



**The Department of Physics & Electronics GC (A),
Rajahmundry
A brief Report on
Guest Lecture by**



Conducted on 2nd Dec 2023

Date	: 2nd Dec 2023
Name of the Event	: Guest Lecture
Topic	: Fundamentals and Applications of Particle physics
Name of the Resource Person Tadepalligudem	: Dr. K. Ephram Babu, Assistant Professor, AKNU,
No of participants	: 46
Objective	: 1. To make the students aware of research going on at AKNU 2. To aware the students about practical applications of super conductivity
Procedure	: A circular/whats app message was sent to all PG and UG students to attend the lecture. A flyer was also released
Summary of the event	:

In the guest lecture , the students have the privilege of learning about a truly remarkable scientific phenomenon called superconductivity. Superconductivity refers to the ability of certain materials to conduct electricity with zero resistance when cooled to extremely low temperatures. During the lecture, Dr Ephram babu had discussed about this remarkable property makes superconductors incredibly efficient and has the potential to revolutionize various industries, such as energy transmission and transportation. The students were amazed to learn that superconductors have already been used to create powerful magnets, enabling advancements in medical imaging devices like MRI machines. Overall, the guest

lecture on superconductivity left us in awe of the immense possibilities that this scientific discovery holds for the future.

