



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



VINAYAKA MISSION'S  
RESEARCH FOUNDATION  
(Deemed to be University under section 3 of the UGC Act 1956)



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**DEPARTMENT OF MECHANICAL ENGINEERING**

**CIRCULAR**

Ref No: 22-23/Even/Sem/01

17<sup>th</sup> Feb- 2023

The Department of Mechanical Engineering is organising a one day Seminar on **“DIGITALIZATION OF MECHANICAL DESIGN AND ANALYSIS”** for all Students on 20/02/2023.

All the students are requested to register and participate for the course.

The invitation is herewith attached.

**HOD**

Circulated to:	<ol style="list-style-type: none"><li>1. All the faculty members</li><li>2. All the students</li></ol>
Copy to	<ol style="list-style-type: none"><li>1. Principal Office</li><li>2. Department Notice Board</li></ol>



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## DEPARTMENT OF MECHANICAL ENGINEERING

*Cordially invites you all for*

### **ONE DAY SEMINAR**

**On**

### **DIGITALIZATION OF MECHANICAL DESIGN AND ANALYSIS**

DATE & TIME: 20<sup>th</sup> Feb 2023 & 10 AM

#### Resource Person

**Dr. Raj subbiah,**  
**Vice President, Hydro Modelling Inc.,**  
**Orlando, Canada.**

#### Presidential Address

**Dr.G.SELVAKUMAR**

**Principal**

#### Welcome Address

**Dr. M.PRABHAHAR /HOD MECH, AVIT**

#### Coordinator

**Mr.G Antony Casmir,**

**Assistant Professor Gr- II / MECHANICAL ENGINEERING -AVIT**

## BROCHURE



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**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

Cordially invites you all for the  
Seminar on

# Digitalization of Mechanical Design and Analysis

Resource Person



**Dr. Raj Subbiah, Ph.D**  
Vice President, Hydro Modelling Inc,  
Orlando, Canada.

20.02.2023 | 10.00a.m.

Venue: Digital Classroom

In the Presence of

**Dr. G. Selvakumar**, Principal, AVIT

**Dr. M. Prabhakar**, Professor and Head, Mechanical Engineering

Event Coordinator

**Mr. G. Antony Casmir**, AP-II / Mech



Organised by: Department of Mechanical Engineering  
in association with Indian Institution of Production Engineers (IIPrE)

AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF MECHANICAL ENGINEERING

Ref: 22-23/Even/Sem/01

Date: 22.02.2023

From

Mr.G Antony Casmir Jayaseelan  
Assistant Professor Gr II  
Mechanical Engineering  
Aarupadai Veedu Institute of Technology  
Paiyanoor-603 104

To

The Principal,  
Aarupadai Veedu Institute of Technology  
Paiyanoor-603 104

Respected Sir,

Sub: Submission of Mechanical Engineering Department Event-Report- Reg.

The Department of Mechanical Engineering has organized a one day Seminar on **DIGITALIZATION OF MECHANICAL DESIGN AND ANALYSIS** Program on 22.02.2023. The report of the programme is herewith attached for your kind perusal.

Thanking you,

With regards,



Event Coordinator

Mr.G.Antony Casmir  
AP (G-II)/MECH/AVIT



HOD/MECH/AVIT



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## DEPARTMENT OF MECHANICAL ENGINEERING

&

INDIAN INSTITUTION OF PRODUCTION ENGINEERS (IIPrE) student's chapter

### Report

### One Day Seminar on “DIGITALIZATION OF MECHANICAL DESIGN AND ANALYSIS”

20<sup>th</sup> Feb 2023

No. of. Participants-81

**Resource person: Dr. Raj subbiah, Vice President, Hydro Modelling Inc., Orlando, Canada.**

Department of Mechanical Engineering and Indian Institution of Production Engineers (IIPrE) together conducted a Seminar on the topic “**DIGITALIZATION OF MECHANICAL DESIGN AND ANALYSIS**” on 20<sup>th</sup> Feb 2023. Welcome address was given by Dr. M.Prabhahar, Professor & HOD. Chief Guest introduction was given by Mr. Ashish Kumar, IV / MECHANICAL ENGINEERING Year Mechanical. Vote of Thanks was given Mr.G.Antony Casmir Jayaseelan Asst.Prof (Gr-II)/Mech.

#### The topics covered in Seminar:

- Introduction about the basics of the digitalization approaches. It highlights the difference between digitization and digitalization.
- The use of the Internet and the growing Internet of Things (IoT) and use of artificial intelligence, robotics and data analytics.
- The impact of machine learning and artificial neural networks in the assembly, commissioning and testing of different machines.
- Various benefits of digital transformation.
- Various advantages of digitalization in industry.
- Various Key points that influence the Mechanical Design.

#### Seminar Outcome

- Automated generation of technical documents.
- Accelerated, data-driven decisions.
- The goal of digitization is to utilize digital technology to make information more easily accessible, storable, maintainable, and shareable.
- Helping businesses to reduce operating costs, speed up production, and improve cohesion between different stages of the manufacturing process.

#### Students Suggestion

- To arrange Industrial Visits. To know about Digitalization in Mechanical Design and Analysis in organisation.



M54H+HM8, Pattipulam, Tamil Nadu 603104, India

Latitude	Local	10:15:18 AM
12.6568904°	GMT	04:45:18 AM
Longitude	Altitude	3 meters
80.1793768°	Date	Mon, 20 Feb 2023

Note : Seminar on Digitalization of Mechanical Design and Analysis -20.02.2023



M54H+HM8, Pattipulam, Tamil Nadu 603104, India

Latitude	Local	10:35:02 AM
12.6568815°	GMT	05:05:02 AM
Longitude	Altitude	3 meters
80.1794296°	Date	Mon, 20 Feb 2023

Note : Seminar on Digitalization of Mechanical Design and Analysis -20.02.2023



M54H+HM8, Pattipulam, Tamil Nadu 603104, India

Latitude	Local	10:16:15 AM
12.6568633°	GMT	04:46:15 AM
Longitude	Altitude	3 meters
80.1794183°	Date	Mon, 20 Feb 2023

Note : Seminar on Digitalization of Mechanical Design and Analysis -20.02.2023



M54H+HM8, Pattipulam, Tamil Nadu 603104, India

Latitude	Local	10:13:01 AM
12.6568843°	GMT	04:43:01 AM
Longitude	Altitude	9.52 meters
80.17938°	Date	Mon, 20 Feb 2023

Note : Seminar on Digitalization of Mechanical Design and Analysis -20.02.2023

AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY  
VINAYAKA MISSIONS RESEARCH FOUNDATION

STUDENT ATTENDANCE SHEET  
DEPARTMENT OF MECHANICAL ENGINEERING

Association with

INDIAN INSTITUTION OF PRODUCTION ENGINEERS (IIPrE) STUDENT'S CHAPTER

SEMINAR ON "DIGITALIZATION OF MECHANICAL DESIGN AND ANALYSIS" ON 20/02/2023

SL.NO	REGISTER NUMBER	NAME OF THE STUDENT	SIGNATURE
1.	3442220506	MOHAMMED ASARFALI S	
2.	3442110509	T. Lohitheshan.	
3.	3442220508	V. Rajith	
4.	3442220510	SUBHAM MAL	
5.	3442220512	J. VASANTH KUMAR	
6.	3442220509	S. SRINIVASAN	
7.	3442110501	Anand Kumar Ram	
8.	3442110515	Jyeeel Kumar	
9.	3442010504	Akash Kumar	
10.	3442010512	Ranjan Kumar Mandal	
11.	3442120520	S. YIGANESH	
12.	3442255501	Abijith S	
13.	3442010504	chandan kumar	
14.	34420508	S. Mohamed Riyaz Khan	
15.	3442010507	Gopikrishna H	
16.	3442120511	SANJAY KRISHNAN K	
17.	3442010515	Tharun kumar	
18.	3442220504	T. GOKUL	
19.	3442156505	JERIN MATHEW THOMAS	
20.	3442110505	T. Purvraj	
21.	3442255501	P. Mohamed Al Ashim	
22.	3442110508	A. Logesh.	

	REG. NO.	NAME OF THE STUDENT	SIGNATURE
23	3442120518	R. THARUN	R. Tharun
24	3442010571	S. PONNARASU	S. Ponnarasu
25	3442010517	R. Vasanth Raj	R. Vasanth Raj
26	3442120505	P. GOVARTHAN	P. Govarthan
27	3442010516	K. Udhayam	K. Udhayam
28	3442120502	P. BALAJI	P. Balaji
29	3442120506	L. MADHAN RAJ	L. Madhan Raj
30	3442120521	V. VIGNESH	V. Vignesh
31	3441915531	A. Sarthash	A. Sarthash
32	3442120507 <del>3442120507</del>	Mankandan. M	Mankandan. M
33	3442120523	S. YOUNENDRAN	S. Y. Endran
34	3442257520	Shaique Fareedh Babu	Shaique Fareedh Babu
35	3442257510	DHEERAJ. S	Dheeraj. S
36	3442257515	Muhammed - P	Muhammed - P
37	3442257509	Athul Johnson	Athul Johnson
38	3442010514	P. Saranraj	P. Saranraj
39	3442257523	G. VENKATESHAN	G. Venkateshan
40	3442257522	T. Surya Prakash	T. Surya Prakash
41	3442020502	S. N. RISHI	S. N. Rishi
42	3441910524	Mohamed Rashid A	Mohamed Rashid A
43	3441910520	Mangampala Pavan	M. Pavan
44	3441910509	Astlin Sam	Astlin Sam
45	3442010518	R. VIGNESH	R. Vignesh
46	3442120515	M. SRIRAM	M. Sriram
47	3442110506	S. Krishna Balaji	S. Krishna Balaji
48	3442110511	P. Rajakumaran.	P. Rajakumaran.
49	3441910506	Ashish Kumar	Ashish Kumar
50			
51			
52			



REGISTER NO.	NAME OF THE STUDENT	SIGNATURE
54.	3441910533 Ranjit Tiwari	Ranjit Tiwari
55.	3441910501 Abhay Verma	Abhay Verma
56.	3441910527 Niranjan Kumar	Niranjan Kumar
57.	3441910512 Brajesh Kumar	Brajesh Kumar
58.	3441910511 Brajesh Kumar	Brajesh Kumar
59.	3441910530 RAHUL KUMAR	Rahul Kumar
60.	3442020503 M. Rakesh	M. Rakesh
61.	3442257516 N. Naga prasad Reddy	N. Naga prasad Reddy
62.	344225503 Atchil chandran	Atchil chandran
63.	3442257508 Aswanth .SP	Aswanth .SP
64.	3442156501 Anil Santosh	Anil Santosh
65.	3442156504 Asomul kis	Asomul kis
66.	3442156508 Midheen Shaji	Midheen Shaji
67.	3442156506 Vishnu Raju	Vishnu Raju
68.	3442054501 Deepak.PV	Deepak.PV
69.	3442156509 Ribo John Abraham	Ribo John Abraham
70.	3442156502 Anandhu.K. Raghavanathan	Anandhu.K. Raghavanathan
71.	3442155502 Diaz k bju	Diaz k bju
72.	3442156504 Melwin P Ebin	Melwin P Ebin
73.	3442156503 Arjun Girish	Arjun Girish
74.	3442257507 Ashish Varghese	Ashish Varghese
75.	3442257501 Adam Joseph	Adam Joseph
76.	3442257521 Sidharth .K.R .	Sidharth .K.R .
77.	3442257505 Amaljeet Biju	Amaljeet Biju
78.	3442254518 SAJAD . S	SAJAD . S
79.	3442257502 Adarsh .RS	Adarsh .RS
80.	3441910515 GOBIND MAURYA	Go maurya
81.	3441910521 MANISH KUMAR	Manish .