

# GNAN ENTHIRA TIMES

DEPARTMENT OF  
MECHANICAL  
ENGINEERING

Volume 8, Issue 2

2020-21 Even

## Inside

Student  
Activities

Staff  
Activities

Faculty  
Awards

Student  
Awards

Programme  
Organized

Placement  
Details

MoU Signed



**Gnanamani**  
College of Technology

Gateway to Great Life!

**Gnanamani College of Technology**

Accredited by NACC and NBA

NH-7, A.K.Samuthiram,  
Pachal-PO, Namakkal-637 018.

[www.gct.org.in](http://www.gct.org.in)

## About Gnanamani College of Technology

---

Gnanamani College of Technology is a leading Institution with state-of-the-art facility. The college is affiliated to Anna University and approved by AICTE. The Institution is rendering noble service to the youths in rural and urban areas. The college is accredited by the NAAC and NBA (CSE, ECE, EEE and Mech). The college has grown in a short span of 15 years with 13 UG courses namely Agricultural, Artificial Intelligence and Data Science, Bio-Medical, Biotechnology, Chemical, Civil, Computer Science, Electrical and Electronics, Electronics and Communication, Food Technology, Mechanical, Robotics & Automation and Pharmaceutical Technology. The Institute also offers 9 PG courses in Computer Science, Construction Engineering and Management Environmental Engineering, Embedded System Technologies, Power Electronics and Drives, Industrial Engineering, VLSI Design, MBA and MCA.

---

### Vision

Emerging as a technical institution of high standard and excellence to produce quality Engineers, Researchers, Administrators and Entrepreneurs with ethical and moral values to contribute the sustainable development of the society.

---

### Mission

We facilitate our students

- \* To have in-depth domain knowledge with analytical and practical skills in cutting edge technologies by imparting quality technical education.
  - \* To be industry ready and multi-skilled personalities to transfer technology to industries and rural areas by creating interests among students in Research and Development and Entrepreneurship.
-

## About Department of Mechanical Engineering

---

The Mechanical Engineering Department was started in the year 2009 and accredited by NBA in 2019. It offers B.E. with 120 student intake, M.E. – I.E., and Ph.D.in Full time and Part time modes. The department has 12 Curriculum Laboratories and 3 Industry supported labs providing 8 Value added courses and a Centre of Excellence - CNC Machines Laboratory. Anna University recognized Research & Development Centre with 4 Ph.D. Supervisors and 8 Doctorates is fully functioning in the department since 2015. The faculty of the department have published more than 180 reputed journal publications, 3 Patents and have received a project grant of 15 Lakh. The Department has 4 Professional Societies namely ISTE, SAE, ISME and IEI.

---

### Vision

To produce competent Mechanical Engineer capable of working in an interdisciplinary environment contributing to benefits of society through innovation, leadership and entrepreneurship.

---

### Mission

- ✧ Imparting the highest quality education through state-of-the-art facilities to build students' professional practice and make them globally competitive Mechanical Engineers by enhancing their knowledge.
  - ✧ Fostering professional and ethical values and training the students to build leadership and entrepreneurship qualities for their career development.
  - ✧ Undertaking research and developmental activities to provide service for the sustainable development of the society.
-

**PROGRAM EDUCATIONAL OBJECTIVES (PEOs)**

Graduates of Mechanical Engineering will

PEO 1: Apply their mechanical and allied knowledge to address technical and societal problems with creativity and ethical values.

PEO 2: Design and analyse mechanical systems with strong fundamentals and work in synchronisation with industries and research organisations as team members on multi-disciplinary projects

PEO 3: Seek out positions of leadership actively within their profession and their community through lifelong learning.

---

**PROGRAM SPECIFIC OUTCOMES (PSOs)**

Graduates of the program will be able to

PSO-1: Apply principles of basic sciences, machine design, manufacturing, thermal engineering and management to identify, formulate and solve real time problems and societal issues for the sustainable development.

PSO-2: Develop their abilities to qualify for Employment, Higher studies and Research in Mechanical Engineering.

---

## PROGRAM OUTCOMES (POs)

- ☞ **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems
- ☞ **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
- ☞ **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal and environmental considerations.
- ☞ **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusions.
- ☞ **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- ☞ **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- ☞ **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- ☞ **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- ☞ **Individual and team work:** Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.
- ☞ **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- ☞ **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- ☞ **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

## **STUDENT ACTIVITIES -** **ONLINE WEBINAR**

- ▶ Mr.Manivel.M attended Online Webinar on Industrial Vibration Problem organized by Gnanamani College of Technology on 09.12.2020.
- ▶ Mr.Kathiresan K attended Online Webinar on Industrial Vibration Problem organized by Gnanamani College of Technology on 09.12.2020.
- ▶ Mr.Maheswaran R attended Online Webinar on Industrial Vibration Problem organized by Gnanamani College of Technology on 09.12.2020.
- ▶ Mr.Aravinth.R attended Online Webinar on Industrial Vibration Problem organized by Gnanamani College of Technology on 09.12.2020.
- ▶ Mr.Yogaraj.P attended Online Webinar on Industrial Vibration Problem organized by Gnanamani College of Technology on 09.12.2020.
- ▶ Mr.Manivel.M attended Online Webinar on Economic Analysis of Eco friendly regrigerants organized by Gnanamani College of Technology on 10.12.2020.
- ▶ Mr.Kathiresan K attended Online Webinar on Economic Analysis of Eco friendly regrigerants organized by Gnanamani College of Technology on 10.12.2020.
- ▶ Mr.Moganasundar.A.K attended Online Webinar on Economic Analysis of Eco friendly regrigerants organized by Gnanamani College of Technology on 10.12.2020.
- ▶ Mr.Maheswaran R attended Online Webinar on Economic Analysis of Eco friendly regrigerants organized by Gnanamani College of Technology on 10.12.2020.
- ▶ Mr.Aravinth.R attended Online Webinar on Economic Analysis of Eco friendly regrigerants organized by Gnanamani College of Technology on 10.12.2020.
- ▶ Mr.Johnraja M attended Online Webinar on Introduction to Lean Manufacturing organized by Gnanamani College of Technology on 17.12.2020.
- ▶ Mr.Maheswaran R attended Online Webinar on Introduction to Lean Manufacturing organized by Gnanamani College of Technology on 17.12.2020.
- ▶ Mr.Kathiresan K attended Online Webinar on Introduction to Lean Manufacturing organized by Gnanamani College of Technology on 17.12.2020.
- ▶ Mr.Moganasundar.A.K attended Online Webinar on Introduction to Lean Manufacturing organized by Gnanamani College of Technology on 17.12.2020.
- ▶ Mr.Aravinth.R attended Online Webinar on Introduction to Lean Manufacturing organized by Gnanamani College of Technology on 17.12.2020.
- ▶ Mr.Moganasundar.A.K attended Online



Webinar on Opportunities of Welding & NDT in Industry organized by Gnanamani College of Technology on 15.03.2021.

- ▶ Mr. Aravinth.R attended Online Webinar on Opportunities of Welding & NDT in Industry organized by Gnanamani College of Technology on 15.03.2021.
- ▶ Mr. Manikandan.R attended Online Webinar on Opportunities of Welding & NDT in Industry organized by Gnanamani College of Technology on 15.03.2021.

### **STUDENT ACTIVITIES - WORKSHOP / SEMINAR**

- ▶ Mr. Johnraja M attended workshop on Smart Materials in Mechanical Design & Technology at Narasu's Sarathy Institute Of Technology on 27.03.2021.
- ▶ Mr. Dhasarathan.G attended workshop on Smart Materials in Mechanical Design & Technology at Narasu's Sarathy Institute Of Technology on 27.03.2021.
- ▶ Mr. Johnraja M attended workshop on Smart Materials in Mechanical Design & Technology at Narasu's Sarathy Institute Of Technology on 27.03.2021.
- ▶ Mr. Dhasarathan.G attended workshop on High Performance Metallic Materials for Energy Storage and Power Generation Sector at Vellore institute of Technology (SMEC) on 22 & 23.04.2021.

### **STUDENT ACTIVITIES - EVENTS**

- ▶ Mr. Johnraja M attended an event on General Aptitude organized by Masters Academy on 13.12.2020.
- ▶ Mr. Dhasarathan.G attended an event on General Aptitude organized by Masters Academy on 13.12.2020.

### **STAFF ACTIVITIES - FDP / STTP / WORKSHOP / SEMINAR / WEBINAR**

- ▶ Mr. D. Vimalkumar attended Webinar entitled 'Application of Heat in Automotive and Mechanical Systems', dated 22.05.2021 organized by Arasu Engineering College.
- ▶ Mr. R. Sri Sabarinathan attended Webinar entitled 'Application of Heat in Automotive and Mechanical Systems', dated 22.05.2021 organized by Arasu Engineering College.
- ▶ Mr. R. Raja attended Webinar entitled 'Application of Heat in Automotive and Mechanical Systems', dated 22.05.2021 organized by Arasu Engineering College.
- ▶ Mr. R. Sateesh attended Webinar entitled 'Application of Heat in Automotive and Mechanical Systems', dated 22.05.2021 organized by Arasu Engineering College.

- ▶ Mr.E.Beschi Vivek attended STTP entitled 'Applications of Mechanical Engineering', dated 14.06.2021 to 19.06.2021 organized by SVR Engineering College.
- ▶ Mr.K.Sarathkumar attended STTP entitled 'Applications of Mechanical Engineering', dated 14.06.2021 to 19.06.2021 organized by SVR Engineering College.
- ▶ Mr.P.Chandru attended STTP entitled 'Applications of Mechanical Engineering', dated 14.06.2021 to 19.06.2021 organized by SVR Engineering College.
- ▶ Mr.P.K.Sathishkumar attended STTP entitled 'Applications of Mechanical Engineering', dated 14.06.2021 to 19.06.2021 organized by SVR Engineering College.
- ▶ Mr.P.Manikandan attended STTP entitled 'Applications of Mechanical Engineering', dated 14.06.2021 to 19.06.2021 organized by SVR Engineering College.
- ▶ Mr.S.Dineshkumar attended STTP entitled 'Applications of Mechanical Engineering', dated 14.06.2021 to 19.06.2021 organized by SVR Engineering College.
- ▶ Mr.M.Prabakaran attended Webinar entitled 'Digital Transformation and Automation', dated 04.07.2020 organized by Mahabharathi Engineering College.
- ▶ Mr.M.Selvaraj attended Webinar entitled 'Digital Transformation and Automation', dated 04.07.2020 organized by Mahabharathi Engineering College.
- ▶ Mr.V.P.Karthick attended Webinar entitled 'Digital Transformation and Automation', dated 04.07.2020 organized by Mahabharathi Engineering College.
- ▶ Dr.C.Thiruvassagam attended Webinar entitled 'Digital Twin Driven Smart Manufacturing', dated 17.06.2021 organized by Sri Venkateswara College of Engineering.
- ▶ Mr.R.Alamuthu attended Webinar entitled 'Digital Twin Driven Smart Manufacturing', dated 17.06.2021 organized by Sri Venkateswara College of Engineering.
- ▶ Mr.A.Eswaran attended Webinar entitled 'Electric Mobility – The Key to a Green Future', dated 31.05.2021 organized by Nehru Institute of Engineering and Technology.
- ▶ Mr.R.Raja attended Webinar entitled 'Electric Mobility – The Key to a Green Future', dated 31.05.2021 organized by Nehru Institute of Engineering and Technology.
- ▶ Mr.R.Sateesh attended Webinar



- entitled 'Electric Mobility – The Key to a Green Future', dated 31.05.2021 organized by Nehru Institute of Engineering and Technology.
- ▶ Mr.S.Krishnakumar attended Webinar entitled 'Electric Mobility – The Key to a Green Future', dated 31.05.2021 organized by Nehru Institute of Engineering and Technology.
  - ▶ Mr.M.Arther Clive attended entitled 'Emerging Trends in Mechanical Engineering', dated 28.05.2021 to 31.05.2021 organized by Er. Perumal Manimekalai College of Engineering.
  - ▶ Mr.R Sri Sabarinathan attended entitled 'How to write a Quality Paper & Publish it in Index Journal', dated 29.05.2021 organized by Dr.T. Thimmaiah Institute of Technology.
  - ▶ Mr.R.Abarna attended entitled 'Industry Vibration Problem', dated 09.12.2021 organized by Gnanamani College of Technology.
  - ▶ Mr.C Alwin Crishtho attended entitled 'Innovations in materials and Manufacturing Processes', dated 21.06.2021 to 25.06.2021 organized by Vemu Institute of Technology.
  - ▶ Mr.G.Arundeesh attended entitled 'Innovations in materials and Manufacturing Processes', dated 21.06.2021 to 25.06.2021 organized by Vemu Institute of Technology.
  - ▶ Mr.M.SAravanan attended entitled 'Innovations in materials and Manufacturing Processes', dated 21.006.2021 to 25.06.2021 organized by Vemu Institute of Technology.
  - ▶ Mr.N.Vimalraj attended entitled 'Innovations in materials and Manufacturing Processes', dated 21.006.2021 to 25.06.2021 organized by Vemu Institute of Technology.
  - ▶ Mr.R.Alamuthu attended entitled 'Innovations in materials and Manufacturing Processes', dated 21.06.2021 to 25.06.2021 organized by Vemu Institute of Technology.
  - ▶ Mr.S.Ashok Saravanan attended entitled 'Innovations in materials and Manufacturing Processes', dated 21.006.2021 to 25.06.2021 organized by Vemu Institute of Technology.
  - ▶ Mr.S.Rajkumar attended entitled 'Innovations in materials and Manufacturing Processes', dated 21.06.2021 to 25.06.2021 organized by Vemu Institute of Technology.
  - ▶ Mr.V.Boopathy attended entitled 'Innovations in materials and Manufacturing Processes', dated 21.06.2021 to 25.06.2021 organized by Vemu Institute of Technology.
  - ▶ Mr.A.Eswaran attended entitled 'Light Weight materials and It's Applications', dated 02.06.2021

- organized by Arasu Engineering College.
- ▶ Mr.D.Vimalkumar, attended entitled 'Light Weight materials and It's Applications', dated 02.06.2021 organized by Arasu Engineering College.
  - ▶ Mr.J.Mahendrarvarman attended entitled 'Light Weight materials and It's Applications', dated 02.06.2021 organized by Arasu Engineering College.
  - ▶ Mr.M.Arther Clive attended entitled 'Light Weight materials and It's Applications', dated 02.06.2021 organized by Arasu Engineering College.
  - ▶ Mr.R.Alamuthu attended entitled 'Light Weight materials and It's Applications', dated 02.06.2021 organized by Arasu Engineering College.
  - ▶ Mr.D.Vimalkumar attended entitled 'Machinability of Composites', dated 31.05.2021 organized by Arasu Engineering College.
  - ▶ Dr.Sachin S Raj attended entitled 'Machinability of Composites', dated 31.05.2021 organized by Arasu Engineering College.
  - ▶ Mr.J.Mahendrarvarman attended entitled 'Machinability of Composites', dated 31.05.2021 organized by Arasu Engineering College.
  - ▶ Mr.S.Krishnakumar attended entitled 'Machinability of Composites', dated 31.05.2021 organized by Arasu Engineering College.
  - ▶ Mr.S.Krishnakumar attended entitled 'New Product Design and Development', dated 21.05.2021 organized by -.
  - ▶ Dr.C.Thiruvassagam attended entitled 'Patent Commercialization Methods and Strategy', dated 19.06.2021 organized by Francis Xavier Engineering College.
  - ▶ Mr.M.Arther Clive attended entitled 'Research Methodology', dated 02.06.2021 to 04.06.2021 organized by Annai Vailankani College of Engineering,.
  - ▶ Dr.C.Thiruvassagam attended entitled 'Robotics and Medical Automation', dated 18.06.2021 organized by Bharath Institute of Higher Education and Research.
  - ▶ Dr.C.Thiruvassagam attended entitled 'Space Odyssey – A Journey from Seashore to Red Planet', dated 19.06.2021 organized by Ramco Institute of Technology.
  - ▶ Dr.M.Asok Rajkumar attended entitled 'Thrust Areas of Research in Mechanical Engineering', dated 22.06.2021 to 26.02.2021 organized

- by Geethanjali Institute of Technology and science.
- ▶ Dr.P.Arulmozhi attended entitled 'Thrust Areas of Research in Mechanical Engineering', dated 22.06.2021 to 26.02.2021 organized by Geethanjali Institute of Technology and science.
  - ▶ Mr.M.Prabhu attended entitled 'Thrust Areas of Research in Mechanical Engineering', dated 22.06.2021 to 26.02.2021 organized by Geethanjali Institute of Technology and science.
  - ▶ Mr.N.Dileepan attended entitled 'Thrust Areas of Research in Mechanical Engineering', dated 22.06.2021 to 26.02.2021 organized by Geethanjali Institute of Technology and science.
  - ▶ Dr.S.Saravanan attended entitled 'Sustainability Engineering', dated 02.02.2021 to 06.02.2021 organized by Gnanamani College of Technology sponsored through AICTE.
  - ▶ Mr.J.Mahendrarvarman, attended entitled 'Sustainability Engineering', dated 02.02.2021 to 06.02.2021 organized by Gnanamani College of Technology sponsored through AICTE.
  - ▶ Mr.M.Arther Clive attended entitled 'Sustainability Engineering', dated 02.02.2021 to 06.02.2021 organized by Gnanamani College of Technology sponsored through AICTE.
  - ▶ Dr.S.Saravanan attended entitled 'Utilization of renewable Sources of Energy in Engineering Applications', dated 03.05.2021 to 08.05.2021 organized by J.K.K. Nattaraja College of Engineering and Technology sponsored through AICTE.
  - ▶ Dr.N.Balakrishnan attended entitled 'World Class Smart Manufacturing Powered by Artificial Intelligence and Machine Learning – Industry 4.0', dated 01.02.2021 to 06.02.2021 organized by Mahendra Engineering College sponsored through AICTE.
  - ▶ Dr.Sachin S Raj attended entitled 'MF8071 – Additive Manufacturing', dated 24.05.2021 to 29.05.21 organized by Dr.N.G.P. Institute of Technology sponsored through Anna University.
  - ▶ Mr.R Sri Sabarinathan attended entitled 'How to Write High Quality Technical Paper and Searching Technique in IEEE', dated 29.04.2021 organized through IEEE.
  - ▶ Mr.R.Raja attended entitled 'How to Write High Quality Technical Paper and Searching Technique in IEEE', dated 29.04.2021 organized through IEEE.

- ▶ Mr.B.Soundarraaj attended entitled 'Research Methodology', dated 02.06.2021 to 04.06.2021 organized by Annai Vailankani College of Engineering, sponsored through IEEE.
- ▶ Mr.C.Kumaresan attended entitled 'Research Methodology', dated 02.06.2021 to 04.06.2021 organized by Annai Vailankani College of Engineering, sponsored through IEEE.
- ▶ Mr.G.Mohanasundaram attended entitled 'Research Methodology', dated 02.06.2021 to 04.06.2021 organized by Annai Vailankani College of Engineering, sponsored through IEEE.
- ▶ Mr.G.Vijayasekaran attended entitled 'Research Methodology', dated 02.06.2021 to 04.06.2021 organized by Annai Vailankani College of Engineering, sponsored through IEEE.
- ▶ Mr.M.Arther Clive attended entitled 'Research Methodology', dated 02.06.2021 to 04.06.2021 organized by Annai Vailankani College of Engineering, sponsored through IEEE.
- ▶ Mr.M.Gokul attended entitled 'Research Methodology', dated 02.06.2021 to 04.06.2021 organized by Annai Vailankani College of Engineering, sponsored through IEEE.
- ▶ Mr.R.Sateesh attended entitled 'Research Methodology', dated 02.06.2021 to 04.06.2021 organized by Annai Vailankani College of Engineering, sponsored through IEEE.
- ▶ Mr.A.Eswaran attended entitled 'How to Write High Quality Technical Paper and Searching Technique in IEEE', dated 29.04.2021 organized by Gnanamani College of Technology sponsored through IEEE-EBSCO.
- ▶ Dr.D.Lakshmi pathi attended entitled 'Emerging Trends in Mechanical Engineering', dated 28.05.2021 to 31.05.2021 organized by Er.Perumal Manimekalai College of Engineering sponsored through SAEINDIA.
- ▶ Mr.M.Venugopal attended entitled 'Emerging Trends in Mechanical Engineering', dated 28.05.2021 to 31.05.2021 organized by Er.Perumal Manimekalai College of Engineering sponsored through SAEINDIA.
- ▶ Mr.N.Sivakumar attended entitled 'Emerging Trends in Mechanical Engineering', dated 28.05.2021 to 31.05.2021 organized by Er.Perumal Manimekalai College of Engineering sponsored through SAEINDIA.
- ▶ Dr.N.Balakrishnan attended entitled 'ME8493 THERMAL ENGINEERING', dated 28.12.2020 to 04.01.2021 organized by Sai Ram Engineering College sponsored through SAEINDIA.



## FACULTY AWARDS AND ACHIEVEMENTS

The Chairman of Gnyanamani Educational Institutions extends hearty congratulations to **Dr. T. K. Kannan** for being nominated as **Academic Council Member of Anna University**.



Our faculty member Dr. S. Saravanan, Associate Professor won the Best Faculty Award at Global Multidisciplinary Research and Academic Foundation (GMIRF) Chennai, India awards function held on 26.12.2020.



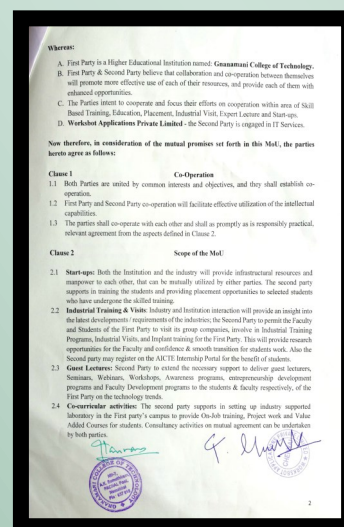
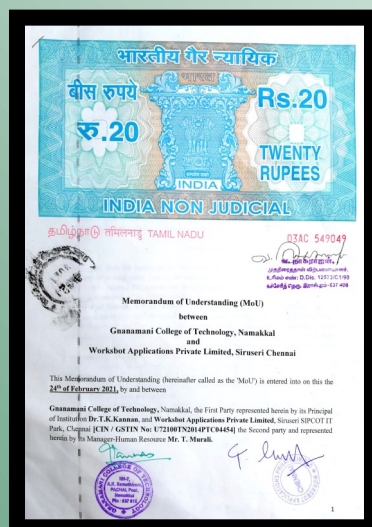


Our faculty member Dr. Sachin S Raj, Assistant Professor, won the Best Researcher Award from Mr. S. R. Parthiban, Member of Parliament, Salem Constituency at Global Multidisciplinary Research and Academic Foundation (GMIRF) Chennai, India awards function held on 26.12.2020.



## MOU SIGNED

Our Gnanamani College of Technology and Workshot Applications Private Limited, SIPCOT IT Park, Chennai made an Memorandum of Understanding to excel the students curricular.



## PROGRAMME ORGANIZED

Our Department of Mechanical Engineering has organized a guest lecture titled “Overview about an Engineering Industry.” on 12.05.2021 from 10.30 am to 11.30 am. Our chief guest, Mr.R.Venkataraman, Vendor Quality Assurance, ISO Auditor, TQM Consultant, Coimbatore, handled the session and enriched the students’ knowledge.

**DEPARTMENT OF MECHANICAL ENGINEERING**

**Gnyanamani Educational Institutions**  
Gateway to Great Life!

**WEBINAR ON**  
Overview about an Engineering Industry

**Mr.R.Venkataraman,**  
Vendor Quality Assurance,  
ISO Auditor,  
TQM Consultant,  
Coimbatore - 641037

**Convener**  
Dr.N.Balakrishnan,  
Professor & Head / Mech.

**Co-ordinator Details**  
Dr.C.Thiruvosagam,  
Assistant Professor / Mech  
Dr.Sachin S Raj,  
Assistant Professor / Mech  
Dr.S.Saravanan,  
Associate Professor / Mech

**Participants**  
Students

**Contact No**  
+91 9942227927,  
+91 6380564994,  
+91 9994307977.

**12 MAY 2021**  
**10:30 AM TO 11:30 AM**

**Registration Link**  
<https://forms.gle/mTK67Yd1yMy8aov5>

**Meeting ID for Webinar**  
<https://meet.google.com/chp-lyag-nvh>

**Google Meet**

For final year students of all UG departments

NH-7, A.K.Samuthiram, Rachol (PO), Namakkal Dist, Tamil Nadu - 637 018 | Mobile: +91 99444 93900, Ph: +91 75982 93888, +91 75982 93999 | www.ggt.org.in, info@ggt.org.in

Our Department of Mechanical Engineering has organized a guest lecture titled “Automotive Body Design” on 26-05-2021 from 10.30 am to 11.30 am. Our chief guest, Mr.R.Shanawas, Design, Analysis & CAM, CADD Centre, Namakkal, handled the session and enriched the students’ knowledge.

**DEPARTMENT OF MECHANICAL ENGINEERING**

**Gnyanamani Educational Institutions**  
Gateway to Great Life!

**WEBINAR ON**  
Automotive Body Design

**Mr.R.Shanawas,**  
Design, Analysis & CAM,  
CADD Centre,  
Namakkal - 637001

**Convener**  
Dr.N.Balakrishnan,  
Professor & Head / Mech.

**Co-ordinators**  
Dr.S.Saravanan,  
Associate Professor / Mech  
Dr.Sachin S Raj,  
Assistant Professor / Mech  
Dr.C.Thiruvosagam,  
Assistant Professor / Mech

**Participants**  
Students

**Contact No**  
+91 6380564994,  
+91 9994307977,  
+91 9942227927.

**26 MAY 2021**  
**10:30 AM TO 11:30 AM**

**Registration Link**  
<https://forms.gle/YtIB7zrNvaLcCah6>

**Meeting ID for Webinar**  
<https://meet.google.com/ehe-hmtq-ddm>

**Google Meet**

For Mechanical Engineering students

NH-7, A.K.Samuthiram, Rachol (PO), Namakkal Dist, Tamil Nadu - 637 018 | Mobile: +91 99444 93900, Ph: +91 75982 93888, +91 75982 93999 | www.ggt.org.in, info@ggt.org.in

Our Department of Mechanical Engineering has organized a Webinar on entitled “Advancement in IC Engines.” on 07.11.2020 from 10.00 am to 12.00 pm. Our chief guest Dr.S.Srihari, Assistant Professor, Department of Mechanical Engineering, Scholl of Engineering, Coimbatore Campus, Amirta Vishwa Vidyapeetham. handled the session and enriched the students’ knowledge.

**WEBINAR ON**

**Advancement in IC Engines.**

**DEPARTMENT OF MECHANICAL ENGINEERING**

**Dr.S.Srihari,**  
Asst. Professor,  
Dept. of Mechanical Engineering,  
School of Engineering,  
Coimbatore Campus,  
Amirta Vishwa Vidyapeetham.

**Convener**  
Dr.N.Balakrishnan,  
Professor & Head / Mech.

**Co-ordinator Details**  
Mr.R.Raja,  
Asst. Professor / Mech.

**Participants**  
Faculty & Students

**Contact No**  
+91 9524530668  
+91 6382672337

**07 NOVEMBER 2020**  
**10:30 AM TO 11:30 AM**

**Registration Link**  
<https://forms.gle/7Yd1yMy8aov5>

**COUNSELLING CODE**  
**2624**

**Zoom**

© Certificate will be provided only for attendance.  
The registered participants will get meeting ID through your registered E-mail ID.

NH-7, A.K.Samuthiram, Rachol (PO), Namakkal Dist, Tamil Nadu - 637 018 | Mobile: +91 99444 93900, Ph: +91 75982 93888, +91 75982 93999 | www.ggt.org.in, info@ggt.org.in



Our Department of Mechanical Engineering has organized a Webinar on entitled “Motivational Talk on Entrepreneurship” on 18.11.2020 from 11.30 am to 12.30 pm. Our chief guest, Mr.S.Pandiyan, Founder, Kathir Sudhir Automation Solutions, Chennai. handled the session and enriched the students’ knowledge.

**WEBINAR ON**

**Motivational Talk on Entrepreneurship**

**Mr.S.Pandiyan,**  
Founder,  
Kathir Sudhir automation solutions,  
Chennai.

**DEPARTMENT OF MECHANICAL ENGINEERING**

**Convener**  
Dr.N.Balakrishnan,  
Professor & Head / Mech.

**Co-ordinator Details**  
Mr.R.Sateesh,  
Asst. Professor / Mech.

**Participants**  
Faculty & Students

**Contact No**  
+91 9944206462

**18 NOVEMBER 2020**  
**11:30 AM TO 12:30 PM**

**Registration Link**  
<https://forms.gle/AanzUzm31Slpdp38>

**COUNSELLING CODE**  
**2624**

**Zoom**

E-Certificate will be provided only for attendance.  
The registered participants will get meeting ID through your registered E-Mail ID.

NH-7, A.K.Samuthiram, Rachol (PO), Namakkal Dist, Tamil Nadu - 637 018 | Mobile: +91 99444 93900, Ph: +91 75982 93888, +91 75982 93999 | [www.gct.org.in](http://www.gct.org.in), [info@gct.org.in](mailto:info@gct.org.in)

**WEBINAR ON**

**Industrial Vibration Problems**

**Dr.V.Hariharan,**  
Professor,  
Dept. of Mechanical Engineering,  
Kongu Engineering College,  
Erode.

**DEPARTMENT OF MECHANICAL ENGINEERING**

**Convener**  
Dr.N.Balakrishnan,  
Professor & Head / Mech.

**Co-ordinator Details**  
Mr.D.Vimal kumar,  
Asst. Professor / Mech.

**Participants**  
Faculty & Students

**Contact No**  
+91 7845565173

**09 DECEMBER 2020**  
**11:30 AM TO 12:45 PM**

**Registration Link**  
<https://forms.gle/gY1186DiBRtggi9>

**Google Meet**

E-Certificate will be provided only for attendance.  
The registered participants will get meeting ID through your registered E-Mail ID.

NH-7, A.K.Samuthiram, Rachol (PO), Namakkal Dist, Tamil Nadu - 637 018 | Mobile: +91 99444 93900, Ph: +91 75982 93888, +91 75982 93999 | [www.gct.org.in](http://www.gct.org.in), [info@gct.org.in](mailto:info@gct.org.in)

Our Department of Mechanical Engineering has organized a Webinar on entitled “Economic Analysis of Eco-Friendly Refrigerants.” on 10.12.2020 from 11.00 am to 12.15 pm. Our chief guest, Dr.P.Elumalai, Professor, Department of Mechanical Engineering, Nehru Institute of Engineering and Technology, Coimbatore, handled the session and enriched the students’ knowledge.

**WEBINAR ON**

**Economic Analysis of Eco-friendly Refrigerants**

**Dr.P.Elumalai, M.E., Ph.D.,**  
Professor / Mechanical Engineering,  
Nehru Institute of Engineering and Technology,  
Coimbatore.

**DEPARTMENT OF MECHANICAL ENGINEERING**

**Convener**  
Dr.N.Balakrishnan,  
Professor & Head / Mech.

**Co-ordinator Details**  
Ms.R.Abarna,  
Asst. Professor / Mech.

**Participants**  
Faculty & Students

**Contact No**  
+91 9600649718

**10 DECEMBER 2020**  
**11:00 AM TO 12:15 PM**

**Registration Link**  
<https://forms.gle/eoSdpdASbbiFnp6>

**Google Meet**

E-Certificate will be provided only for attendance.  
The registered participants will get meeting ID through your registered E-Mail ID.

NH-7, A.K.Samuthiram, Rachol (PO), Namakkal Dist, Tamil Nadu - 637 018 | Mobile: +91 99444 93900, Ph: +91 75982 93888, +91 75982 93999 | [www.gct.org.in](http://www.gct.org.in), [info@gct.org.in](mailto:info@gct.org.in)

Our Department of Mechanical Engineering has organized a webinar on titled “Industrial Vibration Problems” on 09.12.2020 from 11.30 am to 12.45 pm. Our chief guest, Dr.V.Hariharan, Professor, Department of Mechanical Engineering, Kongu Engineering College, Erode. handled the session and enriched the students’ knowledge.

Our Department of Mechanical Engineering has organized a Webinar on entitled “Introduction To Lean Manufacturing” on 17.12.2020 from 11.30 am to 12.45 pm. Our chief guest, Dr.M.Chandrasekaran, Dean, Academic Courses & Director, Department of Mechanical Engineering, Vels Institute of Science, Technology & Advanced Studies, Chennai, handled the session and enriched the students’ knowledge.

**WEBINAR ON**  
Introduction to Lean Manufacturing

**Gnyanamani**  
Educational Institutions  
*Guidance & Great Life!*

**DEPARTMENT OF MECHANICAL ENGINEERING**

**Dr.M.Chandrasekaran,**  
M.E., MBA, Ph.D.,  
Dean,  
Academic Courses & Director,  
Dept. of Mechanical Engineering,  
Vels Institute of Science,  
Technology & Advanced Studies,  
Pallavaram, Chennai.

**Convener**  
Dr.N.Balakrishnan,  
Professor & Head / Mech.

**Co-ordinator Details**  
Mr.C.Kumaresan,  
Asst. Professor / Mech.

**Participants**  
Faculty & Students

**Contact No**  
+91 9688305899  
+91 8220866795

**17 DECEMBER 2020**  
**11:30 AM TO 12:45 PM**

**Registration Link**  
<https://forms.gle/fy9ta4tma1faRz219>

**Google Meet**

E-Certificate will be provided only for attendance  
The registered participants will get meeting ID through your registered E-Mail ID.

NH-7, A.K.Samuthiram, Pachal (PO),  
Namakkal Dist, Tamil Nadu - 637 018 | Mobile: +91 99444 93900  
Ph: +91 75982 93888, +91 75982 93999 | [www.gct.org.in](http://www.gct.org.in)  
info@gct.org.in

Our Department of Mechanical Engineering has organized a Webinar on titled “Emerging Materials For Industrial Application – A Details Perspective.” on 08.01.2021 from 11.30 am to 12.45 pm. Our chief guest, Dr.G.Sahaya Denish Babu, Assistant Professor, Department of Physics, Chetnad College of Engineering and Technology, Karur, handled the session and enriched the students’ knowledge.

**WEBINAR ON**  
Emerging Materials for Industrial Applications - A Detailed Perspective

**Gnyanamani**  
Educational Institutions  
*Guidance & Great Life!*

**DEPARTMENT OF MECHANICAL ENGINEERING**

**Dr.G.Sahaya Denish Babu,** M.Sc., M.Tech., Ph.D.,  
Assistant Professor,  
Department of Physics,  
Chetnad College of Engineering  
and Technology,  
Karur.

**Convener**  
Dr.N.Balakrishnan,  
Professor & Head / Mech.

**Co-ordinator Details**  
Mr.J.Mahendrarvarman,  
Assistant Professor / Mech.

**Participants**  
Faculty & Students

**Contact No**  
+91 8344531158

**08 JANUARY 2021**  
**11:30 AM TO 12:45 PM**

**Registration Link**  
<https://forms.gle/3zjURVCZ851P5QZf9>

**Google Meet**

E-Certificate will be provided only for attendance  
The registered participants will get meeting ID through your registered E-Mail ID.

NH-7, A.K.Samuthiram, Pachal (PO),  
Namakkal Dist, Tamil Nadu - 637 018 | Mobile: +91 99444 93900  
Ph: +91 75982 93888, +91 75982 93999 | [www.gct.org.in](http://www.gct.org.in)  
info@gct.org.in

Our Department of Mechanical Engineering has organized a Webinar on entitled “Carrier Opportunities After Graduation and Higher Education.” on 28.04.2021 from 10.30 am to 11.30 am. Our chief guest, Mr N.Gowrishankar, Senior Manager, Sustone Eduversity, Bangalore, handled the session and enriched the students’ knowledge.

**WEBINAR ON**  
Career Opportunities after Graduation and Higher Education

**Gnyanamani**  
Educational Institutions  
*Guidance & Great Life!*

**DEPARTMENT OF MECHANICAL ENGINEERING**  
in association with  
HIGHER EDUCATION CELL

**Mr.N.Gowrishankar,**  
Senior Manager,  
Sunstone Eduversity,  
Bangalore.

**Convener**  
Dr.N.Balakrishnan,  
Professor & Head / Mech.

**Co-ordinator Details**  
Dr.Sachin S Raj, Assistant Professor / Mech  
Dr.S.Saravanan, Associate Professor / Mech  
Dr.C.Thiruvassagam, Assistant Professor / Mech  
Mr.A.Venkatash, HEC Incharge.

**Contact No**  
+91 6380564994  
+91 9994307977  
+91 9942227927

**28th APRIL 2021**  
**10:30 AM TO 11:30 AM**

**Registration Link**  
<https://forms.gle/mTk67Yd1yMy8oavv5>

**Meeting ID for webinar**  
<https://meet.google.com/chp-iyeg-rvh>

**Participants: Final year students of all UG departments**

NH-7, A.K.Samuthiram, Pachal (PO),  
Namakkal Dist, Tamil Nadu - 637 018 | Mobile: +91 99444 93900  
Ph: +91 75982 93888, +91 75982 93999 | [www.gct.org.in](http://www.gct.org.in)  
info@gct.org.in



Our Department of Mechanical Engineering has organized a guest lecture titled "Overview about an Engineering Industry:" on 12.05.2021 from 10.30 am to 11.30 am. Our chief guest, Mr.R.Venkataraman, Vendor Quality Assurance, ISO Auditor, TQM Consultant, Coimbatore, handled the session and enriched the students' knowledge.

**DEPARTMENT OF MECHANICAL ENGINEERING**

**Gnyanamani Educational Institutions**  
Gateway to Great Life!

**WEBINAR ON**  
Overview about an Engineering Industry

**Mr.R.Venkataraman,**  
Vendor Quality Assurance,  
ISO Auditor,  
TQM Consultant,  
Coimbatore - 641037

**Convener**  
Dr.N.Balakrishnan,  
Professor & Head / Mech.

**Co-ordinator Details**  
Dr.C.Thiruvassagam,  
Assistant Professor / Mech.  
Dr.Sachin S Raj,  
Assistant Professor / Mech  
Dr.S.Saravanan,  
Associate Professor / Mech

**Participants**  
Students

**Contact No**  
+91 9942227927,  
+91 6380564994,  
+91 9994307977.

**12 MAY 2021**  
**10:30 AM TO 11:30 AM**

**Registration Link**  
<https://forms.gle/mTk67Yd1yMy8oavx3>

**Meeting ID for Webinar**  
<https://meet.google.com/ctj-iyeg-rvh>

**Google Meet**

For final year students of all UG departments

NH-7, A.K.Somuthiram, Pachal (PO), Namakkal Dist, Tamil Nadu - 637 018 | Mobile: +91 99444 93900, Ph: +91 75982 93888, +91 75982 93999 | www.gct.org.in info@gct.org.in

**DEPARTMENT OF MECHANICAL ENGINEERING**

**Gnyanamani Educational Institutions**  
Gateway to Great Life!

**WEBINAR ON**  
Automotive Body Design

**Mr.R.Shanawas,**  
Design, Analysis & CAM,  
CADD Centre,  
Namakkal - 637001

**Convener**  
Dr.N.Balakrishnan,  
Professor & Head / Mech.

**Co-ordinators**  
Dr.S.Saravanan,  
Associate Professor / Mech  
Dr.Sachin S Raj,  
Assistant Professor / Mech  
Dr.C.Thiruvassagam,  
Assistant Professor / Mech

**Participants**  
Students

**Contact No**  
+91 6380564994,  
+91 9994307977,  
+91 9942227927.

**26 MAY 2021**  
**10:30 AM TO 11:30 AM**

**Registration Link**  
<https://forms.gle/Y1B7zrNxlCcahi6>

**Meeting ID for Webinar**  
<https://meet.google.com/ehe-htntq-ddm>

**Google Meet**

For Mechanical Engineering students

NH-7, A.K.Somuthiram, Pachal (PO), Namakkal Dist, Tamil Nadu - 637 018 | Mobile: +91 99444 93900, Ph: +91 75982 93888, +91 75982 93999 | www.gct.org.in info@gct.org.in

Our Department of Mechanical Engineering has organized a guest lecture titled "Automotive body design" on 26-05-2021 from 10.30 am to 11.30 am. Our chief guest, Mr.R.Shanawas, Design, Analysis & CAM, CADD Centre, Namakkal, handled the session and enriched the students' knowledge.

Our Department of Mechanical Engineering has organized a guest lecture titled "The opportunity connect" on 01.06.2021 from 11.00 am to 12.00 pm. Our chief guest, Mr.R.Ragunathan, Business Head, Institute of Industrial Design, Salem, handled the session and enriched the students' knowledge.

**Gnyanamani Educational Institutions**  
Gateway to Great Life!

Department of **Mechanical Engineering** in association with **Placement Cell**

GCT Experts Connect Webinar on  
**"THE OPPORTUNITY CONNECT"**  
by /Mr.R.Ragunathan

**Register** and get an opportunity for live interaction with an **Industry expert!**

**You get:**  
Advanced Notes | Industry trends | QnA

**Mr.R.Ragunathan,**  
Business Head,  
Institute of  
Industrial Design,  
Salem.

**#GCTEXPERTSCONNECT**

**01 JUNE 2021**  
**11:00 AM to 12:00 Noon**

**Registration Link** **Meeting ID** **Google Meet**

+91 6380564994 | +91 9994307977 | +91 9942227927



Our Department of Mechanical Engineering has organized a guest lecture entitled “Why we need Wind Energy and How it’s Construct?” on 10.06.2021 from 11.00 am to 12.00 pm at Ramanjunam Hall. Our chief guest, Mr.S.Pavithran, Deputy Engineer in ZF Wind Power, Coimbatore Pvt. Ltd., Coimbatore handled the session and enriched the students’ knowledge.

**Gnyanamani**  
Educational Institutions  
*Gateway to Great Life!*

Department of  
**Mechanical Engineering**

GCT Experts Connect Webinar on  
**"WHY WE NEED WIND ENERGY AND HOW ITS CONSTRUCT"**  
by *Mr.S.Pavithran*

Register and get an opportunity for live interaction with an Industry expert!

#GCTEXPERTSCONNECT  
10<sup>th</sup> June 2021  
11 AM - 12 Noon

Register Here Meeting ID

Google Meet

*Mr.S.Pavithran,*  
Deputy Engineer in ZF Wind power Coimbatore Pvt. Ltd. Coimbatore.

+91 6380564994 | +91 9994307977 | +91 9942227927 For third year students of Mechanical Engineering

**Gnyanamani**  
Educational Institutions  
*Gateway to Great Life!*

Department of  
**Mechanical Engineering**

GCT Experts Connect Webinar on  
**"ANALYSIS OF SHELL AND HEAT EXCHANGERS"**  
by *Dr. K. Vetrivel Kumar*

Register and get an opportunity for live interaction with a Professor!

#GCTExpertsConnect  
25<sup>th</sup> June 2021  
11 AM - 12 Noon

You get: E-certificate | Advanced Notes | QnA session.

Register Link Meeting ID

Google Meet

*Dr. K. Vetrivel Kumar*  
Professor & Head,  
Department of Mechanical Engineering,  
Dhanalakshmi Srinivasan College  
of Engineering, Coimbatore.

+91 6380564994 | +91 9994307977 | +91 9942227927

Our Department of Mechanical Engineering has organized a guest lecture entitled “Analysis of shell and heat exchanger” on 25.06.2021 from 11.00 am to 12.00 pm. Our chief guest, Dr.K.Vetrivel Kumar, Professor & Head, Department of mechanical Engineering, Dhanalakshmi Srinivasan College of Engineering, Coimbatore, handled the session and enriched the students’ knowledge.

**“ Failure is central to engineering. Every single calculation that an engineer makes is a failure calculation. Successful engineering is all about understanding how things break or fail ”**  
– Henry Petroski

## STUDENTS' EXTRA-CURRICULAR ACTIVITIES

Mr.D.Logesh, III year Mechanical Engineering, Gnanamani College of Technology, has been selected for the state level under 19 cricket team. He has won the man of the match under the fourth division BSNL club and is currently deputed under the MIG cricket club Mumbai. He will be playing in the Ranji Trophy if he performs well. The Management congratulates him and will provide necessary support. We wish him all the very best for his future endeavors.





**Gnyanamani**  
Educational Institutions  
*Gateway to Great Life!*



**Congratulations!**



## STUDENT PLACEMENT

S.No	Name of the Company	No. of Students
1	All Payments Transfers, Namakkal	5
2	Eximio Services & Solutions Pvt Ltd, Chennai	8
3	Gestamp Automotive Chennai Pvt Ltd, Chennai	16
4	Just Dial Limited	20
5	Mahendra Next wealth	14
6	NEEL Metal Products Ltd, Hosur (JBM Group)	33
7	Sutherland Global Services	12
8	Taurus Bpo Service Indian LLP, Chennai	15
9	Zealous services, Chennai	12
	<b>Total</b>	<b>135</b>

## **From the editors' Desk**

Once more, it is with immense pleasure that we were given the opportunity to work on the Eighth Edition of Gnanamani College of technology—Department of Mechanical Engineering Newsletter. As we all know, a newsletter mirrors a college-its vision and mission. It also highlights events, activities and academic prowess and achievements. In this edition, we have tried to capture last six months excitement and activities. We do hope that the newsletter encourages many more, including students to use it as a platform to express their creativity. We sincerely hope that this edition makes for an interesting read. Please feel free to offer any suggestions for our improvement.

Sincerely,  
Editorial Team

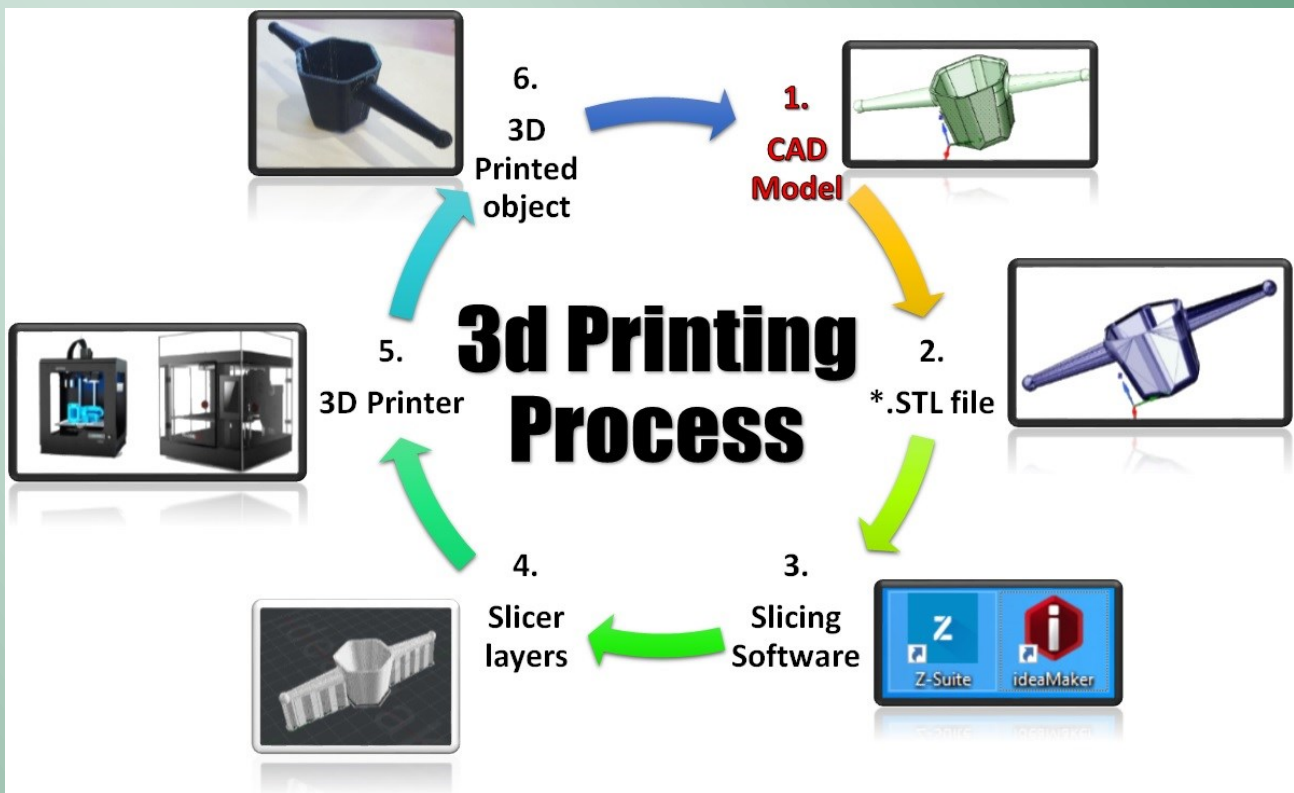
### **EDITORIAL BOARD**

<b>Patron</b>	:	Dr.T.K.Kannan, Principal
<b>Chief Editor</b>	:	Dr.N.Balakrishnan, Head / Mech
<b>Editor</b>	:	Mr.A.Eswaran, AP / Mech
<b>Student Editors</b>	:	Mr.E.Kuralarasan, IV-Mech Mr.S.Sathis Kumar, IV-Mech Mr.A.K.Mohanasundar, III-Mech

Reach us @ [gnanenthiratimes@gct.org.in](mailto:gnanenthiratimes@gct.org.in)



## ABOUT 3D PRINTING



The most common industry for each 3D printing application (besides prototyping)

Medical Devices



Research and Development

73%

Consumer Electronics



Production Parts

52%

Automotive



Bridge Production

39%

Transportation



Repair and Maintenance

38%

Medical Devices



Jigs, Fixtures and Tooling

37%



## Our Recruiters

