



**KALASALINGAM**  
**ACADEMY OF RESEARCH AND EDUCATION**  
**(DEEMED TO BE UNIVERSITY)**

Under sec. 3 of UGC Act 1956. Accredited by NAAC with "A++" Grade



**IEEE STUDENT BRANCH - KARE [34451]**

**IEEE Third International Conference on Intelligent Techniques in Control  
Optimization and Signal Processing (INCOS'24)**

**CERTIFICATE**



**IEEE**

**OF PARTICIPATION**

This is to certify that Prof./Dr./Mr./Mrs. Shivansh Singh of  
SRM Institute of Science and Technology has participated and presented a paper  
titled Enhanced Diabetic Retinopathy Analysis: UNet-based Lesion Segmentation  
Coupled with MobileNet V2 for feature extraction and EfficientNetB0 for classification  
(through online)  
in the IEEE Third International Conference on Intelligent Techniques in Control,  
Optimization and Signal Processing 2024 (INCOS'24) held at Kalasalingam Academy of  
Research and Education during March 14<sup>th</sup> - 16<sup>th</sup>, 2024.

**Dr. P. Aruna Jeyanthi**  
Technical Program Committee Chair

**Dr. D. Devaraj**  
Conference Chair

