

# Resonance@GDEC

For limited Circulations Only

## JOB FAIR

Training and Placement cell of GIDC Degree Engineering College has organized JOB FAIR 2018 at college campus on 23rd and 24th May, 2018. Around 400 students and jobseeker of various discipline of B.E./B.Tech (Mechanical, Automobile, Electrical, Electronics, Electronics & Communication, Computer and Civil Engineering) plus M.C.A., M.Sc.-I.T. and other fields from 22 colleges across South Gujarat region has participated in this JOB FAIR enthusiastically.

The objective of this JOB FAIR 2018 was to provide ample opportunity of placement to candidates, locally, for their bright future and at the same time provide recruiters a suitable platform with large number of candidate at single stop. Around 22 Reputed Companies of various background of engineering such as Maxxis Rubber, Theis, HLE, Transit Electronics, PureSkills, Bcatalyst, VMukti, Antim Technologies, ICICI Prudential, Hilti, Sun Technovation, FlexPro Electricals, Reliance Life Insurance, Pulse Technologies, Navkar Soft, VCERP, BNPreCast, Nebula, KCT Consultancy, one of the leading telecom companies etc have participated to recruit registered candidate in the JOB FAIR. Dr. K. N. Mistry, Principal of College has invited various companies and did ideal planning for the JOB FAIR 2018.

Before organizing the JOB FAIR, requirements of companies were collected and accordingly students were trained to deliver their best in JOB FAIR interview process. During JOB FAIR candidates were selected for final round of interview after going through primary test (written test) and group discussion.

About 979 students have appeared in the first round of JOB FAIR interview process. Out of which 120 students have been shortlisted for final interview. Few of these companies have declared their result of final selection for the appointment at various positions at respective company. Dr. H. S. Patil, Prof. Archana Nayak, Prof. Nilesh Parmar and Prof. Harshal Vashi has lifted endeavor to make this JOB FAIR fruitful. All the faculties along with non-teaching staff of college gave their contribution to make this event successful.



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## GDEC Team

**Dr. S. S. Patel,**  
I/C Principal

**Dr. H. S. Patil,**  
Head, Mechanical Engg. Dept.

**Prof. Archana Nayak,**  
Head, Computer Engg. Dept.

**Prof. Vikunj Tilva,**  
Head, Civil Engg. Dept.

**Prof. Toral Patel,**  
Head, Automobile Engg. Dept.

**Prof. Dhaval Patel,**  
Head, Electrical Engg. Dept.

**Prof. H. G. Vashi,**  
I/C Head, Applied Sci. & Huma. Dept.

## Editorial Team

- Prof. Archana M. Nayak
- Prof. Bhumika H. Patel
- Prof. Kushal D. Patel
- Mr. Nilesh G. Patel

## Student Achievement



The final year students of the GIDC Degree Engineering College, Abrama, Navsari, Pipaliya Jayesh Najjibhai, Kalariya Utsav Pareshbhai and their team members have developed the "Oxy Hydrogen Fuel System" as a project in fulfilment of their degree of Automobile Engineering graduating in Summer 2018 under the guidance of Prof. Ashish Jain. This system helps in increasing the Mileage of the two wheelers. Their idea has been approved by the GTU Innovation Council (G.I.C.) as a good alternative to help common people. This project has been selected at the state level after severe verifications at different levels. Jayesh and Utsav has been granted total of Rs 88,250 for the project under SSIP (Student Start-up Innovation Policy) through GTU GIC. In addition, Rs 20,000 has been approved for their Prototypy Development.

## Principal Message

I have been given charge of Incharge Principal for GIDC Degree Engineering College after relieving of Dr. K. N. Mistry in mid Jun-2018. I would like to thank GIDC Education Society for giving me the opportunity to serve the institution.

It is my immense pleasure to introduce you to the current edition of GDEC News Letter July 2018. GIDC Degree Engineering College is regularly publishing quarterly newsletter. The purpose of the newsletter is to send a positive motion to the staff, students and stakeholders. It provides a platform to showcase activities of the college, the achievements of students, faculties and staff members of the college.

The third batch of GDEC has passed out with average result of 92.76% in Summer-2018 exams. I congratulate all the graduating students for their bright future. We feel proud that many student of college achieved more than 9 SPI in their final semester.

Empowering students for their all-round development through education is our motto. Apart from technical education, college is also organizing extra-curricular activities which are given an opportunity to the students to blossom in all the directions and helping them grow their talent. Also college has set the target that students get the placement before they pass out. To achieve this target our college came forward by organizing Job Fair during May-2018. Around 400 students/jobseeker of various discipline across the South Gujarat region and around 22 Reputed Companies of India from various fields has participated in this JOB FAIR enthusiastically.

The college has motivated the professors as well as the students to explore the laboratory experimental test rig, to use them for the testing, consultancy and research purpose for the Industries. By this, the college will generate not only revenue, but it will enrich the experience of faculty and educate students for the real life applicability.

The college provides an environment which is not only pollution free, but is also immensely suited for the holistic growth and the development of the students. A pivotal role of education lies in shaping the personality of students into a healthy mind and happy soul, who is not only equipped with the skills and aptitude required for academic excellence but helping one face the challenges of life in a balanced and harmonious way. Therefore, the system of education should work as a catalyst in making each student a balanced human being having one's core strengths embedded in the learning experiences emanating from our rich socio-cultural roots. We are partners in learning with our students and seek to deepen their knowledge, provide enriching and innovative learning experiences, while also gently urging our students to come out of their comfort zone and attempt new challenges. The training is provided to the students such that they become globally acceptable personalities with communication skills, proper aptitude, problem solving capabilities and to work as team players.

**Dr. S. S. Patel**  
In-charge Principal

## Dynamic Management

Name of the Member	Designation in the GES	Current Position/Organization
Smt. D. Thara IAS, M.Sc(Biotech), M.A(Public Administration)	Chairperson	Vice Chairperson & Managing Director, GIDC, Gandhinagar
Shri B. C. Warli B.E Civil	Member Secretary	Director (NA) & General Manager, GIDC, Gandhinagar
Shri N. P. Vadalía B.E Civil	Member	Executive Engineer, GIDC, Surat
Dr. V. S. Purani M.E Civil, Ph. D.	Member	Joint Director, Commissioner of Technical Education, Gandhinagar
Dr. A. K. Dave B.E Mechanical, M.E, Ph. D.	Member	Ex. Director, SVNIT, Surat
CA. V. G. Desai M.Com, F.C.A.	Member	Chartered Accountant, Navsari
Dr. D. G. Naik M.A, M.Ed, Ph. D.	Member	Director, Naran Lala College Campus, Navsari
Shri Mahadevbhai Desai B.E Civil, LLB, MIE, MASCE(USA)	Member	CMD, Sthapati Designers, Navsari

## 4th International Yoga Day celebration

As per the direction received from GTU, Ahmadabad and DTE, Gujarat, college celebrated 4th International Yoga Day at the institute on 21st June, 2018. The participants were introduced the basic yoga and then they performed various types of Yogasanas. Number of participants have enthusiastically taken part in the event. Teaching faculties, Non-teaching staff including technical and supporting staff and students remained present. They took the advantages of the various types of yogas and acknowledged the health benefits of Yogas. All the participants wish to continue such healthy activity at their homes on regular basis. Prof. Harshal G. Vashi and Mr. Viral I. Patel (Network Administrator) coordinated the whole program. This tremendous program was planned in an ideal manner under the supervision of our principal Dr. S. S. Patel.



## Placement@GDEC

### Goldenmace IT Solutions

Goldenmace IT Solutions, a Software Development Company in Mumbai, Maharashtra organized campus placement for 2019 pass-out students of Computer Engineering Department on 30th June, 2018. Around 31 students have participated in this placement drive. Initially online technical test was held for all participant candidates. Then 10 students were shortlisted for the personal interview. 5 Students have been shortlisted for the final round of interview which will be held at company in the first week of July.



### Prabhakunj Developers Group

Students from Civil Engineering department has been selected and appointed as a Junior Engineer at Prabhakunj Developers Group, Navsari.

### Sona Extrusion Pvt. Ltd

Students from Mechanical Engineering department has been selected and appointed as a Trainee Assistant Manager QC at Sona Extrusion Pvt. Ltd., GIDC Kabilpore, Navsari.

#### Selected Student List

(1)PATEL PRASHANT SHAILESHKUMAR, (2)RATHOD MIHIR ARJUNBHAI

#### Selected Student List

(1)Patel Bhavik M., (2)Patel Kavankumar M., (3)Patel Ravikumar B., (4)Gajera Shyam H., (5)Vashi Tejas

## Certification course under Pradhan Mantri Kaushal Vikas Yojana(PMKVY)

GIDC Degree Engineering College has started technical courses under Pradhan Mantri Kaushal Vikas Yojana(PMKVY) to provide technical training to the society. Under this scheme college has started four courses, Field Technician – Computing and Peripherals, CNC Operator, Automotive Service Technician Level 3 and Masson General. In each course 25 students has been enrolled by the college and all those students are from outside college students. The college has successfully completed these all courses. Respective council of the course sector has arranged the exams and the students had appeared the exam. Once they will pass the exam they will be provided the certificate from respective council and govt. of India and they will be eligible for getting jobs based on that certificate.

The college has decided to opt more such courses in this scheme and applied for getting 10 courses with max intake of 25 in each for the academic year 2018-19. So the college can provide training and technical knowledge to more students of the society.

## STTP on “Pressure vessel Design, Drafting and Analysis”

Mechanical Department of GIDC Degree Engineering College, Navsari, organised one week faculty training programme sponsored by GUJCOST, Gandhinagar on “Pressure vessel Design, Drafting & Analysis with ASME BPVC Sec VIII, Div - I & II” during 30th April-4th May, 2018. This STTP presents concepts of new Pressure Vessel Design, Drafting and Analysis Code with ASME BPVC sec VIII, Div 1 & 2. In this Workshop, 29 faculties, from 7 engineering colleges of south Gujarat has participated enthusiastically. Expert lecture delivered by Dr. D. C. Patel (Associate Professor, Mechanical Department, GDEC Navsari), Dr.



C. K. Desai (Associate Professor, MED, CKPCET, Surat), D. H. PATEL (from D. H. Patel Associate on pressure vessel) and Mr. Chaitanya Purohit (NDE consultant) during this training program. The STTP was successfully organized under the chairmanship of Dr. H. S. Patil (Head & Professor, Mechanical Department) and it was coordinated by Dr. D. C. Patel and co-coordinated by Prof. Mayur R. Patel and Prof. Hariketan B. Patel.



## Workshop on Dynamic Modelling & Vector control of Electrical Drives

Prof. Bhavin S. Trivedi, Prof. Bhavesh S. Patel organized 2 days workshop on “Dynamic Modelling & Vector control of Electrical Drives” on 10th & 11th April, 2018. Expert lecture was conducted by Prof. Chetan K. Lad, who was invited from Electrical department C. K. Pithawala Engineering College, Surat. All the Pre final year students and faculty members of Electrical Engineering department participated in it.

### Consultancy Work

GIDC Degree Engineering College is in agreement with various reputed companies like Tata Consultancy Services Ltd.(TCS), NSEIT, Aptech Ltd, Ace Integrated solutions Ltd. Under this agreement Computer Engineering Department has successfully hosted online examinations at GDEC premise. Computer Engineering Department continues to play significant role to generate revenue for the GIDC Degree Engineering College. As a Test Center Administrator Ms. Archana Nayak (Head, Computer Engg. Dept.) leads a dedicated team which is well equipped to deliver quality services. The details of online exam/s held during April to June, 2018 are as mentioned below:

Name of Examination / Exam Conducting Authority	Host Company	Date/s	Candidate Count	Revenue Earned (INR)
NPCIL Online Examination	Ace Integrated solutions Ltd.	8-Jun-18	280	42952

### Industrial Visit

#### Kakrapar Atomic Power station

4th semester (2nd year) students of Electrical Engineering Department visited Kakrapar Atomic Power station on 11th April, 2018. The visit was coordinated by Prof. Bhavesh S. Patel, Prof. Rohit B. Damor and Lab assistant Apeksha Desai. During this visit they collected very important information like practical data which are not available in books and other literature. Many of doubts by students are cleared by the discussion with experts of the power station.



## Publication, Participation & Achievement

### Applied Science and Humanity Department

#### Book Publication

- Dr. Rajiv Kumar Singh published book entitled "A magnetohydrodynamics free/mixed convective flow" Publisher: Lambert Academic Publishing, ISBN: 978-613-8-27001-0

#### Paper Publication

- Dr. Shailesh S. Patel published a research paper entitled, "Singular Perturbation Solution of the Problem Viscous Fingering Phenomenon in Multifluid Immiscible Flow" in volume 5, Issue 4 (May-2018) of the International Journal of Engineering Technologies and Management Research.
- Dr. Rajiv Kumar Singh published a research paper entitled "Magnetohydrodynamic natural convection of micropolar fluid through concentric vertical annuli, 2018."@. K. Singh, T. R. Singh) in Propulsion and Power Research (Elsevier), ISSN No. 2212-540X (Communicated, April 2, 2018).
- Dr. Rajiv Kumar Singh published a research paper entitled "An Approximate Solution of Fingering Phenomenon arising in Porous Media by Successive Linearisation Method", in Proceeding: International Conference Numerical Heat Transfer and Fluid Flow, NIT Warangal, Paper No. 170002 (January 19-21, 2018)

### Automobile Engineering

#### Expert Lecture Delivered

- Prof. Kenal Tandel delivered expert talk on "Exploring RoboAnalyzer" on 8th June, 2018 in TEQIP-III sponsored Short Term Training Program on "Robotics and Control", organized by Mechanical Engineering Department, Birla Vishvakarma Mahavidyalaya Engineering College (An Autonomous Institution), V.V.Nagar

#### Workshop attended

- Prof. Mayur J. Jalanapurkar attended 5 Days Workshop on "Renewable Energy Technologies & Environmental Protection" during organized by IITRAM, Ahmadabad (An Autonomous University, Govt. of Gujarat) during 21st - 25th May 2018

#### STTP attended

- Prof. Ashish Jain, Prof. Mayur J. Jalanapurkar, Prof. Vishwas Patel, Prof. Kenal Tandel attended STTP on "Pressure Vessel design, drafting & analysis with ASME BPVC section VIII, Div 1 & 2" during 30th April- 4th May 2018, Organized by GDEC & Sponsored by GUJCOST, Gandhinagar
- Prof. Toral Patel attended STTP on "Entrepreneurship and Innovations in renewable Energy System" during 4th-9th June, 2018 organized by B & B Institute of technology Vallabh Vidhyanagar

#### Paper Publication

- Prof. Ashish Jain published a research paper entitled, "Development of Low Cost Solar Thermoelectric Air Conditioner for Fruit and vegetables Preservation" in International Conference on Engineering & Technology (ICET-18) IIERD -Explore, April 2018, Rajkot, ISBN : 9788192958031, pg no. 54-58

### Computer Engineering

#### STTP attended

- Prof. Vibhuti Patel, Prof. Tejas Patel attended 5 days STTP on "Research Application using Python" during 14th -18th May, 2018 at CGPIT under ISTE Faculty Chapter, sponsored by Uka Tarsadia University
- Prof. Kaushal Kevadia attended 5 days STTP on "Research Topics in Information Security and Privacy (RTIS&P 2018)" under the ISEA II Project during 18th -22nd June, 2018 organized by S. V. National Institute of Technology, Surat.

#### Paper Publications

- Prof. Kushal Patel, Akansha Raidas, Panthil Patel published a research paper entitled, "Online Ordinary Ticket Booking In Indian Railway & It's Challenges And Issues" by in International Journal of Engineering Development and Research, Volume 6, Issue 2 in April 2018. ISSN: 2321-9939
- Prof. Bhumika H. Patel, Prof. Vibhuti P. Patel, Prof. Tejas B. Patel published a research paper entitled, "Different Clustering Algorithms for WSN" in International Journal For Research & Development In Technology, Vol.9, Issue 6, ISSN (Online):- 2349-3585, in June, 2018.
- Prof. Vibhuti P. Patel, Prof. Tejas B. Patel, Prof. Bhumika H. Patel published a research paper entitled, "Comparison Of Software Development Life Cycle Models" in International Journal of Advance Research and Innovative Ideas in Education, Vol.4, Issue 3, ISSN (Online):- 2395-4396, in June, 2018.
- Prof. Tejas B. Patel, Prof. Bhumika H. Patel, Prof. Vibhuti P. Patel published a research paper entitled "A Study of Android Malware Detection Methodologies" in International Journal on Advance Research and Innovative Ideas in Education, Vol.4, Issue 3, ISSN (Online):- 2395-4396, in June, 2018.

- Prof. Tejas B. Patel, Prof. Bhumika H. Patel published a research paper entitled "Security in Multi-Tenant Cloud Environment" in International Journal on Advance Research and Innovative Ideas in Education, Vol.4, Issue 3, ISSN (Online):- 2395-4396, in June, 2018.

#### Webinar Attended

- Prof. Kushal Patel attended webinar on "Mindsets of Social-Emotional Learning: Part 1- The Research" organized by edweb.net and sponsored by 7 MINDSETS on 2nd May, 2018

### Electrical Engineering

#### STTP Attended

- Prof. Dhruvang Gayakwad attended 11 days STTP on "Computer Aided Techniques for Electrical Machines and Power Systems" during 11th - 21st June, 2018, organized by Department of Electrical Engineering, Sardar Vallabhbhai National Institute of Technology, (SVNIT), Surat.

#### FDP Attended

- Prof. Ketan Lad & Prof. Ankur Desai attended 5 days FDP on "Digital VLSI systems design & implementation" during 15th-19th, May 2018, organized by Department of Electrical Engineering, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat.
- Prof. Ketan Lad & Prof. Dhaval Patel attended 5 days FDP on "Digital CMOS circuits & devices" during 22th-26th, May 2018, organized by Department of Electrical Engineering, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat.

#### Paper Publications

- Prof. Rohit Damor, Prof. Ketan Lad, Prof. Dhaval Patel published a research paper entitled "Real Time Vehicle Tracking & Protection System Using Microcontroller" in International Journal of Electronics, Electrical and Computational System, ISSN 2348-117X, Volume 7, Issue 3, March 2018
- Prof. Bhavin Trivedi, Prof. Bhavesh Patel, Prof. Jay Desai, Kamlesh Sonwane published a research paper entitled "Analysis of SEPIC Converter" in International Journal Of Engineering Development & Research, (IJEDR) Impact factor = 5.67 Volume 6, Issue 2, April 2018, ISSN 2321-9939
- Prof. Ketan Lad, Prof. Dhaval Patel, Prof. Rohit Damor published a research paper entitled "Patient health monitoring system using gsm" in International Journal of Advances in Arts, Sciences and Engineering (IJOAASE), May 2018, Volume 6, Issue 13, ISSN: 2320-6144
- Prof. Dhruvang Gayakwad published a research paper entitled "Simulation of power factor correction for single & three phase load by capacitors", IJCESR, ISSN(Print) 2393 8374, ISSN(Online) 2394 0697, May 2018.

### Mechanical Engineering

#### Book Published

- Prof. Dr. H. S. Patil published a book on "Design and Structural Analysis of Multi-Speeds Helical Gear Box" in Lambert Academic Publishing; ISBN No-978-613-8-33413-2, (April 2018)

#### Paper Publications

- Prof. Hariketan B. Patel, Prof. Mayur R. Patel and Prof. Daksh R. Tandel published a research paper entitled "Design Analysis & Fabrication of Manual Rice Transplanting Machine" in Journal for Research, Volume 04 , Issue 01, March 2018, ISSN: 2395-7549.
- Prof. Mayur R. Patel and Prof. Hariketan B. Patel published a research paper entitled "Design and Development of Flexi Stool" in International Journal for Research & Development in Technology, Volume-9, Issue-4, April 2018
- Prof. Mayur R. Patel and Prof. Daksh R. Tandel published a research paper entitled "Air Multiplier with Air Cooling System" in Journal for Research, Volume 04, Issue 02, April 2018, ISSN: 2395-7549
- Prof. Daksh R. Tandel, Prof. Hariketan B. Patel and Prof. Mayur R. Patel published a research paper entitled "Development of Low Cost Solar Thermoelectric Air Conditioner for Fruit and vegetables Preservation" in IIERD International Conference Rajkot, ISBN: 9788192958031
- Prof. Harsh Naik published a research paper entitled "Design and Fabrication of Silo Level Measurement System" in International Journal for Scientific Research & Development, Vol. 6, Issue 02, 2018, ISSN (online): 2321-0613
- Prof. Harsh Naik published a research paper entitled "Implementation of 5S in Empty Cement Bag Manufacturing Industry" in International Journal for Scientific Research & Development, Vol. 6, Issue 02, 2018, ISSN (online): 2321-0613

#### STTP Attended

- Prof. Bruhad Naik, Prof. Harsh Naik, Prof. Mayur Goti, Prof. Dharmik Patel, Prof. Tarun Patel, Prof. Akash Patel, Prof. Krupal Hathiwala, Prof. Bharat Gajera and Prof. Jigar Rathod attended STTP on "Pressure vessel Design, Drafting and Analysis with ASME BPVC Sec VIII, Div 1 & 2" during 30th April to 4th May 2018, organized by Mechanical Engineering Department, GDEC, Abrama, Navsari.

## Summary of Job Fair 2018

Organization	Department	No. of Student Register	No. of Shortlisted Candidate	Selected Student
Maxxis Rubber India (P) Limited	Electrical Engineering/ Mechanical Engineering	203	14	1. Jerin Johnson 2. Harsh Rana 3. Jenil Soni 4. Parth Pandya 5. Mayur Prajapati
SUN TEKNOVATION PVT. LTD, Gandhinagar	Mechanical Engineering/ Computer Science & Engineering/MCA/M.Sc.(IT)	64	14	1. Bhoomik Kubadia
Flexpro Electricals pvt. Ltd.	Electrical Engineering/ Mechanical Engineering	14	12	1. Hirenkumar Solanki
Bcatalyst Inc.	Computer Science & Engineering	10	5	1. Vishal Rami 2. Hardik Patel
Nebula, Prahladnagar, Ahmedabad	Civil Engineering	33	14	Result Awaiting
KCT Consultancy, Gota, Ahmedabad	Civil Engineering	33	19	Result Awaiting
Zresthrine Technologies, Navsari	Computer Science & Engineering	20	9	Result Awaiting
Pulse Technologies	Electrical Engineering/ Electronics and Communication Eng.	46	17	1. Dhruvirkumar Rana 2. Sharad Patel 3. Vatsal Patel
Simba Infotech, Surat	Computer Science & Engineering/MCA/M.Sc. (IT)	24	11	Result Awaiting
Vmukti Solutions, Ahmedabad	Computer Science & Engg./ Electronics and Communication Engineering	15	10	1. Miraj Bhavsar 2. Ankit Mishra
Soft Touch Interactive Systems, Surat	Electrical Engineering/ Electronics and Communication Eng.	77	3	Result Awaiting
VCerp, Ahmedabad	Computer Science & Engineering/MCA/M.Sc. (IT)	14	11	Result Awaiting
Navkar Software, Surat	Computer Science & Engineering	24	4	1. Akanksha Desai 2. Parth Dalwadi 3. Ankit Mishra
Antim Technologies, Surat	Computer Science & Engineering/ Electrical Engineering	34	8	1. NILAY BAROT
Reliance Life Insurance	Civil Engineering/ Computer Science & Engineering	5	2	1. Mansi Kapadia 2. Rajesh Goswami
Theis, Navsari	Mechanical Engineering/ Automobile Engineering	100	26	Result Awaiting
HLE Engineering, Navsari	Mechanical Engineering/ Automobile Engineering	99	Result Awaiting	Result Awaiting
Transit Electronics, Surat	Electrical Engineering	81	Result Awaiting	Result Awaiting
ICICI Prudential Co. Limited, Surat	All Branch	31	Result Awaiting	Result Awaiting
Hilti, Navsari	Mechanical Engineering	90	Result Awaiting	Result Awaiting
BNPrecast, Ahmedabad	Civil Engineering	38	3	1. Prashant S. Patel 2. Shahrukhkhan Pathan 3. Chirag Nakum