

Volume 6, Issue 2

2018-19

**Newsletter**

# *Gnan Enthira Times*

*Department of Mechanical Engineering*



**Gnanamani College of Technology**

Accredited by NACC and NBA

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

## Vision of the Institute

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 of the Institute

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.

## Vision of the Department

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

- \* 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)

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. 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.
11. 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.

**Faculty Activities - Faculty Development Programmes attended Details**

- ◆ Mr.A.Aravindh attended FDP on ME6505-Dynamics of Machines at Nandha Engineering College, Erode, dated 05.12.2018-08.12.2018.
- ◆ Mr.R.Sam Mathew Praveen attended FDP on ME6505-Dynamics of Machines at Nandha Engineering College, Erode, dated 05.12.2018-08.12.2018.
- ◆ Mr.M.Gokul attended FDP on ME6505-Dynamics of Machines at Nandha Engineering College, Erode, dated 05.12.2018-08.12.2018.
- ◆ Mr.P.Manikandan attended FDP on ME6505-Dynamics of Machines at Nandha Engineering College, Erode, dated 05.12.2018-08.12.2018.
- ◆ Mr.P.Chandru attended FDP on ME6505-Dynamics of Machines at Nandha Engineering College, Erode, dated 05.12.2018-08.12.2018.
- ◆ Mr.R.Sri Sabarinathan attended FDP on Vibration Measurement, Analysis and Control at PSG College of Technology, Coimbatore, dated 27.05.19-30.05.19.
- ◆ Mr.N.Sivakumar attended FDP on Vibration Measurement, Analysis and Control at PSG College of Technology, Coimbatore, dated 27.05.19-30.05.19.
- ◆ Mr.M.Venugopal attended FDP on Vibration Measurement, Analysis and Control at PSG College of Technology, Coimbatore, dated 27.05.19-30.05.19.
- ◆ Mr.G.Arundeesh attended FDP on Vibration Measurement, Analysis and Control at PSG College of Technology, Coimbatore, dated 27.05.19-30.05.19.
- ◆ Mr.N.Dileepan attended FDP on Vibration Measurement, Analysis and Control at PSG College of Technology, Coimbatore, dated 27.05.19-30.05.19.
- ◆ Mr.A.Eswaran attended FDP on Vibrations and Aero-elasticity at Bharath Institute Of Science And Technology, dated 13.05.2019-18.05.2019.
- ◆ Mr.C.Thiruvassagam attended FDP on Vibrations and Aero-elasticity at Bharath Institute Of Science And Technology, dated 13.05.2019-18.05.2019.
- ◆ Mr.M.Prabhu attended FDP on Vibrations and Aero-elasticity at Bharath Institute Of Science And Technology, dated 13.05.2019-18.05.2019.
- ◆ Mr.M.Selvaraj attended FDP on Vibrations and Aero-elasticity at Bharath Institute Of Science And Technology, dated 13.05.2019-18.05.2019.
- ◆ Dr.M.Asok Rajkumar attended FDP on ME 6603-Finite Element Analysis at Government College Of Engineering, Thanjavur, dated 10.12.2018-21.12.2018.
- ◆ Dr.N.Balakrishnan attended FDP on



- ME 6603-Finite Element Analysis at Government College Of Engineering, Thanjavur, dated 10.12.2018-21.12.2018.
- ◆ Dr.T.K.Kannan attended FDP on ME 6603-Finite Element Analysis at Government College Of Engineering, Thanjavur, dated 10.12.2018-21.12.2018
  - ◆ Dr.P.Arulmozhi attended FDP on Artificial Intelligence at Arasu Engineering College, Kumbakonam, dated 19.11.2018-24.11.2018.
  - ◆ Ms.R.Abarna attended FDP on Artificial Intelligence at Arasu Engineering College, Kumbakonam, dated 19.11.2018-24.11.2018.
  - ◆ Mr.D.Vimal Kumar attended FDP on Artificial Intelligence at Arasu Engineering College, Kumbakonam, dated 19.11.2018-24.11.2018.
  - ◆ Mr.V.P.Karthik attended FDP on Artificial Intelligence at Arasu Engineering College, Kumbakonam, dated 19.11.2018-24.11.2018.

### Student Activities - Paper Presentation

Student Name	Date	Paper Title	Title of the Event	Organizing Institution & Venue
Vidya M	02.02.2019	Aero capture	ARM'19	AVS engineering college salem
Jaganathan S	02.02.2019	Aero capture	ARM'19	AVS engineering college salem
Vivekanandan D	02.02.2019	Aero capture	ARM'19	AVS engineering college salem
Ranjith kumar R	02.02.2019	Aero capture	ARM'19	AVS engineering college salem
Rajesh kumar v	02.02.2019	Advance rocket motor	ARM'19	AVS engineering college salem
Mani kandan A	02.02.2019	Advance rocket motor	ARM'19	AVS engineering college salem
Sridhar R	02.02.2019	Advance rocket motor	ARM'19	AVS engineering college salem
Karthik E	02.02.2019	Advance rocket motor	ARM'19	AVS engineering college salem
Santha kumar V	02.02.2019	Air Casters	ARM'19	AVS engineering college salem
Anbazhagan M	02.02.2019	Air Casters	ARM'19	AVS engineering college salem
Akash P	02.02.2019	Air Casters	ARM'19	AVS engineering college salem

Student Name	Date	Paper Title	Title of the Event	Organizing Institution & Venue
Christian livingston B	02.02.2019	Air Casters	ARM'19	AVS engineering college salem
Ragupathi R	09.02.2019	Advance composite	SPAZIO'19	Excel engineering college salem
Gopala krishnan M	09.02.2019	Advance cooling system	GEARS 2 GO-19	M.Kumarasamy college of engineering karur
Gowdhaman R	09.02.2019	Advance cooling system	GEARS 2 GO-19	M.Kumarasamy college of engineering karur
Senthil vel R	22.02.2019	Gas turbine	MECHORZ 2K19	Government college of engineering dharmapuri
Senthamil kumaran N	22.02.2019	Gas turbine	MECHORZ 2K19	Government college of engineering dharmapuri
Praveen kumar v	22.02.2019	Manufacturing technology	MECHORZ 2K19	Government college of engineering dharmapuri
Ragupathi R	22.02.2019	Recent trends in piston force	MECHORZ 2K19	Government college of engineering dharmapuri
Vinoth kumar N	27.02.2019	Adaptive controler	MECHRONIN S'19	Knowledge institute of Technology Salem
Vigneshwaran S	27.02.2019	Adaptive controler	MECHRONIN S'19	Knowledge institute of Technology Salem
Tamilvanan A	27.02.2019	Adaptive controler	MECHRONIN S'19	Knowledge institute of Technology Salem
Manivel M	02.03.2019	Abrasive blast cleaning	SATLAA 19	Sengunthar engineering college tiruchengode
Saravanan S	15.03.2019	Air steel sheets bending processes of electro	NCAME'19	M.Kumarasamy college of engineering karur
Saravanan S	15.03.2019	Spring back in wipe bending proate process using ANOVA	CEIET 2019	Cheran college of engineering karur
Saravanan S	15.03.2019	Spring back in 'v'bending profile process using ANOVA	CEIET 2019	Cheran college of engineering karur

**Student Activities - Workshop Attended Details**

<b>Students Name</b>	<b>Title of the Workshops</b>	<b>Date</b>	<b>Organizing Institution &amp; Venue</b>
Sarukhan S	Mechanical workshop	23.12.2018	Development and design using CADD software
Sathish S	Mechanical workshop	23.12.2018	Development and design using CADD software
S.Seenu	Monitoring of Corrosion in Oil & Gas Refinery Steel Structures by Non Destructive Testing	01.02.2019	Kongu Engineering College, Erode
S.Shankar Siva	Monitoring of Corrosion in Oil & Gas Refinery Steel Structures by Non Destructive Testing	01.02.2019	Kongu Engineering College, Erode
K.Sasikumar	Monitoring of Corrosion in Oil & Gas Refinery Steel Structures by Non Destructive Testing	01.02.2019	Kongu Engineering College, Erode
S.Sathish	Monitoring of Corrosion in Oil & Gas Refinery Steel Structures by Non Destructive Testing	01.02.2019	Kongu Engineering College, Erode
K.Selva	Monitoring of Corrosion in Oil & Gas Refinery Steel Structures by Non Destructive Testing	01.02.2019	Kongu Engineering College, Erode
P.Tamil Selvan	Monitoring of Corrosion in Oil & Gas Refinery Steel Structures by Non Destructive Testing	01.02.2019	Kongu Engineering College, Erode
S.Sivarasan	Monitoring of Corrosion in Oil & Gas Refinery Steel Structures by Non Destructive Testing	01.02.2019	Kongu Engineering College, Erode
S.Tamilan	Cad Modelling	01.02.2019	M.Kumarasamy College of Engineering, Karur
R.Suganeshwaran	Cad Modelling	01.02.2019	M.Kumarasamy College of Engineering, Karur



<b>Students Name</b>	<b>Title of the Workshops</b>	<b>Date</b>	<b>Organizing Institution &amp; Venue</b>
G.Surya	Cad Modelling	01.02.2019	M.Kumarasamy College of Engineering, Karur
Surya Abinash I	Lean manufacturing workshop	15.02.2019	AU TVS center for quality management student quality council Anna university
Seeenu S	Lean manufacturing workshop	15.02.2019	AU TVS center for quality management student quality council Anna university
P.Tamil Selvan	A Scan to 3-D an Emerging Trend in Product Design	22.02.2019	KSR Institute for Engineering and Technology
P.Venkatesh	A Scan to 3-D an Emerging Trend in Product Design	22.02.2019	KSR Institute for Engineering and Technology
M.Yogeshwaran	A Scan to 3-D an Emerging Trend in Product Design	22.02.2019	KSR Institute for Engineering and Technology
V.Vaitheswaran	A Scan to 3-D an Emerging Trend in Product Design	22.02.2019	KSR Institute for Engineering and Technology
S.Vigneshwaran	A Scan to 3-D an Emerging Trend in Product Design	22.02.2019	KSR Institute for Engineering and Technology
S.Akash	A Scan to 3-D an Emerging Trend in Product Design	22.02.2019	KSR Institute for Engineering and Technology
M.Vijay	A Scan to 3-D an Emerging Trend in Product Design	22.02.2019	KSR Institute for Engineering and Technology

**Student Activities - Seminar Attended Details**

<b>Students Name</b>	<b>Title of the Seminar</b>	<b>Date</b>	<b>Organizing Institution &amp; Venue</b>
S.Sridharnath	Flow Behavior and Texture Evolution of a Lamellar Copper-Silver Composite	29.12.2018	Velalar College of Engineering And Technology (Autonomous)
S.Sivaprakash	Flow Behavior and Texture Evolution of a Lamellar Copper-Silver Composite	29.12.2018	Velalar College of Engineering And Technology (Autonomous)
A.Subash	Flow Behavior and Texture Evolution of a Lamellar Copper-Silver Composite	29.12.2018	Velalar College of Engineering And Technology (Autonomous)
S.AshokSaravanan	Flow Behavior And Texture Evolution Of A Lameller Copper-Silver Composite	29-12-2018	Velalar College Of Engineering And Technology
S.Sridharnath	Flow Behavior And Texture Evolution Of A Lameller Copper-Silver Composite	29.12.2018	Velalar College Of Engineering And Technology
S.Svaprakash	Flow Behavior And Texture Evolution Of A Lameller Copper-Silver Composite	29.12.2018	Velalar College Of Engineering And Technology
A.Subash	Flow Behavior And Texture Evolution Of A Lameller Copper-Silver Composite	29.12.2018	Velalar College Of Engineering And Technology
I.SuryaAbinash	Total Quality Management	13-02-2019	Au Tvs Centre For Quality Management Students Quality Council
S.Shankar siva	Total Quality Management	13.02.2019	Au Tvs Centre For Quality Management Students Quality Council
S.Seejnu	Total Quality Management	13.02.2019	Au Tvs Centre For Quality Management Students Quality Council

### Student Activities - Events Attended Details

Name of the participant	Title of the Event	Date	Organizing Institution & Venue
Santhosh Kumar V	Cad Modelling	9.02.2019	M.kumarasamy College Of Engineering
Surya Abinash I	Quest Event	14.02.2019	Au Tvs Centre For Quality Management Students Quality Council
Sridhar R	Electronic Wedge Braking System	15.02.2019	Muthayammal College Of Engineering
Mohanraj G	Electronic Wedge Braking System	15.02.2019	Muthayammal College Of Engineering
VIKKESH K	Piston free Engine	15.02.2019	Muthayammal College Of Engineering
Anbazhagan M	Internal Combustion Engine	15.02.2019	Muthayammal College Of Engineering
Anbalagan G	Power Generation By Using Two-Stroke	15.02.2019	Muthayammal College Of Engineering
Aravinth R	Automated Hammering Machine	15.02.2019	Muthayammal College Of Engineering
Abinesh S	Automated Hammering Machine	15.02.2019	Muthayammal College Of Engineering
Santhosh A	Piston Free Engine	15.02.2019	Muthayammal College Of Engineering
Senthamilkumaran N	Technical Talk	22.02.2019	Government College of Engineering
Senthilvel R	Technical Talk	22.02.2019	Government College of Engineering
Karthikeyan V	Technical Talk	22.02.2019	Government College of Engineering
Vishnu Das R	Technical Talk	22.02.2019	Government College of Engineering
Prakashpathi S	National Level Technical Symposium	22.02.2019	SSM Institute Of Engineering And Technology
Keerthivasan M	Technical Talk	22.02.2019	Government College of Engineering
Vishnu Dash R	Technical Talk	22.02.2019	Government College Of Engineering
MuraliDharan G	National Level Technical Symposium	23.02.2019	SSM Institute Of Engineering And Technology
Santhosh A	National Level Technical Symposium	23.02.2019	SSM Institute Of Engineering And Technology
Mohanraj G	National Level Technical Symposium	23.02.2019	SSM Institute Of Engineering And Technology
Karthikeyan V	Technical Talk	24.02.2019	Government College Of Engineering

### Student Activities - Project Presentation Event

Name of the participant	Title of the Event	Date	Organizing Institution & Venue
Aravinth R	Hand Operated Pneumatic Robot	02-02-2019	AVS Engineering College
Anbalagan G	Hand Operated Pneumatic Robot	02.02.2019	AVS Engineering College

### Student Achievement - Prize Winners

Name of the participant	Date	Title of the Event	Prize Won	Organizing Institution & Venue
Karthikeyan V	22.02.2019	Technical Talk	I	Government College of Engineering
Vishnu Das R	22.02.2019	Technical Talk	I	Government College of Engineering
Senthamilkumaran N	22.02.2019	Technical Talk	II	Government College of Engineering
Senthilvel R	22.02.2019	Technical Talk	I	Government College of Engineering

## Placement Day Celebrations 2k19

*Invitation*



**Gnanamani**  
Educational Institutions



NH-7, A.K.Samuthiram, Pachal Post, Namakkal Dt. - 637018

*The Management, Principals, Staff Members  
and Students Cordially invite you for the*

**Placement Day 2k19  
Celebrations**

to be held at 10.00 a.m. on 05<sup>th</sup> April 2019  
at our premises



**Vijay TV, Fame  
Mr.C.Gobinath**  
CEO & Founder of Taalkshop Academy


*has kindly consented to be the Chief Guest*






## Graduation Day

*Invitation*




**Gnanamani**  
Educational Institutions



NH-7, A.K.Samuthiram, Pachal post, Namakkal Dt. - 637018

### 9<sup>th</sup> Graduation Day

on 06<sup>th</sup> April 2019 Saturday at 10.00 a.m.  
@ our premises



**Honourable  
Dr.V.Murugesan**  
Vice Chancellor,  
Annamalai University

*will deliver the graduation day address  
& distribute the degree certificates*

**Dr.T.Arangannal**      **Mrs.P.Malaleena**  
Chairman                      Chairperson

will preside





## Annual Day Celebrations

*Invitation*



**Gnanamani**  
Educational Institutions



NH-7, A.K.Samuthiram, Pachal post, Namakkal Dt. - 637018

*The Management, Principals, Staff Members  
and Students Cordially invite you for the*

**Gnan Fest 2k19**  
*Annual Day  
Celebrations*

To be held at 2.00 p.m. on 05<sup>th</sup> April 2019  
At our premises



*"OUR FRIENDLY NEIGHBOURHOOD SUPERHERO"*  
**Mr. RJ Balaji**  
Actor, Tamil Cinema

*has kindly consented to be the Chief Guest*



## Placement Offers by our Students

Aagna Global Solutions, Chennai	- 29
CMS IT Services, Chennai	- 5
CRP India Pvt.Ltd, Chennai	- 21
Eastman Preci Tooling, Hosur	- 8
Ethnus Consultancy Services Pvt. Ltd, Chennai	- 2
G-Plast Pvt. Ltd, Coimbatore	- 63
IDBI Federal Life Insurance Co Ltd	- 1
India Infoline Finance Ltd, Chennai	- 35
Just Dial Pvt.Ltd, Chennai	- 5
LG Balakrishnan & Bro's Ltd, Coimbatore	- 33
Milekal Engineering Pvt.Ltd,Hyderabad	- 3
Murugappa Group Chola MS Ltd, Chennai	- 25
Padmanaba Wire Industries, Coimbatore	- 4
Platinum Precision Industries, Chennai	- 5
Sutherland Global Services,Chennai(Non-Voice)	- 1
Sutherland Global Services,Chennai(Voice)	- 4
Syrma Technology, Chennai	- 4
Vee Technologies, Salem	- 5
Vulturon Technologies, Salem	- 1



## Editorial board

Chief Editor	: Dr.N.Balakrishnan, HoD/Mech
Editor	: Mr.S.Saravanan, ASP/Mech
Student Editors	: Mr.K.Murugan, IV-Mech
	Ms.B.Bawyaa, IV-Mech
	Mr.S.Sathish Kumar, III-Mech

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



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