



Sarathy Nagar, Kundrathur, Chennai – 69.  
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# MECHGUST 2018

**DEPARTMENT OF MECHANICAL ENGINEERING**



**Chief Editor**

**Dr.Vimalanathan (Professor)**

**Dr.M.D.Vijaya Kumar (Assc. Professor)**

**Student Editor**

**Manoj 2nd year MECH**



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# MECHGUST 2018

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## ABOUT...

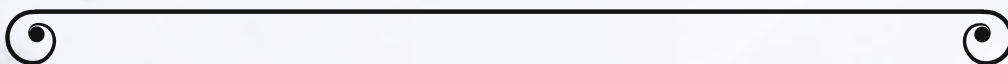
The Mechanical engineering students technical festival started in 2018 and is into its 7th edition in its endeavor to provide a platform for the blooming and budding engineers to showcase their talent in the field of Mechanical Engineering. Since its inception, the technical festival has successfully provided a platform for bringing together the entire fraternity of students, corporate and academicians under one roof. Over years, the technical festival has spread its wings across various technologies, inspiring creativity and innovation.

The technical festival has envisioned changes and provided rightful solutions. through its various thought-provoking initiatives. Through blood pumping competitions, the technical festival has inspired the youth and the industry in their endeavor to work for a better world to live in.

## ABOUT THE DEPARTMENT :

The department of Mechanical Engineering is by far the largest department that offers a 4-year B.E in Mechanical Engineering and M.E in CAD/CAM. The department has been recognized as one of the research centers and has many centers for excellence that are recognized both Nationally and Internationally.

The students have been consistently participating in various national level technical competitions like BAJA SAEINDIA We have well-equipped sophisticated infrastructure and laboratories with high stanards





# MECHGUST 2018

Department of Mechanical Engineering

**Chairman**

Shri.P.Sriram

**Vice-Chairman**

Mr.P.Janaki Raman

**Principal**

Dr.K.S.Srinivasan

**Dean (R&D)**

Dr.B.R.Ramesh Babu

**Head of the Department**

Dr.Vimalanathan

**Co-ordinator**

Mr.S.Sivaraj



**President**

K.Gunanithi

**Vice-President**

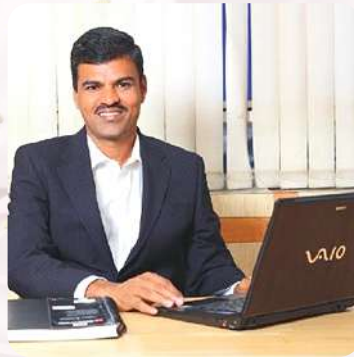
Vignesh

**Student Co-ordinator**

Deepak

**Treasurer**

Manoj



**Shri.P.SRIRAM**  
Chairman

By, building people, we build society. By building leaders, we build the nation's technology and economy. Technical education is, in effect, a nation's service. At CIT, we believe only a well-disciplined, value-added students to become the high-profiled professionals who can achieve the avowed objective of our formed Honorable Abdul Kalam, to make our country a "SUPER POWER". I hope that the Symposium will high stage for sharing of knowledge and hits a grand success of the year

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**Dr.K.S.Srinivasan**  
Principal

I am extremely happy to know that our mechanical students have come out with a souvenir for the 2017-2018 academic year. They have spent a good time capturing every event and activities happened at the mechanical engineering department during this period. I appreciate their efforts and wish view all the best in their future endeavors

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# MECHGUST 2018

DEPARTMENT OF MECHANICAL ENGINEERING  
PROUDLY PRESENTS

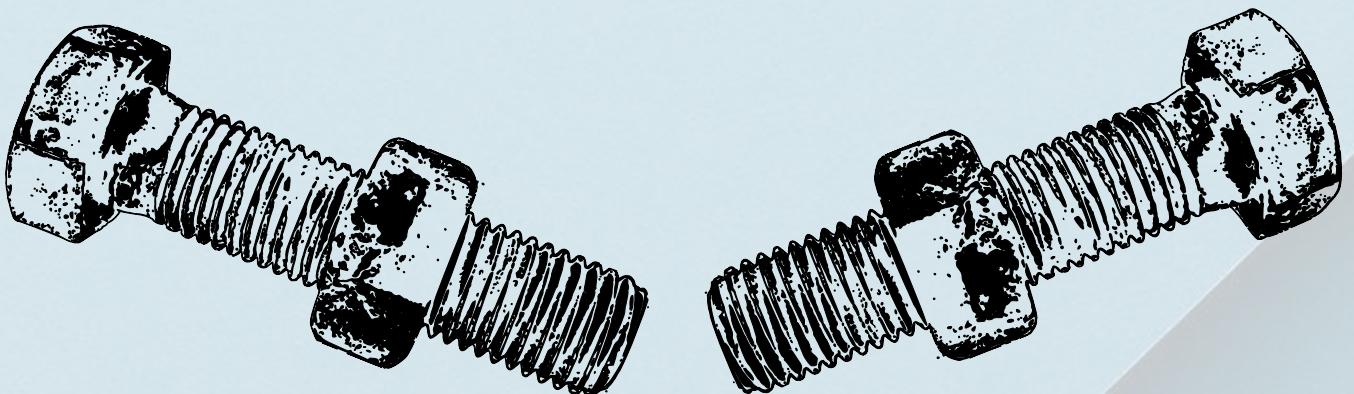
MECHGUST 2018 is a National Level Technical Symposium that was born out of the sparks kindled by the students of the Mechanical Engineering department. It embraces the evolution of Mechanical Engineering from ores of the Past to Forging the Future. It provides a stage for aspiring minds to establish their talents and showcase them to the right audience. A range of challenging events draws enthusiastic participants, adding luster to the show.

Held On : 3 MARCH 2018, 9:00AM to 4:00PM

## **Details about Students who participated**

Total No. Of Colleges Participated: **19 Colleges**

Total No.Of Students Participated: **381**





# MECHGUST 2018

Department of Mechanical Engineering  
Students Organizing Committee

**Overall Department President** K Gunanithi

**Vise-President** Vignesh

**Student Co-ordinator** Deepak

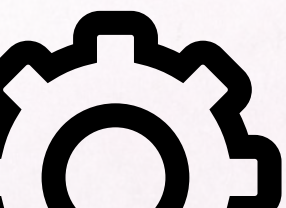
**Treasurer** Manoj

## EVENTS ORGANIZED

with organisers

### TECHNICAL EVENTS

EVENT NAME	STAFF-COORDINATOR	STUDENT COORDINATOR
PAPER PRESENTATION ( DESIGN AND MANUFACTURING)	Dr. Om kumar Dr. Vimalanathan	Yudish Sharma, Naresh
PAPER PRESENTATION ( THERMAL )	Dr. Dinakaran Dr. Karthikeyan	Yudish Sharma
TECHNICAL QUIZ	Mr. Shanmuga Selvam	Intiaz, Prathipa
Mr.MACHINIST	Mr. Dinesh	Elangannan, Vinoth rajan
CAD / CAM MODELLING	Mr. Deepak Suresh Kumar	Dinesh, Pavithra
WATER ROCKETRY	Mr. Kannan	Deepak Kumaran, Sanjay Srinivas

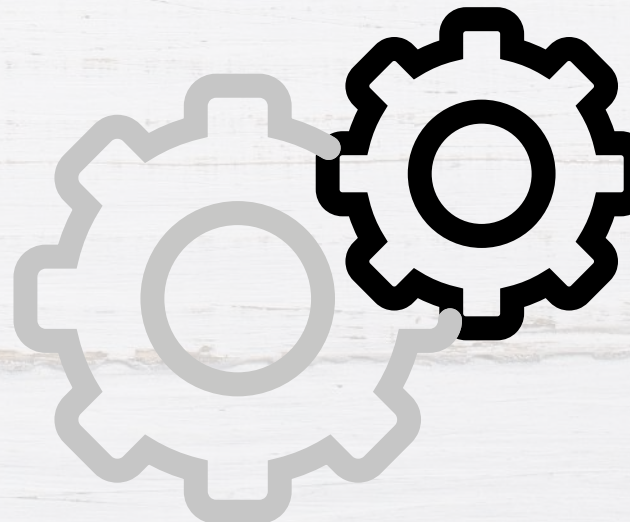




<b>EVENT NAME</b>	<b>STAFF-COORDINATOR</b>	<b>STUDENT COORDINATOR</b>
ROLE PLAY	Mr. Vinayaga Moorthy	Rajesh Kannan, Sriharish
JAM	Mr. Sivaraj	Kishore
DUMP-C	Mr. Karthik	Hamel Kumar
CONNECTIONS	Mr. Subash	Lavanya

## WORKSHOPS

<b>EVENT NAME</b>	<b>STAFF-COORDINATOR</b>	<b>STUDENT COORDINATOR</b>
3D PRINTING	Mr. Suresh	Surya
ROBOTICS	Mr. Vinoth Mr. Kishore	Ajith
CAD/ CAM	Mr. Suresh	Om Sai Krishna





# Main Poster



**CHENNAI INSTITUTE OF TECHNOLOGY**  
SARATHY NAGAR, KUNDRATHUR, CHENNAI-600069

**DEPARTMENT OF MECHANICAL ENGINEERING**  
IN ASSOCIATION WITH TAKSHASHILA  
PROUDLY PRESENTS

**MARCH 3**

**MECHGUST**  
**2K18**  
A NATIONAL LEVEL TECHNICAL SYMPOSIUM

Mr.M.D.Vijayakumar  
Convenor



**TECHNICAL EVENTS**

PAPER PRESENTATION  
CAD/CAM MODELLING  
WATER ROCKETRY  
TECHNICAL QUIZ  
MR.MACHINIST  
ROLE PLAY

**WORKSHOP**

3D PRINTING  
ROBOTICS  
CAD/CAM

**NON TECHNICAL EVENTS**

SCAVENGER HUNT  
CRAZY CANVAS  
LIGHTS OUT  
RAP BATTLE  
DIPLOID  
FUN ZONE

CASH PRIZE WORTH  
**1 LAKH**

Last Date for Paper Submission:FEB-26

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**ताक्षशिला**





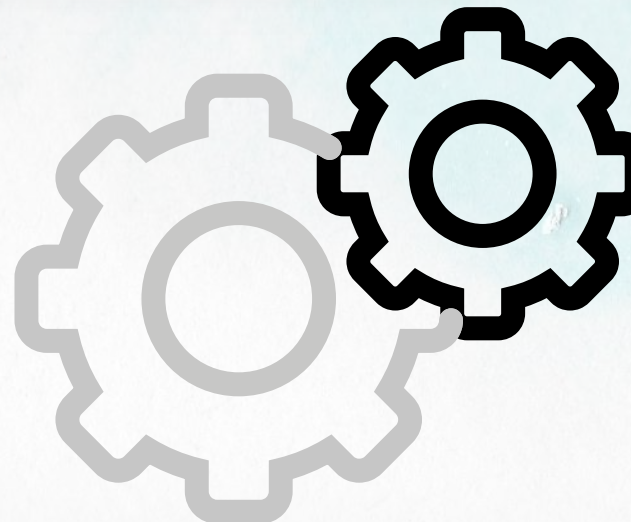
Staff Co-ordinator  
Mr.S.Sivaraj(8883168792)  
Register at:  
[www.cittakshashila.org](http://www.cittakshashila.org)  
[knowafest.in/mechgust](http://knowafest.in/mechgust)

Student Co-ordinators  
K.Gunanithi(7200306361)  
E.S.Harish(8939597133)  
[mechgust2k18@gmail.com](mailto:mechgust2k18@gmail.com)

Visit Us



**mechgust**







**MECHGUST '18**  
**MR. MACHINIST**

You won't believe the attention to detail that goes into designing, modeling, measuring, cutting, grinding, polishing, and fitting parts to realize this hierarchical wonder

**RULES AND REGULATIONS**

Round 1: Students should answer the given number of questions in a given period of time. Those who clear the round will be qualified to the next round.

Round 2: A diagrammatic job will be given with dimensions. A model should be made in lathe machine for the given dimensions with accuracy and short time will be the winner.

**Cash Prize Worth 10k**

Student co-ordinator: Elangannan- 9597314001  
Vinoth Rajen- 9095726812

Register at: [www.cittakshashila.org](http://www.cittakshashila.org)  
Email: [mechgust2k18@gmail.com](mailto:mechgust2k18@gmail.com)

## Mr.Machinist

**MECHGUST '18**  
**WATER ROCKETRY**

Innovations start with simple constructive ideologies that sync with patterns which eventually leads to success of the advancements in science!!! The use of common water bottles and a compressor to explain Aerodynamics in a much subtle objective is the keen output of the event!

The hierarchy of flying range will be the judging parameters.

**RULES:**

- Team should consist of a maximum of 3 members.
- All design materials should be brought by the participants. Only compressor will be provided by the institution.
- Rocket should be made of common water bottles.

**CASH PRIZE WORTH 10K**

Student Co-ordinator: Deepak kumar-7667269885  
Sanjay Srinivas-8220564768

Register at: [www.cittakshashila.org](http://www.cittakshashila.org)  
Email: [mechgust2k18@gmail.com](mailto:mechgust2k18@gmail.com)

## Water Rocketry

**MECHGUST '18**  
**CAD/CAM MODELLING**

Design and analysis-These two terms provide their own brand of enthusiasm. If you are looking for a stage to showcase your design then come and grab it!

**Rules:**

A team consist of two members.  
College ID must.

ROUND 1: Written Exam  
ROUND 2: Software Design.

**Cash prize worth 10k**

Student Co-ordinator: N.Dinesh-7598113297  
Pavithra-9982750359

Register at: [www.cittakshashila.org](http://www.cittakshashila.org)  
Email: [mechgust2k18@gmail.com](mailto:mechgust2k18@gmail.com)

## CAD Modelling

**MECHGUST '18**  
**ROLE PLAY**

**RULES:**

1. Team can hold upto 3 members.
2. Technical based topics will be given.
3. The time limit will be Monitored and the Judgement will be based on the presentation Styles!!!

**Cash Prize Worth 10k**

Contact info: RAJESH VANNAN - 9489344853  
SHY HARISH - 9503035533  
Email - [mechgust2k18@gmail.com](mailto:mechgust2k18@gmail.com)

## Roleplay

**MECHGUST '18**  
**Technical Quiz**

**RULES:**

EACH TEAM CAN HOLD UPTO 3 MEMBERS  
EACH TEAM CAN HOLD UPTO 3 MEMBERS

ROUND-1: GENERAL TOPICS  
ROUND-2: TECHNICAL TOPICS

**Cash Prize Worth 10k**

Contact info: Jeevraj Ahmad-9500148260  
Prathiba-9455273584

Register at: [www.techquizshila.org](http://www.techquizshila.org)  
Email: [mechgust2k18@gmail.com](mailto:mechgust2k18@gmail.com)

## Techquiz

**MECHGUST '18**  
**PAPER PRESENTATION**

**Rules:**

- Team should consist of maximum of 2 members.
- Team members should be of the same college.
- Participants are requested to register in advance.
- Topics can be from any domain.
- Contact the event coordinator for the submission details.
- Panel decision is final.

**Cash Prize Worth 15k**

Last Date For Paper Submission-Feb 28

Student co-ordinator: Yathish Sheena- 9047364372  
Narshan- 9866951022

Register at: [www.cittakshashila.org](http://www.cittakshashila.org)  
Email: [mechgust2k18@gmail.com](mailto:mechgust2k18@gmail.com)

## Paper Presentation

# WORKSHOPS



**CHENNAI INSTITUTE OF TECHNOLOGY**

## MECHGUST '18

### Workshop

- CNC
- 3D Printing
- Robotics

1. Workshop fee is Rs.100.
2. Registration is available online.
3. Payment of fee is on-spot.
4. Certificate will be provided.

Contact Information:  
M.Manojkumar :7200306361  
mechgust2k18@gmail.com

One day workshop  
on March 3<sup>rd</sup>

**சித்தக்ஷிலா**  
cittakshashila.org

# Gallery



# Chief Gathering and Inaugural



**Tech quiz**



**Paper Presentation**



**RolePlay**

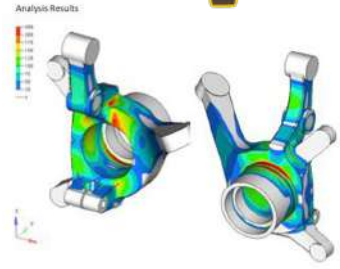


**3D Printing and Digital manufacturing**



CIT - HARITA  
Design and digital  
manufacturing research center

Established in association with HARITA TECHSERV

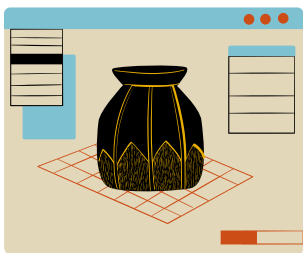
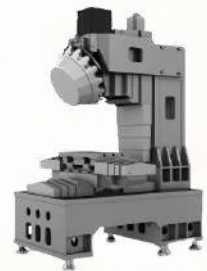


CIT - KUKA  
Industrial robotics training center

Established in association with KUKA ROBOTICS, GERMANY

CIT - SANDVIK  
Center of excellence for CNC  
and cutting tool

Established in association with HARITA TECHSERV

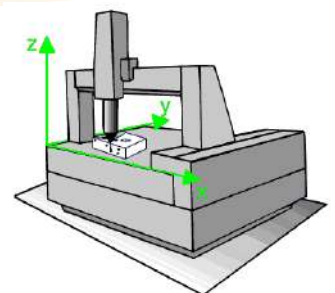


CIT - Lu Ban Workshop  
3D Printing and Reverse Engineering Center

Established in association with Lu Ban Workshop of  
China

CIT - ACCURATE  
Center for excellence for  
metrology

Internship training for B.E and M.E students

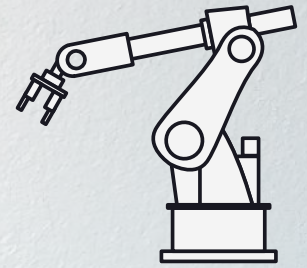


# Feedback

## 3d printing

"I visited the additive manufacturing workshop, which gave me an intro to 3d printers. Additive manufacturing is one of the scientific marvels of the modern world that can manufacture a component, model, or product. I came to know about the working of 3d printers and the history behind it. It was a good feeling to see that 3d printers manufacturing components in a layer-by-layer fashion. I learned about the software which is used for giving commands to the 3d printers. The staff and the students assisted me throughout the workshop and clarified my doubts."

- Niranjana 2nd year Mech - Sri Venkateswara College of Engineering



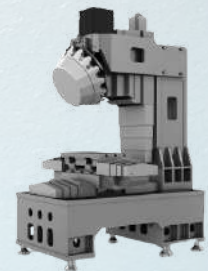
## Robotics

"Firstly, I thank Chennai institute of technology for the time & efforts in preparing the robotics workshop which is structured perfectly for a beginner like me.

Secondly, for giving us explicit concepts and knowledge about the robotics technology and about the KUKA robots which are used in the automotive and manufacturing industries.

Lastly, I thank all the students who have been active throughout the workshop. Thank you all, happy learning".

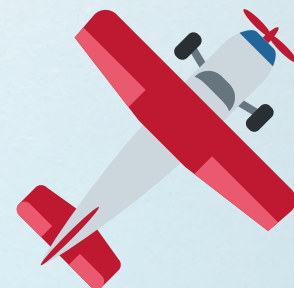
- Naveen 2nd year Mech - Sairam College of Engineering



## CNC

"I would like to express my gratitude to the team for having such informative and practical sessions for the benefit of students and faculty members. I participated in the CNC workshop where I have learned how to use CNC machines practically hands-on. I am also thankful to the management of the Chennai Institute of Technology for this workshop to enhance our technical skills. Thank you"

- Keerthi 3rd year Mech - Satyabama Institute of Technology



## Aero modeling

"I came across the workshop session on aeromodelling. I would like to thank the entire team for such a creative and fun-filled learning session on aeromodelling. It was a nice experience, which gave me hands-on experience with RC planes and Drones. It strengthens my basic knowledge of aerodynamics. Once again I would like to thank the Chennai Institute of technology for this workshop."

- Krishna 2nd year Mech - Jeppiar College of Engineering

