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Punalkulam, Gandarvakottai Taluk, Pudukkottai District - 613 308.

A REPORT ON WEBINAR TITLED

“COMPOSITE MATERIALS FOR AUTOMOTIVE APPLICATIONS & FLEXIBLE ELECTRONICS”

01st JUNE 2021



Organized by

Department of Electronics and Communication Engineering
KINGS COLLEGE OF ENGINEERING, PUNALKULAM
A NAAC Accredited Institution

A Glimpse on the Background of Webinar:

Department of Electronics and Communication Engineering, organized a webinar on ***“COMPOSITE MATERIALS FOR AUTOMOTIVE APPLICATIONS & FLEXIBLE ELECTRONICS”*** on 01st June 2021, from 11.00 p.m. to 12.00 Noon.

The main objective of this webinar is to provide basic knowledge on the composite material and flexible electronics materials.

Under the guidance of our Principal, Dr. J. Arputha Vijaya Selvi, we hosted this webinar. Mrs. N.Mangaiyarkarasi, HOD/ECE was the convener of our webinar. Dr.T.Shanthi, Associate Professor /ECE, Mr.R.Thandayuthapani,AP/ECE were the program coordinators.

OVERVIEW OF THE WEBINAR:

ABOUT THE RESOURCE PERSON:

The resource person for the webinar was Mr.A.Senthil Kumar, Project Scientist, Indian Institute of Technology, Chennai.

ABOUT THE IMPORTANT COMMUNICATION LINK'S

- **REGISTRATION LINK** : <https://tinyurl.com/webflexibleelec>
- **YOU TUBE LINK** : <https://youtu.be/5pJSrZO50gc>
- **GOOGLE MEET LINK** : <https://meet.google.com/wfu-muuy-rdc>
- **FEEDBACK LINK** : <https://tinyurl.com/fbflexibleElec>

ABOUT THE REGISTRATION PROCESS:

The webinar was organized via Google Meet platform and also live streamed in YouTube channel. The registration link was shared to participants through various WhatsApp groups and Gmail. We received responses from various institutions and also from internal participants. Confirmation mail along with YouTube link was sent to all the registered participants of the webinar.

ABOUT THE WEBINAR:

- ✓ The webinar started by 11.00 p.m.
- ✓ Dr.T.Shanthi, Associate Professor /ECE coordinator of the webinar welcomed the resource person and the participants.
- ✓ Mr.R.Thandayuthapani, AP/ECE coordinator of the webinar introduced the resource person.
- ✓ Resource person gave very clear explanation on the “**COMPOSITE MATERIALS FOR AUTOMOTIVE APPLICATIONS & FLEXIBLE ELECTRONICS** ” through the following sub-topics:
 - ❖ Moto of the webinar is conversion from waste material to useful one
 - ❖ Make in India
 - ❖ Motivate the students for research
 - ❖ Composite material for automotive applications.
 - ❖ Classification of Natural fibers
 - ❖ Structure and properties of composite materials
 - ❖ Geometry and Orientation of the fibers in the composite
 - ❖ Surface modification of Natural fibers
 - ❖ Drawbacks of Natural fiber composite
 - ❖ Nano composite
 - ❖ Flexible Electronics
 - ❖ Conductive Nanomaterial for Printed Electronics
 - ❖ Nano material requirements and challenges
 - ❖ Conductive ink and Pen
 - ❖ Conductive inject ink is multicomponent system
 - ❖ Conductive ink: Join the IoT revolution with innovative and flexible applications
 - ❖ Circuits demo
- ✓ Finally he gave tips regarding useful certification and non certification courses and also shared the link. The queries posted in the YouTube chat box by the participants were clarified. Feedback link was posted in the chat box. Mr.R.Thandayuthapani, AP/ECE, proposed vote of thanks. Programme was technically supported by Mr. J. Niranjana Samuel, JRF/R&D.

OUTCOME:

- ✓ We received 100 registrations from various institutions.
- ✓ Among the 100 registered participants nearly 75 have attended the session.
- ✓ All the 75 participants gave the feedback about the webinar via the Feedback Link.
- ✓ The E-Certificate was provided to all the attendees through their E-mail Id.

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PUNALKULAM - 613 303, NEAR THANJAVUR.

IEEE
STB16621



Department of Electronics & Communication Engineering
Organizes
Webinar
On
Composite Materials for Automotive Applications
& Flexible Electronics





Resource Person
Mr. A. Senthilkumar
PROJECT SCIENTIST
IIT, CHENNAI

01.06.2021 @ 11:00 am to 12:00 noon

E- Certificates will be provided to the Participants



Dr. T. Shanthy
Mr. R. Thandayuthapani
Coordinators

Mrs. N. Mangaiyarkarasi
HOD / ECE



Dr. J. Arputha Vijaya Selvi
Principal

For Registration : <https://tinyurl.com/webflexibleelec>

Registration Form

 <p>ANAAC Accredited Institution KINGS COLLEGE OF ENGINEERING Recognized under 2(f) & 12(B) of UGC Approved by AICTE, New Delhi Affiliated to Anna University, Chennai</p> 	<p>Mobile No *</p> <p>Your answer _____</p> <hr/> <p>E-mail Id *</p> <p>Your answer _____</p> <hr/> <p>Designation *</p> <p><input type="radio"/> Professor</p> <p><input type="radio"/> Associate Professor</p> <p><input type="radio"/> Assistant Professor</p> <p><input type="radio"/> Research Scholar</p> <p><input type="radio"/> Student</p>	<p>Department *</p> <p>Your answer _____</p> <hr/> <p>Institution Name *</p> <p>Your answer _____</p> <hr/> <p>City *</p> <p>Your answer _____</p> <p>Submit</p> <p><small>Never submit passwords through Google Forms.</small></p> <p><small>This content is neither created nor endorsed by Google. Report Abuse - Terms of Service - Privacy Policy</small></p> <p>Google Forms</p>
<p>Webinar on Composite Materials for Automotive Applications & Flexible Electronics</p> <p>Department of Electronics and Communication Engineering, Punalkulam, Gandarvakottai, Pudukkottai -Dt.,01.06.2021 @ 11:00 am to 12:00 noon</p> <p>* Required</p>		
<p>Name of the Participant *</p> <p>Your answer _____</p>		
<p>Mobile No *</p> <p>_____</p>		

Feedback Form

 <p>ANAAC Accredited Institution KINGS COLLEGE OF ENGINEERING Recognized under 2(f) & 12(B) of UGC Approved by AICTE, New Delhi Affiliated to Anna University, Chennai</p> 
<p>Feedback - Webinar on Composite Materials for Automotive Applications & Flexible Electronics</p> <p>Organized by Department of Electronics and Communication Engineering, in Association With IEEE STB, Kings College of Engineering, Pudukkottai, held on 01/06/2021</p> <p>* Required</p>
<p>Email *</p> <p>Your email _____</p>
<p>Name of the Participant - EX: Mr.P.Raja *</p> <p>Your answer _____</p>
<p>Institution Name *</p> <p>Your answer _____</p>

<p>Designation *</p> <p><input type="radio"/> Professor</p> <p><input type="radio"/> Associate Professor</p> <p><input type="radio"/> Assistant Professor</p> <p><input type="radio"/> Student</p>														
<p>Knowledge of expert *</p> <table style="width: 100%; text-align: center;"> <tr> <td></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td></td> </tr> <tr> <td>Good</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>Excellent</td> </tr> </table>		1	2	3	4	5		Good	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Excellent
	1	2	3	4	5									
Good	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Excellent								
<p>Quality of video presentation? *</p> <p><input type="radio"/> Excellent</p> <p><input type="radio"/> Good</p> <p><input type="radio"/> Fair</p>														
<p>Did you meet your requirement? *</p> <p><input type="radio"/> strongly agree</p> <p><input type="radio"/> Agree</p>														

Sample Certificates

Cert. No :DPGUCG-CE000001

Date : 1-6-2021



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Department of Electronics and Communication Engineering

Webinar on Composite Materials for Automotive Applications & Flexible Electronics

Certificate of Participation

This is to certify that Mr. P. Raja Pirian, Kings College of Engineering, has participated in the Webinar on "Composite Materials for Automotive Applications & Flexible Electronics", organized by Department of ECE in association with IEEE STB16621, Kings College of Engineering, Pudukkottai, on 01-06-2021.

Co-ordinator
Mr.R.Thandayuthapani

Co-ordinator
Dr.T.Shanthi

HOD / ECE
Mrs.N.Mangaiyarkarasi

Principal
Dr.J.Arputha Vijaya Selvi

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Cert. No :DPGUCG-CE000033

Date : 1-6-2021



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Department of Electronics and Communication Engineering

Webinar on Composite Materials for Automotive Applications & Flexible Electronics

Certificate of Participation

This is to certify that Mr.R.THANDAYUTHAPANI , KINGS COLLEGE OF ENGINEERING , has participated in the Webinar "Composite Materials for Automotive Applications & Flexible Electronics", organized by Department of ECE in association with IEEE STB16621, Kings College of Engineering, Pudukkottai, on 01-06-2021.

Co-ordinator
Mr.R.Thandayuthapani

Co-ordinator
Dr.T.Shanthi

HOD / ECE
Mrs.N.Mangaiyarkarasi

Principal
Dr.J.Arputha Vijaya Selvi

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Sample You Tube Photo's

The image displays four screenshots of a YouTube live stream titled "Webinar on COMPOSITE MATERIALS FOR AUTOMOTIVE APPLICATIONS & FLEXIBLE ELECTRONICS" organized by the Dept. of ECE at Kings College of Engineering. The stream is dated June 1, 2021, and has 193 views.

Top Left Screenshot: Shows the webinar title and a thumbnail image of a man. The chat includes replies from users like Maheshwari, Pasupathi T, and Newton David Raj W.

Top Right Screenshot: Shows a slide titled "CLASSIFICATION OF NATURAL FIBERS" with a tree diagram. The diagram branches into "REINFORCED NATURAL FIBERS" and "PLANT FIBERS". "PLANT FIBERS" further branches into "ANIMAL FIBERS" (Wool, Silk, Angora, Alpaca, Cashmere, Mohair, Rabbit, Camel, Goat, Sheep, Rabbit, Alpaca, Cashmere, Mohair, Rabbit, Camel, Goat, Sheep) and "MINERAL FIBERS" (Metal, Ceramics). "ANIMAL FIBERS" branches into "SEED (COTTON)", "STEM (HEMP, JUTE)", and "FRUIT (CORE)". "SEED (COTTON)" branches into "GRASS (BAMBOO)", "STEM (HEMP, JUTE)", and "FRUIT (CORE)". "FRUIT (CORE)" branches into "LEAF (BANANA)".

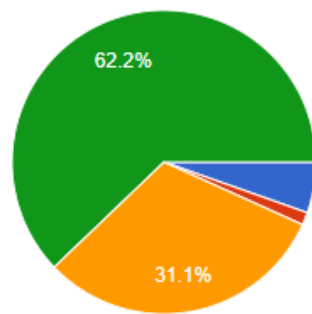
Bottom Left Screenshot: Shows a slide titled "STALK FIBER" with images of wheat, rice, maize, and oat. Below it, "SEED FIBER" includes cotton, kapok, milkweed, and cori.

Bottom Right Screenshot: Shows a slide with four images of electronic components or circuits. The chat includes replies from users like Nivetha C, bhavya, and Thandiyathapani Ramasamy.

Feedback Response

Designation

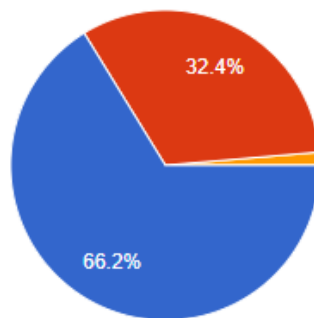
74 responses



- Professor
- Associate Professor
- Assistant Professor
- Student

Quality of video presentation?

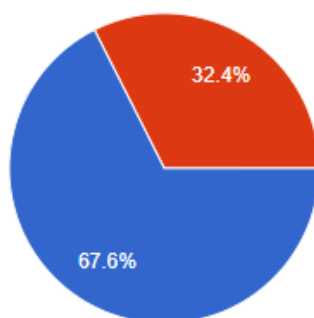
74 responses



- Excellent
- Good
- Fair

Did you meet your requirement?

74 responses



- strongly agree
- Agree