



MECHGUST 2K19

DEPARTMENT OF MECHANICAL ENGINEERING



Chief Editor

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

Student Editor

S.Adharsh 3rd Year MECH

MECHGUST 2K19

ABOUT...

The Mechanical engineering students technical festival started in 2019 and is into its 8th 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 2K19

Department of Mechanical Engineering

Chairman

Shri.P.Sriram

Vice-Chairman

Mr.P.Janaki Raman

Principal

Dr.J.M.Mathana

Dean (R&D)

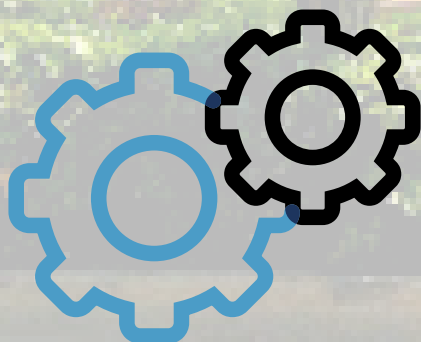
Dr.B.R.Ramesh Babu

Head of the Department

Dr.M.D.Vijaya Kumar

Co-ordinator

Mr.M.Vinayagamoorthy



President

K.Chandhan

Vice-President

S.Suriya

Student Co-ordinator

Adharsh.S

Secretary

Raga Lakshmi

Treasurer

Venkat Krishnan



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



Dr.J.M.Mathana
Principal

I am extremely happy to know that our mechanical students have come out with a souvenir for the 2019-2020 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



MECHGUST 2K19

DEPARTMENT OF MECHANICAL ENGINEERING
PROUDLY PRESENTS

MECHGUST2k19 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 : 13 SEPT 2019, 9:00AM to 4:00PM

Details about Students who participated

Total No. Of Colleges Participated: **66 Colleges**

Total No. Of University Participated: **08 University (Which Includes Grade 1 Acc. University)**

Total No.Of Students Participated: **1520**





MECHGUST 2K19

Department of Mechanical Engineering
Students Organizing Committee

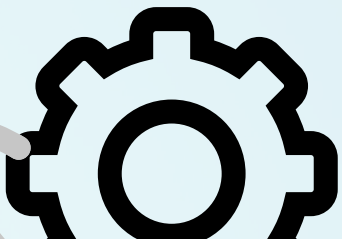
Overall Department President	K Chandhan
Vise-President	S Suriya
Student Co-ordinator	S Adharsh
Treasurer	Venkat Krishnan

EVENTS ORGANIZED

with organisers

TECHNICAL EVENTS

EVENT NAME	STAFF-COORDINATOR	STUDENT COORDINATOR
Paper Presentation	Dr. P.Gurusamy	Yudish Sharmam, Pavithra
CAD Modelling	Mr. Deepak Suresh	Dinesh, Prathipa
CAE Modelling	Dr.J.Raja parthiban	Elangannan
TechQuiz	Mr. Nagendran	Imtiaz
Mold design	Dr.A.Dhanasekar	Naresh
Mr.Machinist	Dr.S.Ravi	Vinoth rajan
Water Rocketry	Dr.Ganesa Moorthy	Rajesh Kannan





EVENT NAME	STAFF-COORDINATOR	STUDENT COORDINATOR
Doodle (Creative Drawing)	Mr. Vinayaga Moorthi	Kishore
Connections	Mr. R. Kishore	Hamel kumar
Volley Ball 3's	Mr.B. Yokesh	Lavanya
Surprise Events	Mr. G.K.Kannan	Deepak Kumaran

WORKSHOPS

EVENT NAME	STAFF-COORDINATOR	STUDENT COORDINATOR
3D printing	Mr. G.K.Kannan	Surya
CNC	Mr. A. Suresh	Ajith
ROBOTICS	Mr. R. Kishore	Om Sai Krishna
Hands on Workshop on Vehicle Building	Dr. A. Dhanasekaran	Sanjay Srinivas




Posters and Gallery



Inaugural ceremony



Main Poster




CHENNAI INSTITUTE OF TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING
(Accredited by NBA)
Proudly Presents

MECHGUST

NATIONAL LEVEL TECHNICAL SYMPOSIUM



Prizes Worth 1 Lakh

TECHNICAL EVENTS

- TECH QUIZ
- CAD MODELLING
- CAE ANALYSIS
- PAPER PRESENTATION
- MR.MACHINIST
- WATER ROCKETRY
- CYCLE ASSEMBLY
- MOULDING

WORKSHOPS

- INDUSTRIAL AUTOMATION
- VEHICLE BUILDING
- AERO MODELLING
- 3D PRINTING
- ROBOTICS
- CNC

NON-TECHNICAL EVENTS

- VOLLEY BALL
- CONNECTION
- GULLY CRICKET
- FOOTBALL
- SURPRISE EVENT
- PHOTOGRAPHY
- PUBG
- SLOW RACE

SEPTEMBER 13


Last Date For Paper Presentation : 8th September 2019

Convenor
Mr.M.D.Vijayakumar

Faculty Co-ordinator
M.Vinayagamoorthy
9524944103

Student Co-ordinator
K. Chandhan - 9840502728
S.Surya - 8148182887

Register at :
www.mechgustcit.com

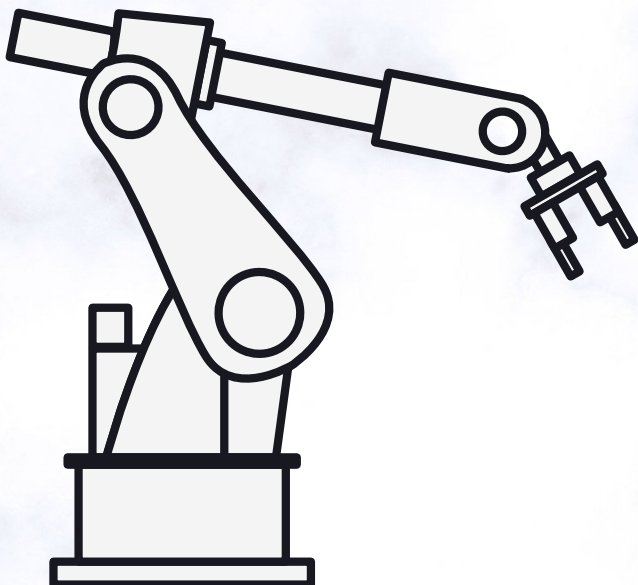


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TECHNICAL EVENTS

MECHGUST'S PAPER PRESENTATION

RULES AND REGULATION

1. The maximum number of authors per paper can be four.
2. Team members can be from different colleges.
3. Participants are requested to register in advance.
4. Topics can be from any mechanical stream.
5. Panel decision will be final.
6. Contact event coordinator for submission details.
7. Either College ID card or Bonafide certificate is mandatory.

(Last date for the submission: 12th September 2019)

Faculty coordinator: Dr. V. Dhinakaran - 9080591216
Student coordinator: Manoj Kumar K. P. - 7200206551

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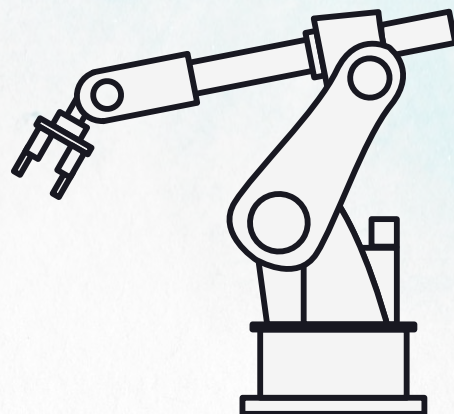
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Paper presentation



TECHNICAL EVENTS

CHENNAI INSTITUTE OF TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING

MECHGUST '19 MR. MACHINIST

SEP 13

RULES AND REGULATIONS

Round 1: Students should answer multiple choice questions.
Round 2: Tool identification.
Round 3: A diagrammatic job will given with dimension, you have to made a model.
ID card is mandatory
Panel decision will be final

Student Coordinator:
Jeeva : +91 88256 11424, Harin : +91 87786 30099
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Mr.Machinist

CHENNAI INSTITUTE OF TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING

MECHGUST '19 WATER ROCKETRY

SEP 13

RULES AND REGULATIONS

1. The team should consist of 3 members only.
2. All design materials should be brought by the participants.
3. Only the compressor will be provided.
4. Rocket should be made of common water bottle.

Student coordinators : Ayyanar(+91 73394 69219)
Vignesh(+91 95142 54071)

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Water Rocketry

CHENNAI INSTITUTE OF TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING

MECHGUST '19 CAD MODELLING

SEP 13

Rules & Regulations

- * A Team may consist of two members.
- * College ID or Bonafide Certificate is mandatory.
- * Participants those who clear the prelims will be allowed for the finals
- * Judges decision will be final.

Softwares

CATIA, Solidworks
CREO, AutoCAD

Student coordinator
L.Ranjith Ph.9789455737
A.Vignesh Ph.9514254071

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CAD Modelling

CHENNAI INSTITUTE OF TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING

MECHGUST '19 MOULDING

SEP 13

RULES & REGULATIONS

- ID card or bonafide is mandatory
- Judges decision will be final
- Softwares: NX CAD, NX CAM, CATIA, Solid works, creo

STUDENT COORDINATOR:
SUNDAR M.
PH. +91. 9940681606
VIGNESH A
PH. +91. 9514254071

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Moulding

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MECHGUST '19 TECHQUIZ

SEP 13

RULES AND REGULATIONS

- Only team entries are eligible
- A team shall consist of two members only
- Participants are not allowed to use mobile phones or any other electronic devices
- The decision of the judges will be final and will not be subjected to any change
- The questions shall be in the form of multiple choice true or false, specific answer question
- Id card or bonafide certificate is mandatory

Student coordinator
R. S. Kannan Ph. +91 9047694399
A.Vignesh Ph. +919514254071

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Techquiz

CHENNAI INSTITUTE OF TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING

MECHGUST '19 CYCLE ASSEMBLY

SEP 13

RULES AND REGULATIONS

- 1). ID card or Bonafide must compulsory
- 2). Judges decision will be final
- 3). Participants should bring the required tool kit
- 4). Multiple choice questions
- 5). Assembling of the given cycle
- 6). A team shall consist of 2 members only

Student Co-ordinator
Kiran Kumar
+91 9841595513
+91 9514254071

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mechgust@citichennai.net /mechgust /mechgust_cit /mechgust

Cycle Assembly

NON-TECHNICAL EVENTS

CHENNAI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
MECHGUST '19

SEP 13

Rules:

1. Id card or bonafide is mandatory
2. Theme : Mechanical and Automobile concept within college campus
3. Timing : 10:30am - 1:30 pm
4. Both DSLR and mobile phones can be used
5. Selection process : Follow and tag us in instagram story with your photograph
6. Panel decision will be final

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Photography

CHENNAI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
MECHGUST '19

FOOTBALL

SEP 13

ENTRY ₹120 PER TEAM

RULES

- 8 People in a team. 5 on the ground including the goalkeeper, 3 substitutes off the field.
- Each half is of 15 minutes. Half time is of 10 minutes.
- No corners present only throw-in.

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Student Coordinator: Mukil Ph. : 9486126363 Roshan Ph. : 9884080466
mechgust@citcennai.net /mechgust /mechgust_cit /mechgust

Football

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DEPARTMENT OF MECHANICAL ENGINEERING
MECHGUST '19

Gully Cricket

RULES & REGULATIONS

- SIX MEMBERS PER TEAM. NO SINGLES AND SIXES ONLY FOURS ARE COUNTED
- 6 OVERS MATCH AND 6 WICKETS
- ONLY UNDERARMS ARE ALLOWED

ENTRY ₹120 PER TEAM

STUDENT COORDINATOR: MUKESH KUMAR PH. +91 9840924279
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Gully Cricket

CHENNAI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
MECHGUST '19

ONE SHOT ONE KILL ONE LUCK ALL SKILL

ENTRY FEE: ₹50 PER SQUAD

CONTACT: SHIRAM | ROSHAN 983711867 | 9884080466

DATE: 13 SEP

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PUBG

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DEPARTMENT OF MECHANICAL ENGINEERING
MECHGUST '19

Connexion

SEP 13

Rules & Regulations

- Entry will be only accepted for team of 3
- ID card or bonafide is mandatory
- Panel decision is final

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Contact: Sriram 9840541854 Roshan 9884080466

GUESS THIS

THE MEG + +

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Connexion

CHENNAI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
MECHGUST '19

VOLLEY BALL

SEP 13

ENTRY ₹120 PER TEAM

RULES

- *Each team must have 6 members
- *There are 3 sets in total, one set is of 10 minutes
- *The team must bring their own accessories.

www.mechgustcit.com
Student coordinator: Sukesh +919043991573, Roshan +919514254071
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Volley Ball

CHENNAI INSTITUTE OF TECHNOLOGY
MECHGUST '19

SURPRISE EVENTS

DEPARTMENT OF MECHANICAL ENGINEERING

SANTOSH: 9884080466

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Surprise events

WORKSHOPS



CHENNAI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL

MECHGUST '19 WORKSHOP

CNC ROBOTICS 3D PRINTING & REVERSE ENGINEERING AERO MODELLING VEHICLE BUILDING INDUSTRIAL AUTOMATION

SEP 13

ENTRY ₹ 100

Contact:
R.VIGNESH +91 7092200797
S.ADHARSH +91 8124562385

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Gallery



Chief Gathering and Inaugural



Tech quiz



CAD Modelling



Water rocketry



CNC



Surprise event



3D Printing



Robotics



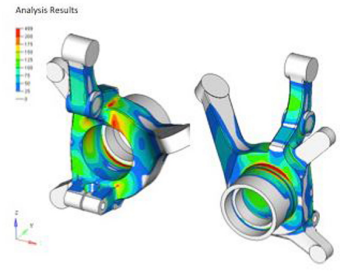
Prize announcement



Prize distribution

CIT - HARITA
Design and digital
manufacturing research center

Established in association with HARITA TECHSERV

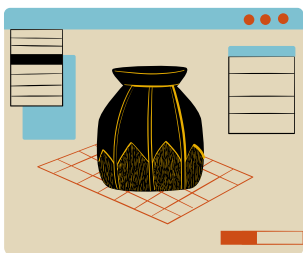
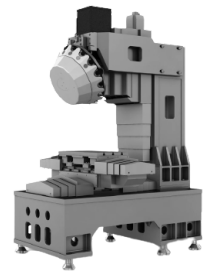


CIT - KUKA
Industrial robotics training center

Established in association with KUKA ROBOTICS, GERMANY

CIT - SANDVIK
Center of excellence for CNC
and cutting tool

Established in association with HARITA TECHSERV

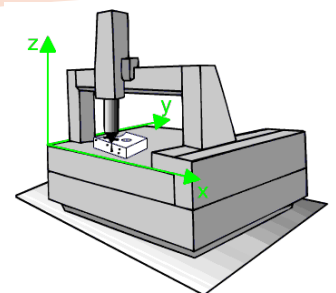


CIT - Lu Ban Workshop
3D Printing and Reverse Engineering Center

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

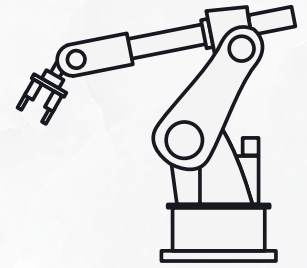


Feedback

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."

- Kumar 2nd year Mech -Sairam Institute of technology



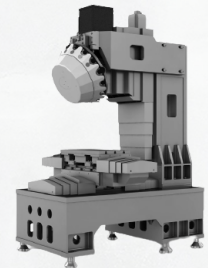
Robotics

"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".

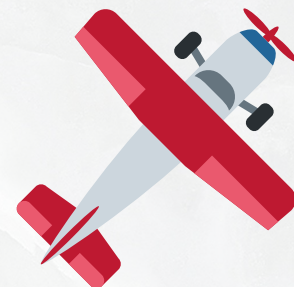
- Praveen 2nd year Mech - SRM



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"

- Lakshmi 3rd year Mech - St.Joseph College of engineering



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 about the aerodynamics. Once again I would like to thank the Chennai Institute of technology for this workshop."

- Naveen 2nd year Mech - Rajalakshmi College Of Engineering

