



## AI-Powered Optimization in Cancer Treatment: A Collaborative Symposium at UOG

Dr. Asrar had the privilege of delivering the keynote address at a one-day symposium on "Optimization in AI-Powered Cancer Treatment" hosted by the University of Gujrat (UOG) on November 21, 2024. His presentation, titled "Innovative Applications of AI-Driven Mathematical Optimization in Cancer Diagnosis and Radiotherapy Planning," highlighted the transformative role of artificial intelligence in advancing cancer care—from enhancing diagnostic accuracy to optimizing treatment planning.

The event concluded with an engaging collaborative session between Dr. Asrar, UOG's students, and faculty from the Department of Mathematics and Computer Science. The discussions explored promising research opportunities and interdisciplinary collaborations in AI-driven medical applications, fostering innovative ideas to bridge the gap between computational advancements and real-world healthcare solutions.



ORC  
University of Gujrat

One Day Symposium  
**OPTIMIZATION IN AI-POWERED  
CANCER TREATMENT**  
21st November 2024

Guest Speakers

**Dr. Asrar Ahmad**  
Principal Scientist,  
Department of Medical Sciences (DMS)  
PIEAS

**Hassan Waseem**  
Senior Scientist,  
GINUM Hospital Gujranwala

OPTIACT  
OPTIMIZATION IN AI-POWERED CANCER TREATMENT  
UOG

Organized by  
Department of Mathematics  
in Collaboration with ORC, UOG