

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"JNANA SANGAMA", BELGAVI-590018 KARNATAKA



Mini Project Report (18ECMP68)

ON

"HOME AUTOMATION UNDER WI-FI THROUGH ANDROID
APPS(EX:-SMART FAN)"

Submitted in partial fulfillment of the requirement for the award of degree
BACHELOR OF ENGINEERING

IN

ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by:

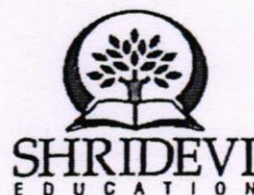
KARTHIK S

Under the Guidance of:

Prof. PRADEEP KUMAR .S.S

Assistant Professor, Dept. of ECE, SIET

Tumkur

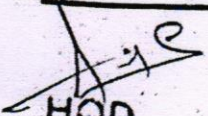


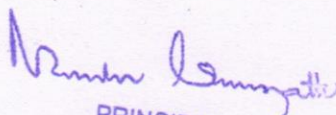
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

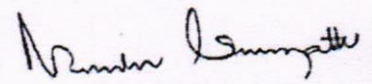
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Sira Road, Tumkur-572106

2021-2022


HOD
Dept of E&C
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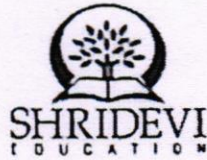

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Certificate

This is to Certified that the mini project work (18ECMP68) entitled "**HOME AUTOMATION UNDER WI-FI THROUGH ANDROID APPS(EX:-SMART FAN)**" has been Successfully carried out by **KARTHIK S**, a bonafide students of Shridevi Institute of Engineering and Technology, Tumkur- 572106, in partial fulfillment for the award of Bachelor Of Engineering in Electronics & Communication Engineering of the Vishvesvaraya Technological University, Juana Sangama, Belagavi -590018, during the academic year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessments have been incorporated in the report. The mini project report has been approved as it satisfies the academic requirement with respect to the mini project work prescribed for the said Bachelor Of Engineering degree.

Pradeep S
Signature of the guide

Prof. Pradeep kumar S.S
Assistant professor
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Aijaz Sharief
Signature of the HOD

Prof. Aijaz Ahamed Sharief
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Narendra Viswanath
Signature of the principal

Dr. Narendra Viswanath
Principal
SIET, Tumakuru

EXTERNAL VIVA

Name of examiners:

1. *Raghavendra D*
2. *Dr. Pradeep K. G. M*

Signature with date:

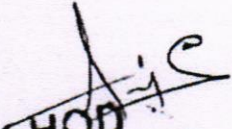
Raghavendra D
Pradeep K. G. M
28/07/2022

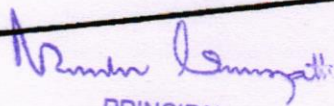
Narendra Viswanath
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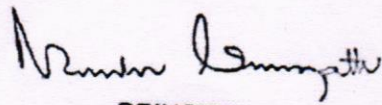
Narendra Viswanath
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ABSTRACT

Images are often corrupted by impulse noise in the procedures of image acquisition and transmission. In our project an efficient VLSI implementation of Adaptive Rank Order Filter (AROF) for removal of impulse noise is proposed. The algorithm removes noise without degrading the image information. The AROF VLSI architecture implements pipelining with parallel processing in order to speed up the filtering process. The performance of proposed algorithm is compared with Decision Tree Based Denoising Method (DTBDM).


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