

AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

DEPARTMENT OF BIOMEDICAL ENGINEERING & DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

PROGRAM REPORT

for

ADVANCED MATERIALS FOR BIOMEDICAL & ELECTRONICS APPLICATIONS

16th Feb 2024

AVIT- Department of Biomedical Engineering & Department of Electronics and Communication Engineering have organized an **"Expert Talk"** titled **"Advanced Materials for Biomedical and Electronics Applications"** on **16th Feb 2024** at Digital Class Room No.2

About the Event

The half a day session was handled by resource speaker "**Dr.N.Sivakumar**", Head Functional Materials Research Lab, Associate Professor in Physics, Sri Sai Ram Engineering College. The Expert Talk on "Advanced Materials for Biomedical and Electronics Applications" featured Dr. N. Sivakumar, an esteemed expert in the field of functional materials, as the keynote speaker. The event aimed to provide attendees with insights into the latest advancements, challenges, and applications of advanced materials in biomedical and electronics sectors, as well as to foster knowledge exchange and discussion among participants. There are more than 50 participants from [ECE & BME] dept have participated in the event and the entire event was hosted and coordinated by **Mr.V.Prabhakaran, AP (G-II),BME**.







Event Brochure



Cordially invites you all for the

Expert talk on

Advanced Materials for Biomedical and Electronics Applications

Resource Person

Dr. SIVAKUMAR NATARAJAN Head, Functional Materials Research Laboratory Associate Professor in Physics Sri Sai Ram Engineering College

16th February 2024 (L) 10.00 a.m to 01.00 p.m

Digital Class Room No.2





Organized by : Department of Biomedical Engineering & Electronics and Communication Engineering





Start of the Event | 16^h Feb 2024 | 10:00 am

The event was initiated with a warm welcome address by **"Dr.L.K.Hema, Professor** and Head, ECE & BME - AVIT".



Welcome Address by Dr.L.K.Hema, Professor & Head - ECE & BME

The session was stated after a brief introduction about the guest speaker by **"Mr.Shyam Bihari, III-Year/BME".**



Chief Guest Introduction by Mr.Shyam Bihari - III/BME



Introduction to Advanced Materials: Dr. Sivakumar provided an overview of advanced materials, highlighting their importance in biomedical and electronics applications due to their unique properties and functionalities.

Biomedical Applications: The speaker discussed the role of advanced materials in biomedical applications such as tissue engineering, drug delivery systems, and medical implants, emphasizing the need for biocompatibility, durability, and tailored properties.

Electronics Applications: Dr. Sivakumar elaborated on the significance of advanced materials in electronics applications, including semiconductor devices, sensors, and flexible electronics, showcasing examples of materials with superior electrical, thermal, and mechanical properties.

Challenges and Opportunities: The talk addressed the challenges faced in the development and implementation of advanced materials, including scalability, cost-effectiveness, and regulatory requirements, while also highlighting the opportunities for innovation and collaboration in the field.

Q&A Session: A lively question and answer session followed the presentation, allowing participants to engage with the speaker, seek clarification on key concepts, and explore further insights into advanced materials research and applications.

Finally, the event ended with a formal **"Vote of Thanks"** by **"Ms.Merlin Swetha, III-Year/BME.**





Conclusion

The Expert Talk on "Advanced Materials for Biomedical and Electronics Applications," delivered by Dr. N. Sivakumar, provided attendees with valuable insights into the role of advanced materials in addressing the evolving needs of biomedical and electronics industries. The event facilitated meaningful discussion and knowledge exchange, fostering a deeper understanding of the challenges, opportunities, and future directions in this dynamic field.





VINAYAKA MISSION'S





M54H+HM8, Pattipulam, Tamil Nadu 603104, India

Note : Expert Talk - Advanced Materials for Biomedical and Electronic Applications 16.02.2024











Latitude 12.6569572° Longitude 80.1792392°	Local	11:04:52 AM	
	GMT	05:34:52 AM	
	Altitude	6 meters	
	Date	Fri, 16 Feb 2024	
M54H+HM8, Pattipulam, Tar	nil Nadu 603104, India		

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- 16.02.2024

