

MINDSPARK

I&C DEPARTMENT | ISSUE 13 | JULY – DECEMBER 2025



*“Your Window into
Instrumentation & Control”*

*Department Of Instrumentation &
Control*

*Government Engineering College ,
Gandhinagar*



FROM THE DESK OF

DR. SWETA P. DAVE

PRINCIPAL

GOVERNMENT ENGINEERING COLLEGE, GANDHINAGAR



DR. SWETA P. DAVE

PRINCIPAL

Government Engineering College, Gandhinagar

It is a pleasure to present this edition of Mindspark, the newsletter of the Instrumentation and Control Engineering Department. The department continues to demonstrate consistent growth through academic upgradation, industry collaboration, and student-centric initiatives.

Instrumentation and Control Engineering plays a vital role in automation and intelligent systems. The commitment shown by faculty and students in adapting to emerging technologies and real-world challenges is commendable.

I appreciate the efforts of the department in nurturing technically sound, ethically responsible and industry-ready engineers. I extend my best wishes for continued success and innovation.

FROM THE DESK OF
PROF. MANISH JANI

COORDINATOR- IC DEPARTMENT
GOVERNMENT ENGINEERING COLLEGE, GANDHINAGAR



PROF. M. R. JANI
COORDINATOR – IC DEPARTMENT
Government Engineering College, Gandhinagar

It gives me an immense pleasure to present Mindspark – Issue 13, highlighting the academic and professional activities conducted during July–December 2025.

The department has actively organized workshops, expert sessions, industrial visits, MoUs, and alumni interactions to bridge the gap between theory and practice. These initiatives reflect our commitment to the holistic student development.

I congratulate the faculty and students for their enthusiastic participation and achievements and thank our industry partners and alumni for their continued support.

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INSTITUTE

Established in 2004, Government Engineering College, Gandhinagar (GEC-Gn) takes pride in its highly motivated students. Our students are life-long assets that help this institute to continuously evolve and work towards its Vision. Approved by AICTE. The College is administrated by Commissionerate of Technical Education, Gujarat State, Gandhinagar. GEC-Gn is affiliated to Gujarat Technological University. GEC-Gandhinagar offers its students a wide range of courses like Biomedical, Computer, Electronics & Communication, Instrumentation & Control, Information Technology, Robotics & Automation, Electrical Engg, Mechanical Engg, Civil Engineering and Metallurgy.

INSTITUTE VISION

To be a premier engineering institution, imparting quality education for innovative solutions relevant to society and environment.

INSTITUTE MISSION

- To develop human potential to its fullest extent so that intellectual and innovative engineers can emerge in a wide range of professions.
- To advance knowledge and educate students in engineering and other areas of scholarship that will best serve the nation and the world in future.
- To produce quality engineers, entrepreneurs and leaders to meet the present and future needs of society as well as environment.

DEPARTMENT

The Department of Instrumentation and Control Engineering offers B.E. programme at the Under Graduate level since year 2004. Presently department offers undergraduate course, recognized by AICTE (All India Council for Technical Education). The department is equipped with well-developed laboratories to satisfy the course curriculum and fill in the industry institute gap with an aim to produce talented instrumentation and control engineers who cater to meet the technological challenges of industries and society with environmental consideration.

DEPARTMENT VISION

To impart quality education in Instrumentation and Control Engineering through innovation to meet technological challenges of industries and society with environmental consideration.

DEPARTMENT MISSION

- To impart knowledge about present trends in the field of Instrumentation & Control engineering.
- To train competent Instrumentation & Control engineers who can design, operate process instrumentation and also manufacturing an automation systems in industries.
- To encourage students to work on innovative research projects related to Instrumentation & Control engineering considering environmental aspect.

FACULTY DETAILS



PROF. M. R. JANI
Coordinator – IC Department
Qualification: M.E. (IC)
Experience: 30 Years

PROF. A. D. RATHOD
Associate Professor
Qualification: M.E. (IC)
Experience: 25 Years



DR. R. C. PATEL
Associate Professor
Qualification: Ph.D.
Experience: 24 Years

PROF. M. B. HINGU
Assistant Professor
Qualification: M.Tech
Experience: 28 Years



PROF. I. U. AJMERI
Assistant Professor
Qualification: M.E. (IC)
Experience: 27 Years

DR. K. C. DAVE
Assistant Professor
Qualification: Ph.D.
Experience: 16 Years



PROF. K. K. ACHARYA
Assistant Professor
Qualification: M.E. (IC)
Experience: 28 Years

DR. K. B. PATHAK
Assistant Professor
Qualification: Ph.D.
Experience: 21 Years



PROF. K. S. VASHISHTHA
Assistant Professor
Qualification: M.E. (IC)
Experience: 15 Years

PROF. N. V. PATEL
Assistant Professor
Qualification: M.E. (IC)
Experience: 16 Years



PROF. P. N. PATEL
Assistant Professor
Qualification: M.E. (IC)
Experience: 11 Years

PROF. R. S. RANA
Assistant Professor
Qualification: M.Tech (IC)
Experience: 9 Years



PROF. R. L. ZADFIYA
Assistant Professor
Qualification: M.Tech (IC)
Experience: 15 Years



DR. A. N. BOKADE
Assistant Professor
Qualification: Ph.D.
Experience: 20 Years



PROF. J. J. SHAH
Assistant Professor
Qualification: M.E.
Experience: 9 Years



DEPARTMENTAL ACTIVITIES

MoU with Amtech Electronics India Limited, Gandhinagar

The Instrumentation and Control Department of Government Engineering College (GEC), Gandhinagar signed a Memorandum of Understanding (MoU) with Amtech Electronics India Limited, Gandhinagar on 29th July 2025, marking an important step in strengthening industry–institute collaboration.

The MoU focuses on enhancing practical learning, skill development, and knowledge exchange in the areas of electronics and automation. Through this collaboration, students and faculty members will gain exposure to industry-supported laboratory facilities, expert lectures, workshops, and training programs, ensuring alignment with current industrial practices and technological requirements.

The MoU signing ceremony at the industry was attended by senior representatives from Amtech Electronics, namely **Mr. Piyushabhai Patel (Managing Director)**, **Mr. Vinod Patel (Vice President)**, and **Mr. Dhananjay Mehta (Senior Manager – Training & Development)**. Their presence highlighted the importance of direct industry involvement in academic activities and practical skill development.

The MoU was coordinated under the guidance of **Prof. M.R. Jani**, with support from the Instrumentation and Control Department faculty members **Prof. A.D. Rathod**, **Prof. K.C. Dave**, and **Prof. A.N. Bokade**. The collaboration is expected to support student readiness for industry and strengthen faculty exposure to current industrial practices in electronics and automation.

As part of the MoU, Amtech Electronics India Limited donated two advanced equipment modules to the Instrumentation and Control Engineering Department, contributing to the enhancement of laboratory facilities:

1. **AXPERT-EAZY 5.5 kW ND AC VFD Module (Model: AMT-EM-0014A-4, Sr. No. 53122)**
2. **AXPERT OPTI TORQUE Soft Starter 7.5 kW (23A) Module with Internal Bypass (Sr. No. 47152)**

This collaboration will support hands-on learning and strengthen the department's laboratory resources in the area of electronics and automation.



Workshop on Fundamentals of Control System

GOVERNMENT ENGINEERING COLLEGE, GANDHINAGAR
INSTRUMENTATION & CONTROL DEPARTMENT

**A WORKSHOP ON
FUNDAMENTALS OF CONTROL SYSTEM**

Venue
Block 2, IC Department

Date & Time
4th August, 2025,
10:30 AM onwards

Registration QR Code

Seats are limited
therefore it will be on
'First Come First Serve'
basis

Dr. K. B. Pathak (IC Department)
Prof. M. B. Hingu (IC Department)
Prof. M.R. Jani (IC Department)
Faculty Coordinators

**Beneficial to Students
of
IC, BM, EC, EE & RA**

Prof. M.R. Jani
Coordinator -IC
GEC, Gandhinagar

Dr. S.P.Dave
Principal
GEC, Gandhinagar



The event was coordinated by Prof. M. R. Jani (Coordinator – IC) along with Dr. K. B. Pathak, Prof. M. B. Hingu, and Prof. M. R. Jani as faculty coordinators, under the guidance of Dr. S. P. Dave, Principal, GEC Gandhinagar. The objective of the workshop was to strengthen students' understanding of fundamental control system concepts and their practical relevance in engineering applications. The workshop helped participants gain conceptual clarity, improve analytical skills, and develop interest in control engineering, thereby supporting their academic learning and future professional readiness.

The Fundamentals of Control Systems workshops introduced core concepts, modern analytical tools, state-space-based modern control theory, and compensation methods in both time and frequency domains. Hands-on activities were organized around industrial case studies, using tools such as MATLAB, SCILAB, and various freely available online open-source software.

Expert Session on MASTERING GROUP DISCUSSION & PERSONAL INTERVIEW CRACKING SKILLS

As part of the placement preparation initiative, a session on “Mastering Group Discussion and Personal Interview Cracking Skills” was conducted for the students of Instrumentation and Control (IC) Department at GEC Gandhinagar. The session was aimed at equipping students with professional skills crucial for placement drives, focusing on effective participation in Group Discussions (GDs) and confidently handling Personal Interviews (PIs).

These two aspects form a vital part of the recruitment process and mastering them ensures better career opportunities.

The resource person for the session was Mr. Utkarsh Upadhyay, a distinguished educator, corporate trainer, and curriculum developer with extensive experience in academic and professional training. His interactive presentation style and industry-oriented approach made the session impactful and engaging.



Industrial Visit at AMULFED DAIRY, BHAT, GANDHINAGAR

A visit was organized to Amul Fed Dairy for the students of 2nd and 3rd year Instrumentation and Control Engineering, on 29/08/2025. The objective was to understand the automation, sensors, and working model inside the dairy plant.

FUJI RDPⅢ

21



36 20A

21

FUJI RDPⅢ

21



36 20A

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MoU with Axis Solutions Ltd., Ahmedabad

The Instrumentation and Control Department of Government Engineering College (GEC), Gandhinagar signed a Memorandum of Understanding (MoU) with Axis Solutions Limited, Ahmedabad on 17th September 2025, marking an important milestone in strengthening industry–academia collaboration in the domain of automation. The department shares a strong and long-standing relationship with Axis Solutions Ltd., and the MoU was formalized following a fruitful and insightful discussion with the Axis team on collaborative academic and industry-supported initiatives.



“Insightful discussion with the Axis team at GEC, Gandhinagar”

The MoU with Axis Solutions Ltd. is intended to promote knowledge sharing, enhance practical exposure, and support industry-driven academic initiatives. Through this collaboration, students and faculty members will gain opportunities to participate in expert sessions, workshops, hands-on training, and the development of an industry-supported laboratory at the Instrumentation and Control Department, thereby aligning academic learning with current industrial practices and technological advancements.



“MoU signing ceremony at Axis Solutions Ltd.”

The MoU signing ceremony was graced by eminent industry representatives from Axis Solutions, including **Dr. Bijal Sanghvi (Managing Director)**, and **Mr. Sanjeev Chakraborty (Head – Business Development, Fellow and Chartered Engineer)**. Their presence highlighted the importance of sustained industry engagement in academic development and reinforced the value of long-term collaboration.

This MoU was coordinated under the guidance of **Prof. M.R. Jani**, with active support from **Prof. K.C. Dave, Prof. N.V. Patel, Prof. R.S. Rana and Prof. A.N. Bokade**. The Instrumentation and Control Department looks forward to further strengthening this collaboration for mutual academic and professional growth.



Industrial Visit to Amtech Electronics India Limited, Gandhinagar

An industrial visit to Amtech Electronics India Ltd., GIDC Gandhinagar was organized on 19th September 2025 by the Instrumentation & Control Engineering Department, Government Engineering College, Gandhinagar. The visit provided students with valuable practical exposure to the industrial working environment, enabling them to understand the company's organizational structure, production processes, and quality control practices.

Through expert interaction and on-site observation, students gained insights into real-world applications of electronics and instrumentation concepts, effectively bridging the gap between theoretical knowledge and industrial practices while enhancing their awareness of professional engineering standards and industry expectations.



Expert Session on “Shaping Futures: Holistic Development for Emerging Engineers”

The Instrumentation & Control Engineering Department, organized an expert session on “Shaping Futures: Holistic Development for Emerging Engineers” on 20th September 2025 at the institute campus. The session was delivered by **Mr. Manoj R. Thakkar, Founder and Chairman of IIMT Studies, Ahmedabad.**

Mr. Manok Thakkar Sir shared valuable insights on aligning academic learning with career goals and emphasized the importance of holistic development for engineering students. He highlighted key aspects such as leadership qualities, communication skills, adaptability, global exposure, and continuous learning to meet evolving industry demands. Through real-life examples and practical guidance, he motivated students to focus on overall personality development along with technical competence.

The session concluded with an interactive discussion where students actively participated by raising questions related to career opportunities, higher education, and industry expectations. The event was well received by the participants and proved to be informative, inspiring, and beneficial for the overall professional growth of students.

GOVERNMENT ENGINEERING COLLEGE, GANDHINAGAR
INSTRUMENTATION & CONTROL ENGINEERING DEPARTMENT
ORGANIZES



AN EXPERT SESSION ON “SHAPING FUTURES: HOLISTIC DEVELOPMENT FOR EMERGING ENGINEERS”

20th Sept., 2025 (Saturday)
Timing: 3:30 PM onwards

Venue :
Block 2, Seminar Hall (2202/A)
I.C. Dept.

EXPERT

CONVENOR



Prof. M.R. JANI
Dept. Coordinator-I.C. Department
G.E.C. Gandhinagar

PATRON



Dr. S. P. DAVE
Principal
G.E.C. Gandhinagar

MR. MANOJ R. THAKKAR
Founder and Chairman
IIMT Studies - International Institute of
Management and Technical Studies
Ahmedabad

Faculty Coordinator
Dr. K.C. Dave, Dr. A. N. BOKADE



An EXPERT TALK on “DATA TRANSMISSION STANDARDS”

An expert talk on “Data Transmission Standard” was organized by the Instrumentation & Control Engineering Department on 2nd September 2025 to address the curriculum gap identified under NEP-2020 for the subject Measurement & Instrumentation (BE03000031). The session was delivered by Prof. Nilesh Bankar, EC Department, GEC Gandhinagar, who effectively explained key concepts related to data transmission standards, enhancing students’ conceptual and practical understanding. The expert session was well coordinated by Prof. K. K. Acharya and Prof. A. D. Rathod, and proved to be highly beneficial for students by bridging the gap between the prescribed syllabus and emerging technical requirements.



Teachers' Day Celebration in IC Department

Institute NSS/Gymkhana team with support of IC department organized and celebrated Teachers' Day (Pre celebration on 4th Sep-025)

Total 32 students and 13 faculties from the institute participated in this event



Personality Development Program for Young Leaders



On the birth day of Swami Vivekananda, an expert session was conducted on Personality Development for young leaders and it was helpful to students as a part of subjects IPDC and CPDP in sem 1st and 5th .

Total 60 students from IC and 62 students from other branches participated in this event

This session provided useful inputs for the subjects IPDC and CPDP to all students.

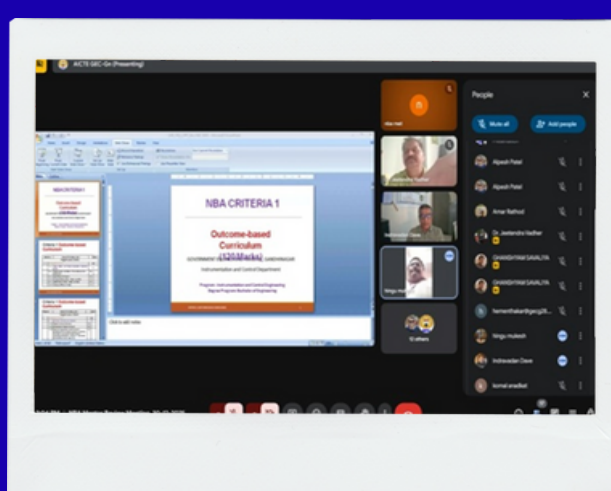
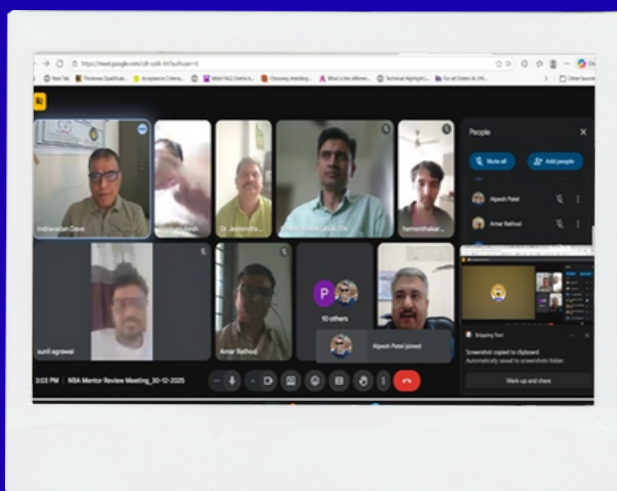
As a part of “Vikas Saptah-2025” oaths were taken for overall development of nation i.e “Vikas Shapath”

Total 45 students and faculties participated in this oath taking ceremony. Event was organized by IC department with support of Gymkhana team.



Prof.M.B.Hingu presented Criteria-1 during NBA Mentor meeting on 30th Dec-2025

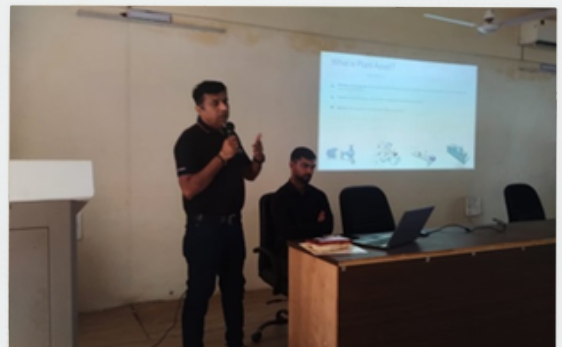
It was an online meeting conducted by Prof.J. A.Vadher and in that NBA coordinators of all departments were present. Prof.M.B.Hingu presented the work done by IC department for Criteria-1 and also discussed important points from NBA perspective.



ALUMNI MEET

IC Department organized Alumni Meet on 26th Sep-2025.

Our alumni who are working in industries have inspired students and have given information related to available job opportunities in the area on industrial automation, process control and product manufacturing. It was a useful session for students to learn from alumni and to get some idea for future preparations related to their career.



FACULTY ACHIEVEMENTS

- Prof. N.V.Patel participated in NPTEL Online course 'OBE and Accreditation' during July-October 2025 and secured 98% score (Topper 1% Certificate).
- Prof. A.N.Bokade participated in NPTEL Online course 'OBE and Accreditation' during July-October 2025 and secured 94% score (Topper 2% Certificate).
- Prof. K.S. Vashishtha participated in NPTEL Online course 'OBE and Accreditation' during July-October 2025 and secured 93% score (Topper 5% Certificate).
- Prof. M.R. Jani participated in NPTEL Online course 'OBE and Accreditation' during July-October 2025 and secured 92% score (Topper 5% Certificate).
- Prof. K.B.Pathak participated in NPTEL Online course 'OBE and Accreditation' during July-October 2025 and secured 92% score (Topper 5% Certificate).

FACULTY PARTICIPATION IN STTP/FDP/MOOC

- Prof. M. R. Jani successfully completed an FDP on 'OBE and Accreditation' on the NPTEL platform during July-Oct 2025.
- Prof. A. D. Rathod successfully completed an FDP on 'OBE and Accreditation' on the NPTEL platform during July-Oct 2025.
- Prof. R . C. Patel completed an FDP on 'OBE and Accreditation' on the NPTEL platform during July-Oct 2025.
- Prof. M. B. Hingu successfully completed an FDP on 'OBE and Accreditation' on the NPTEL platform during July-Oct 2025.
- Prof. I. U. Ajmeri successfully completed an FDP on 'OBE and Accreditation' on the NPTEL platform during July-Oct 2025.

- Prof. K. C. Dave successfully completed an FDP on ‘OBE and Accreditation’ on the NPTEL platform during July-Oct 2025.
- Prof. K. B. Pathak successfully completed an FDP on ‘OBE and Accreditation’ on the NPTEL platform during July-Oct 2025.
- Prof. K. S. Vashishtha successfully completed an FDP on ‘OBE and Accreditation’ on the NPTEL platform during July-Oct 2025.
- Prof. N.V.Patel successfully completed an FDP on ‘OBE and Accreditation’ on the NPTEL platform during July-Oct 2025.
- Prof. R.S. Rana successfully completed an FDP on ‘OBE and Accreditation’ on the NPTEL platform during July-Oct 2025.
- Prof. R.L. Zadfiya successfully completed an FDP on ‘OBE and Accreditation’ on the NPTEL platform during July-Oct 2025.
- Prof. A.N.Bokade successfully completed an FDP on ‘OBE and Accreditation’ on the NPTEL platform during July-Oct 2025.
- Prof. P.N.Patel attended 6 MONTHS Hybrid Mode AICTE-QIP-PG Certificate Programme “Deep Learning: Fundamentals and Applications” at Sardar Vallabhbhai National Institute of Technology, Surat.

OTHER ACTIVITIES BY FACULTIES

Dr. Kalpesh B. Pathak has attended online webinar on "LaTeX for Academics An Introduction to LaTeX" dated 09/07/2025, under the initiative TEERTH organized by Knowledge Consortium of Gujarat, Education Department, Government of Gujarat.



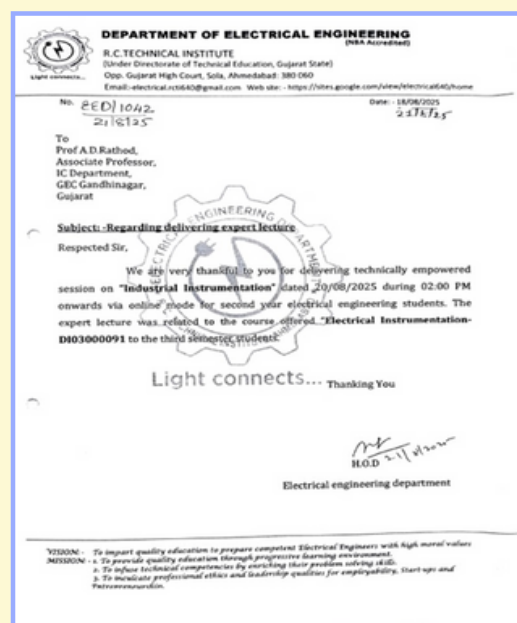
Prof.A.D.Rathod has attended various online webinars under the initiative TEERTH organized by Knowledge Consortium of Gujarat, Education Department, Government of Gujarat.



Prof.A.D.Rathod has attended various online webinars under the initiative TEERTH organized by Knowledge Consortium of Gujarat, Education Department, Government of Gujarat.



Prof.A.D.Rathod conducted an expert lecture at RCTI-Ahmedabad on "Industrial Instrumentation" – Dt 2/8/2025



Prof. M.B.Hingu has attended various online webinars under the initiative TEERTH organized by Knowledge Consortium of Gujarat, Education Department, Government of Gujarat.



Prof.M.R.Jani attended FDP on “ Exploring AI tools in Education-Practical FDP for empowering educators” from 1st to 5th Sep-2025 at SSCE-Bhavnagar.



PEDAGOGY Sessions conducted by faculties

All faculties of IC department have conducted pedagogy sessions of various criteria of NBA based on their MOOC training course.

All sessions were excellent and all contributed for in depth understanding of NBA criteria and current status of the department

Faculties also had brain storming and discussion sessions as a part of presentations conducted for various NBA criteria.

All discussion on NBA criteria was very effective and it provided proper guidelines for further preparation.



STUDENT ACHIEVEMENT

23rd December 2025 | Gujarat Samachar Plus

૨૧ વર્ષીય તેજસ્વીની યાદવે નેવીની પરીક્ષા પાસ કરી, હવે દેશસેવામાં જોડાશે

નેવીમાં સબ લેફ્ટનન્ટ તરીકે પસંદગી પામનાર અમદાવાદની એકમાત્ર યુવતી

સપુરા વિસ્તારના માણતિવીલા બંગ્લોઝમાં રહેતા નિશાબહેન યાદવની દીકરી તેજસ્વીની યાદવ ઇન્ડિયન નેવીમાં એવિએશન ઓફિસરમાં સબ લેફ્ટનન્ટ તરીકે પસંદગી પામી દેશસેવામાં જોડાશે. આ વિશે તેજસ્વીની યાદવે કહ્યું કે, મારો જન્મ મધ્યમ અને સંયુક્ત પરિવારમાં થયો હતો. પરિવારના સભ્યો અને સગા-સંબંધીઓ એક સામાજિક પ્રસંગમાં મળ્યા અને તેઓ દેશસેવાને લઈને ચર્ચા કરતા હતા. દીકરાઓ જ દેશસેવામાં જોડાઈ શકે છે જ્યારે મહિલાઓએ ઘરસંભાળ કે બીજી કામગીરી સંભાળવાની હોય છે.

મામા પાસેથી માર્ગદર્શન મેળવ્યું

મેં બી.ટેક એન્જિનિયરિંગનો અભ્યાસ પૂરો કર્યો હતો. મારા મામા આર્મીમાં સેવા આપી રહ્યા છે અને તેમનું માર્ગદર્શન મને ઘણું મદદરૂપ રહ્યું હતું. બે વર્ષની અથાગ મહેનત પછી નેવલ એર ઓપરેશનલ ઓફિસર (એનએઓઓ)ની પરીક્ષા પાસ કરીને નેવીમાં જોડાવાનું મારું સ્વપ્ન પૂરું થયું છે.

પ્રથમ પ્રયત્ને પરીક્ષા પાસ કરી

નેવી ઓફિસર માટેની પરીક્ષા જૂન ૨૦૨૪માં આપી હતી. આ પરીક્ષા ઘણી મુશ્કેલ હોય છે અને મહેનત ઘણી વધારે માંગી લે છે. પાંચ દિવસની પરીક્ષા આપ્યાના થોડા દિવસમાં પરિણામ આવ્યું જેમાં હું પાસ થઈ છે, જે શહેરના બધા સભ્યો માટે શહેરના ગૌરવભરી ઘટના સમાન છે.



મારી બન્ને દીકરી દીકરા સમાન છે

મારી બે દીકરી સાથે અમે સંયુક્ત પરિવારમાં રહીએ છીએ. હું ગ્રાઈવેટ સ્કૂલમાં જોબ કરું છું. આર્થિક સ્થિતિ મધ્યમ છે તેમ છતાં દીકરીઓ સારો અભ્યાસ કરીને પ્રગતિ કરે તેવી મારી ઇચ્છા છે. દીકરીઓને અભ્યાસ કરાવવા માટે ખૂબ પરિશ્રમ કર્યો છે. હું મારા સ્વપ્નને નહીં પણ દીકરીઓને સ્વપ્નને પૂરા કરવા મહેનત કરી રહી છું અને મારી દીકરીએ શહેરમાંથી નેવીમાં પ્રથમ સિલેક્શન થનાર વ્યક્તિ બની છે જે અમદાવાદ માટે ગૌરવની વાત છે. આગામી ૨૭ ડિસેમ્બરે જામનગરમાં નેવીમાં પોતાની સેવા કારકીર્દિની શરૂઆત કરશે. - નિશાબહેન યાદવ, માતા

Ms. Tejasvini Yadav (Batch 2024), a student of the Instrumentation and Control Engineering Department, Government Engineering College (GEC), Gandhinagar, has been selected and commissioned as a Sub Lieutenant in the Indian Navy. This is a notable achievement, as she is the only female candidate from Ahmedabad to have been selected for this prestigious position.

Her selection reflects her dedication, discipline, and strong sense of responsibility. The Instrumentation and Control Engineering Department congratulates Ms. Tejasvini Yadav on her outstanding accomplishment and extends best wishes for a successful and honorable career in the service of the nation.

CREATIVE CORNER

Article by a faculty

“Time to sharpen the sword,Think,Pause,Rethink and Execute”

In today's era, education is being competitive day by day, and after getting higher education to build a successful career is also being more and more competitive. Students of engineering always are on their toes to do something better. They have to upgrade themselves with changing technology and changing trends in industries. But is that an only solution? If a student works hard and upgrades oneself with changing trends then what? The existing competition and macro-economic scenario is really threatening. Every country is facing various challenges and that is going to affect the job market as well as the technological implications.

Therefore it is a time to sharpen the sword. A sword of common sense, a sword of intellect, a sword of knowledge and a sword of skill. Considering current scenario, it is imperative to keep a watch on changing trends in society, in country and in the world too. Just getting a good job is not sufficient and it is not the only way to upgrade oneself and to contribute to the society too. If one can do something on his own and can develop something in an innovative way then it is going to have some meaning.

It is a time to develop something innovative, i.e. thinking.... Then pause and have a look on existing scenario i.e. current market, current economic situation, current technology and need of development in a specific area...Then comes a stage of rethinking i.e based on the study done in second stage, how one can improve or redevelop something so that it can solve some purpose in a better way...And finally execute it for a sustainable model i.e. a prototype, a product or a business model. That fire must be burning in the mind to do something better and to develop something new.

If at least 10% of youth and especially engineering students start thinking in this direction then it will really contribute a lot to the society and then to the country as a whole. Innovative ideas always find the fruitful minds. And if that works out perfectly then there will be abundant opportunities in terms of startups, business ventures, and new technological initiatives for research and development.

I think our students of engineering have that potential and can do something in this direction too... Feeling hopeful..... and optimistic....

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