



## G H Patel College of Engineering & Technology Mechanical Engineering Department

News Letter: 2018 – 19, Issue 01



### *From Department Head*

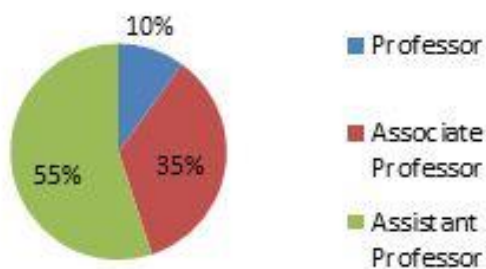
This is a happy moment for us to release this issue (2018/19 issue 01) of department e-newsletter. This issue contains details of academic year 2018/19 odd semester. This semester has two notable events for academic fraternity as well as entire engineering community – Teachers' Day on 5<sup>th</sup> September and Engineers' Day on 15<sup>th</sup> September. We all pay tribute to our great leaders, teachers and engineers, Dr. Sarvepalli Radhakrishnan and Sir M. Visvesvaraya.

I happy to share that this issue contains a "Thank you" e-mail received from one of our esteemed alumnae, **Mr. Shilpin Shah (2008 entry batch)**. Few lines about memories in GCET by another esteemed alumnae **Mr. Varun R. Jarsania (2012 entry batch)** is also one of the cheerful features of this issue.

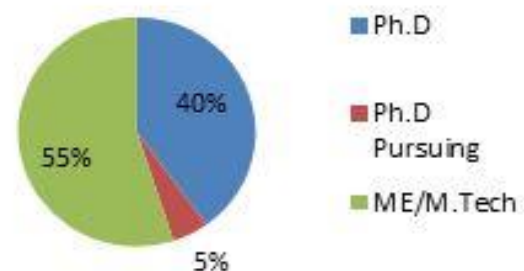
I earnestly invite all our alumnae to contribute to this newsletter in terms of technical and/or general articles/updates/informative stuff and your journey in GCET and so far.

## Department Updates

### Faculty cadre



### Faculty Qualification



## Research Methodology Workshop

A one-day hands-on workshop was organized by the GCET ASME STUDENT SECTION on the topic of, 'RESEARCH METHODOLOGY' specifically for 3rd and 4th year as well as Post Graduate students. Research is a much underrated part of engineering and the interest of students for it is slowly diminishing. So, this workshop was arranged so as to help inculcate a culture of research among students and also to guide them on how to proceed with it.



## One Day Workshop on Innovation & Start-up in Mechanical Engineering

One Day Workshop on Innovation & Start-up in Mechanical Engineering was organized by Mechanical Engineering Department under auspices of Student Start-up and Innovative Policy (SSIP) on 11th September, 2018. This workshop gave insight to students about entrepreneurship through innovation in the Mechanical Engineering. This was an initiative to motivate students towards start-up and innovation. Mr. Kaushar Barad – Owner of Techno goods Enterprise and Prof. (Dr.) D. V. Bhatt – Professor and Head SVNIT – Surat motivated the students. During this one day workshop three events was organized.

### Event 1

**Talk on Scope of Start-up in Mechanical Engineering by Mr. Kaushar Barad – Owner of Techno goods Enterprise.**

Mr. Kaushar Barad has established his own start-up and he is successful entrepreneur. In the talk students were guided for the procedure of establishing start-up. Qualities required to be successful entrepreneur and difficulties likely to be come on the way of start-up were discussed. Students were motivated to have their own start-up after graduation.



## **Event 2**

### **Talk on Innovation in Mechanical Engineering by Prof. (Dr.) D. V. Bhatt – Professor and Head SVNIT – Surat**

Dr. Bhatt has 38 years of experience including 12 years of industrial experience. In the talk he motivated students to work differently to survive and growth in professional career. He defined the word “Innovation” and elaborates it. Different models of innovations were discussed. Scopes of innovations in different applications related to Mechanical Engineering were discussed in detail. Students were motivated to be job creator instead of job seeker.



## **Event 3**

### **Poster making competition on the theme of “Innovative Product for Start-up”**

In this event students had to prepare poster using drawing/painting tools on the product they like. They had to prove innovation in their proposed product along with suitability of start-up. Prof. (Dr.) D. V. Bhatt – Prof & Head-SVNIT, Prof.(Dr.) Darshak Desai and Dr. Manan Desai were evaluator.



## Engineer's Day Celebration: EXODIA - 18

ASME Student Section of G. H. Patel College of Engineering & Technology organizes a mini tech-fest EXODIA every year. The idea behind it is to celebrate the advances in technology due to constant contribution by the engineering community. It aims at bringing together all engineers to do what they do best: apply the skills learned. Dr. Sohil Pandya, Head-MCA Dept., SVIT, Vasad was invited to share his expertise and knowledge on the theme topic.

In this instalment of EXODIA i.e. EXODIA'18 also there were various events that tested the skills of all participants helping them become a complete engineer. All events had been kept in mind taking into account their uniqueness, the things to learn and the factor of fun.





## Student's Achievement

### 1. Clearing NPTEL exam with *Gold and Elite* Grades...



PATEL IKRAM AIYUB VALIBHAI DAUD  
(150110119074)  
in Fundamentals of Surface Engineering (**93%**)  
**Elite + Gold** - Topper of 1% in this course



SHAH PRIT DEVENDRAKUMAR (150110119103)  
in Fundamentals of Laws of Thermodynamics  
(**90%**)  
**Elite + Gold** - Topper of 1% in this course



RANA JATAN NAHUSHKUMAR(160110119090)  
in Structural Analysis of Nanomaterials (84%)  
- Topper of 2% in this course



SIDDHANT MEGHRAJ SAPATE (170110119100)  
in Fundamentals of Laws of Thermodynamics  
(**83%**)  
- **Topper of 5% in this course**



SUMEET MANOHAR JOSHI (150110119043)  
in Introduction to Abrasive Machining and  
Finishing Processes. (**74%**) - **Topper of 5% in  
this course**



**SIDDHARTH NILESH JOSHI (150110119041)**  
in Robotics (80%)



**GAJJAR DHRUVIN NIKHILKUMAR**  
**(140110119018)**  
in Design Practice II (78%)



**RUDRA RAKESH PATEL (150110119084)**  
in Robotics (78%)



**KUKADIYA KAUSHIKBHAI VINESHBHAI**  
**(150110119053)**  
in Computational Fluid Dynamics (83%)



**GANDHI JAINAM UDAY (160110119026)**  
in Developing Soft Skills and Personality (71%)



**JINESH ATULBHAI SHAH (160110119101)**  
in Robotics (64%)



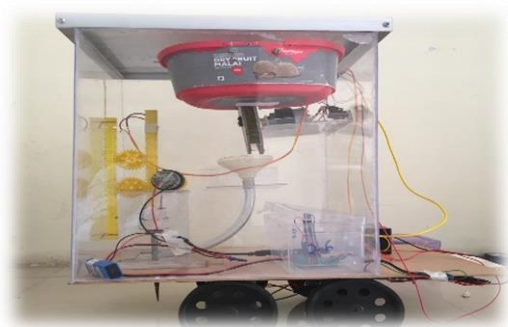
**DHANVIN UTKARSH YAJNIK (170110119125)**  
in English Language for Competitive Exams  
(63%)

2.

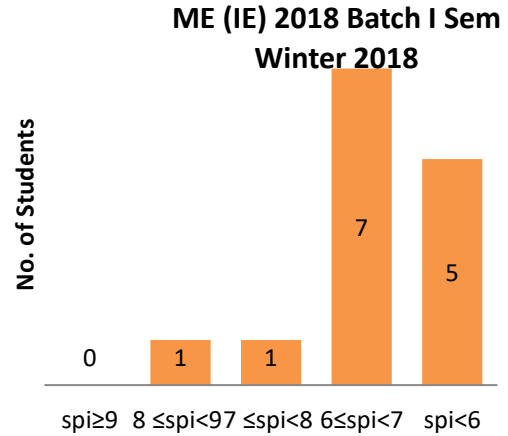
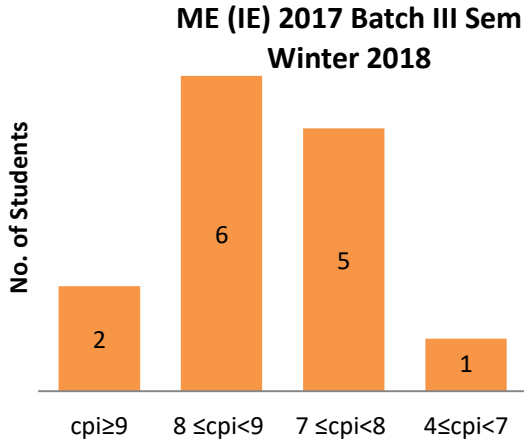
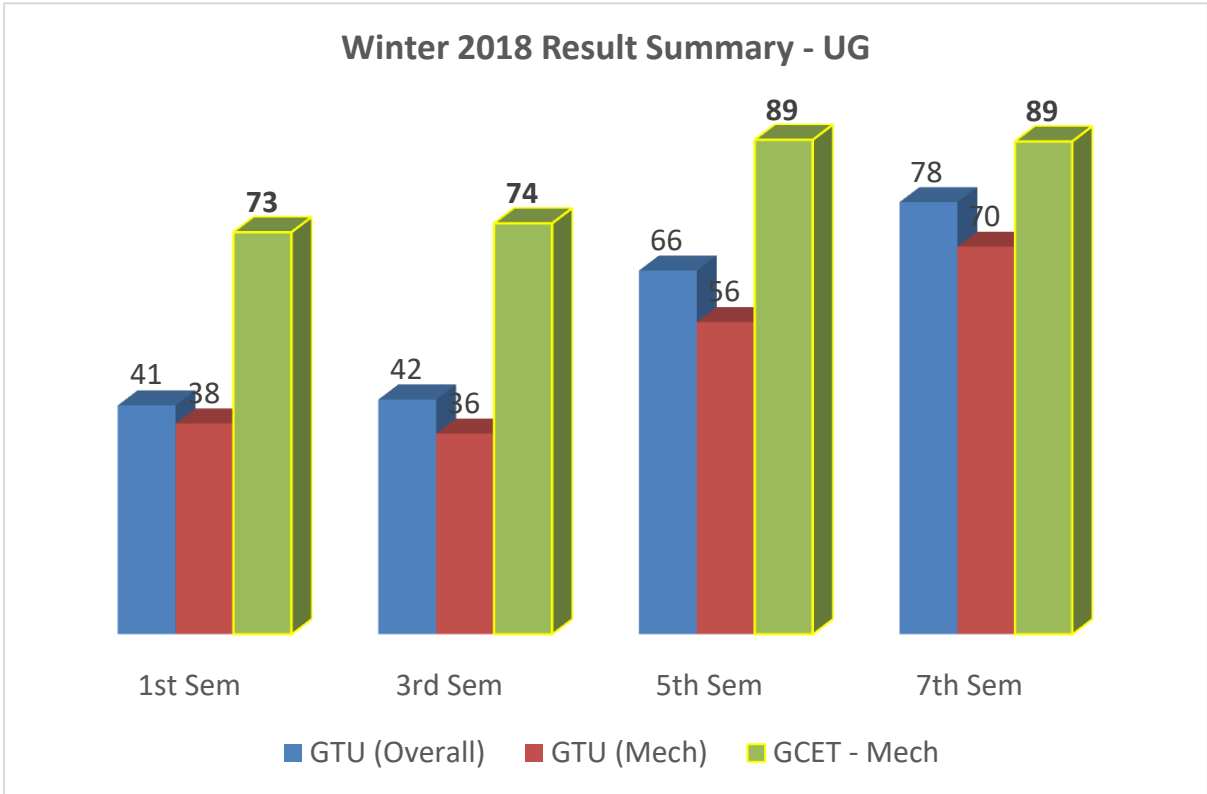


**DAS SAGARIKA BIBHUTILAL**  
(170110119015) secure 10 SPI and Overall  
5<sup>th</sup> in GTU (SPI) in Summer 2018 University  
Exam.

3. Anveshan (University Level Model Making Competition) was organized by Communication Science Centre- Vallabh Vidyanagar on 6<sup>th</sup> December 2018. UG and PG level students of various colleges participated in this event. 1<sup>st</sup> semester students, Mechanical department of GCET College participated in it and all the three teams won the prizes.



# Result Analysis



**Desai Trushant Darshakbhai**  
 of ME (Industrial Engg.)  
 Overall 9<sup>th</sup> in GTU across all PG programs and  
 1<sup>st</sup> in institute across all PG programs in  
 III Semester examination – Winter 2018

## Industrial Visits

| Sr. No | Date                        | Plant  | Students    | Faculty                                      |
|--------|-----------------------------|--|-------------|--|
| 1      | 12 <sup>th</sup> Sept. 2018 | Banco Products (India Limited)<br>Vadodara     | Third Year  | Prof. Jvalant Trivedi<br>Prof. Purnank Bhatt |
| 2      | 1 <sup>st</sup> August 2018 | Gujarat Technocasting Pvt. Ltd,<br>Gandhinagar | Third Year  | Prof. Sankalp Kulkarni<br>Prof. Afzal Alad   |
| 3      | 1 <sup>st</sup> August 2018 | Loya Equipments Ltd,<br>Gandhinagar            | Third Year  | Prof. Sankalp Kulkarni<br>Prof. Afzal Alad   |
| 4      | 20 <sup>th</sup> July 2018  | Rolex Rings Pvt. Ltd, Rajkot                   | Fourth Year | Prof. Afzal Alad<br>Prof. Ravi Rathod        |
| 5      | 20 <sup>th</sup> July 2018  | Icon Industries, Rajkot                        | Fourth Year | Prof. Afzal Alad<br>Prof. Ravi Rathod        |
| 6      | 12 <sup>th</sup> July 2018  | Dhuvaran Power Plant,<br>Khambhat, Anand       | Fourth Year | Prof. Sankalp Kulkarni<br>Dr. Manan Desai    |

## Placement Details

| SR No | Name of the Company            | Number of Students Placed |
|-------|--------------------------------|---------------------------|
| 1     | Infosys                        | 08                        |
| 2     | Quanta Process                 | 01                        |
| 3     | TCS                            | 01                        |
| 4     | Hi-Fab Engineers Pvt. Ltd      | 04                        |
| 5     | Chola People Services Pvt. Ltd | 03                        |
|       | Total                          | 17                        |

\*Placement data till December 2018

## From our esteemed alumnae...

**Shilpin Shah**  
**BE Mechanical-GCET(Entry Batch 2008),**  
**MBA-NMIMS, Six Sigma BB**



(Email received on Wednesday, 19<sup>th</sup> December 2018)

Dear Sir,

*It has been long since I was wanting to write this email & I have reached a conclusion that there can be no better time.*

*Although it's been more than 6 years that I left GCET, memories are still fresh and I am pretty sure they will remain the same throughout my life.*

*I firmly believe that whatever I am today is only because of following people in my life:*

*My parents  
My teachers*

*While God has given me abundant chance to thank my parents, I have not been able to thank my teachers sufficiently.*

*You have been a true Guru to me in every sense, I grew from an immature 18-year-old to a professional engineer in your presence & I can't thank you enough for the kind of guidance & environment you created for not only me but the entire GCET fraternity at large.*

*I never wanted to get into technical bend of things & it was you who opened up the aspects of industrial management to me, I would not have been a six sigma black belt without your inspiration, today 5S, 6-sigma, TPM, TQM, JIT, Kanban & whole lot of management strategies seem relevant & interesting to me only because you planted the seeds & nurtured them to become the plant that has fructified and has shaped my career & personality to a large extent.*

*Today I head supply chain for a 3-year-old start-up & am responsible for spend of 600 million annually , my journey has been amazing & I have grown more than I could have imagined and I realize that it would not have been possible without the character I was made of by able guidance of mentors like you.*

*There is no way I could thank you sufficiently, however I want my Alma-mater to reach heights of glory & would love to help GCET in any fashion I can.*

*Thank you, Sir, once again.*

*Br's  
Shilpin Shah  
BE Mechanical-GCET , MBA-NMIMS  
Six Sigma BB  
(+91) 8238-04-8647  
(+91) 9428-38-3540*



**Varun R. Jarsania**  
**(Mechanical Engineering; Batch: 2012-2016)**

What the college has given me? – Everything. I have learned much more than technical knowledge. Attitude, life skills, communication skill – one can grasp everything, thanks to the good blend of professors. Not only faculty but the workshop people are very helpful especially during the final year project model preparation. Ranging from cultural events to technical events like IMAZE, I was given a chance to participate as well as organize. I was also given the opportunity to head the GCET Social committee. Apart from these college gave the opportunity to be part of ASME, ISTE etc. and take advantage of the same. All these things contributed and as a result of which I got **selected in L&T**. Memories of these 4 years was one of the best chapter of my life. Six Sigma yellow belt training and certification provided by our HOD Dr. Darshak Desai (who is himself a six sigma black belt certified) – added weightage to my CV. It gave me an added advantage during my Interview round of **SIOM Nashik** and got me selected; where I am going to pursue **MBA Operations Management (2019-2021)**.

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