

GIFT UNIVERSITY PRESENTS

# NATURE INSPIRED CNN OPTIMIZER

A RESEARCH PRESENTED BY MUSHOOD  
HANIF, MOHSIN ASHRAF, MEHVISH  
HAMEED AND RIDA YAQOOB UNDER THE  
SUPERVISION OF SIR SYED QAMAR  
ASKARI

## INTRODUCTION

CNNs HAVE BEEN USED FOR IMAGE CLASSIFICATION WITH A LOT OF SUCCESS BUT WITH A LOT OF WORK TO BE PUT INTO DESIGNING THE CNN, WE PROPOSE A METHOD TO AUTOMATE THE PROCESS OF INITIALIZING THE CNN BY USING SWARM-BASED ALGORITHMS.



PROVIDING A SIMPLE, EASY-TO-USE USER  
INTERFACE TO INTERACT WITH AND TEST  
THE SYSTEM AND GIVING THE USER  
CONTROL OVER THE SYSTEM

