



**GEETANJALI INSTITUTE OF TECHNICAL STUDIES**  
*An ISO 9001:2008 Certified Institution* Affiliated to RTU

*www.gits.ac.in*

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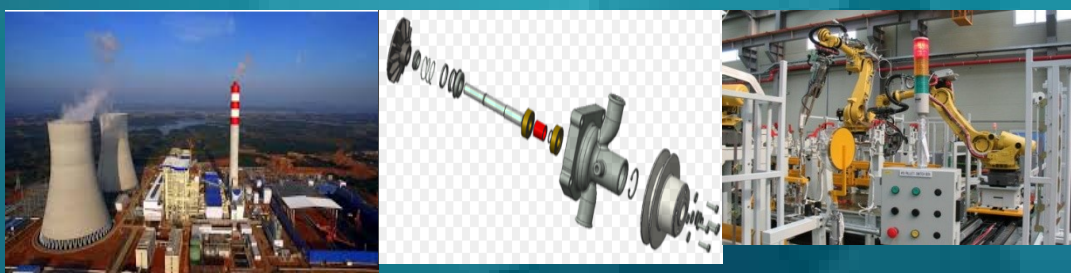
**Department of Mechanical Engineering**



**New Letter**

***MECHNOBLAZE***

**Vol. 1, Issue No.1 (July 2017-December 2017)**



**Department Core Team:** we bring ideas to life

**Mr. Vishnu Agrawal**

Head of Department



**Mr. Vijayendra Sankhla**



**Mr. Mukesh Lohar**



**Mr. Saurabh Tege**



**Mr. Lokesh Sharma**



**Mr. K S Rahi**



**Mr. Zuber Khan**



**Mr. Mahendra Salvi**



**Mr. Narendra Patel**



**Ms. Deepti Mehta**



**Mr. Preetam Singh Sankhla**



**Mr. Udai Singh Chauhan**



**Mr. L N Barber**



**Mr. Mohit Choubisa**

## **DEPARTMENT VISION**

To impart comprehensive engineering education that enables the students to become innovative, research-oriented and successful entrepreneur to cater the needs of the society.

## **DEPARTMENT MISSION**

- ❖ To inculcate fundamental understanding and knowledge of mechanical engineering within the students which enhances their technical skills and ability to create, innovate and supply improved technologies to the society.
- ❖ To collaborate with Industries with a focus on producing trained and research oriented manpower capable to provide need based solutions precisely at the inception of career.

# DEPARTMENT OF MECHANICAL ENGINEERING

Session 17-18

Mechanical  
2<sup>nd</sup> year

## Class Advisor

**Mr. Khajan Singh Rahi**

## Mentor Group -1

**Mr. Khajan Singh Rahi**

(Roll No: 16ENGIME001 to 16EGIME028)

## Mentor Group -2

**Mr. Lokesh Sharma**

Roll No: 16ENGIME029 to 16EGIME053+D2D)

Mechanical  
3<sup>rd</sup> year

## Class Advisor

**Mr. Mahendrs Salvi**

## Mentor Group -1

**Mr. Mahendra Salvi**

(Roll No: 15ENGIME001 to 15EGIME060)

## Mentor Group -2

**Mr. Preetam S Sankhla**

(Roll No: 15ENGIME061 to 16EGIME0122+D2D)

Mechanical  
4<sup>th</sup> year

## Section -A

## Class Advisor

**Ms. Surbhi Mishra**

## Mentor Group -1

**Ms. Surbhi Mishra**

(Roll No: 14ENGIME001 to 14EGIME028)

## Mentor Group -2

**Mr. RamdayalKumawat**

(Roll No: 14ENGIME029 to 14EGIME062)

## Section -B

## Class Advisor

**Md. Zuber Khan**

## Mentor Group -1

**Mr. Zuber Khan**

(Roll No: 14ENGIME063 to 14EGIME092)

## Mentor Group -2

**Mr. Udai Singh Chouhan**

(Roll No: 14ENGIME093 to 16EGIME207)

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## Editorial Team

**Vishnu Agrawal**

(HOD, ME)

**Narendra Patel**

(Asst, Prof., ME)

## **From HOD's Desk**

Greetings to faculties and friends!

It gives an immense pleasure to congratulate editorial team of newsletter of our department for encapsulating semester activities of session 2017-2018.

This news letter contains various extracurricular activities conducted successfully by Mechanical Engineering department during last semester like workshops, faculty development programs, guest/expert lectures etc. Several industrial visits were conducted by the department to help students in gaining hands-on experience of “how industry operations are executed”.

Achievements of students who have given splendid performance and have heaped laurels upon the department are also covered.

The department feels very proud to release the first issue and believe that this is the right media through which the departmental activities can put forward.

## **From Editor's Desk**

Greetings to faculties, students and friends!

It gives me an immense pleasure in bringing out this issue of our Departmental Newsletter [2017-18, Vol. 01, Issue No. 01] under the leadership of Our Hon. Director Dr. Vikas Misra and Vice-Principal Dr. P. C. Bapna.

I take this opportunity to thank the Director, Vice-Principal, Our H.O.D, editorial team and all other staff members, for their continuous cooperation and support in publishing this newsletter.

I hope that this newsletter shall provide a brief report of all activities conducted by staff and students of mechanical engineering department during this semester.

### **SOME INTERESTING FACTS THAT MECHANICAL ENGINEERS KNOW**

#### **Can we cut a metal with water?**

Water can be mixed with abrasive particles and used as a jet under high pressure to cut a wide variety of materials like metals, rubber, granite, wood etc. This is called water jet cutting. And the jet is called an abrasive jet.

#### **Why we call the 'Spare wheel' as 'Stepney'?**

The word 'stepney' is quite common in India, It is the name of the street in Wales, UK. A mechanic in the street of “Stepney” in the town of “Llanelly” was the first to provide the ready to use spare wheels. The product began to referred the street name where they were produced, when british invaded here it became term of spare wheel.



## ***Departmental Activities***

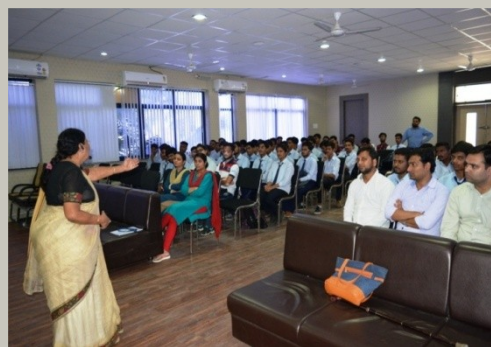
### **Mind and Memory Session by Mr. Naveen Agarwal (20 September 2017)**

Mind, memory and motivation session conducted by Mr. Naveen Agarwal 20<sup>th</sup> September 2017. Mr. Agarwal tried to unlock the potential of mind, improve memory and suggested to stay motivated in every aspect of life. He insisted that whatever be a goal in life, our Mind, Memory & Motivation shall always head towards the successful life as per desires.



### **Motivational Session by Mrs. Geeta Desai (20 September 2017)**

Motivational session was conducted by Mrs. Geeta Desai from Prassana ashram Mumbai 20<sup>th</sup> September 2017. It was aimed to inculcate valuable life tools for successful living. Youth were taught to organize their minds, so that they can learn how to deal with work pressure, peer pressure, build healthy relationships among many others.



### **Energy” (13-17 Nov 2017 Workshop)**

This five days workshop, organized by the department, helped the participants to understand the process to secure renewable energy and clean energy in a cost-effective manner; its implementation challenges and how to overcome them and develop a specific road-map to move its applicability forward. The workshop unveiled the potential of transition energy based on fossil fuels to a more sustainable energy form. GITS Director Dr. Vikas Misra conveyed that the energy system of the future will have to rely on renewable energy sources. The main motive of the said workshop is too made known to forth coming Engineers regarding new technology and to introduce the audience to the Renewable energy & Clean Energy and its Opportunities. The workshop was conducted under the supervision of Mr. Vishnu Agarwal , HOD-ME.



### **Faculty Development Programme on “Renewable energy & Clean Energy” (13-17Nov 2017 Workshop)**

This five days workshop, organized by the department, helped the participants to understand the process to secure renewable energy and clean energy in a cost-effective manner; its implementation challenges and how to overcome them and develop a specific road-map to move its applicability forward. The workshop unveiled the potential of transition energy based on fossil fuels to a more sustainable energy form. GITS Director Dr. Vikas Misra conveyed that The energy system of the future will have to rely on renewable energy sources. the main motive of the said workshop is too made known to forth coming Engineers regarding new technology and to introduce the audience to the Renewable energy & Clean Energy and its Opportunities. The workshop was conducted under the supervision of Mr.Vishnu Agarwal , HOD-ME.



### **Faculty Development Programme on “Curricula Development” (4-5 Dec 2017 Workshop)**



Department of Mechanical Engineering, GITS, Udaipur organized five days National workshop on Curricula Development. During workshop participants discovered the breaking of the curriculum framework into different categories and development of up-to-date curriculum plans. GITS Director Dr. Vikas Misra motivated the participants and pointed out that Curriculum should include suitable knowledge which can help in the achievement of aims of education. The five days workshop





was conducted under the supervision of Mr. Vishnu Agarwal , HOD-ME.



*“Develop a passion for learning. If you do, you will never cease to grow.”*

*– Anthony J. D’Angelo*



## Industrial Visits

S.No	About Industry	Details of Industrial Visit	Glimpse
1	Nuclear Power Corporation Limited, Rawatbhata is a Public Sector Enterprise under the administrative control of the Department of Atomic Energy (DAE), Government of India.	Industrial tour was conducted on 11-10-2017 at NPCL, Rawatbhata, It is about 360 km from GITS. III and II year students of Mechanical Engineering. 126 students of III year and 2 students of II year i.e. total 128 students visited the plant along with two faculties Mr. Zuber Khan and Mr. Khajan Singh Rahi.	
2	Kota Super Thermal Power plant is the first coal based Electricity Generating Power Plant in Rajasthan. At present the total installed capacity of KSTPS is 1240MW.	The same group of III year and II year i.e. 128 students on the next day "12-10-2017" visited KSTPP, Kota. It is about 300 km from GITS along with two faculties Mr. Zuber Khan and Mr. Khajan Singh Rahi. Here, students saw seven units of different power capacities and understood the theoretical concepts through practical exposure.	
3	Vidisha pipe Moulding:	Industrial tour was conducted on August at VPM, Udaipur. It is about 20 km from GITS. III and II year students (total 90 students) of Mechanical Engineering visited the Industry with two faculties Mr. Zuber Khan and Mr. Indresh Shah.	
4	BSES:	Industrial tour conducted on September at BSES, Udaipur about 20 km from GITS by III and II year students of Mechanical Engineering. 90 students visited / participated along with two faculties Mr. Zuber Khan and Mr. Indresh Shah.	

5	Roll Jack Crushers is a leading manufacturers of Crushing, plant equipments, Gangsaw, pump, Granite cutter etc.	Industrial tour was conducted on 27-09-2017 at RJC, Udaipur which is about 20 km from GITS. III year students of Mechanical Engineering visited the plant with two faculties Mr. Zuber Khan and Mr. Indresh Shah.	
6	SARAS Dairy	Industrial tour conducted on 28-09-2017 at Saras dairy, Udaipur about 30 km from GITS by III year students of Mechanical Engineering. 50 students visited / participated along with two faculties Mr. Zuber Khan and Mr. Mohit Choubisa.	

### *Students' Achievements*

#### OUR TOPPERS

**Bhupender Paliwal (B.Tech Mechanical) secured 7<sup>th</sup> Rank in RTU**



### VIII SEM RESULT ANALYSIS (JUNE 2017)

Sr. No	Student Name	Roll no	Percentage
1	BHUPENDRA PALIWAL	13EGIME023	84.70
2	ARJUN SINGH YADAV	13EGIME012	84.00
3	ANKIT PAREEK	13EGIME009	83.33

### IV SEM RESULT ANALYSIS (JUNE 2017)

Sr. No	Student Name	Roll no	Percentage
1	Aditya Pratap Singh	<b>16EGIME004</b>	<b>79.12</b>
2	Rahul patel	<b>16EGIME094</b>	<b>78.10</b>
3	Ketan Darji	<b>16EGIME053</b>	<b>75.20</b>



## VI SEM RESULT ANALYSIS (JUNE 2017)

Sr. No	Student Name	Roll no	Percentage
1	Mukesh Kumar Prajapat	14EGIME077	77.8
2	Vikas Audichya	14EGIME118	77.1
3	Ashok Prajapat	14EGIME018	76.8

### Students training about Solid works/ AutoCAD

1. AUTOCAD for 2<sup>nd</sup> year students in September 2017
2. SOLIDWORKS for 3<sup>rd</sup> and 4<sup>th</sup> year students in September 2017


### Participation in Cultural events

Position in cultural events: **Inter college level events held in 2017-18**

S.No.	Roll Number	Name	Activity	Rank
1	14EGIME110	Subham Sharma	Dance	I
			Solo dance	II
			Photography	III
			Quadcopter	I
2	16EGIME207	Yogesh Joshi	Old college event	I

### Placements of our students

Name of Company		Company Logo	Number of Selections
HITECH SOLUTION			2 students got opportunity
SN.	Name	Roll Number	
1	Tarun Nalvaya	14EGIME115	
2	Pratinav Joshi	14EGIME090	

Name of Company		Company Logo	Number of Selections
PHOSPHATE LIMITED			2 students got opportunity
SN.	Name	Roll Number	
1	Narendra Singh Deora	14EGIME078	
2	Yogendra Singh Rao	14EGIME125	

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Name of Company	Company Logo	Number of Selections
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<b>1. <u>SSR Logistics &amp; Transporters</u></b>		1 students got opportunity
SN.	Name	Roll Number
1	Nikhil Pandey	14EGIME084

CHAITANYA MINERALS			4 students got opportunity
SN.	Name	Roll Number	
1	Jitendra Panchal	13EGIME055	
2	SumitPanwar	13EGIME117	
3	Pavan Mali	14EGIME087	
4	YugalKishor Rao	14EGIME126	



## GEETANJALI INSTITUTE OF TECHNICAL STUDIES

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