



GEETANJALI INSTITUTE OF TECHNICAL STUDIES

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Department of Mechanical Engineering

News Letter

MECHNOBLAZE

Vol. 2, Issue No.I (January 2018-June 2018)





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.

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Editorial Team:

Narendra Patel

(Asst, Prof., ME)

Deepti Mehta

(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 even semester activities of session 2017-2018.

This newsletter contains coverage of successfully taken up activities by the faculties and students of Mechanical Engineering department during the even semester. During this period, our students have participated in various academic and sports events and secured positions at various levels. Few industrial visits were also organized and conducted to give students industrial exposure.

The department feels very proud to release the second issue to put forward a report of activities took place in the department during the second half of academic session 2017-18.

From Editor's Desk

Greetings to faculties, students and friends!

It gives me an immense pleasure in bringing out the next issue of our Departmental Newsletter“ MECHNOBLAZE [2017-18, Vol. 01, Issue No. 02] 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.

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DEPARTMENTAL ACTIVITIES

Faculty Development Programme on “MAT LAB”

(22-26Jan 2018 Workshop by NITTTR)

Five days workshop was conducted on fundamentals of MATLAB by department of Mechanical Engineering, GITS, Udaipur.

Participants understood the application of MATLAB in solving engineering and scientific problems. GITS Director Dr. Vikas Misra conveyed that MATLAB has become an integral and accepted part of academics and the demand of this software tool is increasing day by day. The five day workshop from 22nd to 26th January, 2018 attended by various Faculty Members of GITS comprised demonstration and explanation of various options and techniques offered by MATLAB. The workshop was conducted under the supervision of Mr. Vishnu Agarwal , HOD-ME.



Faculty Development Programme on “Automation in PLC”



(15-19Jan 2018 Workshop)



Five days workshop was conducted on Automation in PLC by department of Mechanical Engineering, GITS, Udaipur. The main objective of this workshop was to make the participants acquainted with the conceptual as well as practical knowledge of the Industrial Automation & latest technologies being used to achieve industrial automation through PLC. Contents of Workshop were delivered and introduce the audience to the Automation in PLC and its Opportunities. GITS Director Dr. Vikas Misra said that automation is basically the delegation of human control function to technical equipment. The five days workshop

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

“Anyone who stops learning is old, whether 20 or 80, anyone who keeps learning stays young. The greatest thing in life is to keep your mind young.” – **Henry Ford**

1	J K Laxmi Cement, Sirohi, an eminent industrial house, with operations in India and abroad and having a leadership presence in the field of cement.	Industrial tour conducted on 15 to 17-01-2018 for three days at JKLC, Sirohi. The plant is about 150 km from GITS. IV year students of Mechanical Engineering visited the Industry along with faculty Mr. Narendra Patel.	<i>In coordination with Thermax</i> 
2	India Cement Banswara is amongst India's leading manufacturers and supplier of cement.	Industrial tour conducted on 15 to 17-01-2018 for three days at IC, Banswara. It is about 165 km from GITS. IV year students of Mechanical Engineering while visiting the plant along with faculty Mr. Vijayendra Singh Sankhla understood the process of cement manufacturing.	<i>In coordination with Thermax</i> 

Students' Achievements

“FEATHEX- ELECTRIC SOLAR CAR BY TEAM PALATIAL GITS”

B.Tech – Students of Final Year and Third Year studying in Geetanjali Institute of Technical Studies, Dabok-Udaipur, of MECHANICAL, AUTOMOBILE AND ELECTRICAL BRANCH have designed and fabricated ELECTRIC SOLAR CAR “FEATHEX” which participated in Asia’s biggest electric solar championship ESVC-2018 under the banner of ISIE, India held at BHIMAVARAM, ANDHRA PRADESH from 27th march, 2018-2nd april, 2018

Team “palatial Gits” had 40 number of students who had worked very hard under the guidance of Ms. DEEPTI KHATRI (project Incharge) and Mr. NAVNEET MISHRA (faculty Advisor) for this project.

ACHIEVEMENTS: The team got 1st rank in RAJASTHAN, 2nd Rank in NORTHERN INDIA ZONE and 5th rank NATION WIDE out of 76 teams from various top Engineering colleges and universities of India such as NIT’S. SRM



CHENNAI, GALGOTIA, LPU etc.

AWARDS WON: The team is facilitated by “ISIE Future Award: Adventure Class with 50,000 worth prize money from Tech Imperial Group for their performance in championship. Our team PALATIAL GITS was also the runner’s –up for ACCELERATION TEST during various tests in championship.

TECHNICAL SPECIFICATIONS:

- This is an electric solar car , which has maximum speed of 45 kmph with tremendous pick-up after one-time full charge, it takes about 3 hours for the car to be fully charged by electricity and 6 hours by solar
- **Solar panel:** Our Solar Car is powered by mounting solar panel manufactured by Waaree of Merlin Technology and it is based on Flexible Solar thin film panel on top of the existing roof or using a PV panel as the roof itself. A controller converts the sun's energy to charge the solar car 48-volt battery bank.

- Battery capacity – 80AH (Dry lead acid)
- Motor construction – LBC05 2000watt DC Motor
- Brakes – Disc Brake
- Turning Radius – 4.5m
- Tire- 12"
- Driving Range – 90 KM
- Gradability Performance – 10 Degree
- Speed – 45 KMPH
- Charging time -2hrs 20 min(electricity),6-8 hrs (solar)



ADVANTAGES:

The car was prepared to motivate students to work in the field of Green Energy and eco-friendly technology.

- Reduced energy cost
- Reduced Less Noise
- Utilizing Unlimited Source of energy of sun
- Future of Green Energy
- Environment Friendly

Academic Toppers; Highest marks obtained in RTU exams



Vth semester (April 2018) –

S.No.	Roll Number	Name	% marks	Rank
1	15EGIME053	Ketan Dargi	79.1%	I
2	15EGIME094	Rahul Patel	78.7%	II
3	15EGIME054	Kostubh Vyas	78.6%	III

VIIth semester (13 March 2018)

S.No.	Roll Number	Name	% marks	Rank
1	14EGIME018	Ashok Prajapat	75.1%	I
2	14EGIME118	Vikash Audichya	73.7%	II
3	14EGIME058	Kushal Joshi	72.4%	III
4	14EGIME077	Mukesh Kumar Prajapat	72.4%	III

III Semester (25 April 2018)

S.No.	Roll Number	Name	% marks	Rank
1	16EGIME022	Kunal Dhaiya	70%	I

2	16EGIME020	Koushlendra Pal	69.10%	II
3	16EGIME031	Piyush Jain	68.20%	III

VIII SEMESTER (25 JUNE,2018)

S.No.	Roll Number	Name	% marks	Rank
1	14EGIME018	Ashok Prajapat	82.50	I
2	14EGIME058	Kushal Joshi	81.11	II
3	14EGIME080	Naresh Suthan	79.50	III

Sports Achievement (2017-2018)



S.N.	STUDENT' NAME	YEAR	Organizing College/ University	TOURNAMENT	GAMES	PRIZE
1	Aadil Javed	I Year	Singhanian University	All India Sports Meet	Volleyball	Winner
2	Koushlendra Singh	II Year	Singhanian University	All India Sports Meet	Volleyball	Winner
3	Vijay Prajapat	II Year	Singhanian University	All India Sports Meet	Volleyball	Winner
4	Sidharth Kerodiya	II Year	Singhanian University	All India Sports Meet	Volleyball	Winner
5	Aadil Javed	I Year	Sangam University	La Union sports fest	Volleyball	Winner
6	Aashiq Mohammad	II Year	Sangam University	La Union sports fest	Volleyball	Winner
7	Mahesh Pratap singh chouhan	IV Year	Singhanian University	All India Sports Meet	Cricket	Runner up
8	Pratinav Joshi	IV Year	Singhanian University	All India Sports Meet	Cricket	Runner up
9	Kunal Daiya	II Year	Singhanian University	All India Sports Meet	Cricket	Runner up
10	Lokendra Pratap singh khinchi	IV Year	Singhanian University	All India Sports Meet	Cricket	Runner up
11	Divyansh Gayri	IV Year	Singhanian University	All India Sports Meet	Cricket	Runner up

12	Mukul suthar	I Year	Singhanian University	All India Sports Meet	Cricket	Runner up
13	Narendra singh ratore	III Year	Singhanian University	All India Sports Meet	Cricket	Runner up

WELCOMES DR. DEEPAK PALIWAL

Dr. Deepak Paliwal joined Geetanjali Institute of Technical studies as a Professor and Head in Mechanical Engineering Department on 01-May-2018. Dr. Paliwal has more than 14 years of work experience including academic, industrial and administration. His area of research is condition monitoring of rotary machines and has published several research papers in international journals of repute including SCI and Scopus listed Journals. During his doctoral research, he developed a signal processing technique that can be applied on vibration signals of bearings to find miniature faults in the rolling element bearings subjected to static load condition. In his past, he was associated with Mercedes- Benz, world's best car manufacturers, as process engineer and implemented advanced production and manufacturing techniques, like lean and six sigma, in the plant production line.

INTERESTING INCIDENT TO KNOW

One day during the visit of King Jai Singh (King of Alwar city, Rajasthan) to London, King Jai Singh was walking in casual dress in Bond Street. He saw a Rolls Royce showroom and went inside to inquire about the Price and Features etc of their cars. Considering him a just another Poor Indian citizen, showroom salesmen insulted him and almost showed him the way out of the showroom. After this insult, King Jai Singh came back to his Hotel room and asked his servants to call the showroom that King of Alwar city is interested in purchasing their few Cars. After few hours King reached the Rolls Royce showroom again but with his full astonishing royal manner and in his royal costume. Until he reached the showroom there was already red carpet on the floor and all the salesmen were bent with respect. The King purchased all the six cars that they had at showroom at that time and paid full amount with delivery costs. After reaching India, King ordered municipal department to use all those six Rolls Royce cars for cleaning and transporting city's waste.

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OTHER ACTIVITIES

Farewell of Final Year Students (Batch 2014-18)

Department of Mechanical and Automobile Engineering jointly organized Farewell party for their final year students on the eve of 3rd May



2018 at college campus. Students left no stone unturned to make their senior's last few days count memorable. The juniors went extra miles to make their cherished [seniors](#) feel special by giving them dance performances, engaging them in some interesting games and taking them down on a memory lane by bringing the college life alive through many different kinds of stage shows. Director GITS and Faculty members of departments wish students a successful and happy life ahead. The program was followed by distribution of memento to final year students, vote of thanks and dinner.

Proud Moment (2017-2018)

MOU with Thermax

GITS is the Only Institute in Rajasthan who is signing an MOU with India's Top Boiler Manufacturing Brand Thermax India Ltd. for Training & Placement in the field of Core Technical after completing and clearing rigorous accreditation process from Thermax India Ltd.


Thermax Group is an INR 4704 crore company, providing a range of engineering solutions to the energy and environment sectors. We are headquartered in Pune, India and operate globally through 33 International offices and 13 manufacturing facilities - 7 of which are in India and 6 overseas




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Placement of ME students

<i>Name of Company</i>		<i>Company Logo</i>	<i>Number of Selections</i>
TERMEX			9 students got opportunity
SN.	Name	Roll Number	
1	Koshal Joshi	14EGIME058	
2	VikashAudichya	14EGIME118	
3	Devendra Singh	14EGIME031	
4	Bantu Paliwal	14EGIME019	
5	Kunwar Pal Singh	14EGIME057	

6	Nikhil Pandey	14EGIME084
7	Pratinav Joshi	14EGIME090
8	Narendra Singh	14EGIME078
9	Manish Kumar Yadav	14EGIME071

Name of Company		Company Logo	Number of Selections
FORCE MOTORS			7 students got opportunity
SN.	Name	Roll Number	
1	Ashok Prajapat	14EGIME018	
2	KhursheedHaider	14EGIME048	
3	Mohammad Mohsin	14EGIME074	
4	Pratinav Joshi	14EGIME090	
5	YashShrimali	14EGIME123	
6	YasinFarhaz	14EGIME124	
7	YugalKishor Rao	14EGIME126	

Name of Company		Company Logo	Number of Selections
LIUGONG			3 students got opportunity
SN.	Name	Roll Number	
1	Devendra Prajapat	14EGIME030	
2	Dheeraj Sharma	14EGIME034	
3	Jitendra Panchal	13EGIME055	



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