

This work presents the development of a smart umbrella system using IOT, which can measure rainfall and predict the weather condition with the notion in your smartphone. It's about the real-time weather condition. In this we are going to learn about how to make a smart umbrella using IOT that connected to Wi-Fi. It can notify you before about the climate by giving audio output of the weather conditions. Which is being implemented using the smart sensor like Rain sensor, temperature sensor, Light sensor. During monsoon, sellers with an open shop, neighbours drying clothes outside and many similar situations cause inconveniences in our life. In case of street vegetable sellers, they need to protect the vegetables, fruits and customers from rains in monsoon season.



*Dr. Raja Reddy Duvvuru*, Associate Professor, EEE Department, Malla Reddy Engineering College, Secundrabad.

*Dr. M. Kondalu*, Professor & HOD, EEE Department, Malla Reddy Engineering College, Secundrabad.

## Automatic Rain Sensing Umbrella

Raja Reddy Duvvuru  
M. Kondalu



 **LAMBERT**  
Academic Publishing

**Raja Reddy Duvvuru  
M. Kondalu**

**Automatic Rain Sensing Umbrella**

FOR AUTHOR USE ONLY

FOR AUTHOR USE ONLY

**Raja Reddy Duvvuru  
M. Kondalu**

# **Automatic Rain Sensing Umbrella**

FOR AUTHOR USE ONLY

**LAP LAMBERT Academic Publishing**

## **Imprint**

Any brand names and product names mentioned in this book are subject to trademark, brand or patent protection and are trademarks or registered trademarks of their respective holders. The use of brand names, product names, common names, trade names, product descriptions etc. even without a particular marking in this work is in no way to be construed to mean that such names may be regarded as unrestricted in respect of trademark and brand protection legislation and could thus be used by anyone.

Cover image: [www.ingimage.com](http://www.ingimage.com)

Publisher:

LAP LAMBERT Academic Publishing

is a trademark of

Dodo Books Indian Ocean Ltd., member of the OmniScriptum S.R.L  
Publishing group

str. A.Russo 15, of. 61, Chisinau-2068, Republic of Moldova Europe

Printed at: see last page

**ISBN: 978-620-5-48734-1**

Copyright © Raja Reddy Duvvuru, M. Kondalu

Copyright © 2022 Dodo Books Indian Ocean Ltd., member of the  
OmniScriptum S.R.L Publishing group

FOR AUTHOR USE ONLY