



ASPIRE

BI- ANNUAL NEWSLETTER



July 2021 to December 2021

Issue— 8

GOVERNMENT ENGINEERING COLLEGE SEC - 28 , GANDHINAGAR

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.

- Prof. (Dr.) Shweta P. Dave

Principal

GEC-Gandhinagar

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FACULTY PUBLICATIONS

Computer

Dr. Pinal J. Patel published paper on “Automatic License Plate Detection & Recognition using Deep Learning” in Design Engineering Journal, ISSN 0011-9342, Issue 8, 2021

Dr. Pinal J. Patel published paper on “IoT Based Liquid Level Monitoring System” in Design Engineering Journal, ISSN 0011-9342, Issue 8, 2021

Dr. Pinal J. Patel published paper on “Brain Tumor Detection and Segmentation”, in Design Engineering Journal, ISSN 0011-9342, Issue 8, 2021

Electronics & Communication

Prof. Nilesh M. Bankar has submitted the full paper on "Performance of Uplink NOMA-MIMO System with Joint DPC-OSIC Detector" in 2021 IEEE Region 10 Conference (TENCON) and received the acknowledgement on 22/11/2021.

General Department

Prof. Sunilkumar Agrawal has published a research paper titled "Technoeconomic Unified OPF Modeling for VSC-HVDC Converter Installation," in Electrica, vol. 21, no. 3, pp. 352-367, September 2021

Prof. Pratik M. Gadhavi has published paper titled "First Principle Study of the Electronic Properties of Sn and Pb doped Graphene" in "Shodhsamhita journal", volume VIII, issue 7, 2021-2022, December 2021

Dr. Daksha M. Diwan has published paper titled "EXTENDED BINET FORMULA FOR THE CLASS OF GENERALIZED LUCAS SEQUENCES" in "Mathematics Today" Volume 37 Issue 1 (June 2021), 21-28, ISSN 0976-3228.

Information & Technology

Prof. Komal D. Anadkat published an article 'Effect Of Activation Function In Speech Emotion Recognition On The Ravdess Dataset' in RT&A in September 2021.

Instrumentation & Control

Prof. Aarti N. Bokade, Assistant Professor, IC Department, has published a paper on "Breast Mass Classification with Deep Transfer Feature Extractor Model and Random Forest Classifier", Publisher: IEEE, Published in: 2021 International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT).

Metallurgy

Urvesh Vala, Indravadan B. Dave has published research article on "Thermal spray coating replacing the traditional hot dipped galvanizing process in present industrial scenario" in CORCON 2021, India, NACE November 2021. (Online)

Samir Rathod, Daulat Kumar Sharma, Minal Dani, Paras Rank & Nikunj Savaliya has published review article on “Effect of Friction Stir Processing on AZ91 Mg-alloy: A Review” in Journal Kejuruteraan journal of Malaysia in November 2021, Vol 33 Issue - 4.

Akash Deep, Vivek Singh, Som Ashutosh, M. Chandrasekaran, Dixit Patel has published research paper on “Performance of weld bead profile during A-TIG welding on nitrogen alloyed stainless steel” in Engineering Research Express, IOP publishing in November 2021, Vol. 3 Issue - 4.

Dixit Patel, Suketu Jani, Vivek Singh, Som Ashutosh has published research paper on “Develop a sustainable welding procedure for chromium manganese austenitic stainless steel using the ATIG process” in Engineering Research Express, IOP publishing in November 2021, Vol. 3 Issue - 4.

Minal S. Dani, I. B. Dave and Alphonsa Joseph has published research paper on “Improvement In Corrosion Resistance Of Magnesium-Aluminum Alloy Via Friction Stir Processing” in Journal Kejuruteraan journal of Malaysia in November 2021, Vol 33 Issue - 4.

Harshadkumar Jadav, Vishwesh Badheka, G H Upadhyay, Kush Mehtahas published review paper on “Dissimilar welding of magnesium alloy to aluminium alloy: a review” in Journal of Advances in Materials and Processing Technologies in December 2021. (Online)

PARTICIPATION IN STTP/SEMINAR/WORKSHOP

Bio-Medical

Prof. Mitul Khandhedia attended online one week training program on “Multisim for Analog & Digital Circuit Design” from 16th August, 2021 to 20th August, 2021

Prof. Rutu Nayak participated in “Legal Awareness for Women Related Laws” organized by Women Development Cell, GTU on 28th October 2021.

Dr. Vijay Dave delivered Expert lecture on topic " Computational Modeling of Neurons and Synaptic Transmission" in DST-GUJCOST Sponsored Two Days International E-Workshop On “ROLE OF IT IN HEALTHCARE: TECHNOLOGIES AND APPLICATIONS” at Sankalchand Patel University, Visnagar,Gujarat on 13th August 2021.

Dr. Vijay Dave delivered Expert session on 'Innovations in Diabetes Care by Stakeholders' in 1st International Conference on "Innovations by NGOs in Diabetes Care" on 13th August, 2021.

Computer

Prof. N.S. Shroff has participated in FDP on PhpMySQL organized by IIT Bombay Spoken Tutorial from 21st June, 2021 to 27th June,2021

Prof. Ashvinkumar R. Prajapati has attended Online STTP on Induction Programme Phase-I organized by NITTR , Bhopal from 23rd August, 2021 to 03rd September ,2021.

Prof. N. D. Shah has attended Online STTP on Induction Programme Phase-II organized by NITTR , Bhopal from 22nd June, 2021 to 02nd July,2021

Dr. P. J. Patel has participated in Online FDP on mobile and cloud security : challenges and directions from 03rd June, 2021 to 9th June,2021

Electronics & Communication

Prof.(Dr.) Avani A. Vithlani has participated in the NPTEL Online Course on "Soft Skills" during 26th July, 2021 to 15th October, 2021.

Prof.(Dr.) Avani A. Vithlani has successfully completed 02 Credit course under the SWAYAM Online Course on "Fundamentals of Outcome based curriculum in Engg. Education" on 16th August 2021.

Prof. Jignesh K. Bhavsar has participated in the NPTEL Online Course on "Soft Skills" during 26th July, 2021 to 15th October, 2021.

Prof. Jignesh K. Bhavsar has successfully completed 02 Credit course under the SWAYAM Online Course on "Fundamentals of Outcome based curriculum in Engg. Education" on 16th August 2021.

Prof.(Dr.) Shahid S. Modasiya has participated in the NPTEL Online Course on "Soft Skills" during 26th July, 2021 to 15th October, 2021.

Prof.(Dr.) Shahid S. Modasiya has successfully completed 02 Credit course under the SWAYAM Online Course on "Fundamentals of Outcome based curriculum in Engg. Education" on 16th August 2021.

Prof. Abhinav J. Dave has participated in the NITTTR Bhopal Online training on " Multisim for Analog and Digital Circuit Design" during 16th August, 2021 to 20th August, 2021.

Prof. Suhas H. Patel has participated in the NITTTR Bhopal Online training on "Technical Research Methodology" during 30th August, 2021 to 3rd September, 2021.

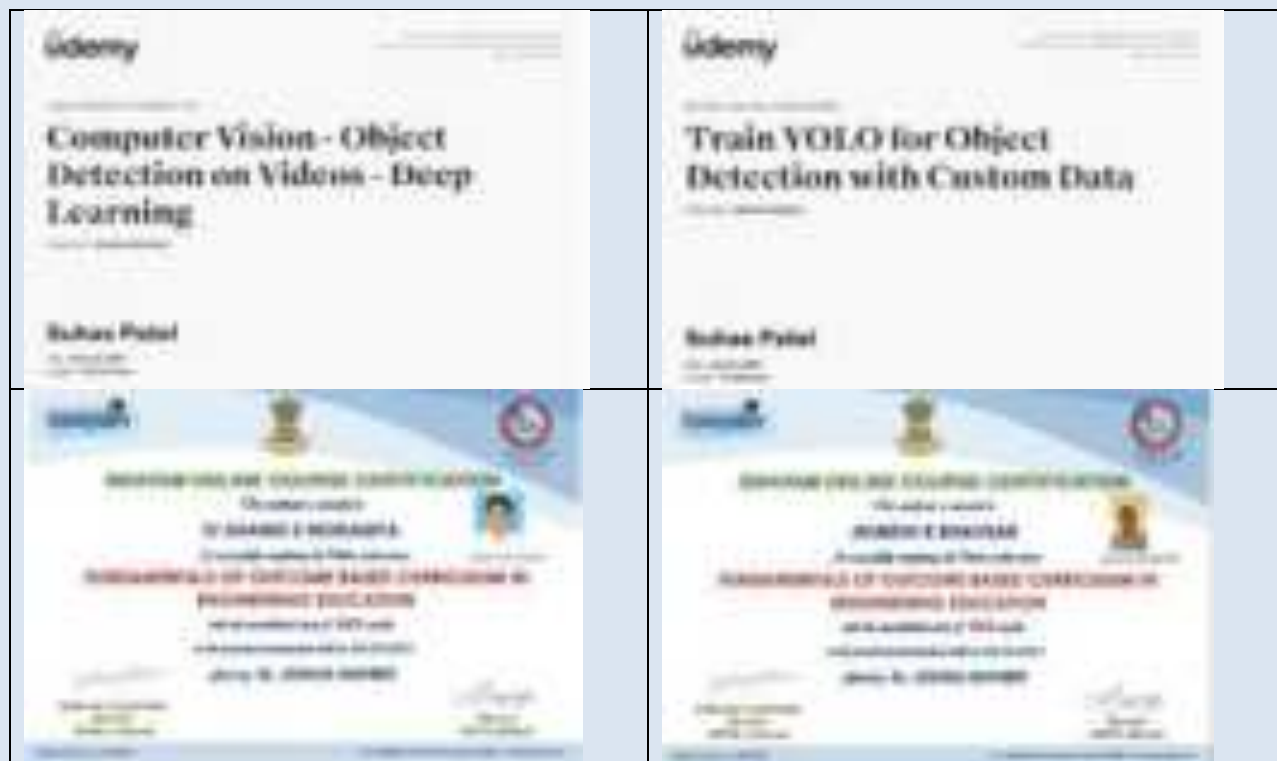
Prof. Suhas H. Patel has participated in the NITTTR Bhopal National Conference on "Innovation in Technical Education" on 18th November, 2021.

Prof. Suhas H. Patel has successfully completed 02 UDEMI courses in the broad area of Object detection & Computer Vision respectively on 21st July, 2021 & 8th September, 2021.

Prof. Devendra H. Patel has participated in the NITTTR Bhopal Online training on "Technical Research Methodology" during 30th August, 2021 to 3rd September, 2021.

Prof. (Dr.) Purvi Koringa has successfully completed 12 weeks NPTEL-SWAYAM course on "Learning Analytics Tools " during July-Oct 2021.





General Department

Dr. Mahendra A. Patel has attended 12 week MOOC training on "Linear Algebra" during 26th July, 2021 to 15th October, 2021.

Dr. Mahendra A. Patel has attended 12 week MOOC training on "Complex Analysis" during 26th July, 2021 to 15th October, 2021.

Prof. Yamini M. Parmar has attended 12 week MOOC training on " Complex Analysis " during 26th July, 2021 to 15th October, 2021.

Prof. Ashokkumar Vaghamsi has successfully completed AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Role of Renewable Energy Sources in Power System" organised by Government Engineering College, Patan during 5th July, 2021 to 9th July, 2021.

Prof. Ashokkumar Vaghamsi has successfully completed 12 week MOOC training on "Physics of Renewable Energy Systems" during 26th July, 2021 to 15th October, 2021.

Prof. Niravkumar Patel has successfully completed 12 week MOOC training on "Physics of Renewable Energy Systems" during 26th July, 2021 to 15th October, 2021.

Prof. Mihir Chaudhari has successfully completed 12 week MOOC training on "Physics of Renewable Energy Systems" during 26th July, 2021 to 15th October, 2021.

Prof. Sunilkumar Agrawal has attended 12 week MOOC training on "Physics of Renewable Energy Systems" during 26th July, 2021 to 15th October, 2021.

Prof. Hemangini Shukla has completed NPTEL-AICTE approved 12-week Faculty development programme on "Mathematical Methods and its Application" during 26th July, 2021 to 15th October, 2021.

Prof. Hemangini Shukla has attended Webinar on "Computational Methods in Applied Mathematics and Engineering" organized by the Department of Applied Science and Humanities, Sankalchand Patel College of Engineering, Visnagar from 13th August 2021 to 14th August 2021.

Prof. Hemangini Shukla has participated in Azadi Ka Amrut Mahotsav - Freedom Fest 2021 organized by WDC and NSS cell on 13th August 2021.

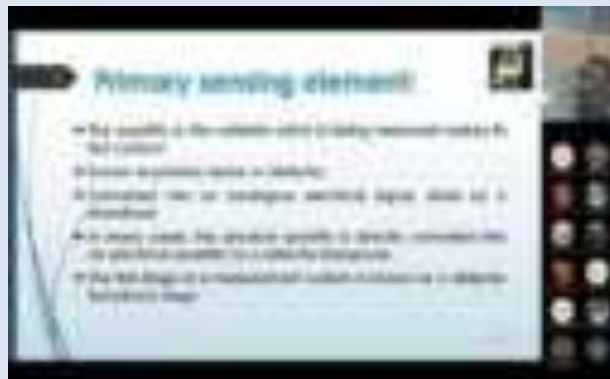
Dr Daksha M Diwan participated in Faculty Development Program-2021 themed "Teaching without teaching" on 21st October, 2021 at ahmedabad organized by GTU and IPDC.

Dr Daksha M Diwan successfully completed NPTEL MOOC the Course "Soft Skill" during 26th July, 2021 to 15th October, 2021.

Dr. Niravkumar Dasharathbhai Patel had participated in the three-week online NASI-TMC Summer School on Differential Geometry" organized by Department of Mathematics and Statistics, Central University of Punjab, Bathinda, Punjab during 5th July, 2021 to 24th July, 2021.

Instrumentation & Control

Prof. A. D. Rathod, Associate Professor, IC Department, had conducted an online expert lecture on "Industrial Instrumentation" on date: 27th October, 2021, at Electrical Engineering Department, R. C. Technical Institute, Sola, Ahmedabad.



Metallurgy

Dr. I B Dave Contributed as resource person at AICTE approved ATAL FDP on "Metallurgical Testing and Failure Analysis of Metals" during 13-17 September, 2021.

Dr. D G Sharma delivered talk on Corrosion and its Prevention to diploma metallurgy students at S & S S Ghandhy college Surat on 6th July 2021.

Dr. D G Sharma was Topper of NPTEL-AICTE approved 12 week Faculty Development program on "Aqueous Corrosion and its Control" during July-Oct 2021.

Prof. H H Jadav completed NPTEL-AICTE approved 12 week Faculty Development program on "Aqueous Corrosion and its Control" during July-Oct 2021.

Dr. P K Nanavati delivered expert talk on Basic and advancement in metallurgy in Fronius digital internship program on 22nd September, 2021.

Dr. P K Nanavati Contributed as resource person at AICTE approved ATAL FDP on "Metallurgical Testing and Failure Analysis of Metals" during 13-17 September, 2021.

Prof. D V Mahant completed NPTEL-AICTE approved 12 week Faculty Development program on "Aqueous Corrosion and its Control" during July-Oct 2021.

Prof D A Patel completed NPTEL-AICTE approved 8 week Faculty Development program on "Advances in welding and joining technologies" during July-September 2021.

Prof. H H Thakar completed NPTEL-AICTE approved 4 week Faculty Development program on "Welding of advanced high strength steels for automotive applications" with Silver Elite certification during July - Aug 2021.

Dr. M S Dani delivered expert webinar on "Fe Fe₃C diagram and Heat treatment of steels" organized by SSEC Bhavnagar on 22nd September, 2021.

FACULTY ACHIEVEMENT

Electronics & Communication

Towards establishing the state-of-art Advance Communication laboratory in the campus of GEC, Gandhinagar, E&C Department has submitted the Proposal for '**Center for Advance Communication Systems**'- (CACS) Lab worth grant of **Rs. 02 Crore** to O/o Directorate of Technical Education, Govt. of Gujarat on 17th November, 2021.

Metallurgy

Mr. Vishal Kaila received his Ph.D (Metallurgy) under the supervision of Dr. I. B. Dave in December 2021.

Prof. H H Thakar Successfully coordinated for restructuring of Students Society of Metallurgy Engineering Gandhinagar (SSMEG) in September 2021.

STUDENT ACHIEVEMENTS & PARTICIPATION

Bio-Medical

Jay Soni student of 7th semester has completed Online MATLAB self paced course on (1) MATLAB OnRamp and (2) Image Processing OnRamp with 100% score.

Rushikesh Parekh Vaishali Rajput student of 3rd semester has successfully completed Internship Program at Shalby Hospitals, Ahmedabad in June-July 2021.

Akshaya Warriar student of 3rd semester got a chance to participate in the 9th International Tourism Mart which was held in Kohima Nagaland from 27-30, November 2021 organized by Tourism Department of India. Total 50 students from all over India got this chance to represent their respective universities and states in this international Mart and to be the youth Ambassadors of India. She was selected by AIU (ASSOCIATION OF INDIA UNIVERSITIES) to represent GTU in this International Tourism Mart and to be part of 50 students who represented as team AIU India in this International tourism Mart. She also got a chance to meet Mr. Ajay Bhatt Minister of State in Ministry of Defence and Ministry of Tourism, Mr. Neiphiu Rio Chief Minister of Nagaland, Mr. Arvind Kumar, IAS -Secretary, Ministry of Tourism, Ms. Rupindra Brar IRS- ADG, Ministry of Tourism and Mr. Sanh Chau Pham Ambassador of Vietnam to India.



IAkshaya Warriar receiving Certificate from Mr. Sanh Chau Pham Ambassador of Vietnam to India. To right. Mr. Arvind Kumar, IAS -Secretary, Ministry of Tourism, and to the left side Mr. Sanh Chau Pham Ambassador of Vietnam to India, and Ms. Rupindra Brar I

Computer

Mr. Keyur Unadkat, student of CE was selected in student exchange program between GTU and IIT-Gandhinagar and continue his 6th semester at **IIT, Gandhinagar**

Mr. Sanidhya Suryakant Patel student of CE was among the top **11** finalists of “H-Social Creator2020” organized by Hyundai Motors India Foundation

Instrumentation & Control

Jyotik Simaria, student of 7th semester-IC is a member of GTU ROBOCON CLUB. Their team secured 9th rank at International level of ABU ROBOCON 2021. Hard Work of the whole team made India proud and be recognized at International level of ROBOCON 2021.



Vinisha Rasmitbhai Fatania, Vedant Dineshkumar Panchal and Dhruvrajsinh .R. Piludariya, Students of 5th semester-IC, had undergone training from Centre of Excellence in Automation at GTU, Chandkheda in July -Aug 2021 and got certificate of the same.

Smit Soni, student of 7th semester-IC, had participated in Gujarat state Yogasana sports competition, organised by Surat yoga association on 26th September 2021. He got bronze Medal (3rd rank) in individual event and got selected for the National Yogasana championship.

Smit Soni, student of 7th semester-IC, had participated in Gujarat State Yogasana Sports Championship 2021 (Online Mode) and achieved 2 gold medals and 1 bronze medal in different categories.



- Vinisha and her teammates

- Smit Soni

Metallurgy

GUNJIL BHAVSAR &CHIRAYU PANDE , students of 3rd semester won 2nd prize in “state level poster presentation competition organized on Engineer’s Day 15/09/2021” organized by GEC Gandhinagar and SSMEG on 15th September, 2021.

RAHUL YADAV, DIYA CHURAKKATE and SHRUTI SHRIVASTAVA 5th semester won 3rd prize in “state level poster presentation competition organized on Engineer’s Day 15/09/2021” organized by GEC Gandhinagar and SSMEG on 15th September, 2021.

DEPARTMENTAL ACTIVITIES

Bio-Medical

ALUMNI MEET – 2021

The Department of Biomedical Engineering had organized an alumni meeting for all batches on October 11, 2021 on the MS Teams Platform. The meeting started at 11.30.00 a.m. with a prayer. Prof. Piyush Patel, , BM Department welcomed the gathering. He handed over to Prof. Rutu Nayak. She compered during the program.

Total 156 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.

At the end, Prof. Rutu Nayak sincerely expressed gratitude to the Head of BM Department for their guidance and support to make this event a grand success and thanked to all Students, Faculties and Alumni for attending the meeting and contributing towards making it such an unforgettable day.


**Biomedical Department,
GEC Gandhinagar**

ALUMNI EXPERT TALK

Opportunities After BM Engineering
 By: Miss India Singh
 Sales Manager in Corning Inc.



OCT 11, 2021
11:30AM - 12:30 PM



Join On: MO Teams
<https://join.teams.ly/ACT71>

Organized By: AlumniCell GECGn
 Activity Head: Dr. J. B. Dave
 Faculty Co-ordinator- Dr. S. Saha Rayak



Dr. J. B. Dave
 Activity Head



Dr. S. Saha Rayak
 Faculty Co-ordinator



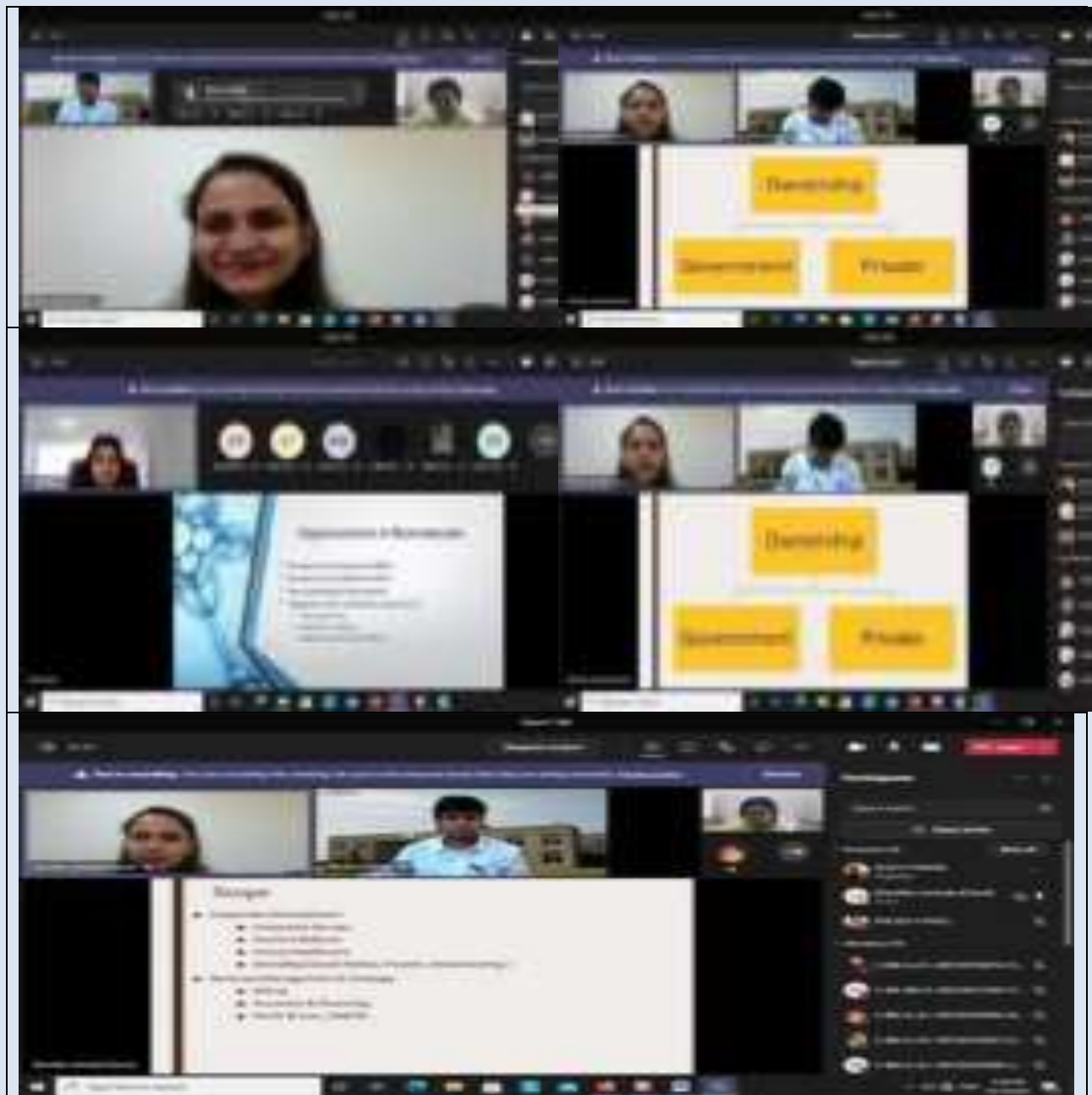


ALUMNI EXPERT TALK

The Department of Biomedical Engineering organized an alumni Expert Talk for all batches on October 14, 2021 on the MS Teams Platform. Prof. Ghanshyam Parmar, Head of BM Department welcomed the gathering. He handed over to Prof. Rutu Nayak. She compered the program.

Expert talk on the mentioned Topic was delivered by an alumni expert. Participants including alumni, current students and teachers participated in the event. The event was stimulating and enjoyable and simultaneously profitable as all insights came up.

At the end, Prof. Rutu Nayak sincerely expressed gratitude to the Head of BM Department for their guidance and support to make this event a grand success and thanked all Students, Faculties and Alumni for attending the meeting and contributing towards making it such an unforgettable day.



Computer

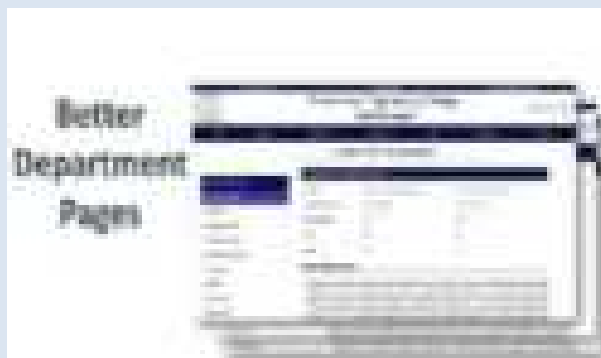
Webinar - Cyber Awareness Campaign

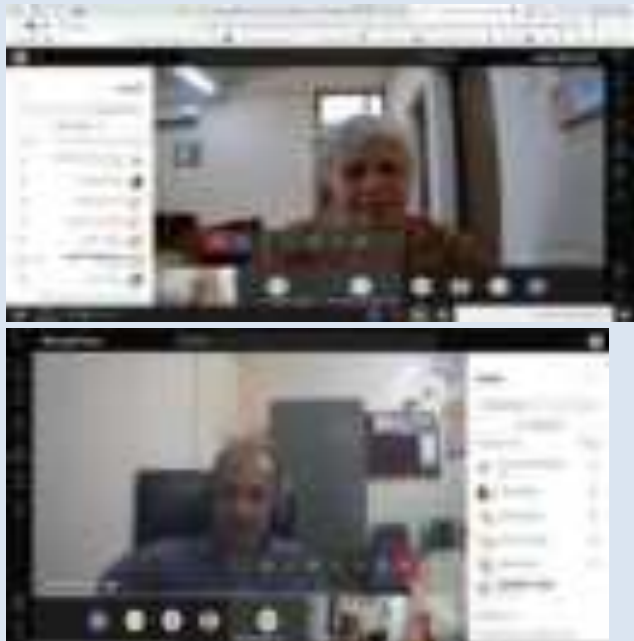
The Department of Computer Engineering organized a webinar on 5th October 2021 that is Coordinated by Dr. P.J.Patel. More than 100 participant has registered and 96 attendees has attended the program.



Institute Website Launch

Dr. Sweta dave, Principal, has launched new website for Institute on 7th October,2021. The event has been organized by Department of Computer Engineering and Coordinated by Dr. P.J.Patel.





Computer & Information & Technology

Alumni Meet was organized by CE & IT department on 9th October, 2021 in which 196+ alumni from all batches, students and faculties who had worked here participated in the event.

Engineer's Day was celebrated on 15th September, 2021 by the CE & IT department in which 100+ students joined.

Teacher's Day celebrated on 6th June, 2021 by the CE & IT department in which 160+ students joined.

Instrumentation & Control

Webinars

1. To familiarize the final and pre-final year students with the format and content to be written in a resume, the Instrumentation & Control department had organised a webinar on "Resume Writing" on 31st July, 2021. Prof. Dhavani Pandya from St. Kabir Institute of Professional Studies, Ahmedabad, had conducted the session.

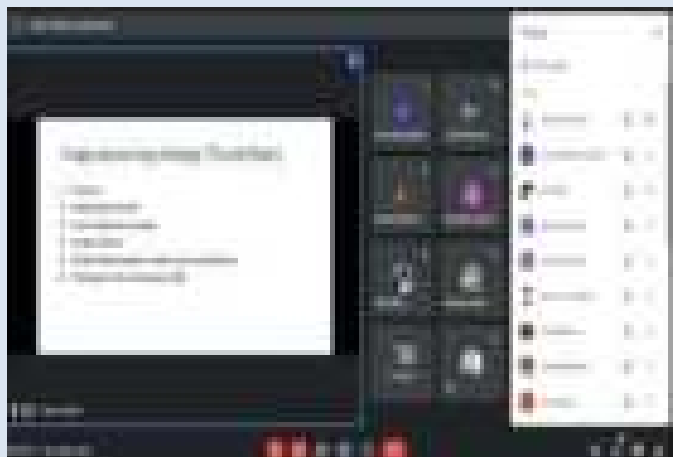


2. A webinar on "Microcontroller & Robotics Embedded System" was organised by I.C. department on 17th July, 2021. Experts from Prolific systems & Technologies Pvt. Ltd., had conducted the session and more than 60 students and 15 faculties had taken advantage of the same.



3. A webinar on "Image Processing for Satellite Image Analysis", was organised by IC Department for Final year students, on 2nd August, 2021. Mr. Tejas turakhia, Researcher from ISRO, Ahmedabad, was invited to share his knowledge.





4. On completion of one year of transformative reforms under National Education Policy (NEP)-2020, Instrumentation & Control Engineering Department, on behalf of Government Engineering College Gandhinagar had organized a webinar on "Use of Technology in education" on 10th August, 2021. Mr. Vipul Rajdev, Founder, Satvasys Solutions, Ahmedabad was invited to deliver this webinar. Many faculties and students of Government Engineering College, participated in this event.





5. A webinar on "Network analysis in practical applications" was conducted by IC Department on 18th September, 2021. Prof. Sunil D. Nayak, Assistant Professor, SAL College of Engineering, Ahmedabad had conducted the session. Students of 3rd semester were present in the session where, starting from the basic laws of network theories to various network simulation were covered.



6. A webinar on "Control Design with MATLAB and Simulink" was organized by IC Department on 23rd September, 2021. This session focused on how to easily tune simpler, single-input single-output PID controllers, as well as more complex arbitrary multivariable controllers. More than 100 students along with faculties had participated in the event.



7. A Webinar on “Automation in Food Processing” was organized on 7th October, 2021 for students of final and prefinal year. Prof. Mohan N.Patel, P.P Savani University, Assistant Professor had conducted the session.



8. A webinar on “Campus to Corporate-Be ready for transformational journey” was conducted by IC Department on 8th October 2021. Prof. Hiren Mandalia (Motivational speaker , GP Jamnagar) had conducted the session for the students and shared his views on some of the topics like career motivation, how to secure space in corporate world after education etc. He also discussed real time corporate problems and possible solutions.



9. A webinar on “Digital Electronics and its application” was conducted by IC department on 12th October 2021. Miss Urja J. Shah, Lecturer, Govt. Polytechnic, Ahmedabad had conducted the session for semester 3 students.



Alumni meet

Alumni meet was organized by Instrumentation & Control department on 11th October, 2021. Mr. Nihar Savaliya (Alumni student-IC), working as Junior Programmer (PLC and HMI), RBT Electrical and Automation, Brantford ON, Canada, had conducted the session. He shared his knowledge on “Robotics and Industrial Automation” topic.



Dissemination of Vision, Mission, PSOs, PEOs of department

An online event for Dissemination of Vision, Mission, PSOs, PEOs of department and Vision & Mission of institute, was organized at IC Department. Prof. Ketan K. Acharya had conducted the session. Many important points were discussed among stakeholders and the session was very fruitful. More than 150 participants were present in the meeting.



Teacher's Day Celebration

Teachers' day was celebrated by the NSS unit of the Institute at Instrumentation & Control Engineering Department on 6th September 2021. Principal madam, Dr. Sweta P. Dave was the chief guest of the program and Prof. N.D. Patel from NSS unit along with other faculties also joined as guests. Ritesh Patle, 5th semester student of IC, shared his views by a presentation on Dr. Sarvepalli Radhakrishnan and elaborated the importance of celebrating teacher's day. Some of the students had beautifully written poems related to importance of teachers in life and presented the same in front of everyone. The program came to an end with a dance performance prepared by 3rd semester students of IC Department.





Electronics & Communication

Engineer's Day Celebration

EC Department, Government Engineering College, Sector-28, Gandhinagar has celebrated Engineer's Day on 15th September, 2021. Event started with prayer. Then principal madam gave speech on this occasion. Dr.K.G.Maradia, head of the department gave inspiration speech about Engineer's Day. All participations are benefited by very informative and technical inputs by industrial expert Mr. Kapil Joshi, Head, Training & System Design, Inventrik Enterprise, Palanpur, Gujarat on Topic "Solar Power Plant Design". Around 90 participates took part of this event.





Teacher's Day Celebration

Students of E&C Department have celebrated the Teacher's Day on the occasion of birth anniversary of a great teacher Dr Sarvapalli Radhakrishnan by delivering the lectures to their colleagues under the guidance of faculty members on 5th September, 2021 at E&C Department.



Orientation of First Year Students

An Orientation Program have been arranged to welcome the First-Year students of Electronics & Communication Engineering students on 28th September, 2021 at E&C Department.

Prof. (Dr.) K.G.Maradia, Professor & Head of the Department had given the welcome address to the First-year students followed by sharing the Vision, Mission PEOs & PSOs of the department.





Expert Talk

E&C Department had organized an expert session for the First-year students on the topic “Introduction to EC Engineering: An overview of Electronic Sector” delivered by Prof.(Dr.) Kiran Parmar, Professor & Head, AIIE, Ahmedabad dated on 6th October, 2021.





Webinar on “NBA Awareness”

E&C Department have organized the webinar on “NBA Awareness” towards larger benefit for the students of E&C Dept. as on 7th October,2021.



GTU Robotics Club Awareness Program @GECGn

EC Department, GEC Gandhinagar in association with GTU Robotics Club (GRC) organized a short introductory session on 6th September, 2021 at GEC Gandhinagar

campus to increase the awareness of students regarding Team Formation 2022 of GTU Robotics Club. The purpose of this event was to introduce students to the competitions like ABU Robocon, e-yantra and Mitsubishi Electric Cup. Dr. K. G. Maradia (HoD,EC Dept) has continuously given guidance and support to students for these programs.

Total 24 student participants and 7 faculty members attended the program. The students were given a brief introduction about mission, vision, the steps required to be a part of the team and a glimpse of our work which included several photos and videos which portrayed the process students go through. The students were also provided, in hand, the components we've used in our robots like 3D Printed Parts, PCBs and Controllers. The event ended with a display of photos and videos which showed the journey from simple line follower robots to the robots which will be representing India at ABU Robocon 2021.



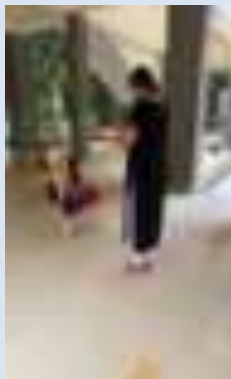
Cleanliness Drive

EC Department, GEC, sector 28 Gandhinagar has run cleanliness drive on 11th August, 2021 under swachhatapakhwada from 1st August 2021 to 14th August 2021. Event started with motivational speech by PROF.(DR.) KISHOR G MARADIA, Head of the Department, about cleanliness. He inspired students, faculties and staff members for cleanliness. Faculties and students of the department have started program by cleaning the classroom as well as Laboratories. Many NSS students and faculties also took actively participation in the event and gave contribution in cleanliness of the department.



“MAA Saraswati Vandana” Program

During the festive season of NAVRATRI, E&C Dept. has initiated the “MAA Saraswati Vandana” Program towards praying for the betterment of the humankind during the pandemic situation and enlighten the society by enlarge.





Alumni Meet- 2021

The Department of ELECTRONICS & COMMUNICATION ENGINEERING had organized an Online Alumni Meet- 2021" for all batches on 11th October 2021 through Google meet platform. In total, more than 90 nos. stakeholders have participated in these 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	"E-Mobility and career Opportunities in Industry"	Ms. Brinda Pathak Sr. Software Developer- Embedded Linux at EVBOX B.V, Netherlands (Europe)	11/10/2021 - Online



Workshop on “Utilization of Design Lab and PoC Sustainability for Startups and Entrepreneurship” – August 2021

EC Dept. has organized a workshop on “Utilization of Design Lab and PoC Sustainability for Startups and Entrepreneurship” on Date: 6th August, 2021, Time: 11:30 a.m. to 01:30 p.m. via Online – Google Meet





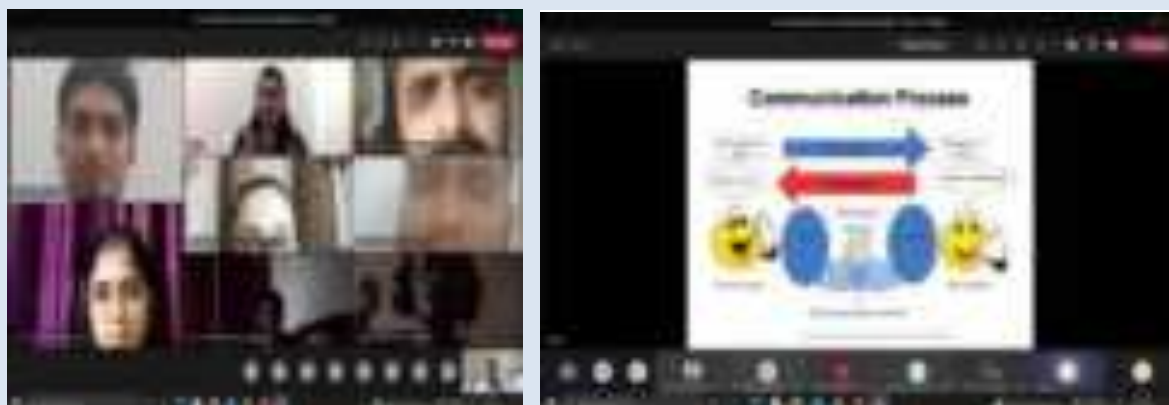


Finishing School Program – 2021

Electronics & Communication Engineering Department, Govt. Engg. College, Gandhinagar 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, 34 Students of Final Year E&C students have been benefited by this Finishing School Programme (FSP) during the following schedule: Duration : 26th July, 2021 to 5th August, 2021 Resource Person: Mr. Maulik Shah, Empanelled KCG Trainer





Pedagogy Sessions for NBA- Awareness and Implementation strategies in E&C Department

Faculty members of EC Dept. has presented the Pedagogy Sessions on respective NBA Criterion wise Status as well NBA Awareness & implementation strategies in the E&C Department under the mentorship of Prof.(Dr.)K.G.Maradia – HOD, E&C Dept.

Sr. No.	Name of Faculty	NBA Criterion	Duration
1.	Prof. N. M. Bankar (AP-EC) Prof. D. T. Ratnakar(AP-EC)	Criterion-1	23/7/2021
2.	Prof. T. B. Sheth (Asso. Prof.-EC) Prof. J. K. Bhavsar(AP-EC)	Criterion-2	30/07/2021
3.	Prof. A. A. Vithalani(AP-EC) Prof. N. K. Prajapati(AP-EC)	Criterion-3	06/08/2021



Metallurgy

Engineers' Day 2021

To enhance the various Skills set like. Project management, communication , lifelong learning, presentation skill, etc; The Metallurgy Department, Government Engineering College, Sector 28, Gandhinagar and Student Society of Metallurgy Engineering, Gandhinagar had jointly organized the "State level poster presentation competition" on occasion of Engineers' Day 2021, on 15th September, 2021 in association with Metallurgical and Materials Engineering Department, Indus University, Ahmedabad, Metallurgical and Materials Engineering Department, The Maharaja Sayaji Rao University of Baroda, Vadodara , Vigyan Gurjari, sponsored by IIM Baroda Chapter.

Total 52 entries were registered for the event out of which 41 had presented the posters. The program inaugurated at 10:30 A.M. by Prof. H. H. Thakar with welcome address to the Participants, Guests, and jury members. Dr I. B. Dave, H.O.D, Metallurgy Department, had introduced about the Department and the program. Dr S. D. Kahar, Chairman, IIM Baroda Chapter, had highlighted about the importance of Engineers 'Day Celebration. Prof. Chaitanya G. Joshi, President, Vigyan Gurjari, Gujarat Prant, had encourage the participants by highlighting "Swatantrata ka Amrit mahotsav" celebration. Dr. D. G. Sharma, Assistant Professor, GEC, Gandhinagar had given the Vote of Thanks to the event. Dr. D. G. Sharma, Prof. B. R. Rana and Prof. H. H. Thakar had coordinated the entire event. The event was Very interesting, informative and fruitful in terms of achieving the targeted objectives.



SSMEG Structuring

Alumni association has always been an utmost part of the institution. In many ways it can help the department connect with the current and graduated engineers to bridge recent technological advancements. On 4th September, 2021 at Metallurgy Dept. Government Engineering College Gandhinagar, Student's Society of Metallurgy Engineering, Gandhinagar (SSMEG) association has been formally restructured and post were distributed to the new office bearers in a meeting organised by alumni coordinator prof H. H. Thakar. Meeting of SSMEG trustees held on 4/9/2021 for distribution of various responsibilities. It was finalized to work for betterment of metallurgy engineering fraternity by organizing various technical activities by alumni of Metallurgy department. SSMEG is feeling proud to felicitate Dr. Arunsinh Zala (Batch 2008-12) for completing his Ph.D and joining Institute for Plasma Research for his Post Doctoral research.



Expert Session

An expert session was delivered by Dr. P K Nanavati regarding Sensitization for SSIP projects on 04/10/2021. This activity was organised by Dr. D G Sharma and Prof. D V Mahant. Students of Metallurgy department were encouraged to participate for SSIP projects.



Alumni Meet

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 October, 2021 on the MS Teams Platform 3:15 pm onwards. The meeting started at 3:15 p.m. with welcome introduction by Metallurgy Department alumni coordinator Prof. H H Thakar. Dr. I B Dave encouraged participants and enlightened the importance of alumni to the department with remarkable words. An expert sessions by Alumni of the department was then conducted by Mr. Tejas Chauhan on "Study and Scope in Germany". 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 At the end, Prof. H H Thakar ,sincerely expressed vote of thanks to honorable Principal Madam , Dr. I B Dave sir Head of Metallurgy Department for their guidance and support to make this event a grand success and thanks to Dr. M S Dani for background support, all Faculties, students ,Staff Members of metallurgy Engineering department and Alumni for attending Alumni Meet.



SSMEG General Meeting

Student Society of Metallurgy Engineering Gandhinagar (SSMEG) general meeting was organized by Prof. H H Thakar on 18/12/2021 at GEC, Gandhinagar under the guidance of Dr. I B Dave, Head Met dept & Dr. G H padhyay (Ex- Head Met dept GEC Gandhinagar) to felicitate our Alumni Mr. Dhruv Patel , for their innovative research & start up , Mr. Ravi Tavethiya & Mr. Bhargav Khunt for their successful entrepreneurship (2 consecutive firms). Metallurgy Department is feeling proud for their success in career. Healthy discussions was held to promote Metallurgy discipline interest among freshly admitted students. Extended Career guidance & support from alumni was being received. Planning was done for conduction of webinar series in 2nd week of February 2022.



Orientation of First Year Students

An orientation session was delivered by Dr. D G Sharma and Prof. D V Mahant on 28th September, 2021 for 1st year students regarding Metallurgy department and various academic activities at GEC Gandhinagar under GTU.



Virtual Gurupoornima celebration

Virtual Gurupoornima celebration was organised by Metallurgy Department, GEC Gandhinagar via <https://meet.google.com/gne-pshm-tqk> on 24th July, 2021 from 10:00 am to 11:00 am under the guidance of Dr. S P Dave, Principal GEC Gandhinagar and Dr. I B Dave, HOD Metallurgy Dept. Semester 5 student Madhu Kumari has successfully hosted the event. Celebration was started with prayer by Sem 5 student Priyanka Jani followed by Welcome address by Dr. M S Dani and introductory speech of HOD Metallurgy Dept. Dr. I B Dave about various activities at the department. Participants were blessed by words of Dr. G H Upadhyay (Ex HOD Metallurgy Dept. GEC Gandhinagar).



Sem 5 student Kevin Petel gave speech on importance of Guru and celebration of Gurupoornima. Mr. Viraj Vyas (Alumni) introduces Alumni Association (SSMEG) reforms and various activities under its banner. Celebration was continued by introduction of various alumni working on good positions at national / international level in metallurgy field followed by good interaction with current students of Metallurgy Department. Session was concluded with vote of thanks by Prof. H H Thakar. This event was coordinated by Dr. M S Dani and Prof. H H Thakar. More than 140 alumni, current students and faculty members have attended the program.

Mr. Asif Mansuri, Mr. Viraj Vyas, Mr. Hardik Patel, Mr. Ashish Patel and Mr. Milan Maradia and many other alumni have given their feedback for nurturing teaching learning experience to make students of metallurgy department industry ready. As an outcome of the activity it was decided to plan a meeting of all post bearers of SSMEG association for planning of a webinar/seminar series related to Current industry

practices like Artificial intelligence, CP, CPK, PP and PPK, Lean Six Sigma, Pokayoke and its importance in metallurgy in January 2022.

Expert Lecture Series

Mr. Yakshil Chokshi delivered an expert talk on "Introduction to Ellingham diagram" on 13th July, 2021. Expert talk was coordinated by Prof. M S Dani under SSMEG.

Dr. Vishal Patel delivered an expert talk on "Contributor Personality Development Program" on 17th July, 2021. Expert talk was coordinated by Prof. H H Jadav and Prof. S I Patel.

Mr Manish Mehta delivered an expert talk on "Welding Metallurgy of Austenitic SS" on 22nd July, 2021 under SSMEG. Expert talk was coordinated by Prof. H H Thakar/ Dr. P K Nanavati.

Dr. G D Acharya delivered an expert talk on "Market expectations from fresh graduate engineers" on 22nd July, 2021 under SSMEG. Expert talk was coordinated by Dr M S Dani / Prof D D Mevada.

Dr. Hitesh Panchal delivered an expert talk on "How to write Research Article " on 29nd July, 2021 under SSMEG. Expert talk was coordinated by Prof D D Mevada / Dr M S Dani.

Dr. S D Kahar delivered an expert talk on "Working of Potentiostate" on 29nd July, 2021 under SSMEG & IIM Baroda Chapter. Expert talk was coordinated by Dr. D G Sharma.

Dr Mrunal Chaudhari delivered an expert talk on "Optical and Electron Microscopy" on 2nd August,2021 under SSMEG & IIM Baroda Chapter. Expert talk was coordinated by Dr. D G Sharma/ Prof B R Rana.

Dr. G H Upadhyay delivered an expert talk on "Nano materials and its applications" on 5th August,2021 under SSMEG. Expert talk was coordinated by Dr. P K Nanavati/ Prof. B R Rana.

Mr Urvesh Vala delivered an expert talk on "Corrosion Damage Mechanism and it's Prevention for Oil and Gas Refinery Application" on 5th August,2021 under SSMEG & IIM Baroda Chapter. Expert talk was coordinated by Dr. D G Sharma.

Dr Sujoy Chaudhari delivered an expert talk on "Effect of different process parameters on the productivity and quality of pig iron" on 6th August,2021 under SSMEG. Expert talk was coordinated by Dr. P K Nanavati/ Prof. B R Rana/ Prof. S I Patel

Mr. Siddhesh Jambekar delivered an expert talk on “Metallurgical practice in Failure Analysis (Through Case Studies)” on 7th August,2021 under SSMEG. Expert talk was coordinated by Dr. P.K.Nanavati/ Prof. H H Thakar.

Mr. Vishal Kailadelivered an expert talk on “Casting process” on 6th October, 2021 under SSMEG. Expert talk was coordinated by Dr. D G Sharma.





National Webinar Series

One Week National Webinar Series "Processing and Characterization of Materials" (PCM 2021), organized at Metallurgy Department, Government Engineering College, Gandhinagar in collaboration with IIM (Indian Institute of Metals), Baroda chapter during 20-24 September 2021 as a part of "Aazadi ka Amrut Mahotsav", was coordinated by Dr. Daulat Sharma and Prof. Devang Mahant. The National Webinar Series was inaugurated by Dr. Sweta. P. Dave, Principal, Government Engineering College, Gandhinagar; Dr. I. B. Dave, Head of the Metallurgy Department; Dr. S. D. Kahar, Chairman, Indian Institute of Metals, Baroda Chapter and Dr. Nirav Jamnapara, Scientist, IPR, Gandhinagar.

90 participants from various NITs, Engineering Colleges & Universities and Industries of all over India have participated. We are thankful to Mr. Krutik Shah, Proprietor, SVNDT Services, Vadodara, Dr. Arun Sinh Zala, Postdoc Fellow, Institute for Plasma Research, Gandhinagar, Ms. Riddhi Shukla, Ph.D. Scholar, Teltech, Estonia, Mr. Shubhneet Tyagi, CEO, Australian Institute of Technology, Australia and Dr. Nirav Jamnapara, Scientist, Institute for Plasma Research, Gandhinagar for sharing their knowledge and expertise in the area of Processing and Characterization of Materials.

Web of 10:44 AM on 09/27/2021 is presenting

WELCOME TO INAUGURATION CEREMONY

One Week National Webinar on Processing and Characterization of Materials "NCM 2021"

27th - 27th September, 2021

Topic	Coordinator	Organizing Committee	Sponsorship
Dr. Prasad K. Srinivasan IIT Madras 2021-22	Dr. J. S. Rao National Institute of Technology Warangal, India 2021-22	Dr. Jayaraman IIT Madras 2021-22	Dr. G. Srinivasan IIT Madras 2021-22
Dr. S. S. Rao IIT Madras 2021-22	Dr. S. S. Rao IIT Madras 2021-22	Dr. S. S. Rao IIT Madras 2021-22	Dr. S. S. Rao IIT Madras 2021-22

6:40 PM | NCM 2021 - Inauguration Ceremony & Day 1



INSTITUTIONAL ACTIVITIES

“MANN KI BAAT” @GECGN



SSIP ACTIVITIES

“SSIP CELL GEC Gandhinagar organized various programmes to sensitize and inspire students for Startups and innovations. During this period various online events were conducted”

1. Startup Era: Transformation in Entrepreneurial Mindset

A webinar was conducted on MS TEAM platform on 17th July, 2021 from 11: 00 am to 1: 00 pm. Total 110 participants have participated.





2. Utilization of Design Lab and POC sustainability for Startups and Entrepreneurship

A webinar was conducted on MS TEAM platform on 6th August, 2021. Total 150 participants have participated.



3. Hurdles in Start up

A webinar was conducted on MS TEAM platform on 7th August, 2021. Total 261 participants have participated.



4. How to choose and Sustain Start ups

A webinar was conducted on MS TEAM platform on 4th September, 2021, during 11:30 TO 1:00 PM. Expertise delivered by Mr. Anand Sharma Dy Manager - Commercialization IIT Gandhinagar.



5. Creativity Innovation and Entrepreneurship

A webinar as a part of AZADI KA AMRUT MAHOTSAV, is organized on 20th September, 2021. An expert session is delivered by EDII EXPER DR.LALIT SHARMA. Total: 114 participants.

As a Part of Celebration of "AzaadiKaAmrutMahotstav".Online Webinar for all students Innovators and faculty members.organized by SSIP Cell, GEC Gandhinagar on Google Meet Platform on Creativity, Innovation & Entrepreneurship by DrLalit Sharma, Faculty, Entrepreneurship Institute of India, Gandhinagar. The Program was inaugurated by a

prayer followed by Welcome address given by Dr. K.G.Maradia, SSIP Mentor, GEC Gandhinagar.

Dr. Sweta Dave, Principal, GEC, Gandhinagar addresses on the various activities on SSIP Cell at GEC Gandhinagar and need the importance of an Innovator for successful entrepreneurship in this time, She also motivated the young motivated the young innovators and faculty members to take benefit of this program.



Dr. KetanAacharya, Coordinator, SSIP Cell GEC, Gandhinagar, briefed about the program as a part of celebration of AzadiKaAmrutMahostav. Dr. P.K.Nanavati, SSIP Cell member, introduced the speaker Dr. Lali Sharma.

Dr .Lalit Sharma, Faculty, EDII Gandhinagar , explained in detail about the distinction of Creator, Innovator and Entpreneurship. He sighted ample of examples of successful start ups with emphasizing on essential 3 step process of Creation, Innovation & Entrepreneurship, significance and relationship among them.

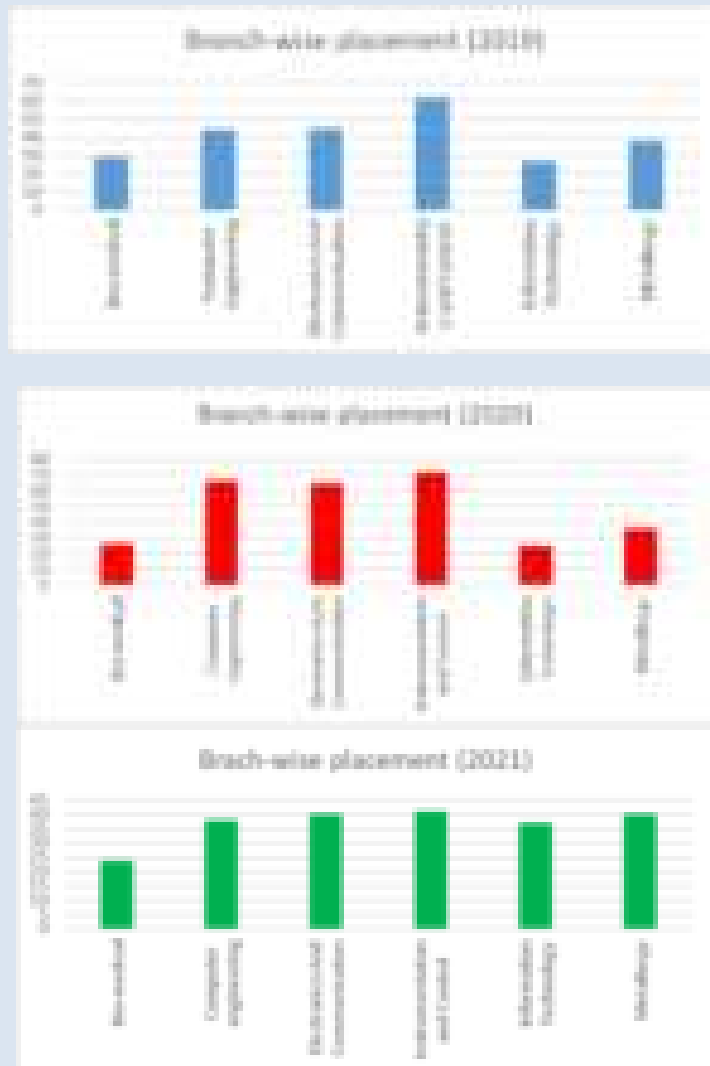
Total 114 Nos of Students/ Innovators of GEC Gandhinagar including the faculty members of SSIP Cell participated in the event. Many students have interacted with the experts in the topics under discussion.



PLACEMENT ACTIVITIES

Training & Placement cell- GEC, Gandhinagar continuously efforts for better placement of students through different activities:

- Online Campus Program
- Offline Campus program
- Finishing School Program
- Placement Fair (Organized by Government of Gujarat)



NSS ACTIVITIES

“ The best way to find yourself is to lose yourself in the service of others ” – Mahatma Gandhi

NSS unit- GEC, Gandhinagar has organized different activities under coordination of Prof.(Dr.) Niravkumar Dashrathbhai Patel, Assistant Professor, General Department.

Swachchata Pakhwada (01-15, August-2021)



Independence Day (15 August 021)



Tree-plantation(01-15, August-2021)





શ્રી ઝવેરચંદ મેઘાણી ની કાવ્યપઠનની (3 September 2021)



Teachers Day (06 September 2021)



National Unity Day (31 October 2021)

Door to Door Medicine collection drive run under this program. The collected medicines are distributed to needy one.



Second Dose Vaccine drive for staff members



Thalassemia awareness webinar (19 November 2021)





NVSP Portal awareness webinar. (23 November 2021)



webinar on “Legal Awareness for Students”

Dr Daksha M Diwan & Dr. Nirav D. Patel have jointly organized “ Azadi ka Amrut Mahotsav-2021 Freedom FEST”, on 13th August, 2021. Different activities are performed by students and faculty under WDC and NSS.

Dr Daksha M Diwan organized a live webinar on “Legal Awareness for Students” under General Department (GEC-GN) during Induction Program of First year on 11th October, 2021 for our students and faculties. Online platform during Time: 11:00 to 12:30. Ms. Nilam Goswami, Deputy Superintendent of, Devbhoomi Dwarka was a speaker for this session.



CREATIVE CORNER

Students



Artwork by Aakansha Mishra, 3rd semester Biomedical

Faculties

કેમ કે, આજે મારું મિડિયા ખોરવાઈ ગયું છે...

હવે તે સ્ક્રીનને જ, આંધુ છાંયે ખોરવાઈ ગયું છે.

ખોંભા જામે કે, આંધુ સર્વિસ પુરાઈ ગયું છે.

કેમ કે, આજે મારું મિડિયા ખોરવાઈ ગયું છે.

હવે તે ડેવિડોનિય વાડો, જામે સ્ક્રીનને જ ખોરવાઈ ગયું છે.

ખોંભા જામે કે, આંધુ હવેની વાતવાંની જ સંસ્કાર ગયું છે.

કેમ કે, આજે મારું મિડિયા ખોરવાઈ ગયું છે.

હવે તે ડેવિડોનિય આંધુને ને આંધુની-બેની, જામે સુપરોઈ સ્ક્રીન ગયું છે.

ખોંભા જામે કે, આંધુ આંધુની-બેની ડેવિડોનિય જ આંધુઈ ગયું છે.

કેમ કે, આજે મારું મિડિયા ખોરવાઈ ગયું છે.

હવે તે ડેવિડોનિય આંધુને સ્ક્રીન, જામે સ્ક્રીનને જ ખોરવાઈ ગયું છે.

ખોંભા જામે કે, આંધુની-બેની આંધુની-બેની આંધુને સ્ક્રીન ખોરવાઈ ગયું છે.

કેમ કે, આજે મારું મિડિયા ખોરવાઈ ગયું છે.

હવે તે 'ગુડ' નું ડેવિડોનિય હોઈ રહેલું ડેવિડોનિય જામે છે.

ખોંભા જામે કે, આજે ગુડ હવે જ ડેવિડોનિય ગયું છે.

કેમ કે, આજે મારું મિડિયા ખોરવાઈ ગયું છે.

હવે આંધુની-બેની ને આંધુની-બેની સ્ક્રીન નો સ્ક્રીનને જામે ડેવિડોનિય. આંધુ આંધુની-બેની.

તા. ૨૦/૦૬/૨૦૨૧
ડૉ. નિવેશ બેન. બેન.

જોજો હો.

જોજો હો, ખોટી-ખોટી માગણી ન કરતાં,
અહીં મેઘ ને વ આડંબાર હોવ છે.

જોજો હો, મોટી-મોટી વાણી ન ખોળતાં,
અહીં હવા ને વ અસ્મિત્ત હોવ છે.

જોજો હો, વોટો-વોટી વાડી ન સહાઈ,
અહીં ડેવિડોનિય ને વ કાન હોવ છે.

જોજો હો, ડેવિડો-ડેવિડો સાતો ન ભાતતાં,
અહીં વસ્તુ ને જીવન હોવ છે.

અને અંતે,

જોજો હો, ડેવિડો-ડેવિડો ઉપાસતો ન સ્ક્રીન,
અહીં ડેવિડોની ને ડેવિડોનો હોવ છે.

જોજો હો... મોટા નાં મિજાજથી પ્રેરિત,
પ્રો. નિવેશ બેન. બેન.
તા. ૨૦/૦૬/૨૦૨૧