

## DEPARTMENT OF MECHANICAL ENGINEERING

### WEBINAR REPORT ON “DIGITAL TWIN DRIVEN SMART MANUFACTURING”.

HELD ON 17-06-2021

#### Coordinators



**Dr. R. Ramesh**



**Dr. C. Senthamarai Kannan**



**Mr. J Sivaramapandian**



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Dr C SENTHAMARAIKANNAN &lt;senthamarai@svce.ac.in&gt;

## Invitation to attend expert webinar on "Digital twin driven smart manufacturing"

Dr C Senthamarai Kannan MEC/SVCE &lt;senthamarai@svce.ac.in&gt;

Sun, Jun 13, 2021 at 8:50 PM

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Dear Sir/Madam,

Greetings from the **Department of Mechanical Engineering, Sri Venkateswara College of Engineering.**

We are pleased to invite you to register for the Expert Webinar on

**"Digital Twin Driven Smart Manufacturing"**, delivered by

**Dr. N. ARUNACHALAM, Associate Professor, Department of Mechanical Engineering, Indian Institute of Technology (IIT Madras),**

17<sup>th</sup> June, 2021 (Thursday) from 4.00 PM to 5.30 PM (IST).

For registration, please click here <https://forms.gle/FxCxKey5at59E19aA>

Also, we request you to circulate among your known contacts.

Thank you in advance.

With Regards

**Dr S. Ramesh Babu, HoD/Mech & Convenor**

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 **Digital twin webinar brochure.pdf**  
589K

## Department of Mechanical Engineering

Cordially invites you for a  
Webinar on

## Digital Twin Driven Smart Manufacturing

**Dr. N. ARUNACHALAM**

Associate Professor  
Department of Mechanical Engineering  
Indian Institute of Technology (IIT) Madras

**17<sup>th</sup> June 2021**  
**4:00 pm to 5:30 pm**

Register @ <https://forms.gle/FxCxKey5at59E19aA>



E - Certificates will be issued for all participants after successful registration and feedback

**Coordinators**  
**Dr. R. Ramesh**  
Professor  
**Dr. C. Senthamaraikannan**  
Assistant Professor  
**Mr. J. Sivaramapandian**  
Assistant Professor

**Convenor**  
**Dr. S. Ramesh Babu**  
Head of the Department  
Mechanical Engineering

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## **Program Schedule**

- **Prayer Song**
- **Welcome Address by**

**Dr M Mohandass**

- **Introduction to Chief Guest**

**Dr C SenthamaraiKannan**

- **Expert talk by**

**Dr. N. Arunachalam,**

- **Questionnaire and Feedback**

- **Vote of Thanks by**

**Dr R Ramesh**

## Resource Person Details



### Dr. N. Arunachalam

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2.	N Nimitha	RMK College of Engineering and Technology	Chennai
3.	Mr. Ramanjaneyulu Kolla	Sri Venkateswara College of Engineering	Chennai
4.	Renjish Vijay	TKM College of Engineering Kollam	Kollam
5.	VENKATESHWARAN N	RAJALAKSHMI ENGINEERING COLLEGE	CHENNAI
6.	SAKTHI BALAN G	K.RAMAKRISHNAN COLLEGE OF ENGINEERING	TRICHY
7.	Dr.N.Vinayaga Muruga Pandy	Dr.Mahalingam College of Engineering and Technology	Pollachi
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10.	Praveen Kumar R	Sri Venkateswara College of engineering	Kanchipuram
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12.	Mr G Kirubakaran	SVCE	Chennai
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16.	Dr. R. Muneeswaran	Solamalai college of engineering	Madurai
17.	Dr.S.Natarajan	Sri Venkateswara College of Engineering	Sriperumbudur
18.	C.DEVANATHAN	Rajalakshmi Engineering College	Chennnai
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20.	M.MAHESWARAN	SRI VENKATESWARA COLLEGE OF ENGINEERING	CHENNAI
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23.	Pravin A P	Sri vekateshwara college of engineering	Sriperumbudur
24.	Riyas	Sri Venkateswara College of engineering	Chennai



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42.	Dr.S.Gopinath	SVCE	Sriperumbudur
43.	DINESH R	Solamalai College of Engineering	Madurai
44.	Dr.Ilaiyavel S	Sri Venkateswara College of Engineering	Chennai
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48.	M.BALAKUMAR	Sri Venkateswara College of Engineering	Pennalur
49.	TAMILANBAN T	St.Joseph College of Engineering	Sriperumbudur
50.	SELVAN P	Erode Sengunthar Engineering College	Erode

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95.	B. JEYARAMAN	Sri Venkateswara College of Engineering	chennai
96.	VIJAYAKUMAR P	SRI SHAKTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY	COIMBATORE
97.	Saravanan S	Sri Venkateswara College of Engineering	Vellore
98.	Dr.S.SARAVANAN	Gnanamani College of Technology	Namakkal
99.	ABISHEK G	SRI VENKATESWARA COLLEGE OF ENGINEERING	CHENNAI
100.	Dr. J. Vivek	Solamalai college of Engineering	Madurai
101.	Soundarya N K	Kumaraguru College of Technology	Coimbatore

102.	S.A.VanKavin	Sri Venkateshwara College of Engineering	Tiruvallur
103.	Raja Subramanyam K	SVCE	Sriperumbudur
104.	Lokesh.U	Sri Venkateswara College of Engineering	Sriperumbudur
105.	S.SAKTHI BALAJI	Sri Venkateswara College of Engineering	Sriperumbudur
106.	S.Siddheshkumaar	sri venkateswara college of engineering	sriperambudur
107.	Lokeshkumar	Sri Venkateswara College of engineering	Sriperumbudur
108.	HARSHA VARDHAN J	SRI VENKATESWARA COLLEGE OF ENGINEERING	CHENNAI
109.	Dr.K.Chandrasekaran	MAM School of Engineering	Trichy
110.	Yashwanth C	Sri venkateswara college of engineering	Sriperumbudur
111.	SARAVANAN K G	Sona College of Technology	Salem
112.	Kalaimurugan K	Syed Ammal Engineering College	Ramanathapuram
113.	KAVIYARASAN R	Sri Venkateswara College Of Engineering	Namakkal
114.	Meer Thahir A.A.	Sri Venkateshwara College of Engineering	Chennai
115.	Arjun S V	Sri Venkateswara College of Engineering	Sriperumbudur
116.	Sudarshan.S	Sri Venteswara college of engineering	Chennai
117.	AVINN.A	Sri Venkateswara College of engineering	Sriperumbudur
118.	Magesh s	Sri venkestwara college of engineering	Tamilnadu
119.	GOPAL S	MUTHAYAMMAL ENGINEERING COLLEGE	Rasipuram
120.	Dr.P.PUGALENTHI	Paavai Engineering College	Namakkal
121.	Dr.J.NARENDRAN	Paavai College of Engineering	Namakkal
122.	Narenkumar.M	Sri venkateswara college of Engineering	Sriperumbudur
123.	M.Rc.Shivsharann	Sri Venkateswara College Of Engineering	Chennai
124.	Akash.R	Sri Venkateswara College of engineering	Sriperumbudur, Chennai
125.	Gautam N	SVCE	Chennai
126.	R.KIRUBAGHARAN	M.KUMARASAMY COLLEGE OF ENGINEERING	KARUR
127.	T.S.Akash	Sri venkateshwara college of engineering	Sriperumpathur
128.	B.Barathraj	Sri venkateswara college of engineering	Chennai

129.	D. Vimal kumar	Gnanamani college of technology	Namakkal
130.	Magilan Xavier A	Sri Venkateswara College of Engineering	Sriperumbudur
131.	BABU M	Mahendra Institute of Engineering and Technology	Namakkal
132.	Greatwin Gomez P	Sri Venkateswara college of engineering	Chennai
133.	Gnanamanola S	SVCE	Chennai
134.	Koodalingam	Syed ammal engineering college	Ramanathapuram
135.	S MURALIDHARAN	Muthayammal Engineering College (Autonomous)	Rasipuram
136.	Sudhagar S	Muthayammal Engineering College	Namakkal
137.	C. KUMARESAN	Gnanamani college of technology	Namakkal
138.	Dr.C.Thiruvagasam	Gnanamani College of Technology	Namakkal
139.	Kumaran	Sri Venkateswara College of Engineering	Sriperumbudur
140.	R.Prabu	Mahendra Engineering College	Namakkal
141.	Dr. G. Suganya	Sriram Engineering College	Perumalpattu
142.	Sasikumar C	Bannari Amman Institute of Technology	Sathyamangalam
143.	Nithish M	Sri Venkateswara College of Engineering	Sriperumbudur
144.	DEEPAK. K. R	SRI VENKATESWARA COLLEGE OF ENGINEERING	SRIPERUMBUDUR
145.	Dr. M. MAKESH	Paavai Engineering College	Namakkal
146.	M SHANMUGAM	Nandha Engineering College	Erode
147.	Sreesakthivel K	SVCE	Chennai
148.	6382114778	Sri venkatesawara college of engineering	Chennai
149.	Ajaykumar d	Sri Venkateswara College of engineering	Chennai
150.	R.Ayanar	Thiagarajar Polytechnic College	Salem
151.	Mr. Krishnakumar S	Gnanamani College of Technology	Pachal
152.	A.JAGADEESAN	Mahendra Institute of Engineering and Technology	Nammakkal
153.	LAVANYAA P	LAVANYAA P	Salem
154.	V.Ramesh Srenyvasan	Solamalai college of engineering	Madurai
155.	MOHANRAMKUMAR L.P	ANITHA & CO	SALEM
156.	Dr.V.Karthikeyan	Thiagarajar Polytechnic College	Salem
157.	Dharmaprabakaran.T	Syed ammal engineering college ra	Ramanathapuram

158.	Mr.L.PERIYANNAN	Mahendra Engineering College	Namakkal
159.	R.Raja	Gnanamani college of Technology	Namakkal
160.	A R VENKATARAMANAN	SONA COLLEGE OF TECHNOLOGY	SALEM
161.	SUGAN V	Mahendra Engineering College	Namakkal
162.	K ALAGAR PANDI	SOLAMALAI COLLEGE OF ENGINEERING MADURAI	MADURAI TAMILNADU
163.	Dr. S. BALAMURUGAN	MAHENDRA COLLEGE OF ENGINEERING	Salem
164.	V. SANTHOSH KUMAR	K. RAMAKRISHNAN COLLEGE OF ENGINEERING	TRICHY
165.	M. Prasanna Venkatesh	Sri Venkateswara College of Engineering	Chennai
166.	Dr. Satthiyaraju M	Kathir College of Engineering	Coimbatore
167.	Nithish k	Sri Venkateswara College of Engineering	Chennai
168.	Dr. Anil Ramdas Bari	Arts, Commerce and Science College, Bodwad	Jalgaon
169.	KARTHIK R	Sri Shakthi Institute of Engineering and Technology	Ciimbatore
170.	M.SATHISH KUMAR	ST JOSEPH'S INSTITUTE OF TECHNOLOGY	Chennai
171.	Sathish Kumar A	St Joseph's Institute of Technology	Chennai
172.	VIJAY.R	ARULMURUGAN COLLEGE OF ENGINEERING	KARUR
173.	Dr.N.Senthil Kumar	MAHENDRA COLLEGE OF ENGINEERING	SALEM
174.	KARTHE MANIVANNAN	M.Kumarasamy college of engineering	Karur
175.	Ravikrishnan.S	Sri Venkateswara College of Engineering	Chennai
176.	K.Boopathi	The Government Polytechnic college, Karur	Karur
177.	Dr.V.Subburam	Paavai Engineering College	Salem
178.	Sakthivel B	Sri Venkateswara College of engineering	Kanchipuram
179.	Nithishkumar V	Sri venkateswara college of engineering	Kanchipuram
180.	R.Sateesh	Gnanamani College of Technology	Namakkal
181.	Mr.A.Eswaran	Gnanamani College of Technology	Namakkal
182.	Dr.S.NEELAMEGAN	K.S.R. College of Engineering	Tiruchengode
183.	Dr. Jafrey Daniel James D	K. RAMAKRISHNAN COLLEGE OF ENGINEERING	Trichy
184.	C Balaji	Sri venketeswara college of engineering	Sriperumbudur chennai

185.	KALAIMEGAM D	Mahendra Engineering College	Mallasamuthiram
186.	G.SABARI NARAYANAN	Syed Ammal Engineering College,	Ramanathapuram
187.	M. Mathanbabu	Government college of engineering, Bargur	Krishnagiri
188.	S. KANTHASAMY	ST JOSEPH COLLEGE OF ENGINEERING	Sriperumbudur
189.	Dr.M.LOGANATHAN	M.KUMARASAMY COLLEGE OF ENGINEERING	Karur
190.	SIVAPRAGASAM A	Sona College of Technology	Salem
191.	PANDYARAJ V	SRI SAIRAM ENGINEERING college	CHENNAI
192.	Subin S T	Coimbatore institute of technology	Coimbatore
193.	Shanmugavel K	Sona College of Technology	Salem
194.	PANDYARAJ V	SRI SAIRAM ENGINEERING COLLEGE	CHENNAI
195.	PARTHASARATHY S	Sri Venkateswara College of Engineering	Chennai
196.	Ponsurya	Sri Venkateswara College of engineering	Sriperumbudur
197.	Prof. B. Pitchia Krishnan	Nandha College of Technology, Erode	Erode
198.	SRINIVASA PERUMAL K P	MAHENDRA ENGINEERING COLLEGE	NAMAKKAL
199.	ARUN PRAKASH R	PSG College of Technology	Coimbatore
200.	V.Vimala	Nandha College of Technology	Erode
201.	Dr.M.S.VIJAYANAND	Paavai Engineering College	Namakkal
202.	Dr.G.Chelladurai	Kamaraj college	Thoothukudi
203.	S. S. Nivas	A. V. C. College of Engineering	Mayiladuthurai
204.	PURUSHOTHAMAN R	A.V.C.COLLEGE OF ENGINEERING	Mayiladuthurai
205.	Dr.SACHIN S RAJ	Gnanamani College of Technology	Namakkal
206.	Mr.R.Alamuthu	Gnanamani College of technology	Namakkal
207.	Dr. K. SIVAKUMAR	Saveetha school of Engineering	Chennai
208.	Dr.M.PREETHA	S.A.ENGINEERING COLLEGE	CHENNAI
209.	Kamalesh D	Sri venkateswara college of engineering	Sriperambathur
210.	Mr. S. Santhosh	Mahendra Institute of Technology	Namakkal
211.	Kaviarasan V	Sona College of Technology	Salem
212.	Mr.SELVENDRAN.R	Hindusthan Institute of Technology	Coimbatore
213.	RAVINDRAN.M	MUTHAYAMMAL ENGINEERING COLLEGE	RASIPURAM

214.	Balaji Devarajan	KPR Institute of Engineering and Technology	Coimbatore
215.	Ramalingam R	Nandha Polytechnic College	Erode-52
216.	C. Sangeevi	Sri Shakthi Institute of Engineering and Technology	Coimbatore
217.	RAJMOHAN R	AVC COLLEGE OF ENGINEERING	MAYILADUTHURAI
218.	Dr.A.Arun Negemiya	Sri Shakthi Institute of Engineering and Technology	Coimbatore
219.	SUHAILUR REHMAN K	Sri Venkateswara College of Engineering	Chennai
220.	Vijayavignesh	Sri venkateshwara college of engineering	Sripermbuthur
221.	VISWA BHARATH	VISWA BHARATH	Chennai, Mylapore
222.	Dr Thiruvikraman C	M S Engineering College	Bangalore
223.	Dr.S.Gnanasekaran	Sri Shakthi Institute of Engineering and Technology	Coimbatore
224.	K.SARATHKUMAR	GNYANAMANI COLLEGE OF TECHNOLOGY	RASIPURAM
225.	Dr. M. MOHANDASS	SVCE	SRIPERUMBUDUR

## Coordinators




**Dr. R. Ramesh**



**Dr. C. Senthamarai Kannan**



**Mr. J Sivaramapandian**



Dr. S. RAMESH BABU, M.E., Ph.D  
Professor & Head  
Department of Mechanical Engineering  
Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur (TK) - 602117.  
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**One Day International Expert Webinar on  
“DIGITAL TWIN DRIVEN SMART MANUFACTURING”  
ON 17/06/2021.**

**Faculties watching Webinar**



## Students watching webinar



## One Page write up program objectives & Benefits.

This international webinar aims to provide knowledge on the research content “Digital twin driven digital manufacturing” to the participants. This online webinar provides a platform to connect peers in this field across India. Students, Research Scholars and aspiring faculty members benefited from the real time studies presented by the Speaker.

The webinar was successfully organized on 17.06.2021 by the Department of Mechanical Engineering, SVCE. This webinar was coordinated by Dr.R.Ramesh, Dr. C.Senthamarai Kannan AP/MEC, and Mr.J.Sivarama Pandian, AP/MEC. The resource person Dr. N. ARUNACHALAM, Associate Professor, Department of Mechanical Engineering, Indian Institute of Technology (IIT Madras), presented the webinar after the inaugural speech by our Assistant -Hod, Dr.M.Mohandass. The speaker examines the background, latest research, and application models for digital twin technology, and shows how it can be central to a smart manufacturing process.

The speaker had also extensively presented various research studies which he carried out internationally. His presentation analyzes the differences, synergies and possibilities for integration between digital twin technology and other technologies, such as big data, service and Internet of Things

The event was participated by 225 enthusiastic participants from across India. All the participants who had attended the event and given the feedback were issued with E-certificate.

### Coordinators



**Dr. R. Ramesh**



**Dr. C. Senthamarai Kannan**



**Mr. J Sivaramapandian**



Dr. S. RAMESH BABU, M.E., Ph.D  
Professor & Head  
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Tamilnadu, INDIA.

## DEPARTMENT OF MECHANICAL ENGINEERING

### Certificate of Participation

This is to certify that

**Dr. Jafrey Daniel James D,**

**K. RAMAKRISHNAN COLLEGE OF ENGINEERING**

has successfully participated in the Expert Webinar titled **“Digital Twin Driven Smart Manufacturing”**,  
Organised by the **Department of Mechanical Engineering, Sri Venkateswara College of Engineering,**  
**Sriperumbudur** on **17<sup>th</sup> June, 2021.**



**Dr. R. Ramesh**  
**Coordinator**



**Dr. S. Ramesh Babu**  
**Head of the Department**



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## DEPARTMENT OF MECHANICAL ENGINEERING

### Certificate of Participation

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**TAPAS CHAKRABORTY,**

**Saroj Mohan Institute of Technology**

has successfully participated in the Expert Webinar titled **“Digital Twin Driven Smart Manufacturing”**,  
Organised by the **Department of Mechanical Engineering, Sri Venkateswara College of Engineering,**  
**Sriperumbudur** on 17<sup>th</sup> June, 2021.



**Dr. R. Ramesh**  
**Coordinator**



**Dr. S. Ramesh Babu**  
**Head of the Department**



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Performer**



**Recognized  
Incubation Center**



**ISO Certified  
Organization**



**Accreditations**

# Webinar on Digital Twin Driven Smart Manufacturing on 17th June 2021

Email \*

nimithaece@rmkcet.ac.in

Name of the Participant \*

N Nimitha

Name of the College \*

RMK College of Engineering and Technology

Place \*

Chennai

Country \*

India

Whatsapp Number \*

9884448604

The information presented in the session was useful \*

	1	2	3	4	5	
Fair	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Excellent

The subject matter was presented effectively \*

	1	2	3	4	5	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Strongly Agree

The duration of the session was sufficient to get an overview of the topic \*

	1	2	3	4	5	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Strongly Agree

Overall FDP Organisation \*

	1	2	3	4	5	
Fair	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Excellent