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(71)**Name of Applicant :**
1)Malla Reddy Engineering College
Address of Applicant :Malla Reddy Engineering College Dhulapally post via Kompally Maisammaguda Secunderabad -500100 Secunderabad ---------- ----------
2)Dr.N.Sridhar
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Dr.N.Sridhar
Address of Applicant :Assoc. Professor Department of Information Technology, Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Medchal-Malkajgiri-500100. State:Telangana Email ID : sridhar.nampally@mrec.ac.in Number: 9177636662 Secunderabad ---------- ----------
2)Ms.M.Santhosha
Address of Applicant :Assistant. Professor Department of Information Technology, Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Medchal-Malkajgiri-500100. State:Telangana Email ID : Santhosha@mrec.ac.in Number: 6300352690 Secunderabad ---------- ----------
3)Ms.Ch.Venkata Anupama
Address of Applicant :Assistant. Professor Department of Information Technology, Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Medchal-Malkajgiri-500100. State:Telangana Email ID : anupama@mrec.ac.in Number: 8008143392 Secunderabad ---------- ----------
4)Ms.B.Anusha
Address of Applicant :Assistant Professor Department ofInformation Technology, Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Medchal-Malkajgiri-500100. State:Telangana Email ID : anusha20@mrec.ac.in Number: 7386149044 Secunderabad ---------- ----------
5)Ms.B.Rani
Address of Applicant :Assistant.Professor Department of Information Technology, Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Medchal-Malkajgiri-500100. State:Telangana Email ID : rani@mrec.ac.in Number: 8179508378 Secunderabad ---------- ----------
6)Mr.T.Nagarjuna Reddy
Address of Applicant :Assistant.Professor Department of Information Technology, Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Medchal-Malkajgiri-500100. State:Telangana Email ID : nagarjuna@mrec.ac.in Number: 7801004534 Secunderabad ---------- ----------
7)Mr.H.Venkata Subbaiah
Address of Applicant :Assistant Professor Department of Information Technology, Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Medchal-Malkajgiri-500100. State:Telangana Email ID :venkatasubbaiah575@mrec.ac.in Number: 8919348201 Secunderabad ---------- ----------

(57) Abstract :
ABSTRACT The Multi-Axis Multi-layer Perceptron Image Restoration Project utilizes advanced Multi-Layer Perceptron (MLP) neural networks to comprehensively enhance image quality. By addressing a wide range of challenges including noise, blurriness, rain, haze, and overall enhancement, the project offers a versatile toolkit for image restoration. Its multi-axis approach ensures targeted solutions for specific aspects of image quality, ranging from denoising and deblurring to deraining, dehazing, and general enhancement. Each axis employs sophisticated algorithms to effectively cleanse, sharpen, preserve, and enhance images, resulting in visually striking and aesthetically pleasing results. The project's versatility extends its applicability across various domains such as photography, computer vision, and remote sensing. Professionals and enthusiasts benefit from its flexible framework, allowing for tailored restoration techniques suited to specific needs and objectives. By seamlessly integrating multiple restoration axes, the project not only restores images but also optimizes them for their intended purposes, ensuring they meet the highest standards of quality and clarity.

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