



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

Event Name: Workshop on Composite Materials

Date:23.08.2018

INDEX

S.No	List of Contents	Page. No
1	Circular	1
2	Invitation	2
3	About the Program	3
4	About the speaker	4
5	Student Name List	5
6	Student Attendance Sheet	6
7	Certificate	7
8	Event Feedback	8



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

SSMIET/ Circular/ Mech/ 2018-2019


Dt: 17.08.2018

CIRCULAR

We are happy to inform that Department of Mechanical Engineering will be organizing Workshop “Composite Materials”, on 23rd August 2018 (Thursday) at New Seminar Hall. Interested students and staff members are requested to attend the program.


Event-Coordinator

[M. SABAREESWARAR]


HoD/ Mech

PRINCIPAL

Copy to:

All the HoD (To be circulated among all the staff Members and students)

Copy to Noticeboard



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai

Dindigul – Palani Highway, Dindigul -624 002

We cordially invite you to the Workshop

Organized by

Department of Mechanical Engineering

“Composite Materials”

Date: 23 August 2018 (Thursday) – 10.00 AM

Venue: New Seminar Hall

Resource Person

Dr.K. Jayakrishna

Associate Professor

School of Mechanical Sciences

VIT University, Vellore

Presidential Address

Dr.M.Saravanan

Principal, SSM Institute of Engineering Technology,
Dindigul

Dr.G.Sankaranarayanan

Professor and Head /
Mech. Engg

Dr.M.Sabareeswaran

Event-Coordinator



About the program

Composites have large scale commercial applications in marine applications, aerospace, automotive, marine, sporting goods, infrastructure, energy storage, biomedical etc. In the recent years, the development of new and improved composites manufacturing processes has led to limitless product development opportunities. The subject of manufacturing will be dealt within the framework of composite materials. The design portion includes an explanation of the concepts involved in the detailed design analysis of composites.

Topics

- Fundamentals of Composites
- Engineering Applications of Composite Materials.
- Primary Manufacturing Processes for Composites
- Secondary Manufacturing Processes for Composites
- Mechanics of Composite Materials
- Introduction to Finite Element Method and Mesh-free technique for the design analysis of Composite materials
- ANSYS Parametric Design Language (APDL) Programming for Composite Structures
- Meanfield Homogenisation for Composite Materials (RVE Analysis for calculation of effective composite properties)
- Structure Health Monitoring of Composites

About the Speaker

Jayakrishna K. is currently working as an Associate professor in the School of Mechanical Engineering at the VIT University at Vellore. He received his doctorate degree in production engineering from the National Institute of Technology, Tiruchirappalli in 2014, master's degree in Production engineering from P.S.G College of Technology, Coimbatore in 2009 and a bachelor's degree in mechanical engineering from Adhiyaman College of Engineering, in 2006. His research is focused on sustainable manufacturing processes and their applications in automotive industries. Jayakrishna's current work at VIT University investigates on imbining sustainable manufacturing practices into ERP systems for Industry 4.0. He has published 21 International journals papers in leading SCI/ SCOPUS Indexed journals and 48 papers in International conferences; he has also edited one book, co-authored three book chapters. He is editorial board member and reviewer of reputed international journals. He has received several awards including MHRD Postgraduate and Doctoral Scholarships and Best Paper Awards.



Associate Professor Grade 2

School of Mechanical Sciences

Department of Manufacturing Engineering

VIT University, Vellore



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

Event Name: Workshop on Composite Materials

Date: 23.08.2018

Venue : New Seminar Hall

Student name list

S.No	Reg.No	Name of the Student	S.No	Reg.No	Name of the Student
1	922115114001	ABDUL SATHAR J	35	922116114071	SARAVANAN.R
2	922115114015	CLINGTON AMIRTHA RAJ B	36	922116114072	SARUKA G
3	922115114016	DANIEL SANTHOSH S M	37	922116114075	SHRIRAM.M
4	922115114039	MAHESHKUMAR A	38	922116114078	SYED MOHAMMED.A
5	922115114046	MOHAMED ASHIF S	39	922116114080	THARUN.S
6	922115114047	MOHAMED FASITH J	40	922116114083	VELAVAN.S
7	922115114050	MUKILAN M	41	922116114306	JOHNSON V
8	922115114051	MUTHU KANNAN M	42	922116114310	LOGESH B
9	922115114063	POUNRAJ M	43	922116114315	RAJA.M
10	922115114065	PRAKANTH Y	44	922116114319	RAMESH KANNAN T
11	922115114072	PREM VENKATESH M	45	922116114321	SUGA VIGNESH.G
12	922115114075	RAMAKRISHNAN S			
13	922115114077	RAM KUMAR T			
14	922115114083	SANJEEVKUMAR S			
15	922115114086	SATHEESH S			
16	922115114094	SIVARANJAN R			
17	922115114098	SUBASH P			
18	922115114105	VASANTH P			
19	922115114108	VENKATESH S			
20	922115114113	VIJAYA PRASATH N			
21	922115114115	VINOTHKUMAR S			
22	922115114301	AJITH KUMAR T S			
23	922115114303	ANTONY VINOTH J			
24	922115114308	MAHENDRAN T			
25	922115114315	SANTHOSHKUMAR B			
26	922115114316	SURESH S			
27	922116114005	ALAGU MALAI T			
28	922116114006	AMAR JOTHI B			
29	922116114015	GOKUL M			
30	922116114016	GOKUL R			
31	922116114017	GOWTHAM R			
32	922116114018	GOWTHAM V M			
33	922116114046	MUTHURAJA S			
34	922116114047	NAGAMUTHU KATHIRAVAN P			

M. [Signature] 23/08/18
Event-Coordinator

[Signature]
HoD / MECH



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul- Palani Highway, Dindigul – 624 002

Department of Mechanical Engineering

Event Name: Workshop on Composite Materials

Date: 23.08.2018

Venue : New Seminar Hall

S.NO	REG NO	NAME	
1	922115114001	ABDUL SATHAR J	Abdul Sathar J
2	922115114015	CLINGTON AMIRTHA RAJ B	Clington Amirtha Raj B
3	922115114016	DANIEL SANTHOSH S M	Daniel Santhosh S M
4	922115114039	MAHESHKUMAR A	Mahesh Kumar A
5	922115114046	MOHAMED ASHIF S	Mohamed Ashif S
6	922115114047	MOHAMED FASITH J	J. Mohamed Fasith
7	922115114050	MUKILAN M	Mukilan M
8	922115114051	MUTHU KANNAN M	Muthu Kannan M
9	922115114063	POUNRAJ M	Pounraj M
10	922115114065	PRAKANTH Y	Y. PRAKANTH
11	922115114072	PREM VENKATESH M	Prem Venkatesh M
12	922115114075	RAMAKRISHNAN S	Ramakrishnan S
13	922115114077	RAM KUMAR T	Ram Kumar T
14	922115114083	SANJEEVKUMAR S	Sanjeev Kumar S
15	922115114086	SATHEESH S	Satheesh S
16	922115114094	SIVARANJAN R	Sivaranjan R
17	922115114098	SUBASH P	Subash P
18	922115114105	VASANTH P	Vasanth P
19	922115114108	VENKATESH S	Venkatesh S
20	922115114113	VIJAYA PRASATH N	Vijaya Prasath N
21	922115114115	VINOTHKUMAR S	Vinoth Kumar S
22	922115114301	AJITH KUMAR T S	Ajith Kumar T S
23	922115114303	ANTONY VINOTH J	Antony Vinoth J
24	922115114308	MAHENDRAN T	Mahendran T
25	922115114315	SANTHOSHKUMAR B	Santhosh Kumar B
26	922115114316	SURESH S	Suresh S
27	922116114005	ALAGU MALAI T	Alagu Malai T
28	922116114006	AMAR JOTHI B	Amar Jothi B
29	922116114015	GOKUL M	Gokul M
30	922116114016	GOKUL R	Gokul R
31	922116114017	GOWTHAM R	Gowtham R
32	922116114018	GOWTHAM V M	Gowtham V M
33	922116114046	MUTHURAJA S	Muthuraja S
34	922116114047	NAGAMUTHU KATHIRAVAN P	Nagamuthu Kathiravan P
35	922116114071	SARAVANAN R	Saravanan R
36	922116114072	SARUKA G	Saruka G
37	922116114075	SHRIRAM M	Shriram M
38	922116114078	SYED MOHAMMED A	Syed Mohammed A
39	922116114080	THARUN S	Tharun S
40	922116114083	VELAVAN S	Velavan S
41	922116114306	JOHNSON V	Johnson V
42	922116114310	LOGESH B	Logesh B
43	922116114315	RAJA M	Raja M
44	922116114319	RAMESH KANNAN T	Ramesh Kannan T
45	922116114321	SUGA VIGNESH G	Suga Vignesh G

Event-Coordinator

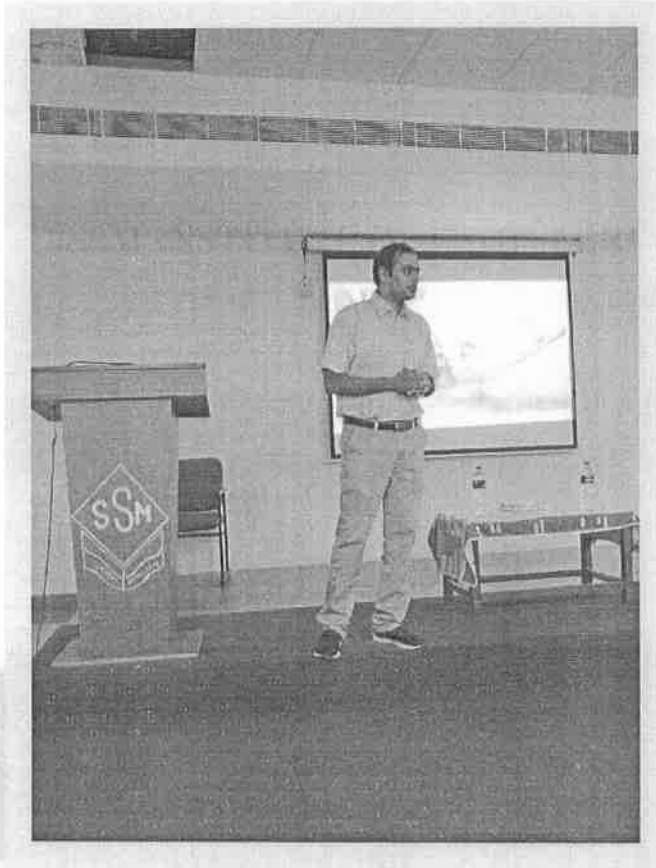
HoD / MECH



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering



One Day workshop on “COMPOSITE MATERIALS” was organized by the Department of Mechanical Engineering on 23rd August 2018. The Objectives of the workshop was to impart basic knowledge and skills about the various avenues for active research in composite materials and to establish platform for exchange of knowledge in advanced composite materials among industrial experts, academicians, researchers and end users.



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul-Palani Highway, Dindigul-624002

Department of Mechanical Engineering

Certificate of Participation

This is to certify that Mr. / Ms. _____

of _____

has participated in the one day Workshop on _____

" Composite Materials " organized by the Department of Mechanical Engineering, SSM Institute of Engineering and Technology, Dindigul on 23.08.2018

Dr.G.Sankaranarayanan
Professor and Head /
Mech.Engg

Dr.M.Saravanan
Principal,SSMIET

Signature



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

Name of the Student : MUTHU KANNAN M (Optional)

Event Title : Workshop on Composite Material

Date : 23/8/2018

Please respond to the following questions by ticking one box only for each question. if you have any criticism or suggestions for improvement. Your views are very important and will help us to improve our events, facilities, etc.

Section I – Event

Scoring Example

5	4	3	2	1
---	---	---	---	---

1. Information provided at this event is relevant to you

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

2. You are likely to use this information in the future

High	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	--------------------------	-------------------------------------	--------------------------	--------------------------	--------------------------	-----

3. Presentations were interesting

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

4. You would recommend this event to others

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

5. Overall, the event was worthwhile

High	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	--------------------------	-------------------------------------	--------------------------	--------------------------	--------------------------	-----

6. The venue was suitable

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

7. Comments/ suggestions (If any)

M. Muthu
Signature



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

Name of the Student : M. OM Prakash (Optional)

Event Title : Workshop on component

Date : 23-08-2018

Please respond to the following questions by ticking one box only for each question. if you have any criticism or suggestions for improvement. Your views are very important and will help us to improve our events, facilities, etc.

Section I – Event

Scoring Example

5	4	3	2	1
---	---	---	---	---

1. Information provided at this event is relevant to you

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

2. You are likely to use this information in the future

High	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	--------------------------	-------------------------------------	--------------------------	--------------------------	--------------------------	-----

3. Presentations were interesting

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

4. You would recommend this event to others

High	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	--------------------------	-------------------------------------	--------------------------	--------------------------	--------------------------	-----

5. Overall, the event was worthwhile

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

6. The venue was suitable

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

7. Comments/ suggestions (If any)

--

M. OM Ph.
Signature



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

Name of the Student : P. VASANTH (Optional)

Event Title : Workshop on Composite Materials

Date : 23.08.2018

Please respond to the following questions by ticking one box only for each question. if you have any criticism or suggestions for improvement. Your views are very important and will help us to improve our events, facilities, etc.

Section I – Event

Scoring Example

5	4	3	2	1
---	---	---	---	---

1. Information provided at this event is relevant to you

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

2. You are likely to use this information in the future

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

3. Presentations were interesting

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

4. You would recommend this event to others

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

5. Overall, the event was worthwhile

High	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	--------------------------	-------------------------------------	--------------------------	--------------------------	--------------------------	-----

6. The venue was suitable

High	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	--------------------------	-------------------------------------	--------------------------	--------------------------	--------------------------	-----

7. Comments/ suggestions (If any)

P. VASANTH

Signature

Soabel
Signature



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul- Palani Highway, Dindigul -- 624 002.

Department of Mechanical Engineering

Name of the Student : LOGESH. B (Optional)

Event Title : Workshop on composite materials

Date : 23.08.2018.

Please respond to the following questions by ticking one box only for each question. if you have any criticism or suggestions for improvement. Your views are very important and will help us to improve our events, facilities, etc.

Section I - Event

Scoring Example

5	4	3	2	1
---	---	---	---	---

1. Information provided at this event is relevant to you

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

2. You are likely to use this information in the future

High	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	--------------------------	-------------------------------------	--------------------------	--------------------------	--------------------------	-----

3. Presentations were interesting

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

4. You would recommend this event to others

High	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	--------------------------	--------------------------	-------------------------------------	--------------------------	--------------------------	-----

5. Overall, the event was worthwhile

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

6. The venue was suitable

High	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	--------------------------	--------------------------	-------------------------------------	--------------------------	--------------------------	-----

7. Comments/ suggestions (If any)

--

B. Logesh
Signature