



AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



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



DEPARTMENT OF BIOMEDICAL ENGINEERING
In association with
IEEE Student Chapter- AVIT & IETE students Forum
WEBINAR ON
**PROCESS OF SYNTHESIS AND CHARACTERIZATION OF
NANOPARTICLES FOR ANTIMICROBIAL ACTIVITIES & THEIR
FUTURE PROSPECTS**

Event Title	Webinar On Process Of Synthesis And Characterization Of Nanoparticles For Antimicrobial Activities & Their Future Prospects		
Resource Person	Dr. P. Vishnu Vardhan Senior Scientist HBL Power Systems Ltd. Banjara Hills, Hyderabad, 500034		
Academic year	2024-2025		
Program Type (Workshop / Motivation speech / Field Visit / Competition / Others)	Others (Webinar)		
Program Theme (IPR / R&D and Innovation / Start-up / Entrepreneurship / Design Thinking / Incubation & Pre – Incubation / others)	Others		
Start date & End Date (DD/MM/YYYY)	30.08.2024	-	
Duration of the activity (in Mins) & Start Time & End Time	Duration: 200 Mins.	Start Time: 10:00 AM	End Time: 12.00 PM
Participants	Students: 42	Faculty: 4	External: 01
Mode of session (online / offline)	Online		
Event Organizer / Coordinator Faculty Name / Department / Designation	Dr.Prasath S., Assoc. Prof./BME		
Target Participants	II,III & IV Year students of Biomedical Engineering and Technology		
Outcome	The session gave an insight on the opportunities for students to understand about the nanotechnology particles in the Biomedical Engineering		
Meeting Link	https://meet.google.com/ynd-ayef-mxj		



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EVENT BROCHURE



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Cordially invites you all for the webinar on

Process of synthesis and characterization of nanoparticles for antimicrobial activities & their future prospects



Resource Person

Dr. P. Vishnu Vardhan

Senior Scientist
HBL Power Systems Ltd.
Banjara Hills, Hyderabad, 500034



30th Aug 2024

Mode: Online



IEEE



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Organised by
Department of Biomedical Engineering
in association with
IEEE Student Chapter- AVIT & IETE Students Forum



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WEBINAR REPORT

The Department of Biomedical Engineering in association with Force Biomedical conducted a program to Biomedical and Electronics students on the topic “Process Of Synthesis And Characterization Of Nanoparticles For Antimicrobial Activities & Their Future Prospects ” on 30.08.2024

The Department of Biomedical Engineering in association with IEEE Student Branch-AVIT & IETE students Forum organized a the topic “Process Of Synthesis And Characterization Of Nanoparticles For Antimicrobial Activities & Their Future Prospects ” on 30.08.2024

The program was conducted in the Online mode, Google Meet. Ms.Merlin Sweeta, Student Coordinator, BME Department welcomed the gathering. At the onset Dr.L.K.Hema HOD/BME delivered the Welcome address and also briefed about the usage of Nanoparticles in the Cancer treatment and their importance. Ms.Sanka Manasa Sai Naga Lakshmi, Student Co-ordinator, BME Department gave a brief introduction about the speaker Dr. P. Vishnu Vardhan, Senior Scientist, HBL Power Systems Ltd.

The session speaker discussed about the nanoparticles’ size distribution has a major effect on their performance in cancer therapies. Due to the tumor’s leaky vasculature, the size of nanoparticles can be adapted to be small enough to penetrate the tumor and big enough to prevent extravasation from normal blood vessels, preventing agglomeration in other parts of the body. Another important feature when it comes to nanoparticle design for cancer treatment is its shape, since it influences fluid dynamics, among other effects. The shape of a nanocarrier can control the interaction between cell membrane and nanoparticles.

The event was officially winded of by an vote of thanks from Ms.Manasa, II year BME student and the event was coordinated by Dr.S.Prasath - Associate professor , BME Department.

42 Students and 4 Faculties attended the Event



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EVENT GALLERY

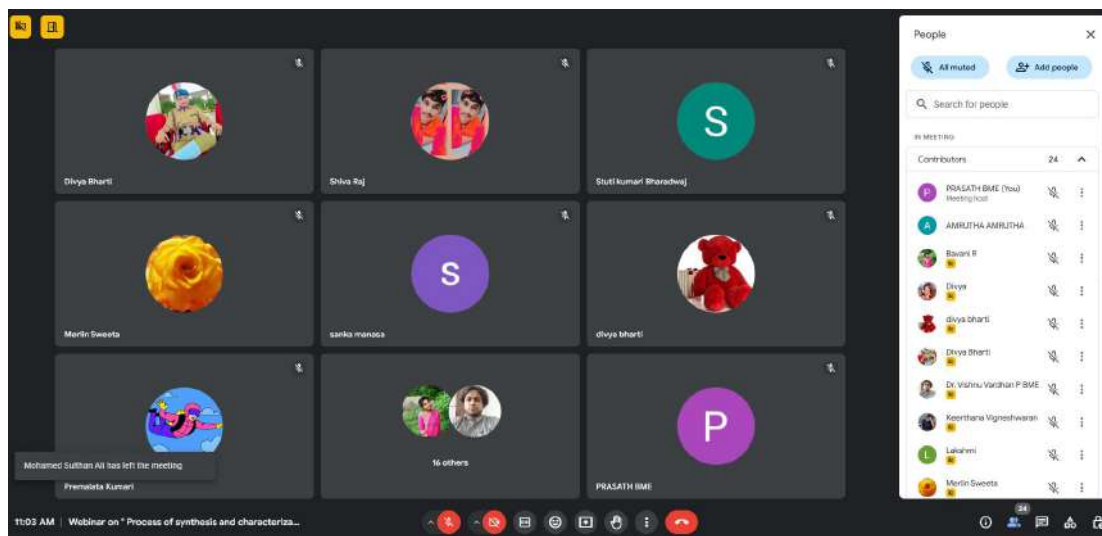


Fig 1 : Chief guest Introduction

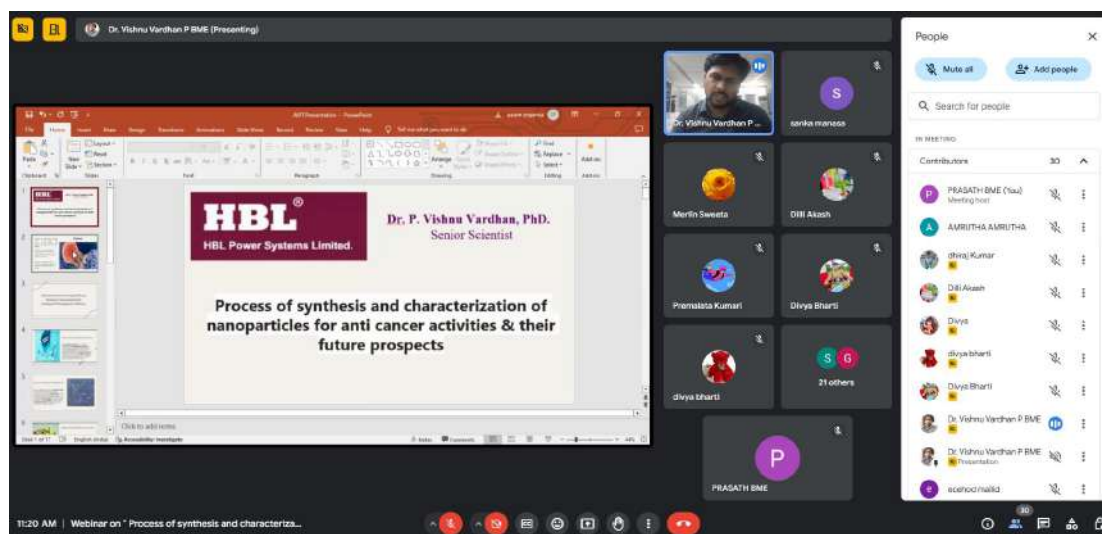


Fig : Session on scope of Nano- particles



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Fig : Question and Answer session



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LIST OF PARTICIPANTS

SL NO	NAME	BRANCH	CATEGORY
1	CHHOTU KUMAR	BME	Student
2	DHIRAJ KUMAR	BME	Student
3	DIVYA BHARTI	BME	Student
4	ELUMALAI M	BME	Student
5	GOTHANDARAMAN D	BME	Student
6	HIRA PARVEEN S	BME	Student
7	LAXMAN RAY	BME	Student
8	NANDHINI A	BME	Student
9	PREMLATA KUMARI	BME	Student
10	RAJAGANAPATHI R	BME	Student
11	SANJAY T	BME	Student
12	SIVABALAN S	BME	Student
13	SONU KUMAR	BME	Student
14	VELMURUGAN M	BME	Student
15	VINJAMURU LAKSHMI	BME	Student
16	DILLI AKASH G	BME	Student
17	AKSHAY KUMAR BISWAS	BME	Student
18	AMIT KUMAR	BME	Student
19	BIPIN KUMAR	BME	Student
20	DILIP KUMAR	BME	Student
21	DIVYA BHARATI	BME	Student
22	GUNASEELAN E	BME	Student
23	JITU KUMAR	BME	Student
24	MANOJ SAH	BME	Student
25	MD AFJAL ALAM	BME	Student
26	MD AMIR SUBHANI	BME	Student
27	MERLIN SWEETA S	BME	Student
28	RAJEEV KUMAR MANDAL	BME	Student
29	RANJAN KUMAR JAISWAL	BME	Student
30	RITHIGA S	BME	Student
31	SHIKHA SONI	BME	Student
32	SHYAM BIHARI	BME	Student
33	STUTI KUMARI	BME	Student
34	SUGASINI L	BME	Student
35	VISWANATHAN R	BME	Student
36	YOKESHWAR V	BME	Student
37	MOHAMMED FASIL A	BME	Student
38	KONDALA R DIVYA	BME	Student
39	BAVANI R	BME	Student
40	DIPESH MAZUMDER	BME	Student
41	MOHAMED SULTHAN ALI S	BME	Student
42	SANKA MANASA SAI NAGA LAKSHMI	BME	Student
43	L.K.HEMA	BME	Faculty
44	PRABHAKARAN V	BME	Faculty
45	AMURTHA A.P	BME	Faculty
46	PRASATH ALIAS SURENDHAR S	BME	Faculty
47	SANDHIYA R	BME	Faculty