Biannual Edition

Resonance

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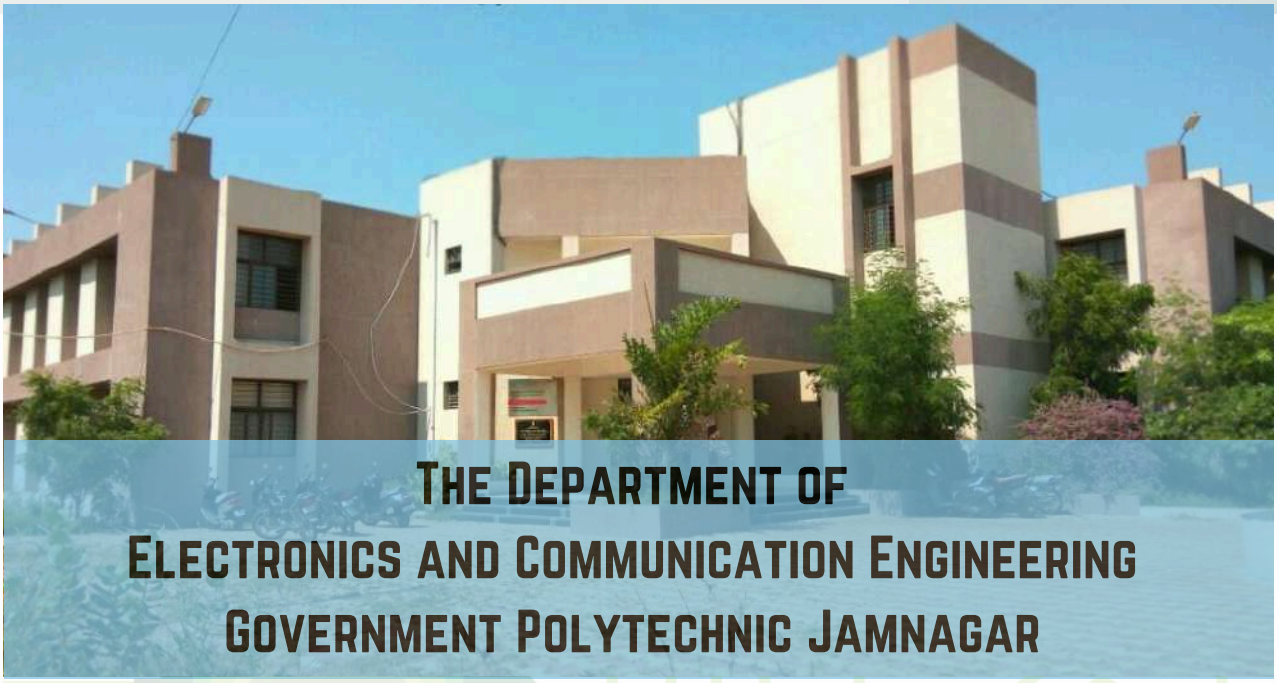

The Department of Electronics and Communication Engineering Government Polytechnic Jamnagar

Resonance

The Official Newsletter of the ECE Department of Government Polytechnic Jamnagar

Resonance captures the pulse of the Department of Electronics and Communication Engineering, showcasing departmental events, latest technologies, institute happenings, and student achievements. It serves as a platform to celebrate innovation and excellence by highlighting student articles, project insights, and contributions from the ECE community. Stay connected, stay informed, and resonate with the future of technology!

Major Highlights of the Issue

Vision
Mission
PEOs
PSOs
of the ECE Department

Robofest 4.0

Expert Talk

Industrial Visit

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About the Department

In June 2007, Diploma Programme namely Electronics & Communication Engineering has been started at Government Polytechnic, Jamnagar. The Department of Electronics and Communication Engineering envisions upliftment of students especially living in rural areas, through an effective teaching learning process and quality teaching, to make them competent globally with sound technical, interpersonal, analytical, managerial skills and professional ethics. The department posses a well equipped Labs which provides practical learning of actual environment of industry. The department has highly qualified faculties to ensure qualitative education. At present, the department has student intake of 30.

Vision

To produce creative, innovative and ethical EC engineers that will serve to societal and industrial needs.

Mission

- **To impart excellent technical education from fundamentals to application level, with ethics, to EC engineering students so that they can provide solution to industrial or social problems.**
- **Provide creative teaching-learning environment to students for achieving excellence in technical education.**
- **To develop state of art laboratories with latest instruments and equipments to develop phycomotor skills in students.**
- **To establish department library with latest books, magazines, ebooks, video tutorials-lectures and other learning resources to promote reading attitude in students.**
- **To make students entrepreneur or employable in industries.**

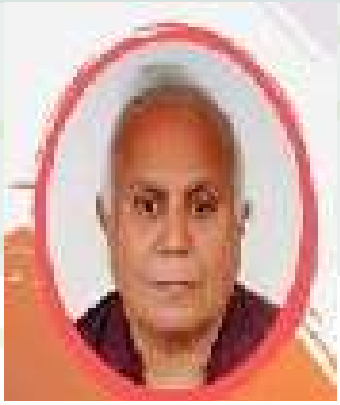
PEO

- **PEO1 : After completion of program, the students will pursue career in installation and commissioning of various electronics instruments/equipment/devices, computer network, internet broadband, fibre optic cable network, CCTV camera etc., operation and maintenance of automated manufacturing plant / process, troubleshooting of electronics circuit, device, equipment or instrument, design and development of circuit and PCB for any product, freelance project development, customize project development and consultancy**
- **PEO2 : The students will be able to effectively communicate and present themselves.**
- **PEO3 : The students will demonstrate high moral values with ethics and express their greater concern for societal problems.**
- **PEO4 : The students will exhibit excellence in their profession and adapt current trends by engaging in lifelong learning.**

PSO

- **PSO1 : To test or troubleshoot any electronics circuit or device, to install or maintain electronic equipment or instruments using proper hardware/software tools and techniques.**
- **PSO2 : Apply fundamentals of electronics and communication engineering to identify the problem and find possible solutions using the latest technology.**

FROM THE PRINCIPAL'S DESK



Dear Students and Faculty Members,
Government Polytechnic, Jamnagar, is moving ahead on many fronts. In this period, the consistent efforts and hard work of all has resulted in overall progress of college. I congratulate and appreciate the efforts of all involved in the process.

-Shri A.M. Patel, Principal, G P Jamnagar

MESSAGE FROM THE HOD

Dear Students, Faculties and Readers,
It is my pleasure to extend warm greetings from the Department of Electronics and Communication Engineering. As we continue our journey of academic excellence and innovation, I take immense pride in the progress our department has made–thanks to the collective efforts of our dedicated faculty, inquisitive students, and supportive stakeholders.
Electronics and Communication Engineering lies at the heart of today's technological revolution. Our curriculum is designed to balance strong theoretical foundations with practical exposure through labs, industry-oriented projects, internships and technical events.

We encourage our students to engage actively in research, participate in national and international competitions. It gives me immense pride in sharing marvellous achievement of our Department, in which our students under the mentorship of Mr. A. M. Bhatt, HOD of the Electronics and Communication Engineering Department, showcased their innovation and technical skills by securing victory in the second round of Robofest 4.0, a prestigious nation-level robotics competition. With their dedication, teamwork, and problem-solving abilities, they successfully cleared challenging tasks in the second stage, earning them a well-deserved spot in the final round of the competition. This achievement stands as a testimony to their consistent efforts and the department's commitment to promoting hands-on learning and technical excellence. Our faculty members are equally committed to staying abreast of the latest technological trends, ensuring our department remains a hub of knowledge, curiosity and development. Let us continue to innovate, inspire and ignite minds for a better tomorrow.
Through a blend of rigorous academics and hands-on projects, we aim to equip our students with the tools to solve real-world problems in areas like robotics.

-Shri A.M. Bhatt, HOD, Electronics and Communication Engineering

AN EXPERT TALK ON "SKILL DEVELOPMENT AND ENTREPRENEURSHIP"

On August 1, 2024, the Electronics and Communication Engineering Department of Government Polytechnic, Jamnagar, organized an expert lecture on "*Skill Development & Entrepreneurship*". The session was led by *Mr. Savan Solanki, the CEO of Craftology Laser Print Pvt. Ltd*. Total 44 students, participated in the expert session.

The expert lecture by Mr. Savan Solanki was an enlightening session that provided students with a comprehensive understanding of skill development and entrepreneurship. His real-world experiences and practical advice inspired many students to think creatively and take initiative in their careers. The Electronics and Communication Department extends its gratitude to Mr. Solanki for sharing his knowledge and experience, and looks forward to more such enriching sessions in the future.

AN EXPERT TALK ON "STARTUP AND INNOVATION"

On August 2, 2024, the Electronics & Communication Engineering Department of Government Polytechnic, Jamnagar, hosted an expert lecture on "*Start-up and Innovation*." The session was conducted by *Mr. Savan Solanki*, the CEO of *Craftology Laser Print Pvt. Ltd.*, a prominent figure in the laser printing industry. The lecture attracted an enthusiastic participation of 40 students, eager to learn about the dynamic world of startups and innovation.

The expert lecture on *"Start-up and Innovation"* by *Mr. Savan Solanki* was an inspiring and informative session that offered students a comprehensive understanding of the entrepreneurial landscape. Mr. Solanki's insights and real-life experiences provided practical knowledge and motivated students to consider entrepreneurship as a viable career path. The Electronics and Communication Department thanks Mr. Solanki for his valuable contributions and looks forward to hosting more such enriching events in the future.

STUDENT "ORIENTATION"

Orientation Programme for first year students was organized on 06/08/2024 at Room No. 205-A. The legacy of EC department continues as usual as per last year as senior students welcome all new comers in the department. So, today all the senior students of EC branch along with faculty members of EC department have organized inauguration ceremony for the students those who have taken new admission in EC branch of Government Polytechnic, Jamnagar in the year 2024.

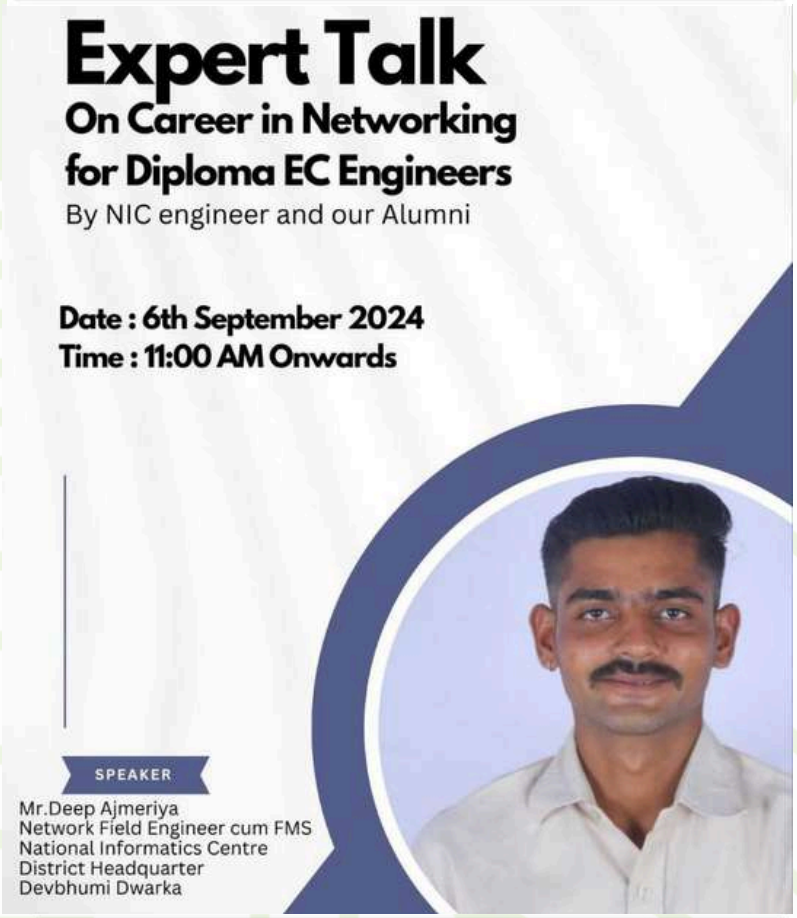
The classroom 205A was well decorated in advance with colourful LED lightning by all senior students to create energetic environment. The program began with the worship of Goddess Saraswati, lamp lighting and Saraswati Vandana. The senior girl students have prepared nice decorated "Diya Thali" that suits the occasion perfectly.

Next, each faculty member of the EC department introduced themselves, followed by the new students introducing themselves. Finally, senior students also introduced themselves to the new students.

In the concluding part of the program, the senior students took the new students on a tour of the department, followed by a complete campus tour, where they were introduced to various labs, classrooms, general administrative sections, library, student section, hostel, and other areas of the campus.

An expert session titled ***"Career in Networking for Diploma EC Engineers"*** was organized on 6th September 2024. The session was conducted by ***Mr. Deep Ajmeriya***, an alumnus of Government Polytechnic Jamnagar and currently a Network Field Engineer cum FMS at the National Informatics Centre (NIC), Devbhumi Dwarka. The objective of this session was to guide students in understanding the diverse career opportunities in the field of networking and to provide insights into the skills required for success in this domain.

The session began with an introduction by ***Mr. Deep Ajmeriya,*** who shared his career journey from being a student at Government Polytechnic Jamnagar to becoming a Network Field Engineer at NIC. ***Mr. Ajmeriya*** discussed essential skills for networking professionals, including routing, switching, cybersecurity, and cloud networking. He also highlighted popular certifications such as Cisco Certified Network Associate (CCNA), Certified Information Systems Security Professional (CISSP), and others that enhance employability.



Sharing examples from his work experience, Mr. Ajmeriya explained the types of projects he has handled, particularly in the government sector. He detailed the various networking protocols and technologies he worked with, including LAN, WAN, VPN, and wireless technologies.

The expert session on ***"Career in Networking for Diploma EC Engineers"*** conducted by ***Mr. Deep Ajmeriya*** was a successful event that broadened students' understanding of the networking field. His personal experiences and professional advice inspired the participants to pursue networking certifications and gain hands-on experience to excel in their future careers.

STUDENT'S CORNER

AN ARTICLE ON "DIFFERENT TYPES OF MILITARY ROBOTS"

In the modern era, robotics has revolutionized several sectors — and the military is no exception. Around the world, armed forces are adopting advanced robotic systems to enhance operational efficiency, reduce risks to soldiers, and perform missions that would otherwise be too dangerous for humans. Military robots come in various forms, each designed for specialized roles on the battlefield.

1. Unmanned Ground Vehicles (UGVs)

UGVs operate on land and are used for reconnaissance, bomb disposal, logistics support, and even armed combat. Equipped with cameras, sensors, and sometimes weapons, these robots can navigate hazardous environments without risking human lives. Examples include bomb-disposal robots like PackBot and autonomous supply carriers.

2. Unmanned Aerial Vehicles (UAVs)

Popularly known as drones, UAVs are extensively used for surveillance, target acquisition, and precision strikes. Their ability to operate at high altitudes and access hard-to-reach locations makes them vital in modern warfare. Models like MQ-9 Reaper and Bayraktar TB2 are notable examples.

3. Unmanned Underwater Vehicles (UUVs)

These submersible robots are used for naval reconnaissance, mine detection, and underwater mapping. Their stealth capabilities make them crucial for maritime defense and anti-submarine warfare. Examples include REMUS and SeaFox.

4. Robotic Exoskeletons

Designed to enhance a soldier's physical capabilities, robotic exoskeletons provide extra strength, endurance, and protection. These wearable machines help soldiers carry heavy loads and reduce fatigue during long missions.

5. Autonomous Combat Robots

These are AI-powered machines capable of identifying and engaging targets with minimal human intervention. Although still under strict ethical and legal debate, prototypes are being tested for rapid-response scenarios.

Military robots are transforming the defense landscape, offering speed, precision, and safety in high-risk environments. As technology continues to evolve, the integration of artificial intelligence, advanced sensors, and autonomous navigation will make these robots even more capable — and potentially redefine the future of warfare.

-Mr. Aryan Khona, Enrollment No. 226250311016, 6th Semester, EC Department

BROADCASTING "SEMICON INDIA 2024 - SHAPING THE SEMICONDUCTOR FUTURE"

The Electronics and Communication Engineering Department organized a live screening of the inauguration ceremony broadcast, enabling students and faculty to witness PM Modi's keynote address and event opening. The conference showcased India's semiconductor strategy and policy which envisions making India a global hub for semiconductors. Highlighting the connection between the semiconductor industry and a diode where energy traverses only in one direction, the Prime Minister said that India's semiconductor industry is equipped with special diodes where energy flows in both directions.

Followed by an interactive post-broadcast session: discussions on insights from the event, implications for semiconductor education, and India's role in the global supply chain—similar to screenings at other academic institutions. The students and faculties gained firsthand understanding of semiconductor policies, government incentives, and industry trends.

The live broadcast and engagement in SEMICON India 2024 was a valuable academic and strategic engagement for the Department. It enriched participants' understanding of India's semiconductor ecosystem and set the stage for future educational initiatives aligned with national priorities. The event equipped both faculty and students with motivation, insights, and potential collaboration pathways—serving as a cornerstone in advancing holistic electronics education.

INDUSTRIAL VISIT TO "GTPL, JAMNAGAR"

An Industrial Visit to GTPL, Jamnagar, was organized by the Electronics and Communication (E.C.) Engineering Department of Government Polytechnic, Jamnagar on 20th September 2024. The visit aimed to expose students to the working of a telecommunications company and give them insights into modern networking technologies, particularly focusing on cable TV, internet services, and fiber optics infrastructure.

A total of 16 students from the 5th semester of the E.C. Engineering Department, accompanied by 3 faculty members, Mr. A. M. Bhatt, Mr. R. K. Borsaniya, and Mr. S. A. Pithia, participated in the industrial visit.

GTPL (Gujarat Telelink Private Limited) is one of the leading service providers in digital cable television and broadband services in Gujarat. It operates a robust fiber-optic network and provides high-speed internet and television services across Jamnagar and other parts of Gujarat.

Introduction to GTPL's Operations

The visit began with a presentation by the GTPL technical team, where they explained the company's role in providing cable TV and broadband services. The presentation covered topics such as network architecture, transmission technologies, and service delivery models.

Telecommunication Network Overview

Students were introduced to the working of cable TV and internet distribution systems, covering topics such as Headend Setup, Distribution Network, Set-Top Boxes, and Internet Services.

Fiber Optics Technology

A special session was conducted on fiber optics technology, where students were shown the real-time operation of fiber-optic networks, the backbone of GTPL's high-speed data transmission system.

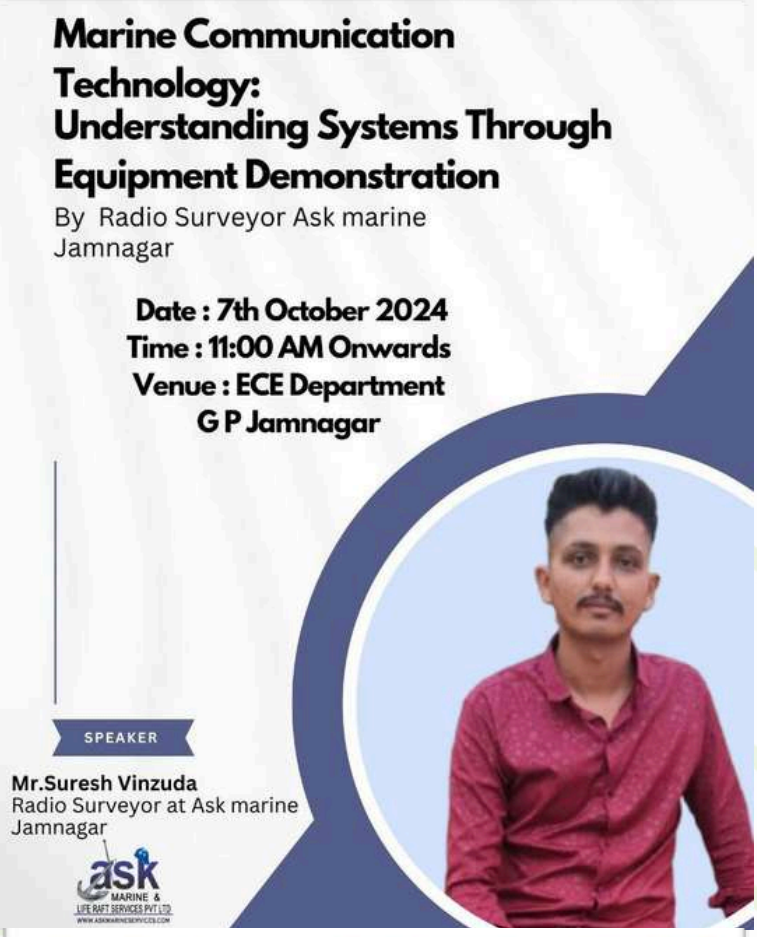
Networking Infrastructure

The students were taken on a guided tour of the GTPL facility, where they observed the different departments involved in maintaining network uptime and ensuring high-quality service delivery.

The industrial visit to GTPL, Jamnagar, was a resounding success. It provided the students with valuable industry exposure. The visit enhanced their practical knowledge and gave them insights into career opportunities in the telecom sector.

An expert session on *"Marine Communication Technology: Understanding Systems Through Equipment Demonstration"* was successfully organized on 7th October 2024, conducted by *Mr. Suresh Vinzuda*. The session was aimed at providing students and faculty members with insights into the various communication technologies used in marine systems, complemented by a live demonstration of the equipment involved.

The session began with a theoretical introduction to marine communication technology by *Mr. Suresh Vinzuda*. He explained the significance of reliable communication for vessels, highlighting systems such as VHF (Very High Frequency) radios, AIS (Automatic Identification Systems), and satellite-based communication systems.

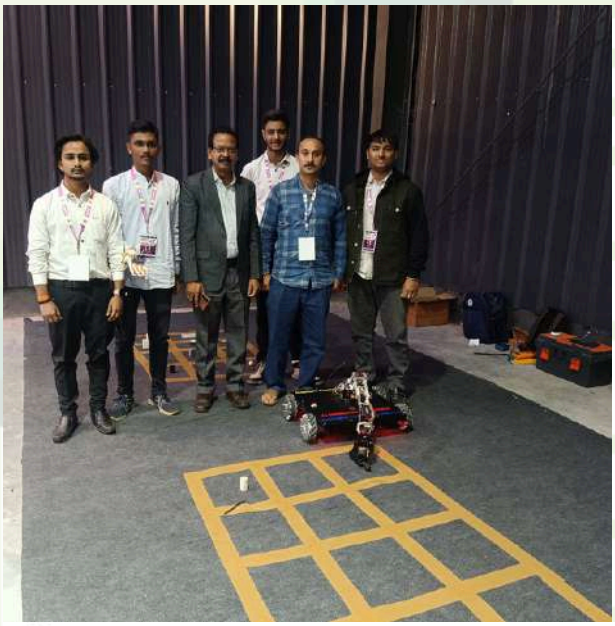


Key part of the session was the live demonstration of equipment used in marine communication. Attendees had the opportunity to observe and interact with devices like VHF radios and AIS transceivers. *Mr. Vinzuda* demonstrated how these devices are set up, calibrated, and used in real-time communication between ships and shore stations.

Students were encouraged to operate the equipment themselves under the guidance of *Mr. Vinzuda*, allowing them to gain practical experience in marine communication systems.

The expert session, conducted by *Mr. Suresh Vinzuda*, was a success, engaging students and faculty in a comprehensive learning experience. It highlighted the importance of hands-on demonstrations in understanding complex technological systems and inspired students to explore further in the field of communication technologies.

Robotic Glory : E. C. Department Sets a New Benchmark at "Robofest 4.0"



Our "Robotic Team" comprising of *Sanjeev Kashyap*, *Hem Vadgama*, *Krushant Kumbharana*, *Yash Mehta* and *Axit Davda*, under the mentorship of *Mr. A. M. Bhatt*, participated in the National Level Robofest Event for the very *first time* and created *history* by qualifying for the *Grand Finale* of the *Robofest 4.0*, scheduled during 21-24 January 2025. They presented the project titled "Gesture Controlled Robotic Arm with Omnidirectional Moving Base".

The first round of Robofest Gujarat 4.0 featured a large-scale selection, where 1,284 teams registered from across India. Out of these, 169 teams were selected for the second stage (the "Proof of Concept" round), receiving INR 2 lakh as development support .

દિવ્ય ભાસ્કર જામનગર

હાથના કાંડા, આંગળીના હલન ચલનથી સંચાલન કરી શકે તેવા રોબોટનું એક મોડલ તૈયાર કરાયું

જામનગરની સરકારી પોલિટેકનીકમાં ઇ.સી. એન્જિનિયરીંગ વિભાગના વિદ્યાર્થીઓએ ગૌરવ વધાર્યું

જામનગર શહેરની સરકારી પોલીટેકનીકમાં ઈ.સી. એન્જીનીયરીંગ વિભાગના વિદ્યાર્થીઓએ રાષ્ટ્રીય કક્ષાની ગૌરવવંતી રોબોટિક્સ સ્પર્ધા ગુજરાત રોબોફેસ્ટ 4.0 (ભારતની સૌથી મોટી રોબોટિક સ્પર્ધા)ના પ્રથમ રાઉન્ડમાં વિચારનો તબક્કો-1માં ઉત્કૃષ્ટ પ્રદર્શન કરી શહેર સહિત પોતાની સંસ્થાને ગૌરવ અપાવ્યું છે. આ ટીમ સ્પર્ધાના આગળના રાઉન્ડમા જવા માટે પસંદગી થઈ છે અને સાથે તેમને આ નવીન રોબોટિક પ્રોજેક્ટ માટે રૂ. 50 હજારનું રોકડ ઈનામ પ્રાપ્ત થયું છે.

આ ટીમમાં ઈ. સી. વિભાગના વિદ્યાર્થીઓ ટીમ લીડર તરીકે સંજીવ કશ્યપ, કૃશાંત કુંભારાણા, જીગર ભેડા અને પરા મહેતાએ મહેનત કરી ટીમના મેંટર ઈ.સી. વિભાગના વડા આશુતોષ ભટ્ટના માર્ગદર્શન હેઠળ એક તદ્દન નવીન પ્રકાર હાથના કાંડા અને આંગળિઓના હલન ચલનથી સંચાલન કરી શકાય એવા "જેસ્ચર-કન્ટ્રોલ્ડ રોબોટિક આર્મ વિથ ઓમ્નિડિરેક્શનલ મુવિંગ બેઝ" (સર્વદિશા મુવિંગ બેઝ સાથે હાવભાવ નિયંત્રિત રોબોટિક હાથ) રોબોટનું એક મોડેલ તૈયાર કર્યું છે.

આ પ્રકારના રોબોટનો ઉપયોગ ઈન્ડસ્ટ્રિમાં, મોટા ગોડાઉનમાં વસ્તુઓની હેર-ફેર માટે તેમજ અન્ય જગ્યાઓએ મોટા પ્રમાણમાં થાય છે. આ રોબોટની લાક્ષણિકતા અને કાર્યક્ષમતાએ ન્યાયાધીશોને પ્રભાવિત કર્યા છે.

આ વિદ્યાર્થીઓ હવે આગામી તબક્કા "પ્રૂફ ઓફ કન્સેપ્ટ" (લેવલ-2 PoC)-ખ્યાલનો પુરાવો) રાઉન્ડ માટે તૈયારી કરી રહ્યા છે. જે તા. 27 ઓક્ટોબર 2024ના સાયન્સ સિટી, અમદાવાદમાં યોજાશે. આ રાઉન્ડ તેમના રોબોટિક સોલ્યુશનની વ્યવહારિકતા અને અસરકારકતાનું વધુ પરીક્ષણ કરશે. ત્યારબાદ આગામી તબક્કામાં આ રોબોટનું 3'x2.5'x3.5' નું સંપૂર્ણ ફીલ્ડ કાર્ય કરતું મોડેલ તૈયાર કરવામાં આવશે.

The First Round (Ideation Stage) served as the preliminary screening round where teams submitted their concept proposals. Selected teams were awarded a cash prize and advanced to the Proof-of-Concept stage to develop their idea further. Our team successfully cleared this first round. Their ideation proposal in the Application-Based Robot category was among those shortlisted, enabling them to progress to Stage 2.

The E.C. Department team from Government Polytechnic, Jamnagar excelled in the Ideation Stage (first round) of Robofest Gujarat 4.0, earning recognition and a ₹50,000 award to support prototype development. This enabled them to advance to the Proof-of-Concept Round, where they continued their successful run.

After impressing the judges in the first round, the team from the EC department at Government Polytechnic, Jamnagar advanced to the second round—the "Proof-of-Concept (PoC)" stage—held on 27 October 2024 at Gujarat Science City, Ahmedabad. The PoC is the second stage, where teams validate their initial design and concept before developing a working prototype. The project by our team, demonstrated advanced application of gesture recognition, embedded systems, and robotics design. Our team, representing the Application-Based Robot category, achieved 3rd rank during the PoC Round and progressed to the Grand Finale. Along with the podium finish, they received ₹2 lakh as prize support to develop their prototype for the next stage (i.e. moving from PoC to Prototype/Grand Finale).

The E.C. Engineering Department of Government Polytechnic, Jamnagar marked a remarkable achievement by qualifying for the second round PoC stage of Robofest Gujarat 4.0, organized by GUJCOST. Competing in the Application-Based Robot category, the team showcased a strong and innovative concept that earned them selection and a grant to develop their prototype. Their outstanding performance in the second round led to their advancement to the Grand Finale, where they are now poised to compete against top teams from across the country. The department with high hopes and pride in the team's consistent excellence and technical ingenuity, is optimistic that our team will definitely create history and be victorious in the Grand Finale.

જામનગરની સરકારી પોલિટેકનિકના વિદ્યાર્થીઓનો રોબોટ પ્રોજેક્ટ ગુજરાત રોબોફેસ્ટમાં ઝળકયો

■ વિદ્યાર્થીઓએ મેળવ્યું રૂા.૫૦ હજારનું ઈનામ

જામનગરઃ સરકારી પોલિટેકનિક જામનગરમાં ઈ.સી.એન્જિનિયરીંગ વિભાગના વિદ્યાર્થીઓએ રાષ્ટ્રીય કક્ષાની ગૌરવવંતી રોબોટિક્સ સ્પર્ધા ગુજરાત રોબોફેસ્ટ ૪.૦ (ઈન્ડિયાની સૌથી મોટી રોબોટીક્સ સ્પર્ધા)ના પ્રથમ રાઉન્ડ આઈડેશન સ્ટેજ-૧માં ઉત્કૃષ્ટ પ્રદર્શન કરી સંસ્થાને ગૌરવ અપાવ્યું છે.આ ટીમ સ્પર્ધાના આગળના રાઉન્ડમાં જવા માટે પસંદગી પામી છે. સાથે-સાથે તેમને આ નવીન રોબોટિક પ્રોજેકટ માટે રૂા.૫૦ હજારનું રોકડ ઈનામ પણ મળ્યું છે.

આ ટીમમાં સામે

જામનગરના વિદ્યાર્થીઓએ તૈયાર કર્યા રોબોટ. (મુકેશ જોષીપુરા)

ઈ.સી.વિભાગના વિદ્યાર્થીઓ સંજીવ કશ્યપ (ટીમ લીડર), કુશાંત કુંભારાણા, જગર ભેડા અને યશ મકવાણાએ સખત મહેનત કરી ટીમના મેંટર ઈ. સી. વિભાગના વડા આશુતોષ ભટ્ટના માર્ગદર્શન હેઠળ એક તદ્દન નવીન પ્રકાર હાથના કાંડા અને આંગળીઓના હલન ચલનથી સંચાલન કરી શકાય જેવા જેસ્ચર-કન્ટ્રોલ્ડ રોબોટીક આર્મ વિથ ઓમ્નિડિરેક્શન મુવિંગ બેઝ રોબોટનું એક મોડેલ તૈયાર કરેલ છે.આ પ્રકારના રોબોટનો ઉપયોગ ઈન્ડસ્ટ્રીમાં, મોટા ગોડાઉનમાં વસ્તુઓની હેરફેર માટે તેમજ બીજે અન્ય જગ્યાઓએ મોટા પ્રમાણમાં થાય છે.

આ રોબોટની લાક્ષણિકતા અને કાર્યક્ષમતાએ ન્યાયાધીશોને પ્રભાવિત કર્યા છે. વિદ્યાર્થીઓ હવે આગામી તબક્કા પ્રૂફ ઓફ કન્સેપ્ટ રાઉન્ડ માટે તૈયારી કરી રહ્યા છે.જે ૨૭ ઓકટોબરના સાયન્સ સિટી, અમદાવાદમાં યોજાશે. આ રાઉન્ડ તેમના રોબોટિક સોલ્યુશનની વ્યવહારિકતા અને અસરકારતાનું વધુ પરીક્ષણ કરશે.ત્યાર બાદ આગામી તબક્કામાં આ રોબોટનું ગણ બાય ૨, પાંચ બાય ૩.૫નું સંપૂર્ણ રીતે કાર્ય કરતું મોડેલ તૈયાર કરવામાં આવશે.

The Department of Electronics and Communication Engineering at Government Polytechnic Jamnagar organized a seminar on "Entrepreneur Development" on November 27, 2024. The seminar aimed at fostering entrepreneurial skills and mindset among students, encouraging them to think beyond traditional career paths and explore the vast opportunities in entrepreneurship.

Mrs. Sweta Saboo, a successful entrepreneur from Jamnagar, was the keynote speaker. She has been instrumental in establishing her own venture and is known for her expertise in business development, strategic planning, and innovation. With years of experience in the entrepreneurial field, she shared her journey and insights with the students.

KEY HIGHLIGHTS

Importance of Entrepreneurship

Mrs. Saboo emphasized the growing relevance of entrepreneurship in today's economy and its role in job creation, innovation, and economic growth.

Challenges and Opportunities

Mrs. Saboo shared real-life examples of challenges she faced during her entrepreneurial journey and how she overcame them through strategic thinking and persistence. She also highlighted the current opportunities available for budding entrepreneurs in the electronics and communication sector.

Innovation in Business

One of the key points was the role of innovation in business success. Mrs. Saboo encouraged students to be creative and come up with innovative solutions to real-world problems.

Networking and Mentorship

She emphasized the importance of building a strong network and seeking mentorship from industry experts, sharing her own experiences of how mentorship played a crucial role in her success.

The seminar concluded with a vote of thanks to Mrs. Sweta Saboo for sharing her valuable experiences and insights. The students expressed their gratitude for the informative session, which not only broadened their knowledge but also inspired them to consider entrepreneurship as a viable career option. The seminar was a great success, with active participation from the students. It provided them with a comprehensive understanding of entrepreneurship, along with practical tips on how to embark on their own entrepreneurial journeys.

TOP ACADEMIC PERFORMERS

FIRST YEAR

1. PRUTHVI K. PARMAR (236250311026) - 9.76 CPI
2. MOGALPATHAN AAMANABAI (236250311018) - 8.78 CPI
3. MOGALPATHAN TABBASUM (236250311019) - 8.54 CPI

SECOND YEAR

1. ARYAN S. KHONA (226250311016) - 9.48 CPI
2. RAJNISH B. NAKUM (226250311021) - 8.47 CPI
3. MANASH B. GUSANI (226250311010) - 8.27 CPI

THIRD YEAR

1. SHIVAM K. THANKI (216250311003) - 7.93 CPI
2. HEM B. VADGAMA (216250311001) - 7.36 CPI
3. AKSHIT P. DAVDA (216250311014) - 6.61 CPI

As we bring this edition of the Electronics & Communication Engineering Department newsletter to a close, we extend our sincere appreciation to all students, faculty members, and stakeholders who have actively contributed to the progress and vibrancy of our department.

This newsletter has captured the essence of our recent milestones – from innovative student participation in national-level competitions like Robofest 4.0, to impactful expert talks, seminars, and collaborative initiatives that reflect our ongoing commitment to academic excellence and practical learning.

We firmly believe in nurturing not only technical competence but also creativity, leadership, and lifelong learning. The achievements and activities highlighted here are a testament to the collective spirit and dedication that define our department.

We look forward to sharing more inspiring updates, success stories, and opportunities in the next edition. Until then, let us continue to learn, innovate, and grow – together.

Thank you for being an integral part of our journey.