



ASPIRE
Bi-Annual Newsletter
Issue: 3
(January 2019 - June 2019)



We are thrilled to publish the Third issue of ASPIRE, the semiannual newsletter of Government Engineering College, Gandhinagar. This newsletter aims at highlighting the activities and achievements of students and faculty members. The college media cell is thankful to everyone who contributed to the newsletter.

IN THIS ISSUE

- *Student Achievements*
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STUDENT ACHIEVEMENTS

- ✚ Keyur Patel, Avinash Patel, RushitSoni, Om Kishor&Dhruvi Shah from IC Department, sem-VI, participated in conference organized by SSIP (National Research Development Corporation, New Delhi: Conference on Connecting inventors innovators, incubators and investors for accelerating the growth of Start ups) at , EDI, Bhat, Ahmedabad on 30-3-2019 & 31-03-2019.
- ✚ JaynitPethani, Jay Dobaria& Om Kishor, students of IC Department sem-VI, successfully completed one month training at Gujarat Network Grid Fibre Limited (GNGFL) from 27-05-2019 to 27-06-2019.

FACULTY ACHIEVEMENTS

- ✚ Under the guidance of Dr. Shashi V. Ranga (General Department), one student has submitted the Ph.D. thesis from Gujarat Technological University in June 2019.

FACULTY ACTIVITIES

Expert Lectures

- ❖ *Prof. Vijay Dave, Assistant Professor in bio-medical dept., delivered an Expert lecture at Government Polytechnic Ahmedabad for Finishing School (Technical) on Maintenance of Medical Imaging Equipments for faculties and final year students of Biomedical Engineering Department on 04/05/2019.*
- ❖ *Prof. Manan Nanavati, Assistant Professor in bio-medical dept., was invited as subject expert in two days Skill Development Workshop on “Artificial Neural Network & Fuzzy Logic Using Matlab” for final year students of B. Tech - Biomedical Engineering at Parul Institute of Technology, Waghodia, Baroda.*
- ❖ *Prof. Vijay Dave delivered an Expert lecture at SSIP Annual International Conference on Student Innovation, Start-ups and Ecosystem-2019 at Entrepreneurship Development Institute of India during 6-7 June, 2019*

Paper Presentations

- ❖ *Prof. Ketan Acharya (IC) presented paper in GTU International conference on “Review on Use of Automation Techniques in Diagnosis and Prediction of Chronic Diseases” during March 2019*

Paper Publications

- ❖ *Prof. (Dr.) Kishor G. Maradia (Electronics and Communication Dept.) published a research paper titled “A novel method for estimation of rainfall attenuation using coarse rainfall data and proposal of modified ITU-R*

rain model for India” in *International Journal of SPRINGER NATURE*, March-2019.

- ❖ Prof. (Dr.) Kishor G. Maradia (Electronics and Communication Dept.) published a research paper titled “Performance Assessment 8*112 Gbps Coherent WDM OFDM Based ROF System Using SMF and ULAF Cables for Long reach” in *International Journal of IJRECE*, April-2019.
- ❖ Prof. Shahid Modasiya (Electronics and Communication Dept.) published a research paper titled “Low profile L5 and S band Microstrip antenna for IRNSS Application Using Coaxial Feed” in *International Journal of JoCE*, Jan-2019.
- ❖ Prof. Shahid Modasiya published a research paper titled “A Survey on Recent Microstrip Patch Antenna for Navigational Application” *Journal of Communication Engineering & Systems*” in *International Journal of JoCE*, April 2019.
- ❖ Prof. Shahid Modasiya published a research paper titled “Design of Multiband slotted Microstrip Patch Array Antenna for Navigational Application” in *International Journal of IJCNWC*, Jan-Feb 2019.
- ❖ Prof. Shahid Modasiya published a research paper titled “Design of Modified Wide Band Log Periodic Microstrip Antenna with Slot for Navigational Application” in *International Journal of LNEE-Springer (SCOPUS Indexed)*, April 2019.
- ❖ Prof. D. G. Sharma (Metallurgy Dept.) published Research paper “Fabrication of Hybrid Surface composites AA6061/(B4C+MoS₂) via Friction Stir Processing” in *ASME Journal of Tribology*, Vol. 141, May 2019.
- ❖ Dr. Vashishtha Patel published a research paper titled “The Ethics of Pragmatism versus the Aestheticism of Saga in Anita Desai’s Novel

Cry, the Peacock (1991) in the journal 'Ayan- An International Multidisciplinary Refereed Research Journal in Volume 7, Issue 2 April-June 2019

- ❖ *Yamini Parmar (Mathematics Dept.) published a research paper" Edge Vertex Prime Labeling for Some Trees" in Journal of Applied Science and Computations during Jan-2019.*
- ❖ *Dr. Daksha M Diwan (Mathematics Dept.) published research paper "INTERESTING PROPERTIES RELATED WITH THE CLASS OF GENERALIZED LUCAS SEQUENCES" in the International Journal of Advance and Innovative Research, Volume 6, Issue 2 (I): April June 2019 ISSN Number 23947780*

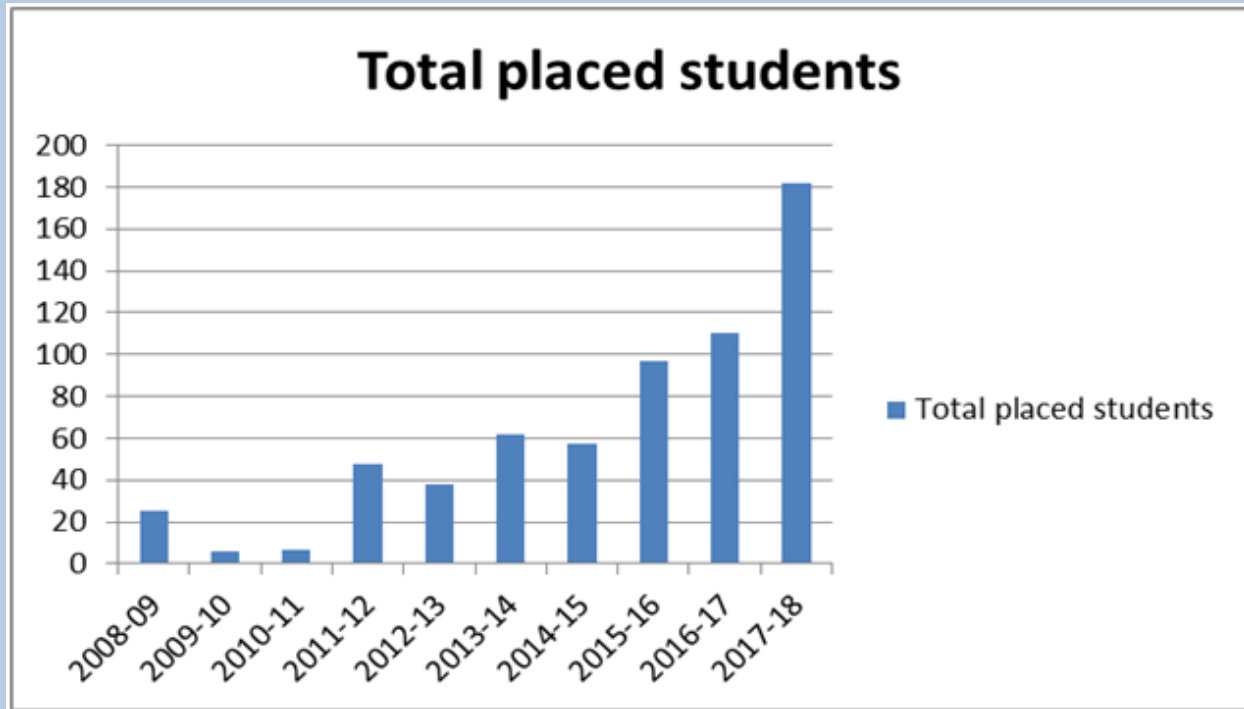
Faculty participation in conference/work shop/seminars

- ❖ *Prof. Deepali H Shah (IC dept.) attended FDP on "Research Opportunities in VLSI and Signal Processing" at VGEC, Chandkheda from 11th Feb to 6th Feb, 2019.*
- ❖ *Prof. Amar D Rathod, Prof. Kalpesh B Pathak, Prof. Keerti S. Vashishtha, Prof. Jheel J. Shah and Prof. Jiten B Maheta from IC department attended STTP on "Machine learning, Data science and Deep learning with Python" organized by Computer engineering department at GEC Gandhinagar from 10th June 2019 to 21st June 2019. It was sponsored & Approved by CTE, DST and GUJCOST*
- ❖ *Prof. A.L. Vaghamshi (Electrical Engg. Dept.) has attended two week STTP on Hands on: Mathematical Modeling and Software Simulation for Power systems and Electrical Machines at SVNIT Surat during 10-20, June-2019.*

COLLEGE PLACEMENTS UPDATE (2018-19)

- This year, the college was visited by 72 companies.
- Total 162 students got placed in various organizations.
- Other students opted for higher studies and preparation of competitive examinations.

The following graph shows the college's placement records for the past 10 years.



The T&P Cell Activities

GECG's Training and Placement Cell comprises a team of faculties and students coordinated by TPO under the mentorship of Principal.

Major Activities

- Maintain and update students database for placement
- Maintain and update industry database for placement
- Interact with industries by E-mails, phone calls and personal visits
- Interact with HR representatives in various training programs
- Invite experts from industries for expert lecture and interact for placement too
- Conduct industrial visits and try to know industry requirement
- Train students as per need of industries
- Groom students by way of finishing school and technical programs for soft skills, life skills and latest technical skills as per industry requirement.

INSTITUTE ACTIVITIES

In GEC-Gandhinagar team of faculties and students are actively involved in various activities

INDUSTRIAL VISIT

1. IC DEPARTMENT HAS ORGANIZED AN INDUSTRIAL VISIT AT IOT CENTRE OF EXCELLENCE, NOVATRICE TECHNOLOGIES LTD., AHMEDABAD ON 31/01/19 AND 01/02/19 AND HOSPITAL VISIT AT GMERS, CIVIL HOSPITAL, GANDHINAGAR ON 04/04/2019, FOR SEMESTER VI STUDENTS.



2. EC DEPARTMENT HAS ORGANIZED AN INDUSTRIAL VISIT AT SLTL (SHAHJANAND LASER TECHNOLOGY) AT GIDC ,GANDHINAGAR FOR 6TH SEMESTER STUDENTS ON 27/02/2019



OPEN HOUSE PROJECT FAIR

OPEN HOUSE PROJECT PRESENTATION FOR SEMESTER VII STUDENTS WAS HELD IN ALL DEPARTMENTS AT, GOVERNMENT ENGINEERING COLLEGE, SECTOR-28, GANDHINAGAR ON 28-02-2019.

STUDENTS DEMONSTRATED THEIR PROJECT IDEAS AND THEN GOOD PROJECTS WERE ALSO SELECTED FOR SSIP POC(PROOF OF CONCEPT) SUPPORT.



BOOT CAMP FOR SCHOOL CHILDREN

Govt. Engineering College Gandhinagar had organized Boot camp for school children, from 18th July-2019 to 20th July-2019

Three schools participated as mentioned below

- 1) Hillwoods School- Gandhinagar
- 2) Samarpan School- Gandhinagar
- 3) Krishna School Gandhinagar

Total 44 students and 6 teachers participated. It was really informative for students. Students were made aware for startup concepts, innovations, research, design thinking and entrepreneurship.

- Sensitization programs were also conducted at GEC-Gandhinagar for students and faculties for promoting SSIP activities.

Glimpse of Program



EXPERT LECTURES

1. EXPERT LECTURE AND HANDS ON SESSION ON “INDUSTRIAL AUTOMATION USING ALLEN BRADLEY PLC” FOR SEMESTER IV AND SEMESTER VI STUDENTS WAS ORGANIZED IN IC DEPARTMENT BY SOFTCON INDIA PVT. LTD., AHMEDABAD ON 24/01/2019.
2. METALLURGY DEPARTMENT HAS ORGANIZED EXPERT TALK ON “NANO TECHNOLOGY& SCOPE OF EDUCATION IN AUSTRALIA” DELIVERED BY SHRI. SUBHNEET TYAGI, CEO, AUSTRALIAN INST. OF ENGINEERING, ON 14/02/2019
3. METALLURGY DEPARTMENT HAS ORGANIZED EXPERT TALK ON “APPLICATION OF PLASMA IN SURFACE MODIFICATION” DELIVERED BY MR. SATYA PRAKASH, SCIENTIST –D, IPR, ON 13/04/2019
4. METALLURGY DEPARTMENT HAS ORGANIZED EXPERT LECTURE ON “ELECTRODE LESS DEPOSITION ON NOBLE METALS”, DELIVERED BY MR. DHAIVAT SOLANKI, ALUMNI, MET. DET., PURSUING PH.D. FROM HOUSTAN UNI. USA
5. METALLURGY DEPARTMENT HAS ORGANIZED EXPERT LECTURE BY DR. ALPHONS A JOSEPH, SCIENTIST, FCIPT, IPR GANDHINAGAR ON “ELECTROCHEMICAL TESTING METHODS” FOR BE METALLURGY 8TH SEMESTER STUDENTS.



SHORT TERM TRAINING PROGRAMME (STTP)

- Computer and IT Engineering Dept., Government Engineering College, Gandhinagar has successfully organized DTE approved GTU Sponsored One-week STTP On “Android Programming” during 14-18 Oct 2019 at C.V. Raman hall, GEC, Gandhinagar.

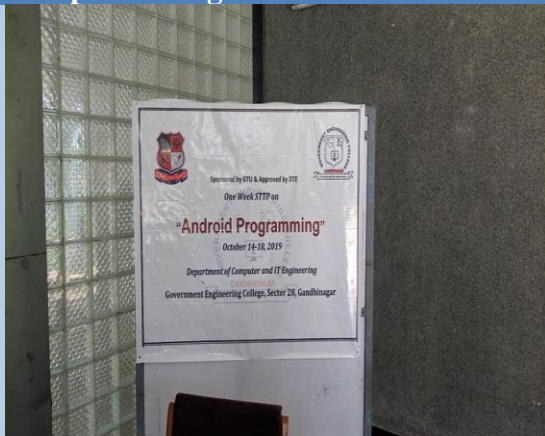
Statement from Programme Coordinator:

We are indeed thankful to GTU for giving us the financial support for organizing this STTP.

As mentioned in the name itself, this STTP is intended not only to get the theoretical exposure of Android Programming but also to showcase Hands on session of various android tools and controls.

Training program was attended by 17 participants. Participants were comprised of different fields like professors from different colleges from academic field.

Glimpse of Programme



SHORT TERM TRAINING PROGRAMME (STTP) (CONTD..)

- ✿ Metallurgy Department and Gulfnde jointly organized STTP on “Industrial based NDT Training & Practices” at GEC-GANDHINGAR campus. There were 34 Participants have participated. The program was Coordinated by Mr. Ashish Patel, Prof. P K Nanavati & Prof. D. V. Mahant from 08/07/2019 to 12/07/2019
- ✿ Metallurgy Department has arranged Three days Workshop on NDT under VG 2019 MOU between Gulfnde and GEC Gandhinagar jointly organized, Participants from various colleges (MSU+INDUS) from 14/02/2019 to 16/02/2019



MEDIA CORNER

સરકારી ઈજનેરી કોલેજ, સેક્ટર-૨૮, ગાંધીનગર ખાતે “વુમન સેફ્ટી અને લો” વિષય પર વ્યાખ્યાન નું આયોજન. (તા. ૧૯-૯-૨૦૧૯)



સરકારી ઈજનેરી કોલેજ, સેક્ટર-૨૮, ગાંધીનગર ખાતે નેશનલ વોટર્સ ડેની ઉજવણી (તા: ૨૫/૦૧/૨૦૧૯)



Next Issue:

Next issue will cover all updates from July-2019 to December-2019