointly with GulfNde industrial services on August 8, 2020.
- ◆ Dr P. K. Nanavati delivered a Webinar talk on “Welding Metallurgy of Stainless Steels” organised by (IIW) Student Chapter and Parul University-, on December 23, 2020.



FACULTY PUBLICATIONS

BIOMEDICAL ENGINEERING

- ◆ Dr. Vijay. P. Dave and his students published article on “Computational modeling of NMDA receptor response in Alzheimer’s disease” in *Microsyst Technol* (Springer Nature) in October 2020.

COMPUTER ENGINEERING

- ◆ Prof. Mihir Mehta has published a article on “A Systematic Review of Authentication Methods for IOT” at International Conference for Innovation in Technology IEEE Banglore Section in November 2020.

ELECTRONICS & COMMUNICATION ENGINEERING

- ◆ Prof. Shahid S. Modasiya has published a book chapter on “Design of Modified Wideband Log Periodic Microstrip Antenna with Slot for Navigational Application ” iSpringer Nature Singapore Pte Ltd. 2020.
- ◆ Prof. Shahid S. Modasiya has published a article on “P- Shaped and Elliptical Slot loaded Wideband Microstrip Antenna for 5G Communication ” in *Solid State Technology* .

GENERAL & HUMANITIES

- ◆ Dr. Tarun Patel, Assistant Professor in English presented a research paper titled 'Women empowerment and patriarchy in Anita Nair's Ladies Coupe' during the English Literature Summit virtual international conference held on December 12-13, 2020.
- ◆ Dr. Tarun Patel, Assistant Professor in English presented a research paper titled 'Detoxing the leader: David & Goliath's way' during the English Literature Summit virtual international conference held on December 12-13, 2020.

INSTRUMENTATION & CONTROL ENGINEERING

- ◆ Prof. K K Acharya has published a research paper on “Novel Approach to Diagnose Chronic Kidney Disease (CKD) with predicted Pathophysiological parameter using Neural Network and Fuzzy Logic”, in *International Research Journal on Engineering & Technology (IRJET)*, Volume 07, Issue 08, date: 08 August 2020.

INFORMATION TECHNOLOGY ENGINEERING

- ◆ Prof. Komal Anadkat published a research paper on “Unimodal to Multimodal Emotion Recognition:A Systematic Review” in *TEST Engineering & Management*—July—August 2020.



FACULTY PUBLICATIONS

METALLURGY ENGINEERING

Dr. D. G. Sharma published a paper on “Different reinforcement strategies of hybrid surface composite AA6061/(B₄C+MoS₂) produced by friction stir processing” in Journal of Material Science & Engineering Technology on November 10, 2020.

Dr. D. G. Sharma, Prof. H. H. Jadav Prof D V Mahant published a paper on “Surface Composite AA6061/SiC Manufactured by Hole and Groove Method Friction Stir Processing” at 2nd International Conference on Recent Advances in Mechanical Infrastructure during August 21-23, 2020 @ IITRAM.

Prof. H H Jadav presented a paper on "A Review on Effect of Friction Stir Processing on the Welded Joints" at IST International Conference on Energy, Material science & Mechanical Engineering 2020 on October 31, 2020 @ NIT Delhi

Prof. H. H. Jadav Published a paper on “Applicability of Bobbin Tool Friction Stir Welding for Dissimilar Al-Mg Joint” at 2nd International Conference on Recent Advances in Mechanical Infrastructure during August 21-23, 2020 @ IITRAM.

Prof. H H Jadav and Dr. D G Sharma published a paper on Effect of pin diameter and different cooling media on friction stir welding of dissimilar Al-Mg alloys” at Materials Today Proceedings (in press)

Dr. M. S. Dani and Dr. I. B. Dave published a paper on “Grain refinement and improvement in micro hardness of AZ91 Mg alloy via Friction stir processing” at 2nd International Conference on Recent Advances in Mechanical Infrastructure during August 21-23, 2020 @ IITRAM

Dr. P. K. Nanavati published a paper on “A study on the comparison between activated TIG variants on the weld bead profile of P91 Steel. Part: 1” at 2nd International Conference on Recent Advances in Mechanical Infrastructure during August 21-23, 2020 @ IITRAM.



PARTICIPATION IN STTP/SEMINAR/WORKSHOP

- ◆ All faculties of Institute Completed Online Certificate Course on "Intellectual Property Rights " conducted during July 6, 2020 to September 14, 2020 (11 Weeks), organized by iHub , SSIP CELL, GKS , DTE Gandhinagar
- ◆ All faculties of the Institute, completed course on UDAYAM "E-Content Development Course " conducted during July 28, 2020 to August 18, 2020, jointly organised by Knowledge Consortium of Gujarat, Ahmedabad and HRDC, Gujarat University.

BIOMEDICAL ENGINEERING

- ◆ Prof. Hetal K. Mehta has attended an Online Training Program on “WOMEN ENTREPRENEURSHIP & STARTUPS” conducted by "National Institute of Technical Teachers' Training and Research, Bhopal” during Month September 19-23, 2020.
- ◆ Prof. Rutu P. Nayak has Attended Online Training Programme on "NURTURING INNOVATION AND STARTUP ECOSYSTEM (NISE)" Conducted by I hub conducted during September 8, 2020 to October 23, 2020.

COMPUTER ENGINEERING

- ◆ Prof. Bijal. U. Gadhia attended one week ATAL FDP on “Blockchain” organized by Indian Institute of Information Technology, Nagpur from November 30, 2020 to December 04, 2020.
- ◆ Prof. Hemani Y. Shah has Attended Online Training Programme on "NURTURING INNOVATION AND STARTUP ECOSYSTEM (NISE)" Conducted by I hub conducted during September 8, 2020 to October 23, 2020.
- ◆ Prof. Namrata S. Shroff attended one week FDP on “Latest Trends in IoT” organized by Government MCA College, Ahmedabad from October 26-30, 2020.
- ◆ Prof. Niranjana K. Prajapati attended one week ATAL FDP on “Blockchain” organized by Government Engineering College, Patan from October 19-23, 2020.
- ◆ Prof. Pinal J. Patel attended one week FDP on “Cloud Technology” organized by Government Engineering College, Gandhinagar from November 2-6, 2020.

ELECTRONICS & COMMUNICATION ENGINEERING

- ◆ Prof. Avani. A. Vithlani, Prof. Jignesh K. Bhavsar, Prof. Sandip J. Dawda, Dr. Shahid S. Modasiya & Prof. Tejas B. Sheth has participated in Online NPTEL MOOC Training on “Fundamentals of outcome based curriculum in engineering education” from September 14, 2020 to November 09, 2020.



PARTICIPATION IN STTP/SEMINAR/WORKSHOP

GENERAL & HUMANITIES

- ♦ Dr Daksha M Diwan has participated has actively participated in one day webinar on “IMPACT OF TECHNOLOGY FOR THE DEVELOPMENT OF HIGHER EDUCATION” on 5 December 2020, organized at Silver Oak University Campus, Ahmedabad
- ♦ Dr Daksha M Diwan has participated in the national webinar on “ The life and legacy of Srinivasa Ramanujan ” Organized by the department of Mathematics, Veer Narmad Souh Gujarat University, Surat on 22nd December 2020.
- ♦ Dr Daksha M Diwan successfully completed NPTEL MOOC the Course Mathematical Method and its application in DEC-2020.
- ♦ Prof. Hemangini S Shukla has attended a three days workshop on "Yoga for concentration and Usefulness" in August 2020 organized by GTU(online).
- ♦ Prof. N. D. Patel has attended one week online short term training program on “Power Electronics Application for Distributed Power Generation System” organized by Department of Electrical Engineering, GEC Bharuch during December 1-11, 2020.
- ♦ Prof Sunilkumar Agrawal has successfully completed 12 week MOOC online course on “ Fuzzy Sets Logic, Systems and Application” with Gold plus Elite band conducted by NPTEL-AICTE.
- ♦ Prof. Sunilkumar Agrawal participated in a GUJCOST sponsored 5-day faculty development program on 'Facing 21st Century Education: Challenges, Skills and Innovations' during December 14-18, 2020.
- ♦ Dr. Tarun Patel participated in a GUJCOST sponsored 5-day faculty development program on 'Facing 21st Century Education: Challenges, Skills and Innovations' during December 14-18, 2020.

INSTRUMENTATION & CONTROL ENGINEERING

- ♦ Prof. M. B. Hingu participated in a research study on “Status of Use Of Rubrics In Technical Institutions Of India”, conducted in the month of December 2020, By National Institute Of Technical Teachers’ Training And Research, Bhopal
- ♦ Prof. M. B. Hingu participated in GUJCOST Sponsored Online STTP on “Research Methodology And Technical Writing”, during December 1-5, 2020 conducted by Government Engineering College, Surat.
- ♦ Prof. M. B. Hingu participated in One Day Online Webinar On "New Education Policy-Autonomy 2020 ", On December 10, 2020 conducted by NITTTR - Bhopal.
- ♦ Prof. M. B. Hingu participated in One Day Online Webinar on " On Line Instruction-2020", on August 21, 2020 conducted by NITTTR - Bhopal.
- ♦ Prof. M. B. Hingu participated in One Day Online Webinar on " NEP 2020-Autonomy For Frame Work ", on October 15, 2020 conducted by NITTTR - Bhopal.
- ♦ Prof. M. B. Hingu from IC department, participated in One Day Online Webinar on " NEP 2020-Higher Education Perspective", on September 17, 2020 conducted by NITTTR - Bhopal.



PARTICIPATION IN STTP/SEMINAR/WORKSHOP

INSTRUMENTATION & CONTROL ENGINEERING (CONTD.)

- ◆ Prof. M. B. Hingu from IC department, participated in Online Webinar Series on " NBA -12 Days 2 Week" During July To August 2020, Conducted By NITTTR - Bhopal.
- ◆ Prof. P. N. Patel has Attended Online Training Programme on "NURTURING INNOVATION AND STARTUP ECOSYSTEM (NISE)" Conducted by I hub conducted during September 8, 2020 to October 23, 2020.
- ◆ Prof. P. N. Patel from IC department, completed a Swayam MOOC on "Accreditation for Undergraduate Engineering Programmes" (8 Week) Through DTE Gandhinagar.
- ◆ Prof. P. N. Patel from IC department, attended a Faculty Development Program on " Facing 21st Century Education: Challenges, Skills, Innovations ", from December 14 to 18,2020 (1 Week) GEC, SEC-28, GUJCOST, DTE GANDHINAGAR

INFORMATION TECHNOLOGY ENGINEERING

- ◆ Prof. H. B. Chauhan has Attended Online Training Programme on "NURTURING INNOVATION AND STARTUP ECOSYSTEM (NISE)" Conducted by I hub conducted during September 8, 2020 to October 23, 2020.
- ◆ Prof. K. D. Anadkat attended one week FDP on "Cloud Technology" organized by Government Engineering College, Gandhinagar from November 2-6, 2020.

METALLURGY ENGINEERING

- ◆ Prof. B. R. Rana attended webinar on Teacher Support Program - workshop organized by University of Cambridge on November 05, 2020.
- ◆ Dr. D. G. Sharma attended International Virtual Conference on "High-Performance Materials for Energy, Environment & Healthcare in the Digital Era" organized by Centre for Materials Technology, School of Advanced Sciences, VIT, Vellore from June 30, 2020 to July 1, 2020.
- ◆ Dr. D. G. Sharma attended webinar on In conversation with Padma Shri T.V. Mohandas Pai organized by i- Hub, Gujarat on July 2, 2020.
- ◆ Dr. D. G. Sharma attended session on CORROSION BEHAVIOUR OF FRICTION STIR WELDED AA 7075-T651 ALLOYS organized by IIW- PDPU students chapter, Gandhinagar on July 24, 2020.
- ◆ Dr. D. G. Sharma attended National e-conference on Recent Advances in Materials Science & Nanotechnology organized by Department of Physics Yashwantrao Chavan College Aurangabad, Maharashtra from August 1-2, 2020.
- ◆ Dr. D. G. Sharma attended webinar on Opportunities and Challenges in Friction Stir Welding and Processing of Nickel Based Superalloys organized by Department of Metallurgical and Materials Engineering, Mahatma Gandhi Institute of Technology, Hyderabad on August 1, 2020.



PARTICIPATION IN STTP/SEMINAR/WORKSHOP

METALLURGY ENGINEERING(CONTD.)

- ◆ Dr. D. G. Sharma attended session on Intelligent Revolution Technology in Welding Solutions for Welding Challenges in Advance Manufacturing and Industry 4.0 organized by Indian Institute of Metals on November 28, 2020.
- ◆ Dr. D. G. Sharma attended session on Understanding Tribology of Materials for Better Deployment in Application organized by IIW- PDPU students chapter, Gandhinagar on July 10, 2020.
- ◆ Dr. D. G. Sharma attended session on Superplasticity in Non Ferrous Metal organized by IIW- PDPU students chapter, Gandhinagar on July 15, 2020.
- ◆ Dr. D. G. Sharma attended online Short Term Course on Cryogenics and Composites: Theory and Applications (CCTA–2020) organized by Dr. B R Ambedkar National Institute of Technology Jalandhar on July 3, 2020.
- ◆ Dr. D. G. Sharma attended webinar series on RECENT TRENDS IN METALLURGY organized by Metallurgy Department, Dr. S. & S. S. Ghandhy College of Engg. & Tech., Surat from October 19-23, 2020.
- ◆ Prof. H. H. Jadav attended webinar on “W10- Applying for accreditation” organized by NITTTR, Bhopal on August 20, 2020.
- ◆ Prof. H. H. Jadav completed online MOOC Course on “Theory and Practice of Non Destructive Testing” organized by NPTEL.
- ◆ Prof. H. H. Thakar attended training program on “Induction Phase–II” organized by NITTTR, Bhopal from November 19-30, 2020.
- ◆ Dr. I. B. Dave attended International webinar on “Hardfacing- Industrial Applications” organized by Department of Metallurgical and Materials Engineering, MAHATMA GANDHI INSTITUTE OF TECHNOLOGY, Hyderabad on August 05, 2020.
- ◆ Dr. I. B. Dave attended webinar on “W10- Applying for accreditation” organized by NITTTR, Bhopal on August 20, 2020.
- ◆ Dr. I. B. Dave attended webinar on “W11- Planning Required During the visit and Post-visit Activities ”organized by NITTTR, Bhopal on August 25, 2020.
- ◆ Dr. I. B. Dave attended webinar on “W12- Planning Required During the visit and Post-visit Activities Action plan to prepare Institute for accreditation ”organized by NITTTR, Bhopal on August 27, 2020.
- ◆ Prof. S. I. Patel attended webinar on “W10- Applying for accreditation” organized by NITTTR, Bhopal on August 20, 2020.
- ◆ Prof. S. I. Patel completed online MOOC Course on “Steel Quality: Role of secondary refining & cont. casting ” organized by NPTEL.



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"
- ♦ Somani Shruti, student of 7th semester participate in online Quiz on "Basics of Biomedical Engineering" organized by Parul Institute of Technology, Parul University
- ♦ Jay Soni, student of 5th semester participated in various online courses in domain of Python Programming, Machine Learning and Artificial Intelligence by Coursera.
- ♦ Patel Darshan & Patel Smit, students of 7th semester participate in workshop on "Deep Learning Algorithms for Medical Imaging" organized by SRM University between August 26-28, 2020.
- ♦ Patel Smit, student of 7th semester participated in 5 day workshop on "Digital Image Processing & Its Application (DIPA - 2020)" organized by NIT, Arunachal Pradesh between August 24-28, 2020.
- ♦ Mansi Chokshi, student of 7th semester has completed online non-credit course on "Machine Learning for All" offered by University of London through Coursera in August 2020.
- ♦ Sahil Hudda, student of 7th semester has completed course on "Ortho Career 101" offered by Ortho Career Coach between September 1-5, 2020.
- ♦ Kresha Dixit, student of 5th semester has completed online non-credit course on "Electrical Power Systems" offered by University at Buffalo & The State University of Newyork through Coursera in August 2020.

COMPUTER ENGINEERING

- ♦ The Following students have participated in Git Hub Event - Hacktober Fest and received T-Shirt. Student List:

Akhil Jethva - 170130107035

Bhavik Malaviya - 170130107048

Nirav Karathiya - 180133107012

Aliasgar Badri - 170130107006

Janinil Darji - 180133107005

Honey lalwani - 170130107042

Anghan Tejas - 170130107002

Happy Pandya - 180133107016

Muskan Brahmabhat - 180133107001

Bhagyesh Parmar - 170130107061



STUDENT ACHEIVEMENTS & PARTICIPATION

COMPUTER ENGINEERING(CONTD.)

- ◆ Prajapati Nishika participated in State level drawing competition. Topic was Corona Warriors.



ELECTRONICS & COMMUNICATION ENGINEERING

- ◆ Students participated being members of the GTU Team-A for DD-ROBOCON -2020 and became 1st runner up in ROBOCON-2020 held on October 27, 2020 at IIT-Delhi and the same team also won 'TOYATO AWARD' in ABU Robocon Festival.
- ◆ Darshil M. Patel presented a paper titled “SiC MOSFET based 3-phase PV inverter with switching transient improvement” in Virtual IEEE International Conference on Power, Energy, Control and Transmission System organized by Sai Ram College of Engineering, Chennai between November 10-11, 2020.
- ◆ Anil Poriya, Yagnik Moga and Nandan Patel presented a paper on “P-Shaped and Elliptical Slot loaded Wideband Microstrip Antenna for 5G Communication ” in 2nd International Conference on Research and Innovation in Engineering & Technology organized by BVM College of Engineering, Vallabh Vidyanagar, Gujarat during September 4-5, 2020. The same paper was co-authored by Dr. Shahid S. Modasiya.
- ◆ Priyanshu Rani, Anjana Chandani and Jhanvi Deshmukh presented a paper on “A surface edge cutout Microstrip Patch, Antenna for 5G application” in 2nd International Conference on Research and Innovation in Engineering & Technology organized by BVM College of Engineering, Vallabh Vidyanagar, Gujarat during September 4-5, 2020. The same paper was co-authored by Dr. Shahid S. Modasiya.
- ◆ Nidhi S. Bhatt participated in International Level Startup Quiz Competition on July 21, 2020 organized by Parul Institute of Computer Application, Parul University, Waghodia.
- ◆ Nidhi S. Bhatt participated in International Quiz on Application of Artificial Intelligence on November 9, 2020 organized by Parul Institute of Computer Application, Parul University, Waghodia.
- ◆ Nidhi S. Bhatt participated in International Webinar on “Philosophy of Yoga” on July 06, 2020 organized by Department of Philosophy, Panjab University.
- ◆ Nidhi S. Bhatt participated in Webinar on “Artificially Intelligent Green House System” on July 29, 2020 organized by Department of Electronics & Communication, St. Joseph Institute of Technology, Chennai.
- ◆ Meet Tank completed Graduate Rational Internship program at The Sparks Foundation in month November–December 2020.



STUDENT ACHEIVEMENTS & PARTICIPATION

ELECTRONICS & COMMUNICATION ENGINEERING(CONT.)

- ◆ Nidhi S. Bhatt successfully completed course on “Embedded System Design with ARM” with 88% score offered by NPTEL.
- ◆ Nidhi S. Bhatt participated in International Webinar on “CMOS MEMRISTOR NANO ELECTRONICS FOR NEUROMORPHIC COMPUTING” on July 17, 2020 organized by Electronics & Communication Department, Indus University.
- ◆ Meet Tank participated in Webinar on “Regression and Modelling with Python GUI” on September 5, 2020 organized by Computer Engineering Department, Government Engineering College, Sector-28, Gandhinagar.

INSTRUMENTATION & CONTROL ENGINEERING

- ◆ Darji Sagarkumar Rajendrakumar from IC Department has completed a national level E-quiz on NCC and INDIAN ARMED FORCES by the NCC AIR WING of St. Aloysius College, Mangaluru with 100% result.

INFORMATION TECHNOLOGY ENGINEERING

- ◆ Dharav Bhatt successfully completed course on “The Joy of Computing using Python” with 93% score offered by NPTEL.
- ◆ Dharav Bhatt successfully completed course along with proctored exam on “Python for Data Science” with 76% score offered by NPTEL.
- ◆ Shabbir Marfatiya earn award from Google Cloud for “Perform Foundational Data, ML and AI Tasks”.
- ◆ Pooja Thakkar successfully completed course on “Neural Networks and Deep Learning” offered by Deep Learning.AI through Coursera.

METALLURGY ENGINEERING

- ◆ Madhu Chaudhari student of semester 3rd, represented Metallurgy Department GEC Gandhinagar by winning a Kabaddi tournament organized at PDP in March 2020.



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

- ◆ Department has established dedicated Higher Studies Cell and following activities are continuously being conducted in form of session/personal counselling:

- i. University, Course and Country Selection
- ii. Process Level counselling for Application - For Foreign Universities
- iii. Tips for Writing State of Purpose

The cell is co-ordinated by Prof. M. P. Patel & Prof. M. M. Nanavati

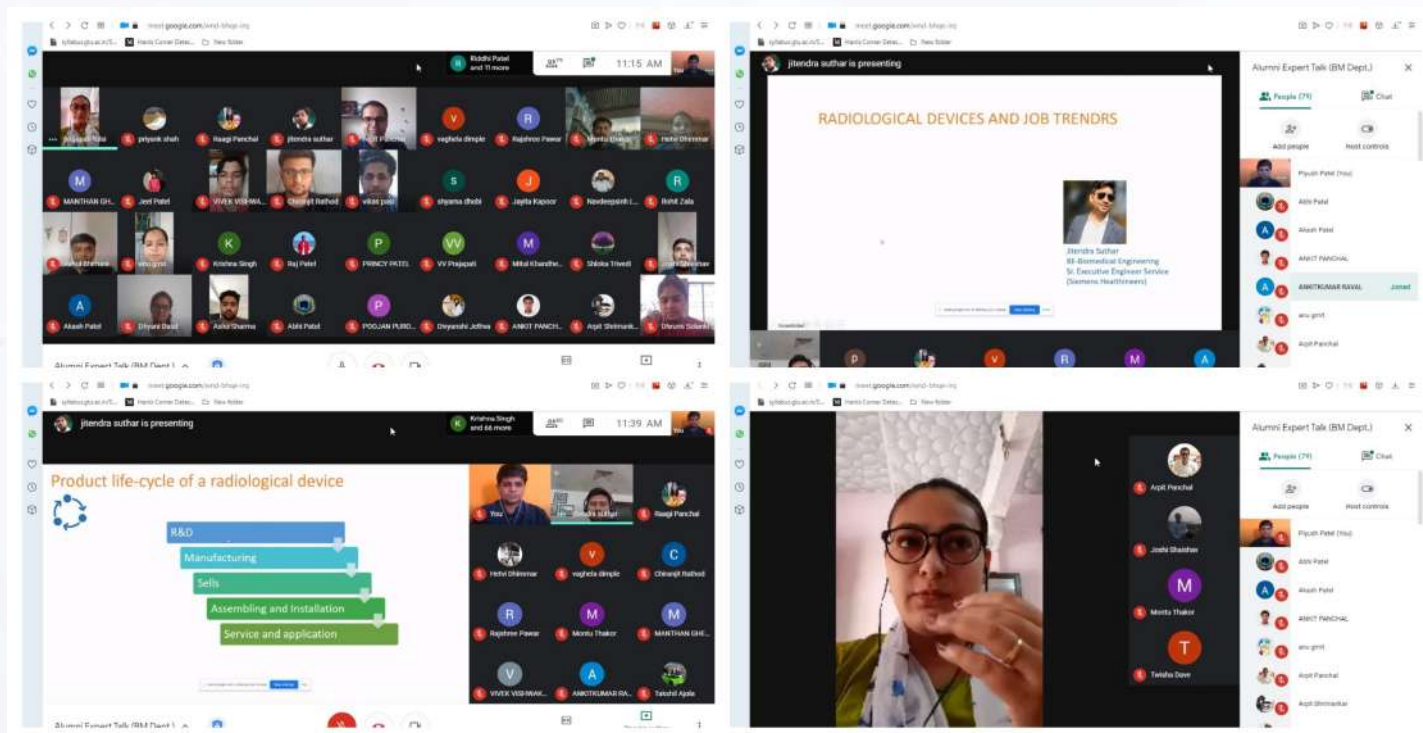
- ◆ Session on Tips, Scopes and Opportunities: GATE in Biomedical Engineering was conducted on August 29, 2020 which was delivered by Mr. Jay Bhanusali and approximately 107 students of Final year and Pre-final took part in the same. The session was co-ordinated by Prof. M. M. Nanavati
- ◆ Session on “Top skills to acquire during Biomedical Engineering” was conducted on August 30, 2020 which was delivered by Mr. Rahil Engineer (Business Development Manager, Indimedi Pvt. Ltd.) and approximately 137 students of Final year and Pre-final took part in the same. The session was co-ordinated by Prof. P. V. Patel
- ◆ Online webinar on topic “Lukemia Detection using Backpropagation Network” in associated with Pantech E-Learning was organized on September 5, 2020, more than 700 participants took benefit of the same. The session was co-ordinated by C. P. Shah
- ◆ Session on “How to Select and Sustain Startups” was conducted on October 22, 2020 which was delivered by Ms. Siddhi Vora (Founder, Dbreath Medical Devices) and approximately 150 students of Final year and Pre-final took part in the same. The session was co-ordinated by Prof. P. V. Patel
- ◆ One day workshop on “Soft skills required during and after engineering” was organized on November 06, 2020, approximately 55 students participated in the same and it was co-ordinated by Prof. P. V. Patel and Prof. C. P. Shah.
- ◆ Session on “Job Opportunities in Biomedical Field” was conducted on October 23, 2020 which was delivered by Ms. Kalpesh Prajapati (CAD Designer, Uteshiya Medicare Pvt. Ltd.) and approximately 25 students took part in the same. The session was co-ordinated by Prof. C. P. Shah
- ◆ Session on “Career Guidance - Counseling” for final year students was organized on September 06, 2020 by Departmental Higher Studies Cell highlighting opportunities at job level and higher studies was discussed and more than 40 students participated. The session was overall co-ordinated and moderated by Prof. M. P. Patel and Prof. M. M. Nanavati



DEPARTMENTAL ACTIVITIES

Alumni Meeting/Expert Talk

- ◆ The Department of Biomedical Engineering had organized an alumni meeting for all batches on 11th October, 2020 on the Google Meet Platform. Expert talks on different topics were delivered by alumni experts. Total 80 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:

Speaker Details:	Topic Details
Mr. Arpit Panchal (Batch - 2009) Sr. HR Manager, Reliance Industries, Mumbai.	Journey of Biomedical Engineer to HR Manager
Ms. Tulasi Prajapati (Batch - 2018) R&D Officer - IPR Section (Patent) Meril Lifesciences Pvt. Ltd., Surat.	Opportunities and Skills in IPR field for Biomedical Engineers
Mr. Jitendra Suthar (Batch - 2015) Sr. Executive Engineer, Siemens Healthineers, Germany.	Radiological Devices and Job Trends



COMPUTER ENGINEERING



DEPARTMENTAL ACTIVITIES

Webinar Week (September 1-5, 2020) - coordinated by Prof. Pinal J. Patel

The Sessions of Webinar Week were as follows:

1. How to Crack Technical Interviews at Tech giants Speaker: Mr. Raj Manish Shah— Participation count of 109.
2. Concepts and Implementation of RDBMS(ORACLE) by Speaker : Ms. Kanan Yagnik - Participation count of 71.
3. Machine Learning with MATLAB by Speaker: Mr. Arun S. Meghani—Participation Count of 62.
4. Career Options & Growth After College by Speaker: Mr. Siddharth Patel—Participation Count of 75.
5. Regression & Modeling with Python GUI by Speaker: Mr. Sumit Khamar—Participation Count of 55.

Behind The Scenes
People who handled...

Dr. Sweta Dave
Principal

Dr. D. A. Parikh
H. O. D.

Prof. J. S. Dhobi
Facilitator

Prof. Pinal Patel
Event Coordinator

Student Co-ordinators

CONCEPTS AND IMPLEMENTATION OF RDBMS (ORACLE)

ORGANIZED BY

COMPUTER ENGINEERING
DEPARTMENT

PROF. D. A. PARIKH
HOD

PROF. PINAL PATEL
FACILITATOR

SPEAKER
Kanan Yagnik
2nd Sem
2019 Passout
ISE - UIC

Career Options & Growth After College

LIVE WEBINAR

Mark the Date
04 Sept
2:00 pm to 3:30 pm

Topics to be covered

1. What are the Career Options after college
2. How to be successful in every career option
3. Getting first job and growth in Corporate World
4. Must have skills & etiquette for a good career
5. My Learnings and Journey in the Startup World

Why you should attain

1. Explore the un-explored verticals of career
2. Know exactly how to grow in every career path
3. You will come to know what you should be doing in last year of college, how to craft your resume etc.
4. Downloaded materials in softcopy

Organised By GEC, Gt CE Dept

DR. D.A.Parikh
HOD

Prof. J.S.Dhobi
Facilitator

Prof. Pinal Patel

Regression & Modeling With Python GUI

Topics to be covered

- Introduction & Basics of Python
- Introduction & Hands on Python GUI
- Regression & Modeling
- Hands on Implementation of Regression with GUI
- Small Fun Quiz

Key Takeaways

- Usefulness of Python in Data Science
- Job Opportunities in Python Programming

Chief Regards to:

Prof. D. A. Parikh (HOD) Prof. Pinal Patel (Faculty Coordinator)

TO JOIN WEBINAR VISIT :
<https://meet.google.com/jrk-wkd-vel>

Date: 04th September
Time: 2:00 PM - 3:00 PM

Presented By:
Sumit Khamar
H. O. D.

REGRESSION & MODELING WITH PYTHON GUI

Chief Regards to :
Prof. D. A. Parikh (HOD) Prof. Pinal Patel (Faculty Coordinator)

Presented By: Sumit Khamar

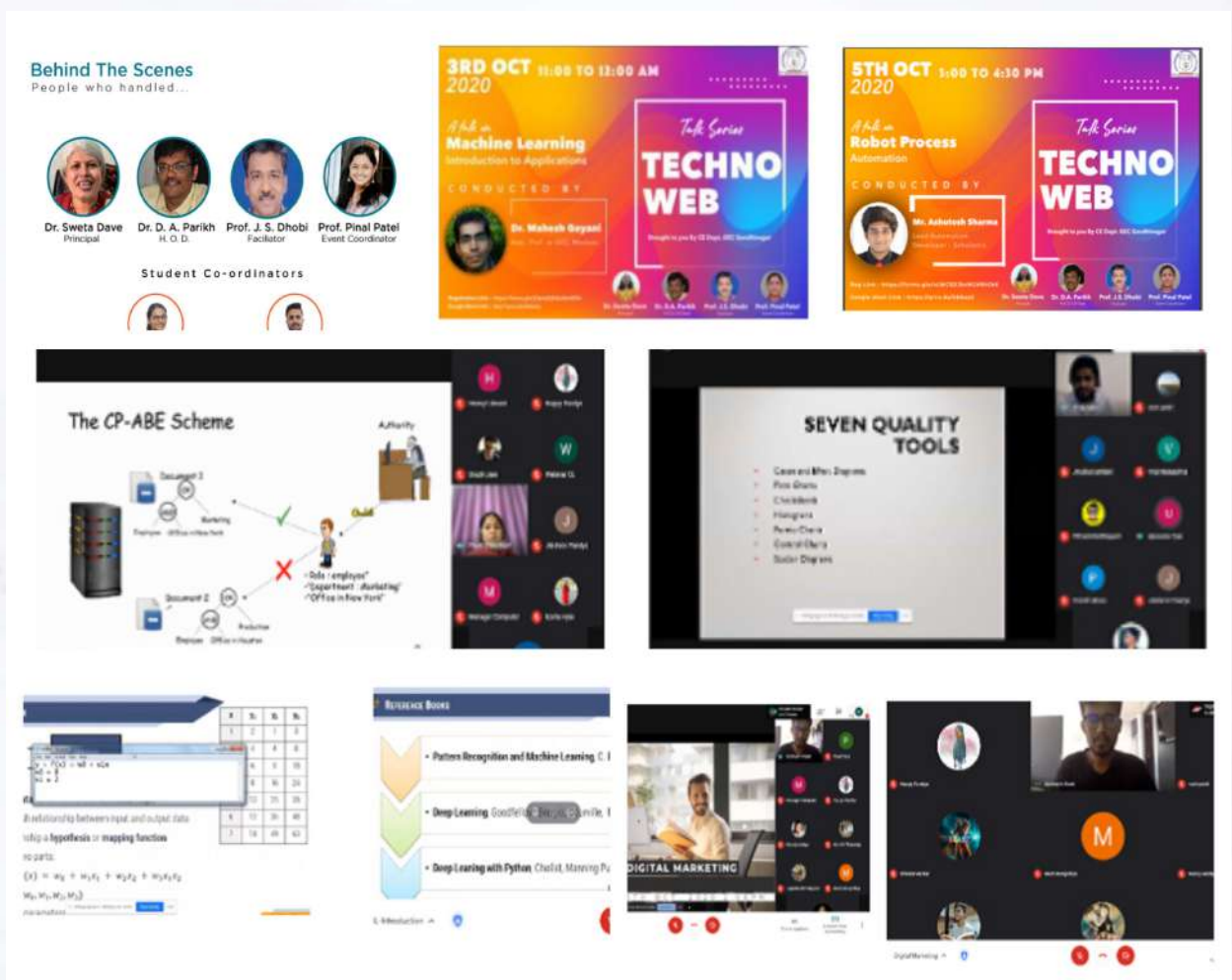


DEPARTMENTAL ACTIVITIES

Techno Web Talk Series (October 3-9, 2020) - coordinated by Prof. Pinal J. Patel

The Sessions of Webinar Week were as follows:

1. Machine Learning - Introduction to Applications by Speaker: Dr. Mahesh Goyani
Participation count of 50.
2. Robot Process Automation by Speaker : Mr. Ashutosh Sharma - Participation count of 25.
3. Digital Marketing by Speaker: Mr. Siddharth Patel & Viraj –Participation Count of 28.
4. Advances in Cryptography by Speaker: Dr. Payal Chaudhari –Participation Count of 25.
5. QC tools and Six Sigma Technologies by Speaker: Mr. Viraj Vyas–Participation Count of 21.

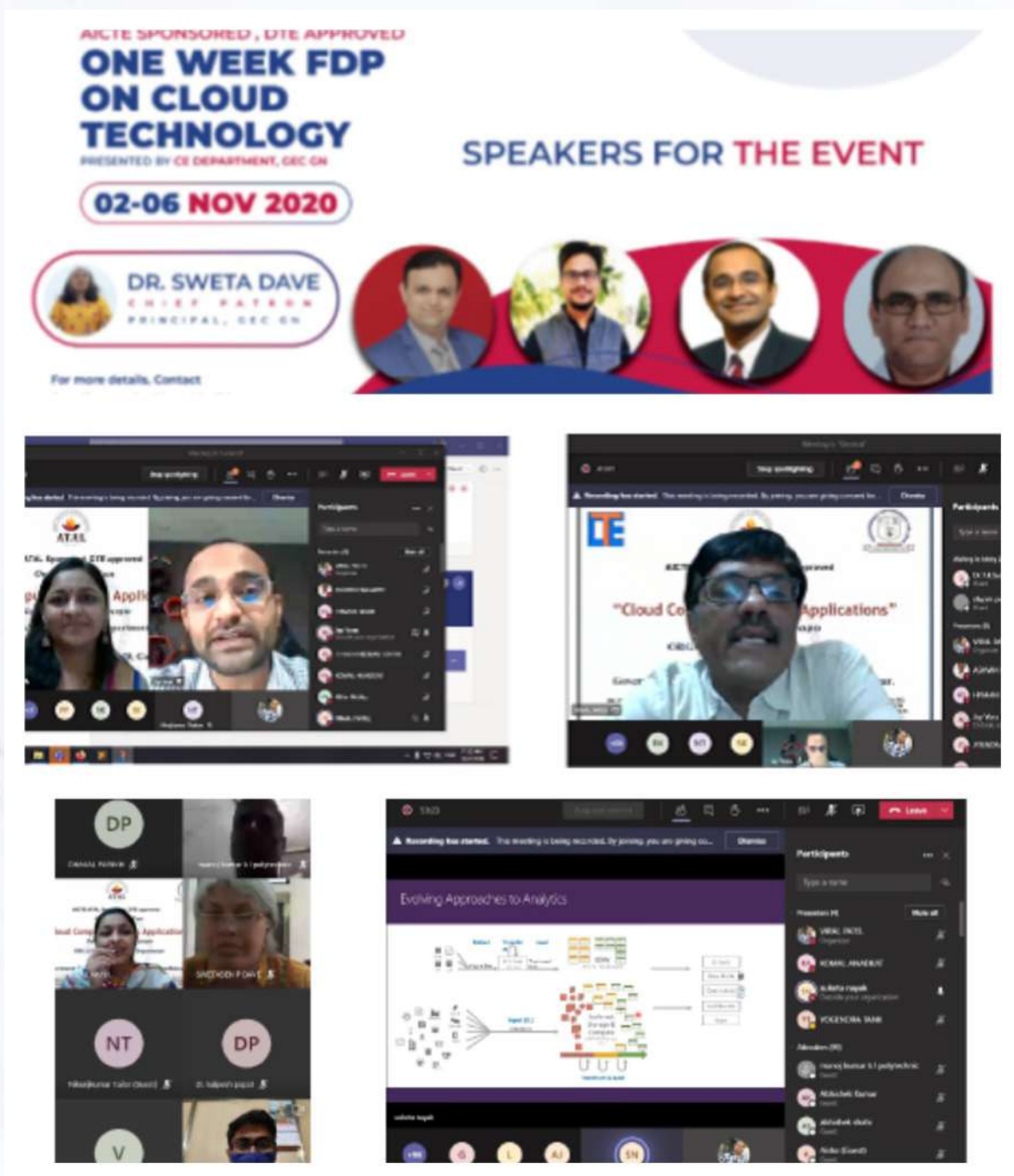


DEPARTMENTAL ACTIVITIES

AICTE Sponsored FDP on Cloud Technology (November 2-6, 2020) - coordinated by Dr. D. A. Parikh & Prof. Pinal J. Patel

Total Registration: 250

Total Participants: 133



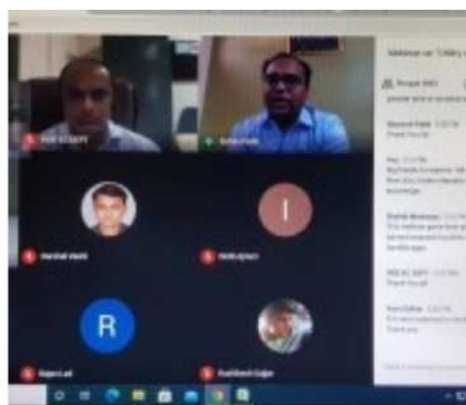
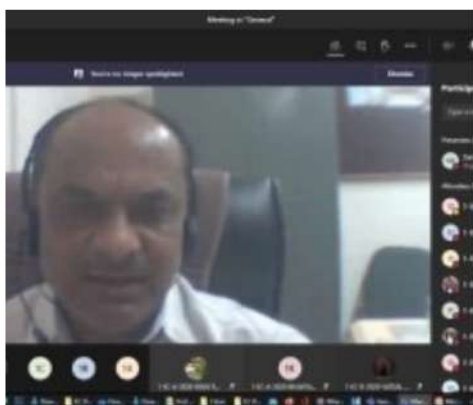
**ELECTRONICS &
COMMUNICATION
ENGINEERING**



DEPARTMENTAL ACTIVITIES

Webinar on Utility of Design lab for Research and Start-up Projects

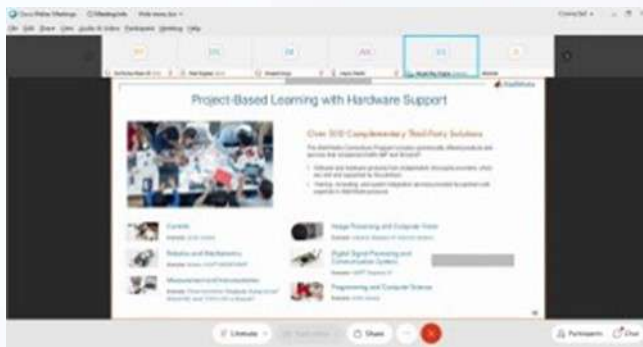
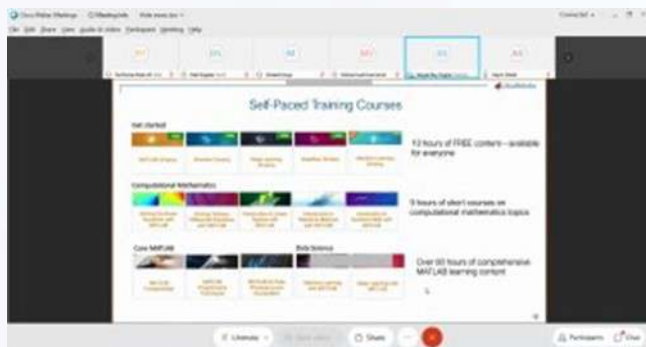
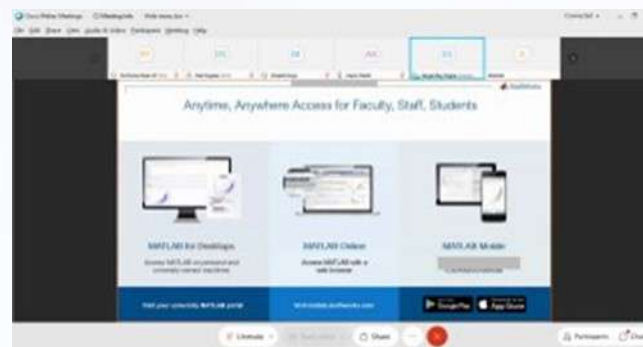
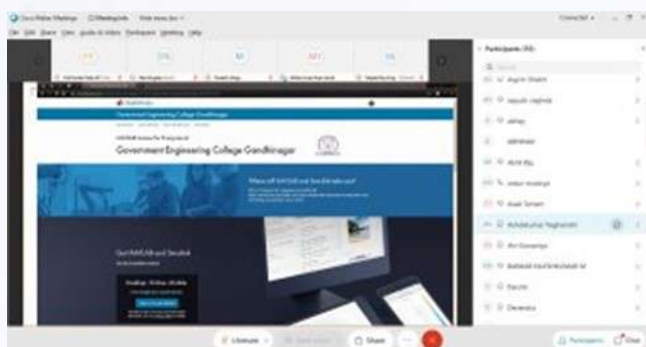
- ◆ In association with DST GUJCOST funded Design Laboratory at department, a webinar to project the focus on the utility of Design Lab, which was established in the year-2020 and to facilitate the usage of equipment's available under Design Lab , E&C department organized a Live Webinar on the "Utility of Design lab for Research and Start-up Projects" on an Engineers Day on September 15, 2020 via Google Meet.



DEPARTMENTAL ACTIVITIES

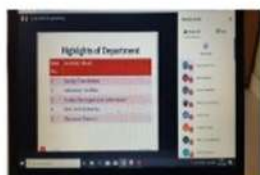
Webinar on Introduction to MATLAB

- ◆ A Webinar organized on the topic of "Introduction to MATLAB and Simulink" by Satyaki R. Singha, Education Customer Success Specialist - Western India, The MathWorks jointly with E&C Dept. ,Government Engineering College, Gandhinagar on September 29, 2020 via Online Platform: Cisco Webex



Alumni Meet

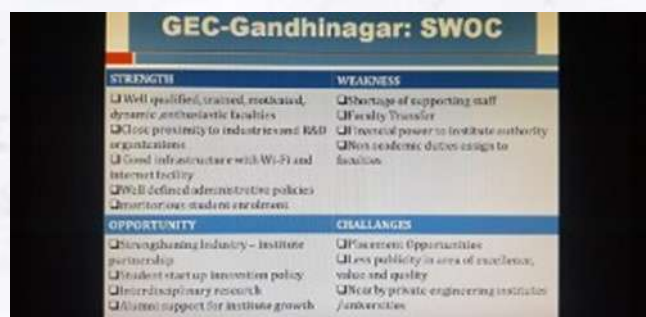
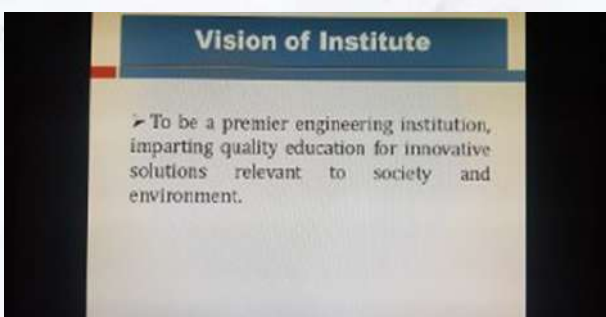
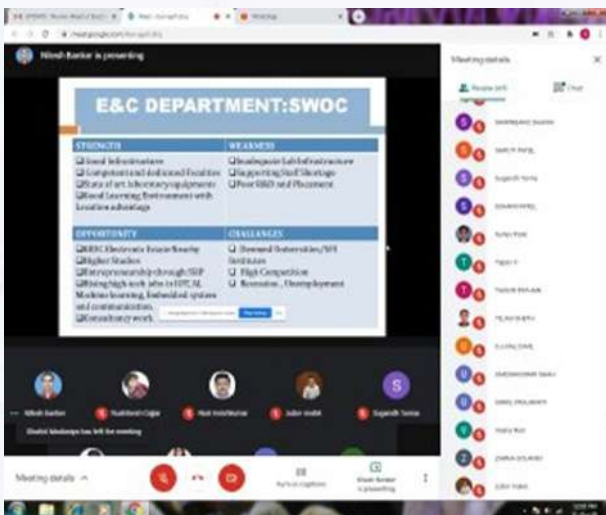
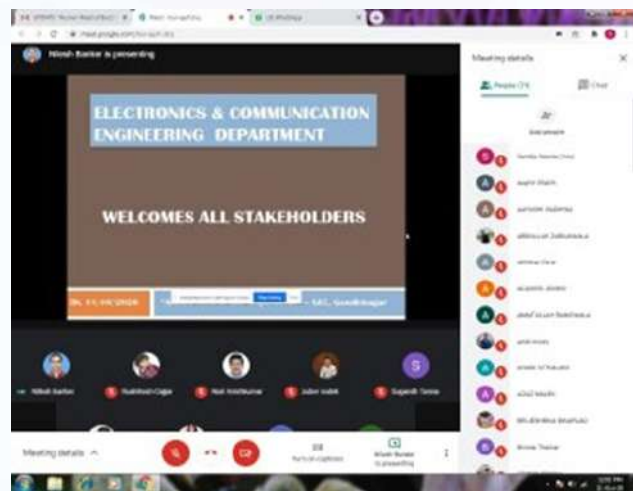
- ◆ Department had organized an alumni meeting 2020” for all batches (2008 - 2020) on October 11, 2020 Sunday through online platform Google meet. In total, 112 nos. stakeholders which includes alumni, students, industry persons, parents and faculty members who had linkage with E&C dept.-GEC Gandhinagar have participated in the online alumni meet. Our past alumni and faculty members have participated in this Google 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.



DEPARTMENTAL ACTIVITIES

Stake Holder Online Meet

- ◆ Department has organized Stakeholder's Online Google Meet on 11th October 2020-Sunday. In total, 134 nos. of stakeholders which includes alumni, current students, industry persons, parents and faculty members who had linkage with E&C dept.-GEC Gandhinagar have participated in this online meet.
- ◆ The consent/feedback/suggestions about the Institute SWOC and Vision & Mission statements as well as the Dept. SWOC, Vision & Mission statements, Program Educational Objectives (PEO's) & Program Outcomes (PO's) of E&C Dept. were taken through the dedicated Google Form shared with the stakeholders.



DEPARTMENTAL ACTIVITIES

Tech Talk Series

- ◆ Department have organized a series of expert lectures during this "New Normal" situation by an eminent experts from Industry as well as academia in an online mode towards the larger benefits of students.

Sr. No.	Topic of the talk	Expert Details	Date & Mode of Conduction
1	My journey in VLSI Industry & career Opportunities in VLSI Industry	Mr. Mohammad Zuber Pirumiya Malek, DFT technical Manager, Intel India Pvt. Ltd., Bangalore	Dt. 11/10/2020 via Online Platform: Google Meet as part of Alumni Meet-2020.
2	Current trends in Industry and Scope after B.E in E&C	Mr. Sugandh Tanna, Analog IC Design Engineer, Maxim India Ltd., Bangalore	Dt. 11/10/2020 via Online Platform: Google Meet as part of Alumni Meet-2020.
3	Introduction to VLSI Industry	Mr. AnishKumar Nair, Physical design Engineer, E-Infochip, Ahmedabad	Dt. 11/10/2020 via Online Platform: Google Meet as part of Alumni Meet-2020.
4	Better Career Perspective through Communication & Soft Skills	Prof. Parul Popat, Associate professor, SP	Dt. 27/10/2020 via Online Platform: MS
5	Introduction to EC Engineering: An Overview of Electronics Sector	Prof. (Dr.) Kiran Parmar, Professor, Electrical Department, Adani Institute of Infrastructure engineer-	Dt. 27/10/2020 via Online Platform: MS Teams.

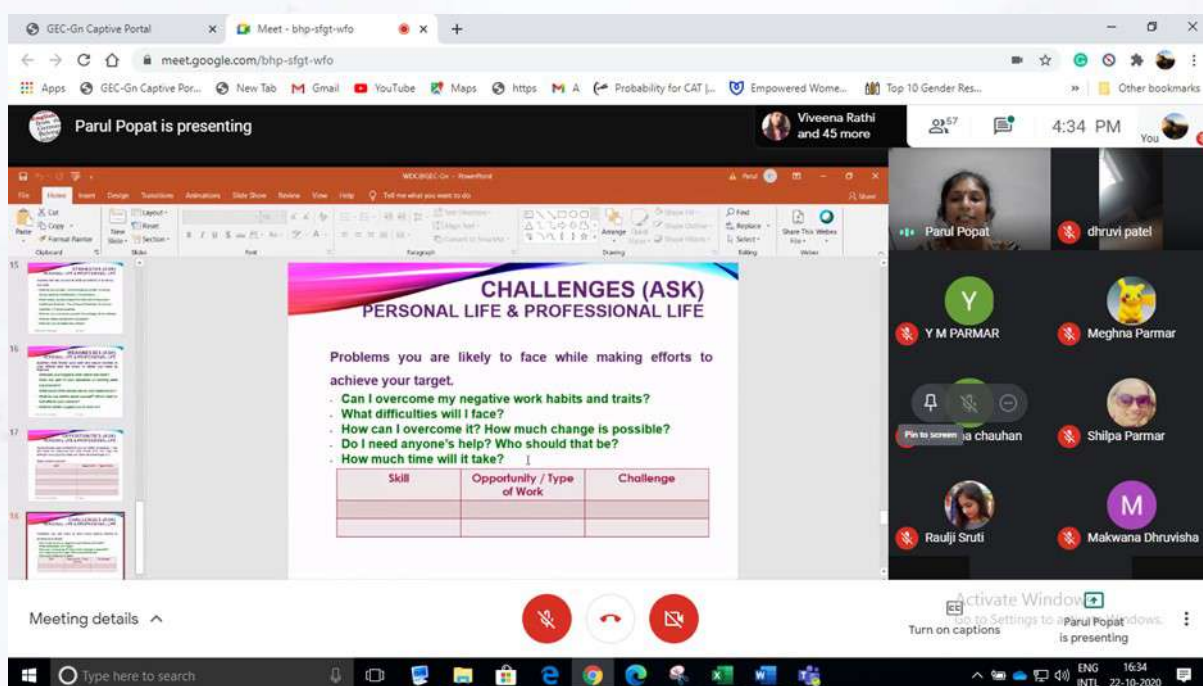
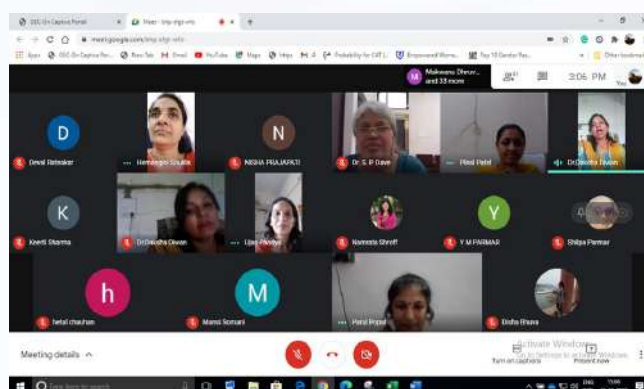
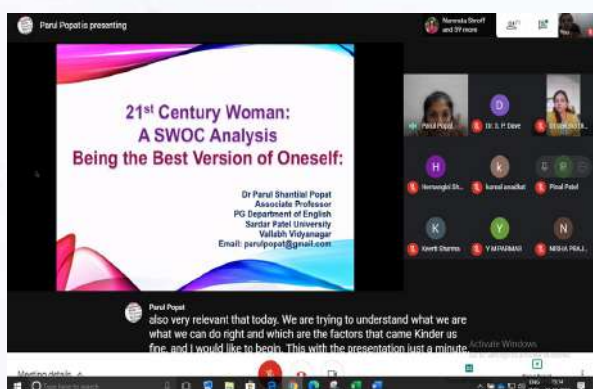


GENERAL & HUMANITIES



DEPARTMENTAL ACTIVITIES

- ◆ Dr. Tarun Patel and Dr. Vashishtha Patel organized a GUJCOST sponsored 5-day faculty development program on 'Facing 21st Century Education: Challenges, Skills and Innovations' during December 14-18, 2020.
- ◆ Dr Daksha M Diwan organized a webinar on “SWOT Analysis of 21st Century Women” under Women Development Cell, GEC-GN on Thursday, October 22,2020 at online platform during 3:00 pm to 4:30.Dr. Parul Popat, Associate Professor from S. P. University, Vallabh vidhyanagar was a speaker for this session.



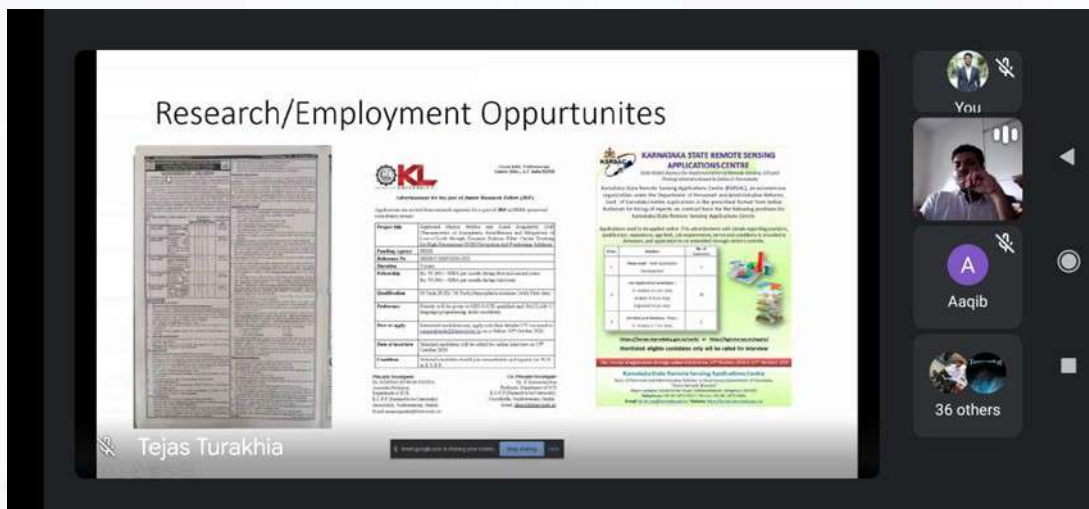
INSTRUMENTATION & CONTROL ENGINEERING



DEPARTMENTAL ACTIVITIES

WEBINARS

- Online Webinar was conducted by the Department on “Employment and Research Opportunities for Instrumentation Engineers in Remote sensing, Satellite communication and Space applications”. The speaker was one of the Alumni of the department, Mr. Tejas Turakhia, Researcher, ISRO Ahmedabad. The webinar was held on October 15, 2020. Final and prefinal year students along with the faculties of the department had joined the same and discussed the opportunities for IC engineers in various fields.



- Online Webinar was conducted by ISA Students’ Chapter, IC Department, GECGn, on “Industrial Process control and Automation”, by Mr. V. M. Prajapati, Project Manager, Servilink Systems Ltd, on September 17, 2020. Students of final and prefinal year took advantage of this webinar.
- Online Webinar was organised by Department on “Revolutionary Changes in Industrial Automation POST COVID-19”, by Mr. Narendra Chhatrawala, Innovative Control System, on August 29, 2020. Final and Pre final year students were benefited from this webinar.


ISA Students' Chapter GEC Gandhinagar
 organizes a webinar in association with
 ISA Gujarat Section


GOVERNMENT ENGINEERING COLLEGE GANDHINAGAR

"INDUSTRIAL PROCESS CONTROL AUTOMATION"


About the speaker:
Mr. V.M. Prajapati
 Project Manager at Servilink Systems Ltd. for Rockwell Automation(PLC and DCS)
 Highly experienced person in Industrial Automation
 Green Belt in Six Sigma Program
 Lead auditor for ISO

Patron:
 Dr. Sweeta P. Dave,
 Principal, GEC-Gandhinagar

Convener:
 Dr. Shalini A. Rankawat,
 Head & Faculty Advisor to ISA Students' Chapter, GEC-Gandhinagar

Faculty Coordinators:
 Prof. Ketan K. Acharya
 Prof. Jiten B. Mehta

Devam Trivedi
 President

Umang Joshi
 Treasurer

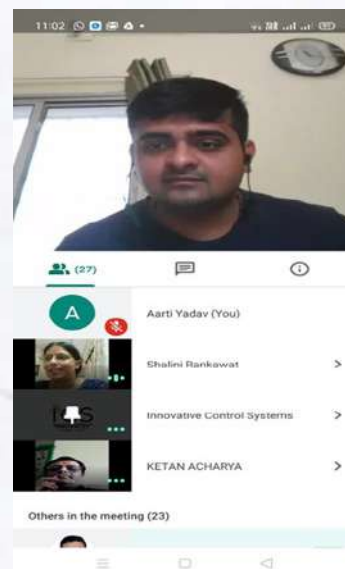
Jainam Shah
 Vice President

Jatin Patel
 Program Head

September 17, Thursday
11:30 AM Onwards
 e-Certificates will be given to all Participants

Join us on:
 Link: <https://meet.google.com/csc-npou-cfu>





DEPARTMENTAL ACTIVITIES

ALUMNI MEET—EXPERT TALK

The Institute's alumni are the reflection of its past, representation of its present and a link to its future.

They are the ambassadors of the program and their good standing indicates long term success of the department. Their feedback helps to make necessary changes in teaching learning methodology to meet the challenging demands of the real world.

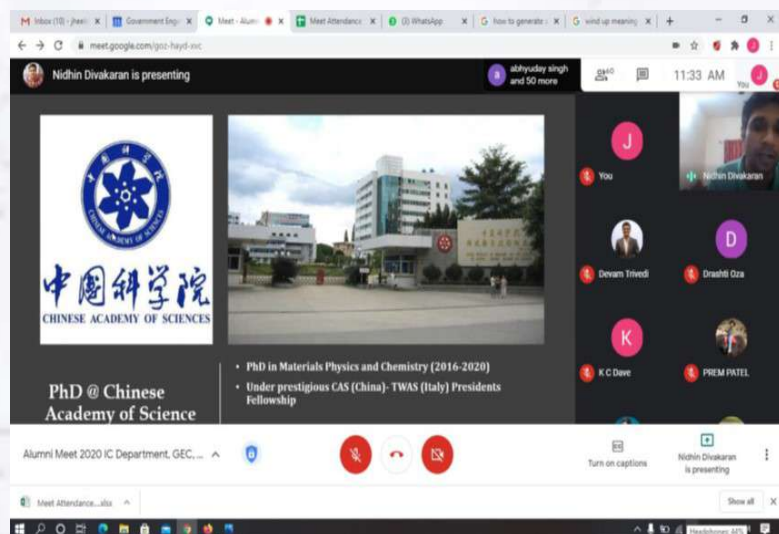
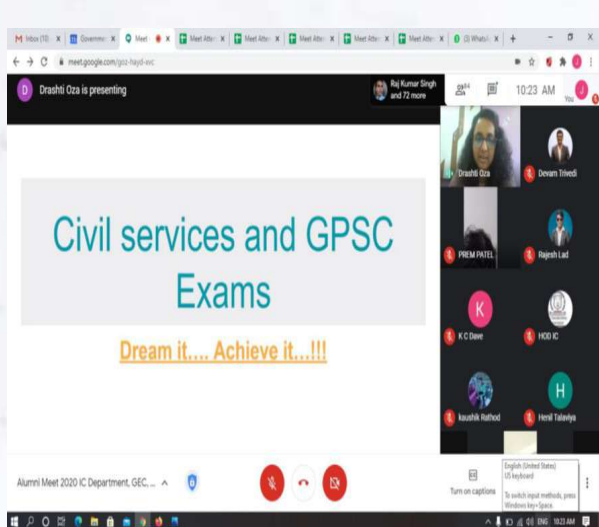
The Department had organized an Alumni meeting for all pass out batches on October 11, 2020 on the Google Meet Platform. Expert talks on different topics were delivered by alumni experts. Many students from all pass out batches and faculties of the department participated in the event. Students and staff shared the memories, most of them volunteered to render services for the benefit of the current students of the department. The event was stimulating and enjoyable and simultaneously profitable as all insights came up.

Some of the Alumni Experts/speakers conducted the session on different topics.

Mr. Umang Agrawal, who is currently at Ontario, Canada for higher studies, delivered a talk on opportunities of further studies in India and abroad.

Mr. Nidhin Divakaran, currently working as a Research Associate at Key Laboratory of Nanostructured Materials, Fujian Institute of Research, Fujian, delivered a talk on “Role of nanocomposites in future technological innovation”.

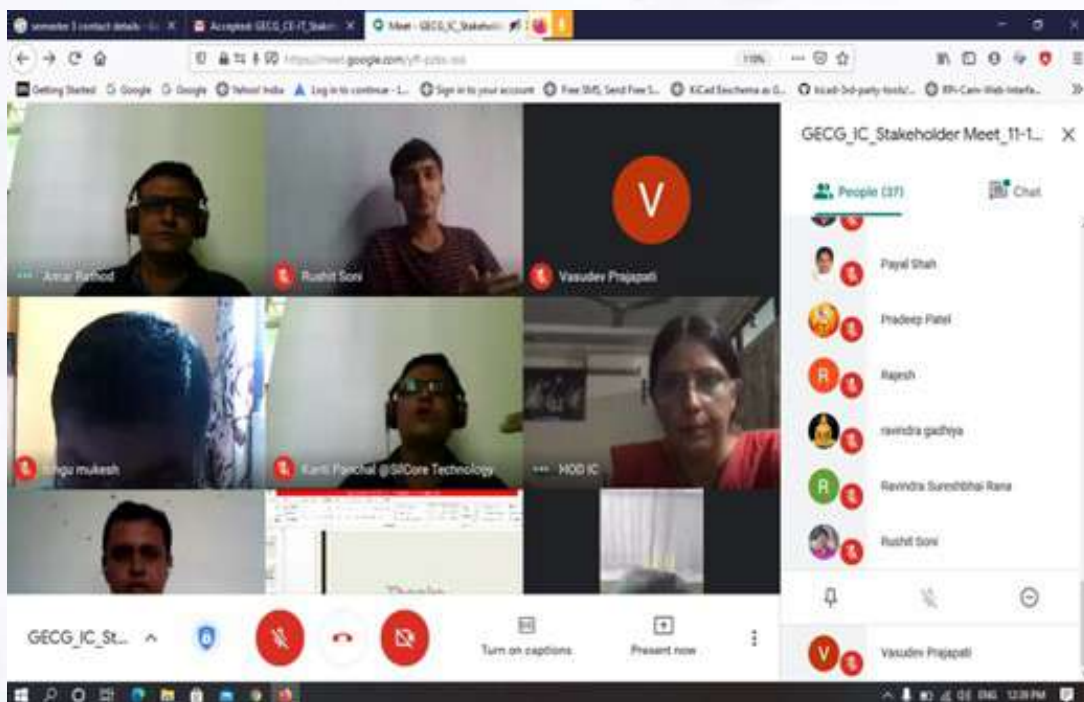
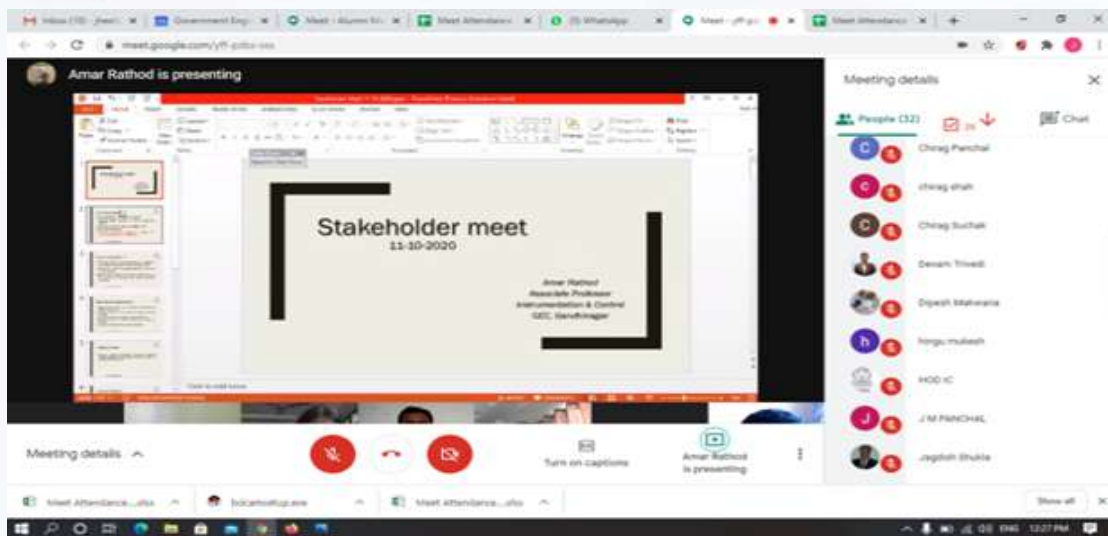
Ms. Drashti Oza, currently working as an Assistant District registrar, Class-2, Department of Agriculture and cooperation, Ahmedabad, guided students about the preparations required for Civil services and GPSC exams.



DEPARTMENTAL ACTIVITIES

STAKEHOLDER'S MEET

A stakeholders Meet was held on October 11, 2020 where the vision, mission and PEOs were disseminated to the stakeholders of the program. Many suggestions were given to improve the attainment of the same.



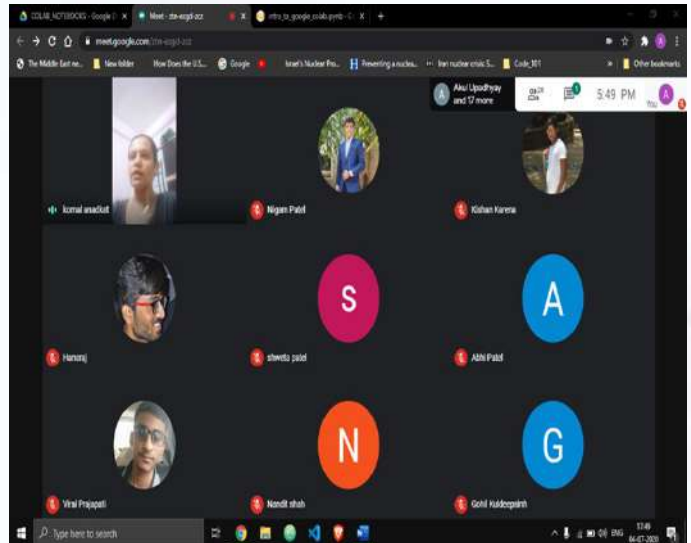
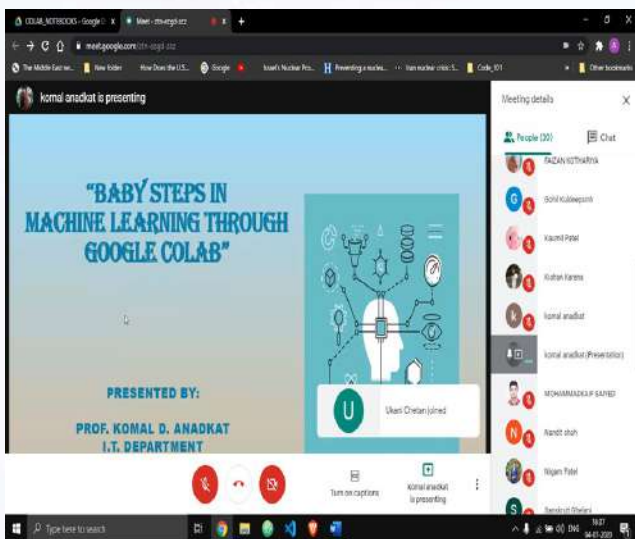
INFORMATION TECHNOLOGY ENGINEERING



DEPARTMENTAL ACTIVITIES

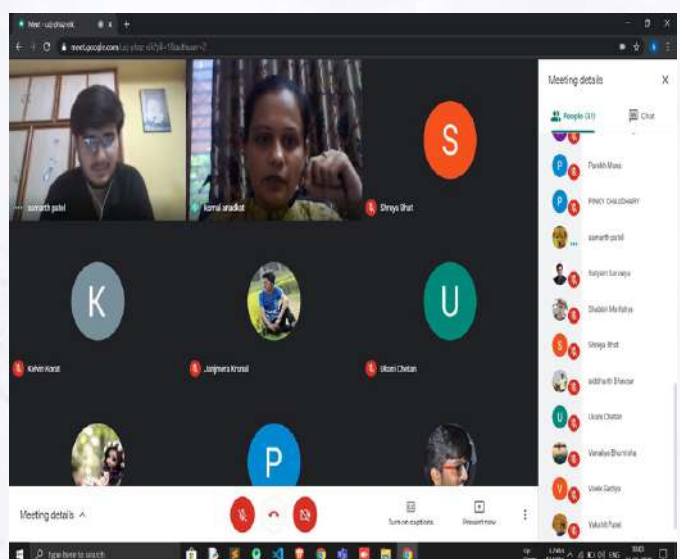
WEBINARS

Webinar on Baby steps in Machine Learning through Google Colab was organized on July 4, 2020 Coordinated by Prof. Komal D. Anadkat



Webinar on “How to Crack GATE Exam” was organized on August 22, 2020 Coordinated by Prof. Komal D. Anadkat

A promotional poster for a webinar. The top left corner says "LIVE WEBINAR" in a red box. The main title is "How To Crack The GATE Exam" in white text on a dark blue background. Below the title, it says "You Will Get Answers Of:-" followed by three bullet points: "- Should I go to coaching classes or not?", "- Should I study 8 hrs a day for good score?", and "- How should I prepare to qualify?". The date and time are listed as "SATURDAY AUGUST 22 6 PM - 7 PM". Contact information includes "For Any Queries Contact Us- idept.gecg@gmail.com". A QR code is provided for registration. The speaker's name is "Samarth Patel", an M.Tech. student from IIT Bangalore (AIR-920). The webinar is organized by the Information Technology Department, G.E.C., Gandhinagar.



DEPARTMENTAL ACTIVITIES

Webinar on Opportunities after B.E. was organized on July 4, 2020 Coordinated by Prof. Anamika Mittal

**GEC GANDHINAGAR
IT DEPARTMENT PRESENTS**

OPPORTUNITIES AFTER BE

HOW TO START A CAREER IN MACHINE LEARNING ?

MEET OUR SPEAKER

 **Komal Langolia**, an assistant professor who specializes in guiding students for GATE preparation, how to start a career in ML, timetable scheduling and a lot more. She is currently working with alumnus of IIT Bombay and IISc (including Mallikarjun Dasgupta) and will be happy to attend to your queries on the subject

DATE • 29 AUGUST 2020
TIME • 5:00 PM
VENUE • [GOOGLE MEET](#)



HEAD OF DEPT. CE/IT DR. D. A. PARIKH
EVENT CO-ORDINATOR PROF. ANAMIKA MITTAL
QUESTIONS OR RSVP +91 7698060320

Workshop on “CUDA Programming” was organized on September 5, 2020 Coordinated by Prof. M. N. Patel

**GEC GANDHINAGAR
IT DEPARTMENT PRESENTS**

CUDA PROGRAMMING WORKSHOP

(UTILIZING NVIDIA GPU
FOR PROGRAMMING)



nvidia

**COME DIVE IN TO THE AMAZING
WORLD OF CUDA**

**DRAMATICALLY INCREASE YOUR
CPU'S PERFORMANCE BY HARNESSING
THE TRUE POWER OF GPU**

Meeting details

People (43)

Chat (0)

Add people

Prof. M. N. Patel (host)

Ajay Patel

Amit Upadhyay

Amit Upadhyay

Akshay Bhat

Aman Khob

Govind

Shaunak Sunny

Chetan Rajgopal

Devaraj Sogita

Dharan Shakti

Gagan Saranya is presenting

Computing Paradigms

- 1) Centralized or monolithic computing
single program - single processors
- 2) Parallel computing
single program - multiple processors
- 3) Distributed Computing
multiple computers/nodes - multiple processors each
- 4) Cloud Computing
model of distributed computing

Meeting details

Turn on captions

Gagan Saranya is presenting

Type here to search

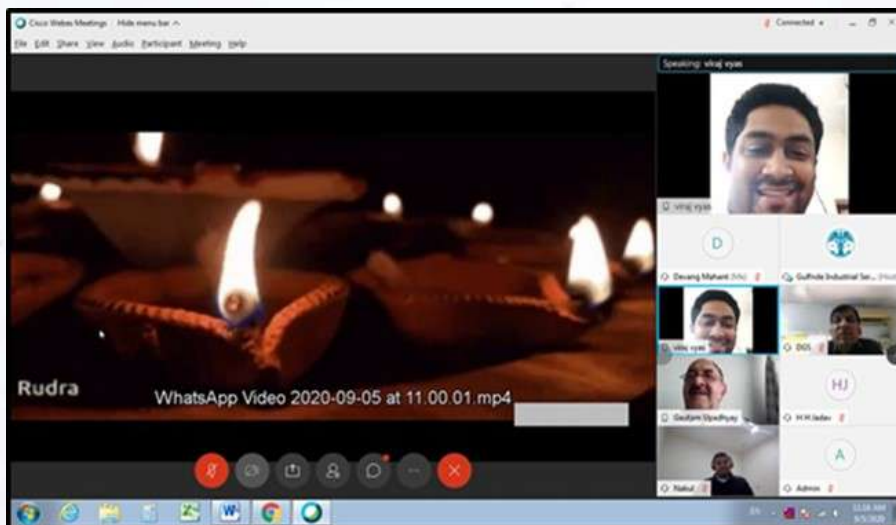
12:46 PM 9/5/2020

METALLURGY ENGINEERING



DEPARTMENTAL ACTIVITIES

- ◆ Indigenous instrumentation for nanotechnology (IINT 2020)” was organised by Dept of Metallurgical Engg, BIT, Sindri, Dhanbad, Jharkhand, on September 11, 2020. Fruitful information on processing and characterization of nano materials was shared in this webinar. 28 Students of 5th sem Metallurgy department along with prof B.R. Rana have participated in this webinar.
- ◆ Online Teacher’s day was celebrated by metallurgy department, GEC Gandhinagar on September 5, 2020 from 11:00 AM to 12:00 AM on WebEx platform. More than 48 alumni from various countries like Germany, USA and current students have joined the event. Event started with virtual lightening of lamp and prayer by Mr. Viraj Vyas. A video has been shared by alumni in respect of all teachers. Dr. I B Dave shared a motivating speech on the auspicious day. Mesmerising speech was given by Dr. G H Upadhyay. All the faculties have shared their feeling and wished all the students. Various alumni working in various industries and associated in higher studies in various reputed institutes have shared their experience which was very helpful in terms of guiding existing students of the department. Program was concluded with vote of thanks by Prof. B R Rana.



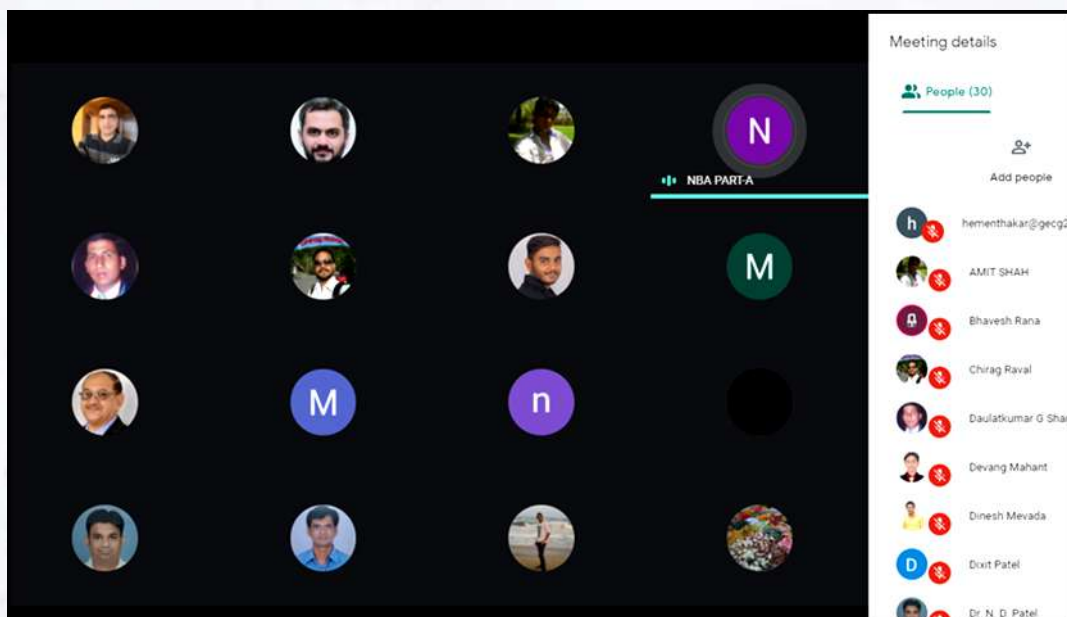
- ◆ The Engineering community is celebrating the Engineer’s day on 15th September every year as a remarkable tribute to the greatest Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya. The Metallurgy Department of Government Engineering College, Sector 28, Gandhinagar believes in overall development of students by virtue of which Metallurgy Department celebrated Engineer’s Day on September 15, 2020, Tuesday by conducting the national level online quiz on material science. This event was coordinated by Prof. B R Rana and Prof H. H Thakar. 194 participants had attempted the quiz and received certificate of participation. The Metallurgy Department, GEC, Gandhinagar expressing the deep thanks for the registration as well as active participation. The participants were belong to different Government institution, Private colleges, grant in aid colleges, industries, Alumni students all across the country.



DEPARTMENTAL ACTIVITIES

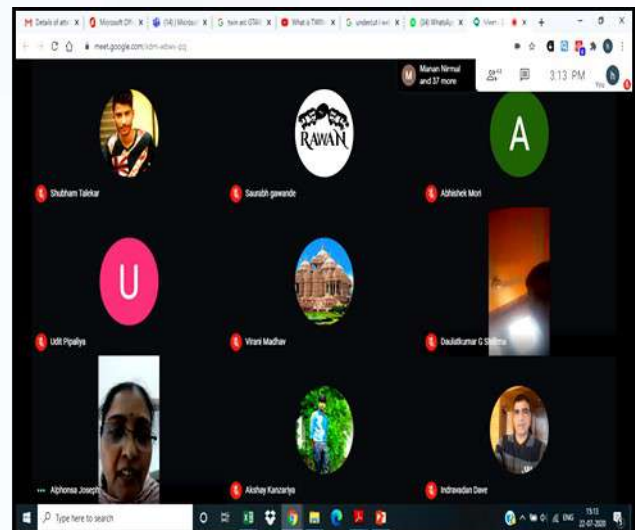
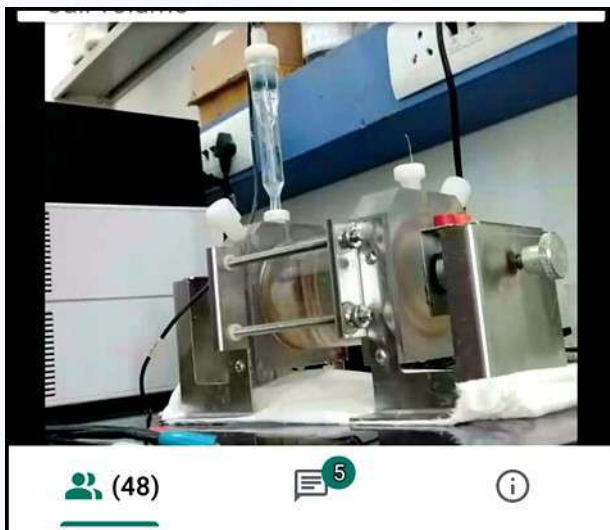
ALUMNI & STAKEHOLDER'S MEET

- ◆ Department have organized an expert talk by Alumni in this meeting for all current batches and pass out 2020 students on 11th October 2020 on the Google Meet Platform between 10 to 12 pm. The meeting started at 10.00 a.m. with welcome introduction by Dr I B Dave , HOD, Metallurgy.
- ◆ He handed over programme hosting to Dr. Minal Dani for introduction of Experts who are Alumni of GEC, Metallurgy Department . Expert talks on two different topics were delivered by alumni experts. Approximate 82 current students from all batches and faculty members from Metallurgy and Mechanical 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 HOD sir Dr. I B Dave, both alumni experts and all departmental staff with his good wishes.
- ◆ Department has organized a stakeholders meeting on 11/10/2020 at 12-1 PM. Meeting started with welcome address by Dr. P K Nanavati. Prof. and head of department Dr. I B Dave discussed about institute and department's Vision and Mission. Further Dr. I B Dave represented various activities done at the metallurgy department. He justified that the vision statement is in-line with the research as most of the staff is involved in various research activities like Doctoral studies, SSIP projects, and publishing technical papers in reputed journals. More than 30 stakeholders were remained present during the meeting and have given their views regarding Vision and Mission of the department.

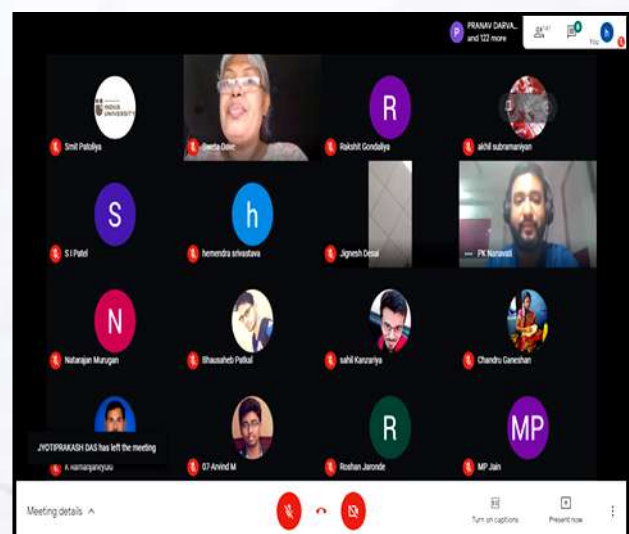
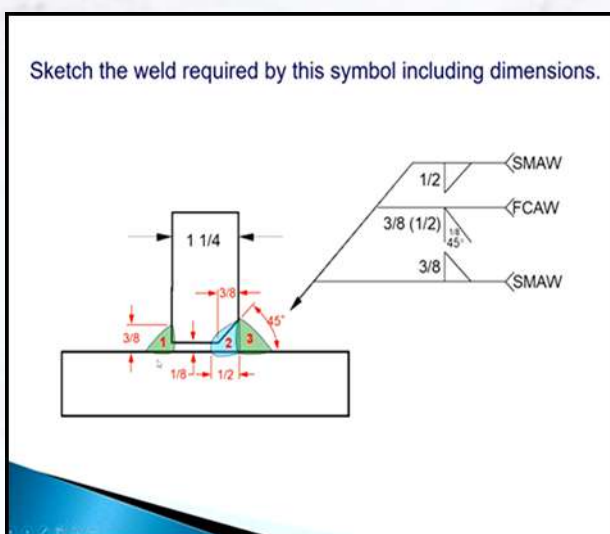


DEPARTMENTAL ACTIVITIES

- ♦ Expert lecture with practical demonstration On “Corrosion test using Potentiostat” by Dr. Alphonso Joseph Palakel, (PSED division head, Scientific Officer G, FCIPT, IPR, Gandhinagar), was organised by Dr. D. G. Sharma and Prof. H. H. Jadav on July 22, 2020 , Time: 3.00 pm to 4.30 pm. For Final and Pre-final Year Students, BE, Metallurgy, GEC Gandhinagar. More than 48 students along with Metallurgy engineering faculty members have attended the webinar.

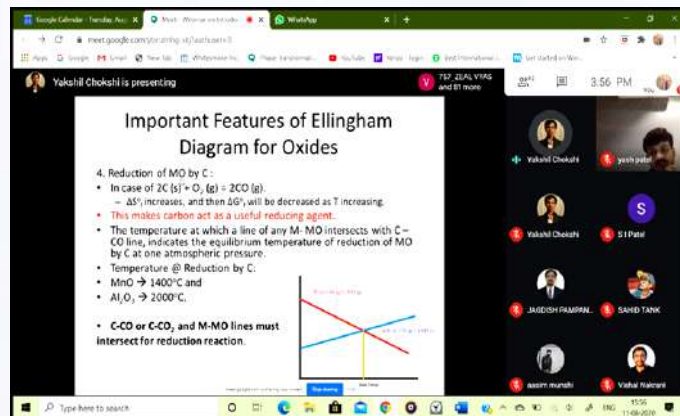


Manager Material Engineering Technology, Plant Integrity Division, L&T, Chiyoda, Baroda), was organised on 27/7/2020, 1:00 pm to 2:30 pm by Metallurgy department GEC Gandhinagar in association with IIM Baroda chapter . This webinar was organised by Dr. P K Nanavati and Prof. H H Thakar. More than 150 participants from various institutes and industries of our country have attended the webinar.



DEPARTMENTAL ACTIVITIES

Online free webinar on “Introduction to Ellingham Diagram” by Mr. Yakshil B. Chokshi (Lecturer GP , Rajkot) was organised on August 11, 2020 by Metallurgy department GEC Gandhinagar. This webinar was organised by Dr. M S Dani. More than 194 participants have attended this webinar from various institution like Govt. Polytechnic Rajkot, Govt. Polytechnic Bhuj, S S Gandhi College surat, M. S. University Baroda, Parul University etc.



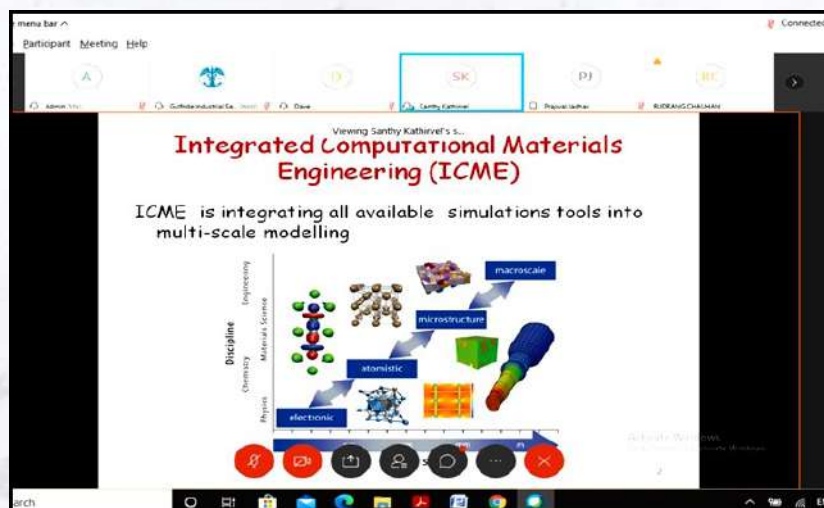
The screenshot shows a Zoom meeting interface. The main content is a slide titled "Important Features of Ellingham Diagram for Oxides". The slide lists the following points:

- 4. Reduction of MO by C:
 - In case of $2C(s) + O_2(g) = 2CO(g)$, ΔS° increases, and then ΔG° will be decreased as T increasing.
 - This makes carbon act as a useful reducing agent.
- The temperature at which a line of any M-MO intersects with C-CO line, indicates the equilibrium temperature of reduction of MO by C at one atmospheric pressure.
- Temperature @ Reduction by C:
 - $MnO \rightarrow 1400^\circ C$ and
 - $Al_2O_3 \rightarrow 2000^\circ C$.
- C-CO or C-CO₂ and M-MO lines must intersect for reduction reaction.

The slide also includes a graph showing the Ellingham diagram with lines for C-CO and M-MO intersecting. The Zoom interface shows a list of participants on the right and a Windows taskbar at the bottom.

International webinar on “Industrial NDT, Welding and ASME standards” was jointly organised by Gulf NDE and Centre of Quality, Metallurgy Department, GEC Gandhinagar on September 9, 2020 having more than 160 participants 50 + industrial participation Companies - SGS India, Bharat forge, Sainest tube, Kelvion India, Essar, DNVGL University - IIT Kharagpur, IIT Bombay, Mahatma Gandhi Institute of Technology Hyderabad, M S University Baroda.

Metallurgy Department GEC Gandhinagar in association with Department of Materials & Metallurgical Engineering IITE, Indus University has organised an online free webinar on "Development of Multi - component Phase Diagram -The CALPHAD Approach" on August 17, 2020 at 10:30 AM to 12:30 PM. Session was delivered by Dr. K Santhy, Associate Professor and Head, Materials & Metallurgical Engineering IITE, Indus University. The event is under coordination of Dr. P K Nanavati and Prof D V Mahant. More than 130 participants from various reputed universities and well known industries have participated in this session.



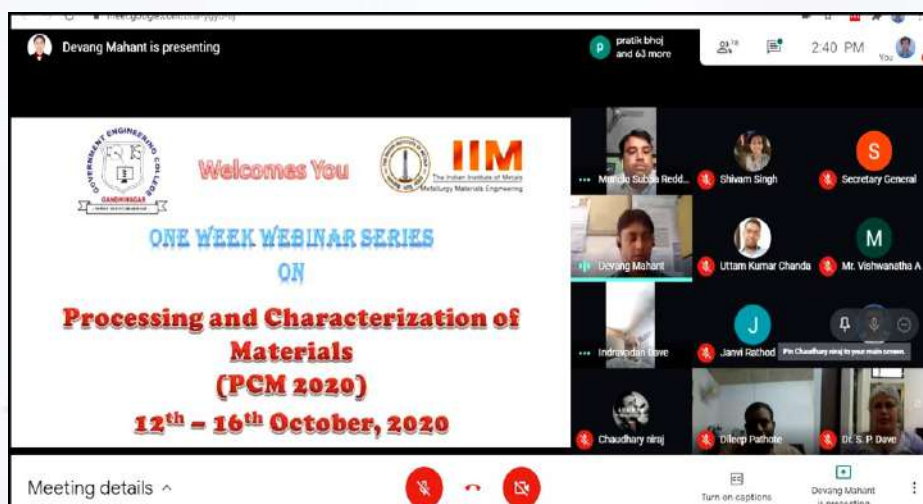
The screenshot shows a Zoom meeting interface. The main content is a slide titled "Integrated Computational Materials Engineering (ICME)". The slide text reads: "ICME is integrating all available simulations tools into multi-scale modelling". Below the text is a diagram illustrating the multi-scale modeling process, showing a flow from "electronic" to "atomistic" to "microstructure" to "macroscale". The diagram also includes a vertical axis labeled "Discipline" with categories: Physics, Chemistry, and Engineering. The Zoom interface shows a list of participants on the right and a Windows taskbar at the bottom.

DEPARTMENTAL ACTIVITIES

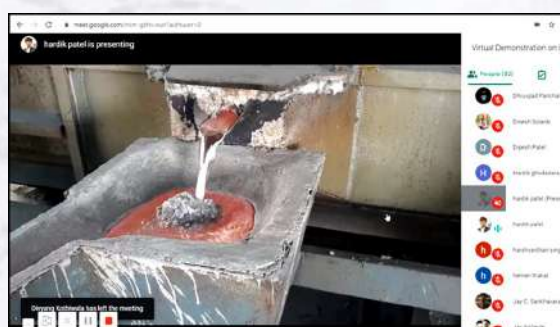
ONE WEEK WEBINAR SERIES

As part of celebration of IIM Baroda Chapters Golden jubilee Year (2020-21), One week Webinar series “Processing and Characterization of Materials” (PCM-2020) jointly organized by IIM Baroda Chapter & Metallurgy Department, GEC Gandhinagar during October 12-16, 2020.

Total more than 250 delegated from 65 Cities of 18 states in capacity of Director, MD, Assistant manager, Plant inspector, Sr Manager, QA Engineer, Manager, Integrity Section Leader from 19 Industries, scientific officer from 5 Govt of India organization, Professor, Associate professor, Assistant Professor, Phd Research scholar, UG & PG students from more than 40 University/Colleges, IITs & NITs has been registered.



Alumni are the brand-ambassadors of the institution they graduated from. alumni can play an active role in voluntary programmes like mentoring students in their areas of expertise. Alumni is a huge talent pool whose guidance can be beneficial to many students and other fellow-alumni in their respective areas of study. With this viewpoints, under the guidance of Dr. S. P. Dave, (Principal, GEC Gandhinagar), Metallurgy department, GEC Gandhinagar has organized a one week online webinar series on “Virtual Demonstration on Industrial Aspects of Metallurgy” in association with alumni association Students Society of Metallurgy Engineers Gandhinagar during November 2-6, 2020, 3:15 PM to 5:15 PM. This webinar was coordinated by Prof. H. H. Thakar and Dr. M. S. Dani. Motive of this event was to give practical exposure to students and make them familiarize with various aspects of industrial metallurgy by giving a live demonstration.

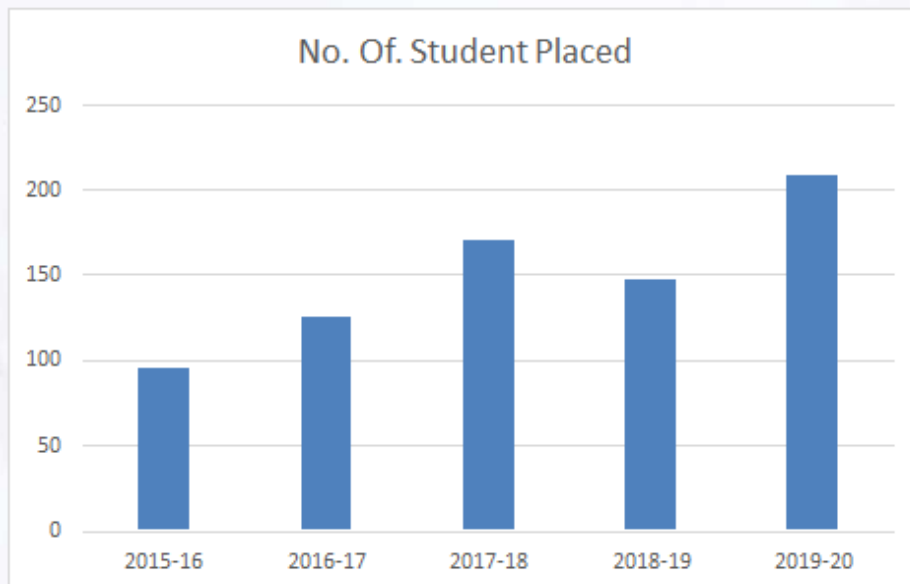


PLACEMENT NEWS

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

GEC–Gandhinagar “Sarjan SSIP Cell” organized a webinar on October 22, 2020 focusing “How to Select and Sustain Start Ups and the sessions were delivered by Prof. K. K. Acharya on “Ecosystem for Students integrated growth” and another session was delivered by Ms. Siddhi Vora on “Choosing and Sustaining Start Ups”.

	GOVERNMENT ENGINEERING COLLEGE GANDHINAGAR	
Webinar on <u>How to Select & Sustain Start Ups</u>		
Speaker 1: <u>Prof.K.K.Acharya</u> - SSIP Ecosystem for students' integrated growth	Date : 22nd Oct. 2020 (Thursday) Time :11.30am to 1:00pm	
Speaker 2: <u>Ms. Siddhi Vora</u> Choosing and Sustaining Start ups		
Patron: <u>Dr. S. P. Dave</u> (Principal) SSIP Mentor: <u>Dr. K. G. Maradia</u> SSIP Coordinator: <u>Prof. Ketan Acharya</u>	Link: https://tinyurl.com/y4bdocgo	



MEDIA COVERAGE

સરકારી ઈજનેર કોલેજ સેક્ટર-૨૮માં ઓનલાઇન તાલીમ

સરકારી ઈજનેરી કોલેજ સેક્ટર-૨૮ ખાતે કમ્પ્યુટર ઈજનેરી વિભાગ દ્વારા ક્લાઉડ કમ્પ્યુટિંગ ટેકનોલોજી વિષય આધારિત પ્રાધ્યાપકો તથા રીસર્ચ સ્કોલર્સ માટે રાષ્ટ્રીય સ્તરના ઓનલાઇન ટ્રેનીંગ પ્રોગ્રામનું આયોજન કરી શ્રી ૧૧ સેક્ટર-૨૮ દરમિયાન આયોજન કરવામાં આવ્યું છે. ક્લાઉડ કમ્પ્યુટિંગ ટેકનોલોજી ડેટાનો ઉપયોગ અને સંગ્રહની મર્યાદાઓને દૂર કરી તેને ફક્ત ઇન્ટરનેટના માધ્યમથી સુરક્ષિત અને સરળ રીતે વપરાશકર્તાને ઉપલબ્ધ કરાવે છે તે સહિતની બાબતોનું માર્ગદર્શન આપવામાં આવ્યો. આ તાલીમમાં ઇન્ડસ્ટ્રીના તજજ્ઞો પ્રેક્ટીકલ હેન્ડસ-ઓન સેશન સાથે વ્યાખ્યાન આપ્યો. તાલીમના અંતિમ દિવસે સાંપ્રત પરિસ્થિતિને અનુકૂળિત રીતે આ ઓફ લાઇવ સિયસ પર વ્યાખ્યાન આપવામાં આવ્યો. આ પ્રોગ્રામને ટેકનિકલ સિદ્ધાંત નિવારણી કહેરી દ્વારા મંજૂરી આપવામાં આવી છે. જેમાં ટેકની વિવિધ શૈક્ષણિક સંસ્થાઓના અધ્યાપક ૨૦૦થી વધુ પ્રાધ્યાપકો ભાગ લેશે. આ તાલીમ ઓનલાઇન માર્કેટપ્લેસ ટીમ પર ચોલાશે.

સરકારી ઈજનેરી કોલેજમાં ક્લાઉડ કમ્પ્યુટિંગ ટેકનો. ઉપર તાલીમ



ગાંધીનગર ભાસ્કર | સરકારી ઈજનેરી કોલેજ, સેક્ટર-૨૮, ગાંધીનગરના કમ્પ્યુટર ઈજનેરી વિભાગ દ્વારા ક્લાઉડ કમ્પ્યુટિંગ ટેકનોલોજી વિષય ઉપર પ્રાધ્યાપકો તથા રીસર્ચ સ્કોલર્સ માટે રાષ્ટ્રીય સ્તરનો ઓનલાઇન ટ્રેનીંગ પ્રોગ્રામ શરૂ કરાયો છે. જેમાં ક્લાઉડ કમ્પ્યુટિંગ ટેકનોલોજી ડેટાનો ઉપયોગ અને સંગ્રહની મર્યાદાઓને દૂર કરી તેને ફક્ત ઇન્ટરનેટના માધ્યમથી સુરક્ષિત અને સરળ રીતે વપરાશકર્તાને ઉપલબ્ધ કરાવે છે. તેની જાણકારી આપતી ઓનલાઇન તાલીમ તાજેતરમાં યોજાઈ હતી.

સરકારી ઈજનેરી કોલેજ ખાતે ક્લાઉડ કમ્પ્યુટિંગ ટેકનોલોજીનાં વિષય પર ઓનલાઇન તાલીમ પ્રોગ્રામનું આયોજન

મહેસાણા, ૪ સરકારી ઈજનેરી કોલેજ સેક્ટર-૨૮, ગાંધીનગર ખાતે કમ્પ્યુટર ઈજનેરી વિભાગ દ્વારા તા.૦૩/૧૧/૨૦૨૦ થી તા.૦૨/૧૧/૨૦૨૦ દરમિયાન ક્લાઉડ કમ્પ્યુટિંગ ટેકનોલોજી વિષય આધારિત પ્રાધ્યાપકો તથા રીસર્ચ સ્કોલર્સ માટે રાષ્ટ્રીય સ્તરનો ઓનલાઇન ટ્રેનીંગ પ્રોગ્રામ શરૂ કરવામાં આવેલ છે. ક્લાઉડ કમ્પ્યુટિંગ ટેકનોલોજી ડેટાનો ઉપયોગ અને સંગ્રહની મર્યાદાઓને દૂર કરી તેને ફક્ત ઇન્ટરનેટના માધ્યમથી સુરક્ષિત અને સરળ રીતે વપરાશકર્તાને ઉપલબ્ધ કરાવે છે. તે કમ્પ્યુટરને વપરાશકર્તાને ઇન્ટરનેટ અને ઓનલાઇન માધ્યમથી વપરાશકર્તાઓને ઉપલબ્ધ કરાવે છે. તાજેતરની ક્લોડ-૧૦ની મહત્વાકાંક્ષી જરૂર સમયે વિષય કોલેજનાં ઈજનેરી વ્યાખ્યાનકર્તા સિદ્ધાંત નિવારણ કે આજે જરૂરિયાતોનું પતાવો આપવા ઓનલાઇન આયોજન

ઉપયોગ કરી રહ્યા છે. આ ક્લાઉડ કમ્પ્યુટિંગ ટેકનોલોજીનાં વિષય અનિવાર્ય અને અગત્યની છે. તેથી આજે નામદાર ઈજનેરી જેવી કે માર્કેટપ્લેસ, ગુગલ, એમજીએન આઈએમીએમ દ્વારા ક્લાઉડ કમ્પ્યુટિંગ ટેકનોલોજી

ટેકનોલોજી વેબસાઇટ માટે વ્યાખ્યાન આપ્યો. તાજેતરની અંતિમ દિવસે સાંપ્રત પરિસ્થિતિને અનુકૂળિત રીતે આ ઓફ લાઇવ સિયસ પર વ્યાખ્યાન આપવામાં આવ્યો. આ પ્રોગ્રામને ટેકનિકલ સિદ્ધાંત નિવારણી કહેરી દ્વારા મંજૂરી આપવામાં આવી છે. જેમાં ટેકની વિવિધ શૈક્ષણિક સંસ્થાઓના અધ્યાપક ૨૦૦થી વધુ પ્રાધ્યાપકો ભાગ લેશે. આ તાલીમ ઓનલાઇન માર્કેટપ્લેસ ટીમ પર ચોલાશે.



આજે પૂરી પાઠશાળામાં આયોજન કરવામાં આવ્યું છે. ક્લાઉડ કમ્પ્યુટિંગ ટેકનોલોજીનાં વિષય અનિવાર્ય અને અગત્યની છે. તેથી આજે નામદાર ઈજનેરી જેવી કે માર્કેટપ્લેસ, ગુગલ, એમજીએન આઈએમીએમ દ્વારા ક્લાઉડ કમ્પ્યુટિંગ ટેકનોલોજી



CREATIVE CORNER

ક્યાંક છે અંત તો ક્યાંક છે શરૂઆત,
બસ જીવન તારી મુસાફરીની આ જ તો છે ખાસ વાત..

ક્યાંક લખે છે કલમ તો ક્યાંક જીભ ચલાવે છે બાણ,
બસ ભાષા તારી ભાવનાઓની આ જ તો છે નોખી રજૂઆત..

ક્યાંક પેટ કરાવે છે વેઠ તો ક્યાંક ભેટ-સોગાદો છે ખાસ,
બસ જરૂરિયાત તારી આદતોની આ જ તો છે અસલ જાત..

ક્યાંક જીતનો છે જંગ તો ક્યાંક હારની છે લાંબી હારમાળ,
બસ અસ્તિત્વ તારા સમરાંગણનો આ જ તો છે ખરો જંગાવાત..

અને અંતે..

ક્યાંક છે સૂર્યોદય તો ક્યાંક છે સૂર્યાસ્ત,
બસ ધરા તારી ધરી નો આ જ તો છે અસીમ ચમત્કાર..

બસ એ જ કુદરતની જીવનરૂપી નવીન પરીકલ્પનાઓને આવનાર
વર્ષ:૨૦૨૧ માં ફરી પાછી સમજવાને,

ગાંધી...એક પ્રશ્નાર્થ..??..

જો હું ચલણમાં છું,
તો કામ-કાજનાં વલણમાં કેમ નથી??

જો હું ચરખામાં છું,
તો સરખે-સરખામાં કેમ નથી??

જો હું વિચારો માં છું,
તો લોક-વ્યહારમાં કેમ નથી??

જો હું સત્યાગ્રહ માં છું,
તો સત્યનાં આગ્રહમાં કેમ નથી??

જો હું અહિંસામાં છું,
તો આચાર સંહિતા માં કેમ નથી??

અને અંતે..

જો હું આઝાદીમાં છું,
તો આઝાદ હિન્દુસ્તાનમાં કેમ નથી??

જો મળે મને આ પ્રશ્નાર્થનો ખરો અર્થ,
તો જ થશે મારો આ જન્મ સાર્થક..

ચાલ ને, મોજથી મૃત્યુની મુસાફરી કરીએ..

ચાલ ને, મોજથી મૃત્યુની મુસાફરી કરીએ..

જન્મ લઈને તે જે જન્મારો મેળવ્યો,
બસ એને જ સાર્થક કરવા આજે મચી પડીએ,

ચાલ ને, મોજથી મૃત્યુની મુસાફરી કરીએ..

શ્વાસ ઉચ્છવાસની આ મસ્ત ગતિ ને,
બસ અલમસ્ત બનીને આજે માણી લઈએ,

ચાલ ને, મોજથી મૃત્યુની મુસાફરી કરીએ..

પ્રકૃતિની આ અનેરી પરિભાષા ને,
બસ પરિપક્વ થઈને આજે જાણી લઈએ,

ચાલ ને, મોજથી મૃત્યુની મુસાફરી કરીએ..

જીવનનાં આ રૂપેરી સ્પંદનો ને,
બસ છેક હૈયાનાં ઊંડાણમાં આજે દાબી દઈએ,

ચાલ ને, મોજથી મૃત્યુની મુસાફરી કરીએ..

અને અંતે,

જીવતરનાં આ અમૂલ્ય વારસાને,
બસ એક મૃત્યુ કાળે આજે સાચવી લઈએ,

ચાલ ને, મોજથી મૃત્યુની મુસાફરી કરીએ..

બસ એ જ મોજીલો મુસાફર,



ઓનલાઇન પરીક્ષા

શિક્ષણ સાથે જોડાયેલી વ્યક્તિ માટે ની વાર્તા(વાલી- વિદ્યાર્થી-શિક્ષકો)

શ્રુત્વાએ દિવાળી ખૂબ ધૂમધામથી ઊજવવાની ચાલુ કરી દીધી હતી. ખૂબ જ ખુશી થી તે દિવાળીના દિવસોની દરેક પળ જાણે ઉજાસ થી ભરી રહી હતી. મમ્મી-પપ્પા સાથે બહાર ફરવા જવું, મમ્મીને જુદી જુદી વાનગી બનાવવામાં મદદ કરવી, રંગોળી બનાવવી, દિવડા પ્રગટાવવા વગેરે. મમ્મી હેતા ને ખૂબ આનંદ થયો કે ચાલો દીકરીએ ભણવા સાથેતહેવારનું મહત્વ સમજ્યું અને સાથે મળીને તહેવારનો આનંદ લઈ રહી છે. શ્રુત્વાની પરીક્ષા તો ત્રીજના દિવસથી ચાલુ થતી હતી. પરંતુ પહેલીવાર હેતાએ શ્રુત્વાને પરીક્ષાના ચાર પાંચ દિવસ પહેલા આટલી તણાવમુક્ત જોઈ, અને મનોમન વિચાર્યું કે તે હવે પુખ્ત થતી જાય છે અને જીવનમાં ભણવા સિવાયના આનંદને માણતી થઈ છે. પરંતુ તેને શ્રુત્વાનું વર્તન વધારે પડતું મુક્ત લાગ્યું તેને થયું કે શ્રુત્વા કદાચ પરીક્ષા વિશે વિચારવા જ માગતી નથી. છેવટે દિવાળીની રાત્રે હેતા શ્રુત્વા પાસે ગઈ અને પરીક્ષાની તૈયારી વિશે પૂછ્યું શ્રુત્વા એ આંખ મિલાવ્યા વગર જવાબ આપ્યો કે હવે હું નથી રમતી એટલે કે હવે મને આમાં રસ નથી. અને હેતા એ લેક્ચર આપવાનું શરૂ કર્યું કે આખું સત્ર મહેનત કરી છે અને છેલ્લે વખતે તું કેમ આળસ કરે છે. હવે થોડા દિવસ તો વાંચવાનું છે.

શ્રુત્વાએ તેનો બળાપો કાઢ્યો તને ખબર છે મારી આ ચોથી ઓનલાઇન પરીક્ષા છે. શિક્ષકો એવા પેપર કાઢે છે જે આપેલ સમયમર્યાદા માં જાતે કરીએ તો પુરા ન થાય. દરેક પ્રશ્ન પાછળ વિચારવાનો ટાઈમ જોઈએ. આ બધાંજ પ્રશ્નોનો હું પેપર પુરું થયા પછી ઉકેલ મેળવું છું. જેમા મને મજા આવે છે. હેતાએ પૂછ્યું કે આવું તારે જ થાય છે કે બધાને જ સમય ઓછો પડે છે? તેણે નિરાશ વદને જવાબ આપ્યો મમ્મી બધાં ગ્રુપ બનાવી ટોપીક વહેંચી લે છે. અને દરેક સભ્ય એક એક ટોપીક તૈયાર કરી તેમાથી પૂછાયેલ પ્રશ્ન ઉકેલી બીજા ને મોકલે છે તો કેટલાક તો પરીક્ષા સમયે તેમના ઓળખિતા વિષય નિષ્ણાત મિત્રોનો પણ સહારો લે છે.

મમ્મી મારાથી હવે સહન નથી થતું. હવે મારાથી આ રીતની પરીક્ષા નહિ અપાય. મારો વાંચીને કંઈ ફાયદો થવાનો નથી. હેતા શ્રુત્વાની નિરાશા, તેના એકલા હાથે કરેલા પ્રયત્ન સમજી ગઈ પરંતુ આ કોરોના સામે ક્યાં કોઈનું કઈ ચાલે તેમ હતું. હેતા શ્રુત્વાને મહેનત ના ફળ, સત્યના પાઠ સમજાવી તેને ભણવા પ્રોત્સાહિત કરી સુવા ગઈ. પરંતુ તે પણ મનોમન વિચારવા લાગી કે હવે જલ્દીથી બધું ચાલુ થાય અને બધી પરિસ્થિતિ થાળે પડે તો ભણતર નું મહત્વ પાછું આવે. આમ ને આમ શ્રુત્વાની બે આંતરિક અને બે સત્રાંત પરીક્ષા ઓનલાઇન જ પૂરી થઈ ગઈ. વળી પાછું ફરી નવું શત્ર શરૂ થયું. કોરોનાની રસી આવી ગઈ છે પરંતુ હજી બધાને તે મુકાતા અને દેશને કોરોના મુક્ત થતાં વાર લાગશે. અને હોસ્ટેલવાળી સંસ્થા શરૂ થતાં કદાચ શ્રુત્વાની બીજી બે આંતરિક અને એક સત્રાંત પરીક્ષા ઓનલાઇન જ પૂરી થશે કે શું?

હવે શ્રુત્વાએ ગોલ્ડમેડલ ની આશા મૂકી દીધી છે. અને તેને આઇઆઇટી જેવી સંસ્થા કે જેમા દરેક સંસ્થાના પ્રથમ પાંચ વિદ્યાર્થી કે જે એમએસસી માં પ્રવેશ માટે અરજી કરી શકે તે માટે પણ લાયક ન રહેવાનો અફસોસ છે.

અને આજે ફરી એક ઓનલાઇન પરીક્ષા નો કાર્યક્રમ મુકાઈ ગયો છે. અને આજે શ્રુત્વાની મહેનત, પ્રામાણિકતા અને સત્યતા પર તેની નિરાશા અને ઓનલાઇન પરીક્ષામાં ચાલતી ગ્રુપ ટ્રેન્ડ કદાચ તેના પર હાવી થઈ જશે એમ લાગે છે. કેમ કે તેની મિત્ર નમીએ આજે સાથે મળીને પેપર લખવાનો પ્રસ્તાવ મૂકી દિધો છે અને તેના પર શ્રુત્વા વિચારવા લાગી છે.

શું લાગે છે તમને શ્રુત્વા શું કરશે? શ્રુત્વાએ શું કરવું જોઈએ ?

Written By:

Prof. Hemangini S. Shukla

Assistant Professor, Mathematics(General Department)



EDITORIAL BOARD

Chairman

Dr. Sweta. P. Dave
Principal,
GEC, Gandhinagar

Editor

Dr. K. G. Maradia
Dr. I. B. Dave
Dr. D. A. Parikh
Dr. V . V. Prajapati
Dr. S. A. Rankawat
Prof. S. R. Sarda

Members

Prof. K. K. Acharya
Dr. T. J. Patel
Prof. S. P. Agrawal
Prof. M. M. Nanavati



**GOVERNMENT ENGINEERING COLLEGE
SEC -28, GANDHINAGAR**

