



# K.S.R.M. COLLEGE OF ENGINEERING

(UGC-AUTONOMOUS)

Kadapa, Andhra Pradesh, India- 516 005

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.

An ISO 14001:2004 & 9001: 2015 Certified Institution



Lr./KSRMCE/Department of ME/2021-22/

Date: 15-09-2021

To,  
The Principal,  
K.S.R.M. College of Engineering,  
Kadapa.

Respected Sir,

//THROUGH PROPER CHANNEL//

Sub:KSRMCE-Department of ME-Permission and Financial Assistance for GUEST LECTUERE -  
Requested-Reg.

It is Brought to Your Kind Notice that, Department of Mechanical Engineering of our organization was planning to conduct a 1 HR GUEST LECTUERE for V sem Students of the department. Details of Guest Lectuere "METAL MATRIX ON CMPOSITE MATERIALS" schedule are over leafed for your kind reference. In this Regard we Kindly request you to Provide Permission and Financial Assistance to procure the needs and for smooth completion of the program, for which kind of act we would be grateful to you sir.

Thanking you

Yours Faithfully,

Sri C.NAGARAJA

(Course Coordinator Dept. of ME)

Forwarded to  
Principal Sir  
W. J. J. J.

Permitted  
MM



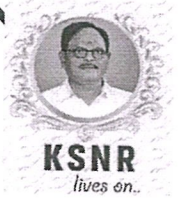
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Date: 20/09/2021

Cr ./KSRMCE/(ME./ACADAMICS)/2021-22/

DEPARTMENT OF MECHANICAL ENGINEERING

CIRCULAR

It is here by informed to all 3<sup>rd</sup> year mechanical engineering students that the department is going to organize GUEST LECTURE "METAL MATRIX ON COMPOSITE MATERIALS" on 25/9/2021 FROM 11:00 TO 12:00 NOON. Hence all the interested students are requested to join with the program.

  
HOD



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## ACTIVITY REPORT

### GUEST LECTURE

25<sup>TH</sup> SEP 2021

- Target Group** : V sem Mechanical students  
**Details of Participants** : 48  
**Coordinator(s)** : Sri. C.NAGARAJA  
**Organizing Department** : Mechanical Engineering  
**Plat Form** : Online  
**Venue** : Engineering Graphics and design lab  
**Topic** : METAL MATRIX ON COMPOSITE MATERIALS  
**Speaker** : B: Vishnu vardhan Naidu, M.Tech (NIIT, Calicut)  
**Description** :

Metal matrix composites (MMCs) are **lightweight structural materials** used in a small number of aircraft, helicopters and spacecraft. MMC materials consist of hard reinforcing particles embedded within a metal matrix phase. The matrix of MMCs is usually a low density metal alloy (e.g. aluminium, magnesium or titanium).



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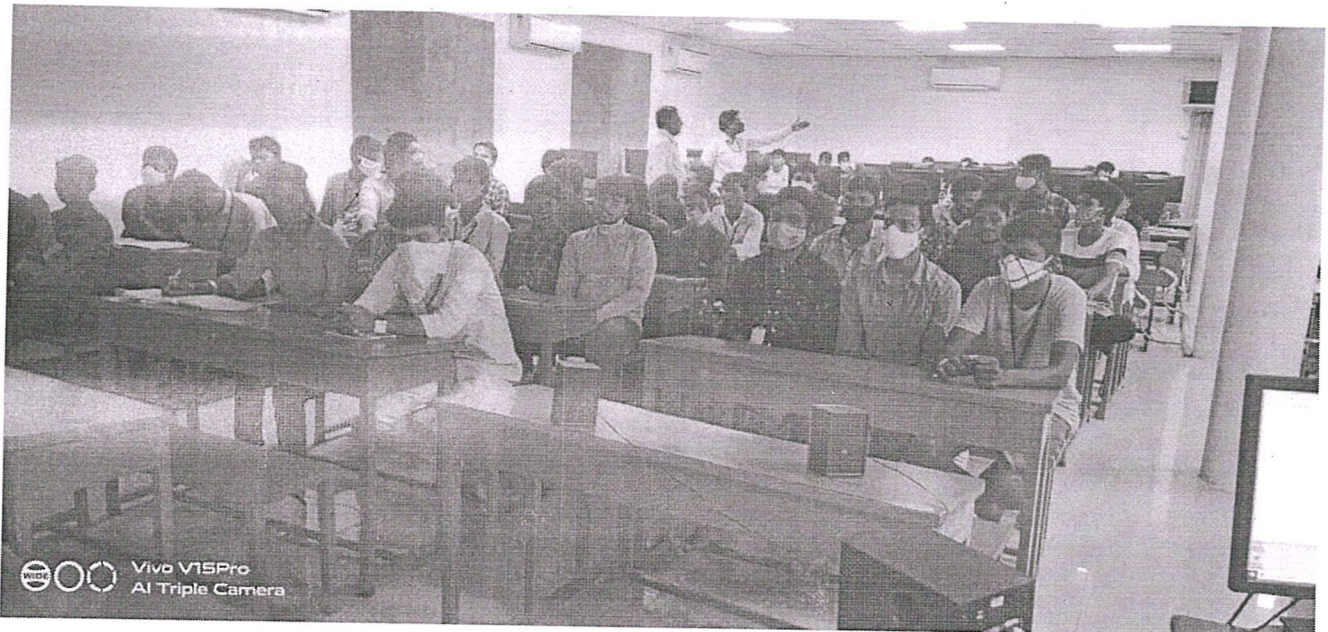
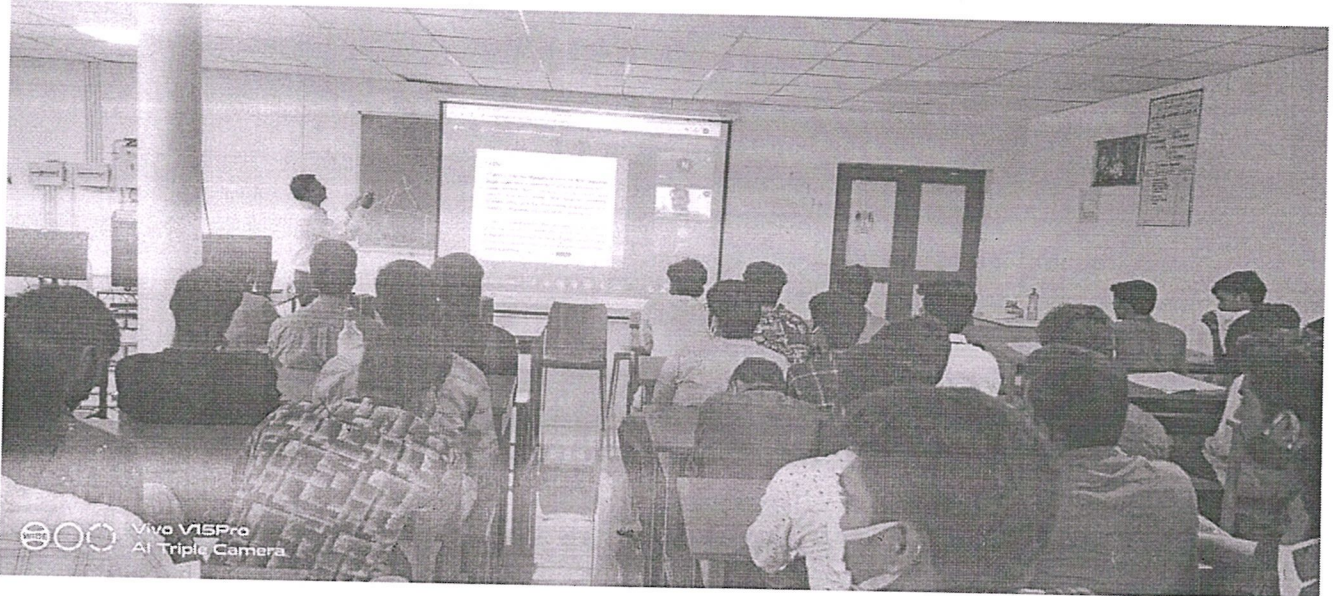



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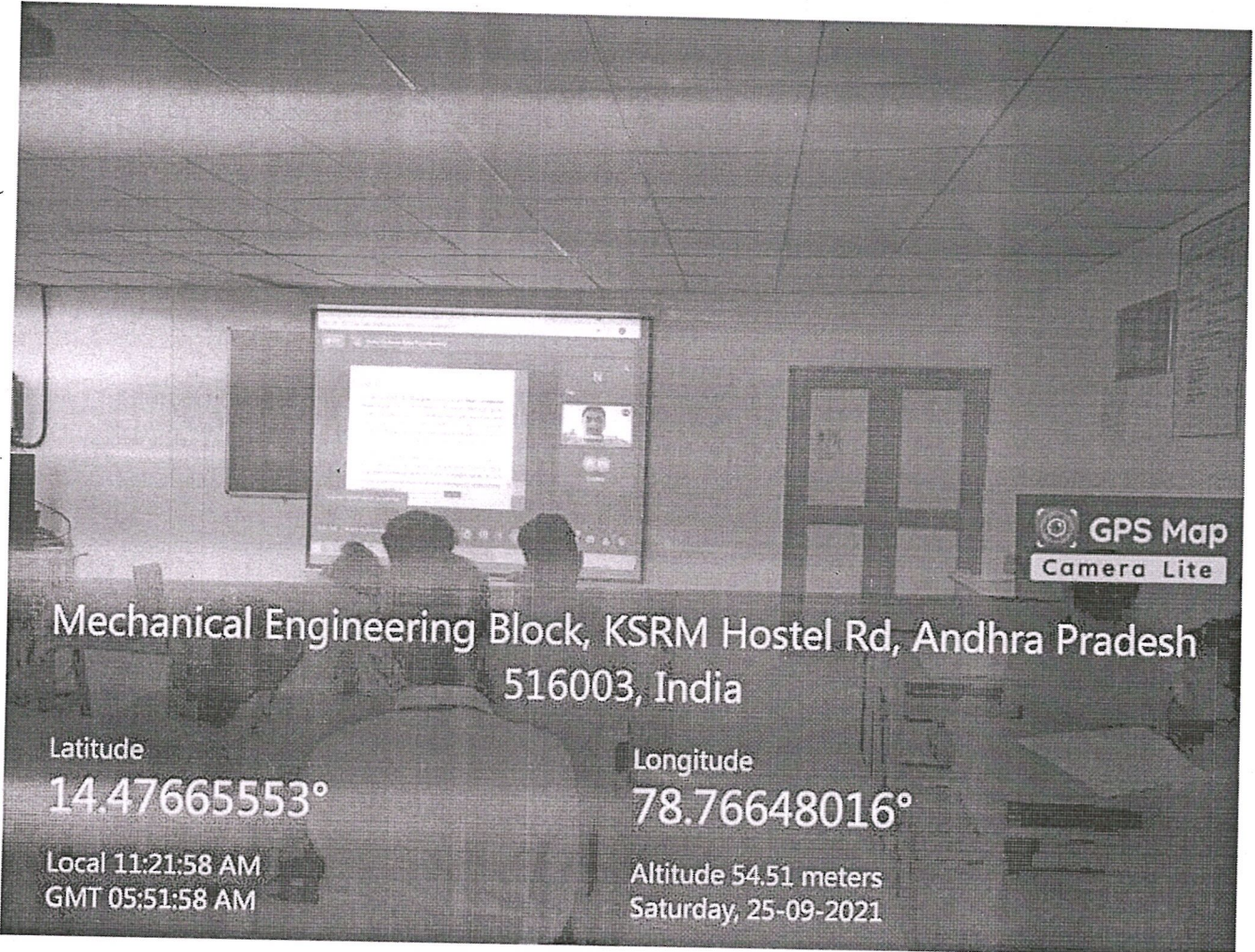
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Mechanical Engineering Block, KSRM Hostel Rd, Andhra Pradesh  
516003, India

Latitude  
**14.47665553°**

Longitude  
**78.76648016°**

Local 11:21:58 AM  
GMT 05:51:58 AM

Altitude 54.51 meters  
Saturday, 25-09-2021

*[Handwritten Signature]*  
Coordinator

*[Handwritten Signature]*  
HOD

*V. S. S. Murthy*  
Principal  
**PRINCIPAL**  
**K.S.R.M. COLLEGE OF ENGINEERING**  
**KADAPA - 516 003. (A.P.)**

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meet.google.com/bo-byj-yo?pli=1&authuser=0

Vidya Vardhana Naidu is presenting

Contd.

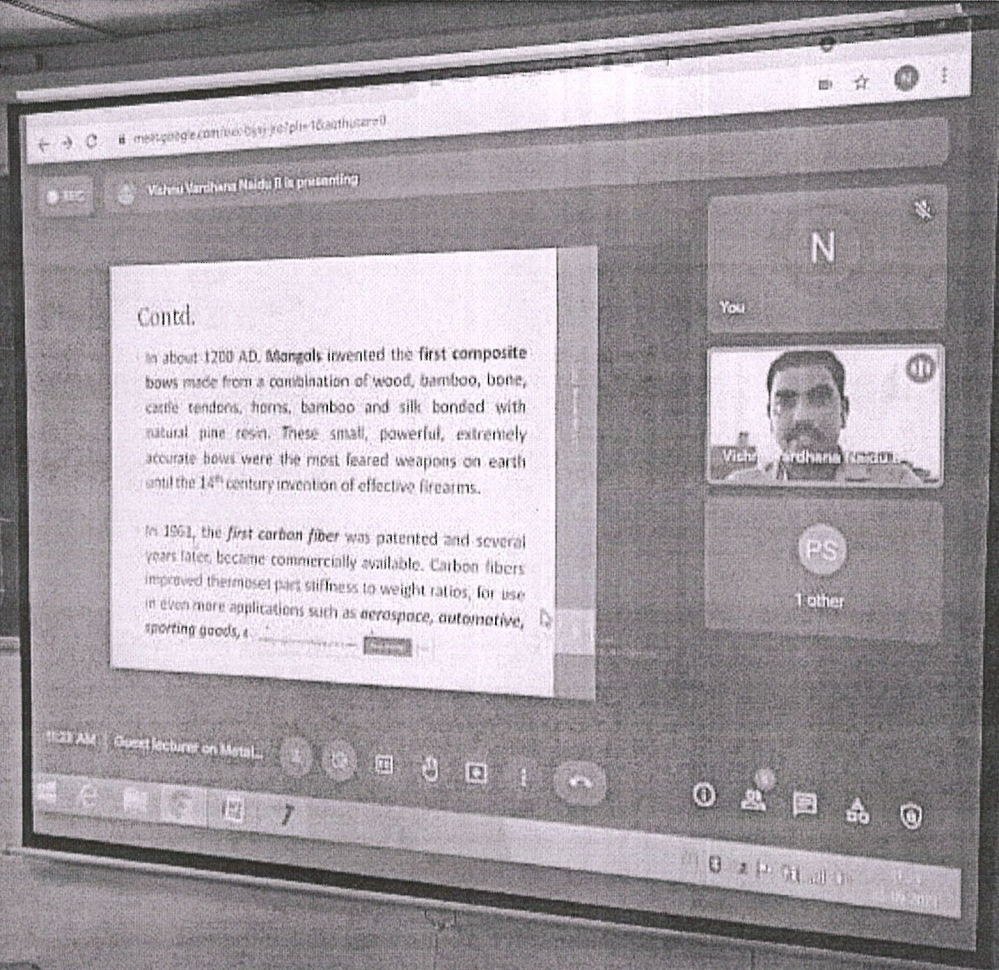
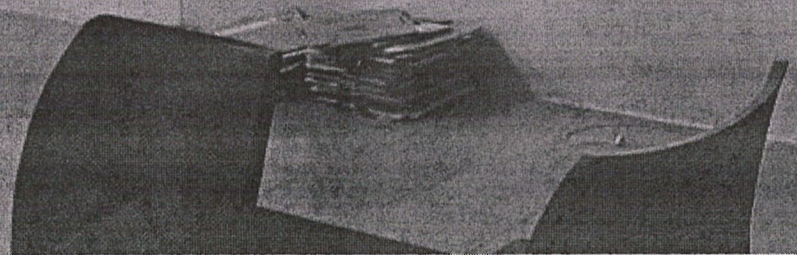
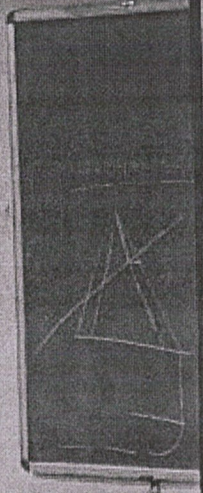
In about 1200 AD, **Mongols** invented the **first composite bows** made from a combination of wood, bamboo, bone, cattle tendons, horns, bamboo and silk bonded with natural pine resin. These small, powerful, extremely accurate bows were the most feared weapons on earth until the 14<sup>th</sup> century invention of effective firearms.

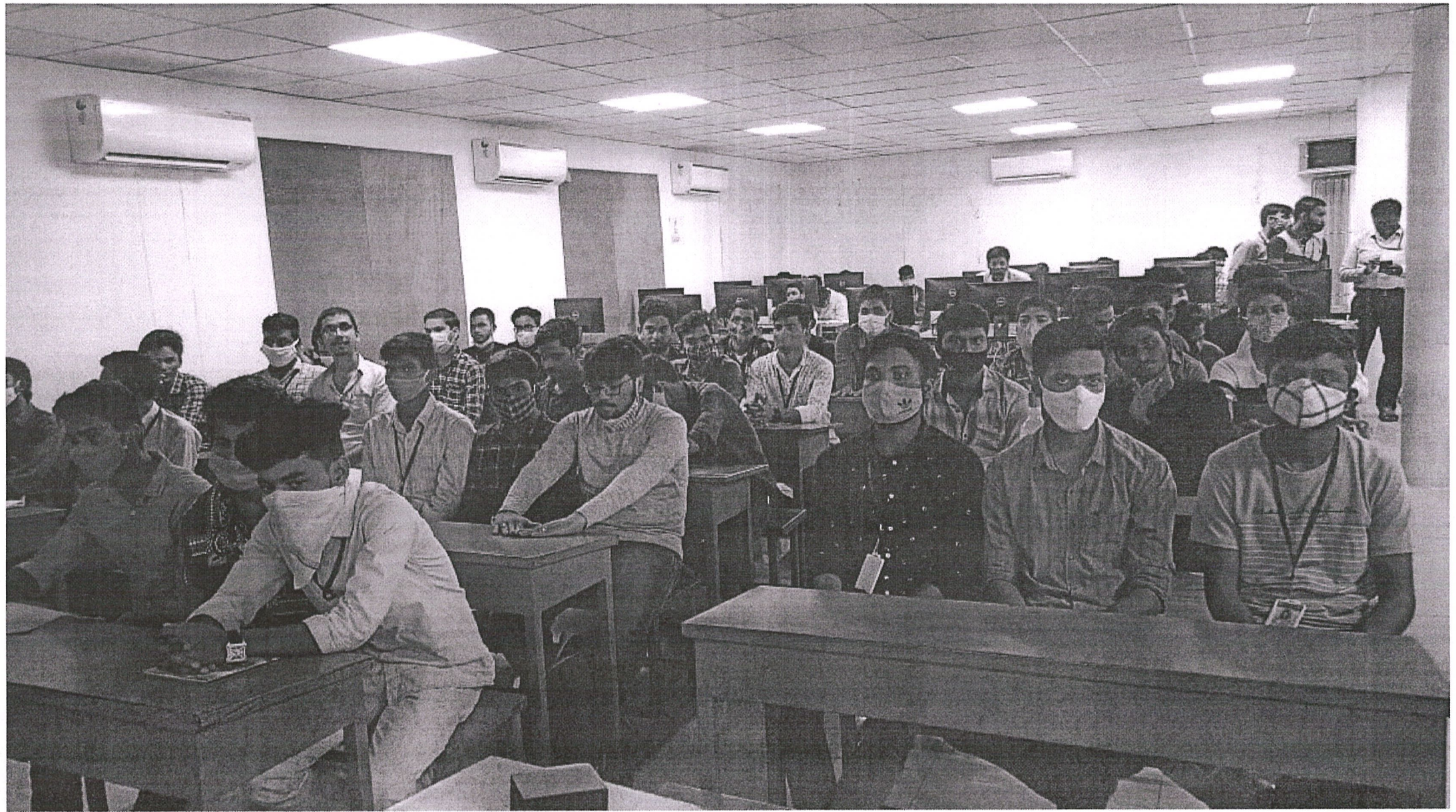
In 1951, the **first carbon fiber** was patented and several years later, became commercially available. Carbon fibers improved thermoset part stiffness to weight ratios, for use in even more applications such as **aerospace, automotive, sporting goods,**

11:23 AM Guest lecturer on Metal...

7

11:23 AM 11/19/2021

A Zoom meeting interface is displayed on a projector screen. The main window shows a presentation slide with text about composite bows and carbon fiber. On the right side, there are thumbnails for participants: 'You' (with a large 'N' icon), 'Vidya Vardhana Naidu' (with a video feed), and 'PS' (with '1 other' below it). At the bottom, there is a toolbar with various icons for navigation and meeting controls. The meeting title 'Guest lecturer on Metal...' and the time '11:23 AM' are visible in the bottom left corner.





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18/11/21

Guest Lecturer on Metal Matrix on Composite Materials.  
List of participants

S.NO	REG.NO	NAME	MAIL ID/PH.NO	SIGNATURE
01	209Y5A0311	P. charan kumar reddy	6305508912	P. charan kumar reddy
02	209Y5A0303	B. purushotham	7075873495	B. Purushotham
03	209Y5A0315	J. satish	6302394451	J. satish
04	209Y5A0334	S. Mahammad Ali	6302326386	S. Ali
05	209Y5A0336	Shaik Maz Ahmed	7207309281	A. Maz
06	209Y5A0341	T. SATHISH REDDY	8919406152	T. S Reddy
07	209Y5A0343	Y. Hemanth Kumar	8008109390	Y. Hemanth
08	209Y5A0307	C. Venkata Swamy Setty	9703885371	C. Ven
09	209Y5A0325	M. chennakesava Reddy	6302650117	M. Ch
10	209Y5A0301	A. Numaizi	9014340295	A. Numaiz
11	209Y5A0326	N. Parvan Kumar	6303370068	N. Parvan
12.	209Y5A0358	P. Noosimha Reddy	6302552138	P. Noosimha
13.	209Y5A0308	D. Prinevasula	6301450669	D. Prinevasula
14.	209Y5A0319	L. Sudhashan	7013394010	L. Sudhashan
15	209Y5A0323	S. Venkata Sudhakar Reddy	9550765334	Sudhakar
16.	209Y5A0331	P. Karivaldhan Reddy	8317603252	P. Karivaldhan
17.	209Y5A0305	C. Guro Prasad	9177243686	C. Guro Prasad
18	209Y5A0332	G. Dilip Kumar	9014139037	G. Dilip Kumar
19	209Y5A0345	Y. Shashi Kiran Reddy	7286818404	Y. Shashi Kiran





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Guest Lecturer

List of participants

S.NO	REG.NO	NAME	MAIL ID/PH.NO	SIGNATURE
1)	209Y5A0332	P. Nazeeq Basha	7015911465	
2)	209Y5A0317	K. Siva Babji	9346719550	
3	199Y1A0356	V. Bhargava Kumar Reddy	7702263497	
4	199Y1A0358	V. Hitesh Reddy	8897446849	
5	209Y5A0304	B. Siva Prasad Reddy	9963970593	
6	209Y5A0322	M. Gowtham Sai	6303145396	
7)	209Y5A0338	K. Ajay Kumar	9391321891	
8)	209Y5A0313	G. Girish	8074265359	
9	209Y5A0340	T. Lakshmanna	9346401847	
10.	209Y5A0344	Y. Ashok	8688768758	
11.	199Y1A0255	T. Surendra Naidu	9347361873	
12.	209Y5A0308	D. Sunil Kumar	9912828117	
13.	209Y5A0327	P. Monesh	9493244787	
14	199Y1A0357	V. Bhargav	9182345830	
15	209Y5A0323	M. Bharath Reddy	9346491018	
16	199Y1A0360	Hansa	9676752084	
17	209Y5A0324	M. Veerabhadra	6361960245	
18	209Y5A0321	L. Bhushan	8688096215	



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*Guest lecturer*

List of participants

S.NO	REG.NO	NAME	MAIL ID/PH.NO	SIGNATURE
1	19945A0334	S. Gurappa.	princegurappa@gmail.com	S. Gurappa.
2	19945A0328	N. Hanukshna	19945A0328@ksrme.ac.in	Hanukshna
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4	19945A0339	U. Sudheer Kumar	sudheerkumar010608@gmail.com	U.S.K
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6	19945A0346	Y. BRAMHATAH	bramhatah033@gmail.com	Bramhatah
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8	19945A0344	Y. Ganga Prasad Reddy	ganga.prasadreddy47@gmail.com	Ganga Prasad Reddy
9	19945A0345	Y. Praveen Kumar Reddy	reddypraveenkumar19@gmail.com	Praveen Kumar Reddy
10	19945A0343	Y. Siva Rani Reddy	Sivaranireddy84@gmail.com	Siva Rani Reddy
11	19945A0318	K. Prudhvi	9885963007	Prudhvi
12	19945A0317	K.V.S. Manojanjan	9515005142	K.V.S. Manojanjan
13	19945A0333	R. Anand Reddy	9581864558	Anand Reddy
14	19945A0342	V. Umesh Chandrababu Reddy	vucr199@gmail.com	Umesh Chandrababu Reddy
15	19945A0330	N. Srisindri	9905172105	Srisindri
16	19945A0320	K. Kumar	6303238637	K. Kumar

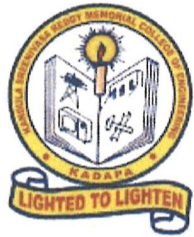


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**Department of Mechanical Engineering**



## Guest Lecture

**Topic:** Metal Matrix of Composite Materials

## Speaker

**B.Vishnu Vardhan Naidu, M.Tech (NIT, Calicut)**

*Sree Vidyanikenthan Engineering college*

## Plat Form

Google Meet



**Date & Time:**

**25-9-2021 , 11 to 12 Noon**

**Coordinator:**

**C.Nagaraja Asst Prof**

*PROF .D.RAVIKANTH*  
HOD

*PROF V.S.S. MURTHY*  
(Principal)

*PROF. A. MOHAN*  
(Director)

*SRI. K. CHANDRA OBUL REDDY*  
(Management Member)

*SMT. K. RAJESWARI*  
(Correspondent, Secretary, Treasurer)

*SRI K. MADAN MOHAN REDDY*  
(Vice- chairman)

*SRI. K. RAJA MOHAN REDDY*  
(Chairman)



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