

ELECTRONICS & COMMUNICATION DEPARTMENT

VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE
CHANDKHEDA, AHMEDABAD - 382424



MESSAGE FROM HEAD OF DEPARTMENT

I would like to share a few words in these changing times.

There is a lot of improvement in the teaching environment in the pandemic situation. The students have started attending the classes in the department as per prevailing norms of the government. The department has started to become vibrant.

I hope that you are very eager to participate in academic activities as well as co-curricular activities. But it is always a good practice to follow the safety precautions in COVID pandemic situations.

The industries have started to gain momentum. Even during these situations, industries have participated in the campus placement of the students. Now it is the time to sharpen the skills and to secure a job in the industry amidst the competition.

The students wishing to build higher studies is also a wise option considering the futuristic demands of the industry. Sharpening the skill set the emerging domains like IoT, Machine learning, Cyber physical systems, RF Engineering, Wireless communication are likely to pay rich dividends in the future. But at the same time it is advisable to strengthen the fundamentals.

If you have an Innovative idea, please cultivate into a startup project. Starting the own enterprise is in the blood of a Gujarati.

I am sure that the time we have lost in the pandemic situations will be covered up in the near future.

It is time to plan your career appropriately. Enjoy every moment in the department to fulfill your career dreams!

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FACULTY ACHIEVEMENTS



Dr. Alpesh Dafda of EC Department has been awarded with the Social Impact Award-2020 on 15/09/2020 by Sardar Patel Education Campus for contribution in social services.



Prof. Navin Ganeshan of EC Department has been awarded with the SSIP Prashansa Award - 2020 (Under the best faculty mentor category) on 17/12/2020 at iHub KCG campus, Ahemdabad

STUDENT ACHIEVEMENTS

On this Independence day, limited number of cadets participated at the GTU campus, NCC cadets adhered to several new rules at the Flag Hoisting Ceremony this year amid the COVID-19 pandemic.

Team ensured the social distancing between Cadets.

SUO Harsh Panchal has been commanding the Squad of NCC since last 3 years. This time he is selected for NCC Parade Commander at GTU campus.

Team Members:**Yash Jain (Sem - 6)**

Nakshata Patel (Sem - 6)

- 1 Computational Agriculture is a Competition held By IIT Bombay, Computational Agriculture is slated to revolutionize future farming – Ideate on this moonshot to use technology to increase Yields, reduce costs & improve the life of farmers. Abstract selected in Top 40 from submissions all across india.
- 2 iHub - Mind to Market Challenge(M2M) ITC Challenge initiative aims to develop a responsive eco-system to connect the youth of Gujarat. Pitch Deck Selected For Final Review.

PLACEMENTS OF 2021 BATCH

Sr No	Student Name	Company Name
1	AGRAWAL SAURAV MITTHANLAL	VVDN Technologies Pvt .Ltd
2	GODHANI DHRUMILKUMAR VIPULBHAI	VVDN Technologies Pvt .Ltd
3	PRAJAPATI HIMANI ASHOKBHAI	VVDN Technologies Pvt .Ltd
4	GANDHI ZEAL NEHALKUMAR	einfochip Ltd
5	PATEL PRATYUSH DARSHIT	einfochip Ltd
6	DANTANI PIYUSH SURESHBHAI	Tatvasoft
7	KOTADIA PREET JIGNESH	Tatvasoft
8	MAKWANA DISHA JAYENDRABHAI	Tatvasoft
9	PANDYA MALHAR VIPULBHAI	Tatvasoft
10	KHANDLA RONAK DILIPBHAI	Meditab Software (India) Pvt.Ltd
11	MULCHANDANI DIPTI MUKESHKUMAR	Meditab Software (India) Pvt.Ltd
12	MODH NISARG ALPESH	Matrix Comsem Pvt.Ltd
13	PATEL HARSHIL BHUPESHBHAI	Matrix Comsem Pvt.Ltd
14	RAVINDER SINGH	TCS
15	SRIVASTAVA TRIYANSH SHIVSHANKAR	TCS
16	JOSHI SHIVAM RAJESHBHAI	Bacancy Technology Pvt.Ltd
17	KOSHTI JWAL HITENDRA	Weboccult Technologies
18	SHAH NIPAM BHARATKUMAR	Pronesis Technologies

PROJECTS UNDER SSIP

Sr No	Project Title	Faculty Mentor	Team Members
1	Face Recognition Based Attendance System	Dr. Arun Nadurbarkar Prof. Navin Ganeshan	Jenil Thakkar, Saiyed Abdulazim, Patel Avi, Yash Prajapati, Ayush Singh, Bharat Ahuja
2	Smart Dresser: an AI based outfit selector	Prof. Chinatan Dave Prof. Amit Agrawal	Shroff Harsh, Jogi Dishank, Rathod Darshan, Makwana Om
3	Rumour Detection From Social Media	Prof K. R. Trivedi Prof. Rahul Patel	Nisarg Trivedi, Meet Velani
4	Shopping trolley with automated billing system	Dr. A.H.Dafda Prof. G. R. Asari	Jhankhana Joshi, Meghal Kadiya, Anupam Mathur, Karan Jayswal, Siddh Pant, Dev Bhatia
5	Advanced Smart Parking System	Prof. Jaynila Prajapati Prof. Jyotika Chauhan	Shah Saransh, Pindoria Kuljeet,Patel Dhruv, Kharti Apurv, Shah Ayushi, Shah Suchi
6	Smart MOP	Prof. Rahul Patel Prof.J P Prajapati Prof. G R Asari	Nisarg Trivedi, Ronak Tandon, Meetkumar Velani, Divyanshu Soni,Dhruv Vats
7	Automated Segregation Bin	Dr. Milind Shah Prof.J K Naik Prof.N P Patel	Pratik Awaik Dhruv Bhavsar Yug Gajjar,Samyak Gandhi
8	Automatic Irrigation Fertilizer Assist Ssystem	Prof. Ghanshyam Sah Prof. K N Patel	Yash Jain, Nakshta Patel, Prachi Sood
9	Waste detection using drone	Prof.Jayesh Diwan	Sarvesh Bagwe, Love Fadia Reetika ,Neha uttwani

DEPARTMENT ACTIVITIES



Department of EC Engineering of VGEC, Chandkheda had arranged an expert session on "Rock your LinkedIn profile" for EC students by Prof. Ghanshyam Shah on 18 July, 2020.

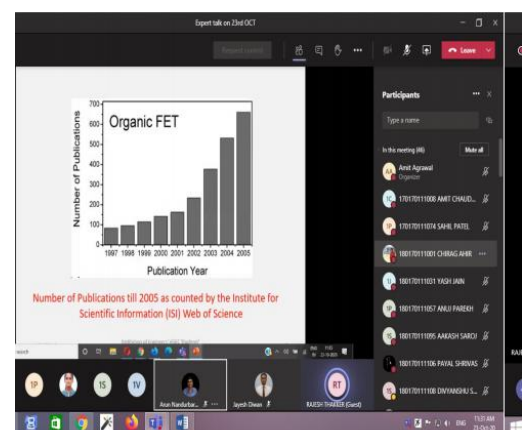
The speaker of the event was Mr. Darshan Shah D - Vivid consultant. Tips on how to realize the full creative potential of a LinkedIn profile, LinkedIn tools that agency professionals are using to increase their productivity and success were discussed during the session.

Department of EC Engineering under SSIP, VGEC organized a Webinar on Technology Vision 2035 for India on 11 September 2020. The webinar focused on emerging technologies of the world and the implementation of these technologies in nation building by 2035. Around 75+ participants showed their enthusiastic participation in the webinar on the Google Meet Platform



Department of EC Engineering of VGEC, Chandkheda had arranged an expert session on "Exploring IOT projects using MATLAB" on 03 October, 2020. Dr. Debanand Singdeo has started session with the challenges in project-Fitsied teaching-learning. He elaborated the today's emerging trends and role of IoT in current technological advancement. He demonstrated the project with help of MATLAB Simulink and Thingspeak.

Department of EC Engineering of VGEC, Chandkheda had arranged an expert session on "Organic Electronics" for EC students by Dr. R. A. Thakker (Former Principal, GEC Rajkot) on 23 October, 2020. Various advantages of the said topic and areas of research were discussed during the session. After attending the webinar students are able to explore the field of Organic Electronics and also able to carry out their IDP/UDP project or dissertation work in the field.



26th September
11:00 - 12:30

WIRELESS COMMUNICATION SYSTEMS DESIGN
Using MATLAB

Speaker:
Manoj Kumar
DesignTech Systems Pvt. Ltd.
Technical Support Engineer (Mathworks)

Patron: Dr. N.N.Bhuptani, Principal
Convener: Dr.A.B.Nandurbarkar, Head of the Department
Coordinator: Prof. K.N.Patel

Department of EC Engineering of VGEC, Chandkheda and DesignTech Systems had organized a webinar on "Wireless Communication Systems Design with MATLAB" on 26 December, 2020. The speaker of the event was Mr. Manoj Kumar Application Engineer at Design Tech systems Ltd. 70+ students had attended the webinar and learned about Design, simulation, analysis, wireless LAN and LTE communications systems using MATLAB and Simulink.

Mr. Bhargav Makodia, CEO and Co-founder of Bits & Board Technologies talked about requirement of passion, skills, a pro-active team and other factors for successful startups in his expert talk on "Startup: Passion, Profession, Persistence (P3)" conducted by EC Dept under SSIP on 29th December 2020 on Google Meet which More than 100 participants witnessed.

Vishwakarma Government Engineering College Chandkheda, Ahmedabad SSIP

EC Dept. under SSIP conducted an Expert Talk on
"Startup : Passion Profession Persistence (P3)"
On the 29th of December, 2020.

Speaker: CEO & Co-Founder of Bits & Board Technologies
Mr. Bhargav Makodia

Total Participants: 100+

Key Deliverables

- Challenges during Startups Journey
- Requirement of passion
- Biggest Myths behind Startups
- Importance of Team in a Startup
- Mentors' role in emerging startups
- Skills and other factors for successful startups

"These 3Ps are core factors for any successful startup."
- Mr. Bhargav Makodia

GTU ROBOCON TEAM

इंटरनेशनल रोबोकॉन स्पर्धा में जीटीयू ने देश का नाम किया रोशन

राधाधर @ पत्रिका. गुजरात टेक्नोलॉजी युनिवर्सिटी (जीटीयू) ने तकनीकी क्षेत्र में देशपर में अपना अहम स्थान बनाया है। हर प्रकार की तकनीकी शिक्षा और उससे संबंधित स्पर्धा में भी जीटीयू ने अपनी जगह बनाई है। हाल ही में एशिया पैसिफिक बॉटवॉरल्ड प्रतियोगिता और फिजी के संयुक्त प्रयासों से इंटरनेशनल रोबोकॉन स्पर्धा का आयोजन हुआ, जिसमें जीटीयू की रोबोकॉन टीम ने



द्वितीय जजेज अवार्ड हासिल कर देश का नाम रोशन किया है। रोबोटिक्स टेक्नोलॉजी का उपयोग

कर रबी रोस खेलने के लिए टास्क दिया गया था। इस स्पर्धा में जापान, ताइवान, इंडोनेशिया, थाईलैण्ड, कंबोडिया और नेपाल समेत 11 देशों की 21 टीमों ने भाग लिया। भारत का प्रतिनिधित्व करने वाली जीटीयू की रोबोकॉन टीम से सलमान 32 कॉलेजों के 33 विद्यार्थियों ने भाग लिया था। के.एन. खेर ने रोबोकॉन टीम मेंटेर्स जीटीयू के प्रो. नवीन सेठ ने कहा कि 21वीं शताब्दी में रोबोटिक्स

रोबोटिक्स क्षेत्र में जीटीयू की टीम का प्रदर्शन... टोकियो में आयोजित 'इंटरनेशनल रोबोकॉन स्पर्धा' में जीटीयू की टीम ने देश का नाम रोशन किया है।



Participated in ABU robocon in a team of 32 members in which team ranked 1st runner up in among 126 teams participated in all over india. So team got the opportunity to represent india in international robotics competition.

Team Members from EC Department :

- Pratima Mohan (Passout)
- Shreya Chaturvedi (Passout)
- Dharmik Prajapati (Passout)
- Pratyush Patel (Sem 8)
- Hetal Meghnathi (Sem 6)
- Vidhi Suthar (Sem 6)

CREATIVE CORNER



Savan Prajapati (Sem 4)

आज कुछ और है अलग ही कल होगा,
भिन्न भिन्न रंगों से जिंदगी का हर पल होगा।

प्रखर ताप से सुख गई यह जो मिट्टी है,
वही बेशक कल बहता निर्मल जल होगा।

ओर बहता न सही बंध होगा, जल शीतल,
पर उस मिट्टी से बने मटके में वो बल होगा।

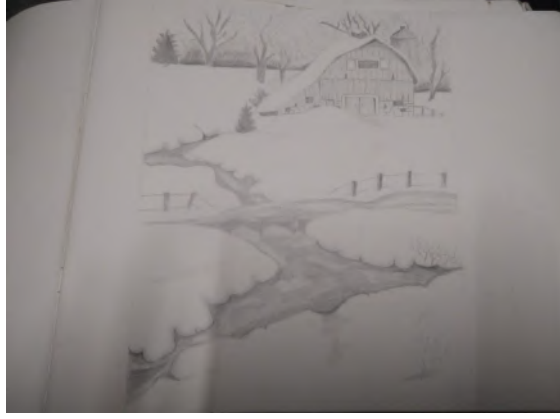
पनप रहा तुम्हारे भीतर जो यह आज,
अवश्य वही तुम्हारा आने वाला कल होगा।

बदलते नजारे ओर अनुभूति विभिन्न रंगों की,
ओर हर प्रश्न शायद कोई तर्जुबे से हल होगा।

आज कुछ और है अलग ही कल होगा,
भिन्न भिन्न रंगों से जिंदगी का हर पल होगा।

~ इंखना जोषी 'ज़ोया'

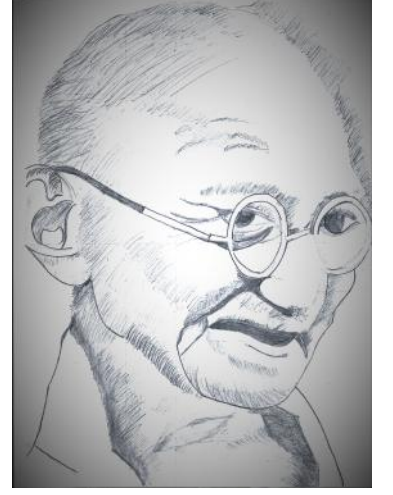
Jhankhana Joshi (Sem 8)



Sidhhi Khalas (Sem 6)



Mitali Maheshwari (Sem 4)



Chirag Ahir (Sem 6)

*કેદ કરી લેવું પડશે કુદરતને યાદોમાં,
તસવીરોમાં*

વિકાસના વેગે દોડે છે આ માનવી,
કોણ જાણે એને કુદરતની કદર જ નથી.

આજ કુદરતથી છે વિકાસ અને માનવી,
અરે કુદરત વિના તો એના પ્રાણ પણ નથી.

કુદરતની સંતાન છે આ માનવી,
પણ એને માતૃપ્રેમ દેખાતો જ નથી.

કુદરતનો સંહાર કરે છે આ માનવી,
કુદરતને પુજતો તો દૂર, પૂછતો પણ નથી.

પોતાના કુકર્મો જોતો નથી આ માનવી,
એને પરિણામ રૂપી કોપ પણ સહન થતો નથી.

અનંત કુદરતનો અંત કરવા નીકળ્યો છે આ
માનવી,
કરી રહ્યો છે ખુદનો અંત - એ સમજતો નથી.

સાચે જ અંધ થયો છે માનવી વિકાસમાં,
હવે કેદ કરી લેવું પડશે કુદરતને યાદોમાં,
તસવીરોમાં.

~ હર્ષ શ્રોફ.

Harsh Shroff (Sem 6)

Editorial Team Members

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