



International Journal for Research Trends and Innovation

IJRTI | IJRTI.ORG | ISSN: 2456-3315

An International Open Access, Peer-reviewed, Refereed Journal

Certificate of Publication

The Board of
International Journal for Research Trends and Innovation
Is hereby awarding this certificate to

Balamurugan M

In recognition of the publication of the paper entitled
The Virtual Assistant: A Wearable Device for Independent Living of the Visually Impaired

Published in Volume 8 Issue 3, March-2023

Co-Authors - Logesh.M, Nirmal
Kumar.V, Prasath.S, Saranraj.N

Paper ID - IJRTI2303055



Editor-In Chief

INTERNATIONAL JOURNAL FOR RESEARCH TRENDS AND INNOVATION | IJRTI

An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal

Website: www.ijrti.org | Email: editor@ijrti.org | ESTD: 2016

Manage By: IJPUBLICATION Website: www.ijrti.org | Email ID: editor@ijrti.org



International Journal for Research Trends and Innovation

IJRTI | IJRTI.ORG | ISSN: 2456-3315

An International Open Access, Peer-reviewed, Refereed Journal

Certificate of Publication

The Board of
International Journal for Research Trends and Innovation
Is hereby awarding this certificate to

Logesh.M

In recognition of the publication of the paper entitled
**The Virtual Assistant: A Wearable Device for Independent Living of the Visually
Impaired**

Published in Volume 8 Issue 3, March-2023

Co-Authors - Balamurugan M, Nirmal
Kumar.V, Prasath.S, Saranraj.N

Paper ID - IJRTI2303055

Editor-In Chief



INTERNATIONAL JOURNAL FOR RESEARCH TRENDS AND INNOVATION | IJRTI

An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal

Website: www.ijrti.org | Email: editor@ijrti.org | ESTD: 2016

Manage By: IJPUBLICATION Website: www.ijrti.org | Email ID: editor@ijrti.org



International Journal for Research Trends and Innovation

IJRTI | IJRTI.ORG | ISSN: 2456-3315

An International Open Access, Peer-reviewed, Refereed Journal

Certificate of Publication

The Board of
International Journal for Research Trends and Innovation
Is hereby awarding this certificate to

Nirmal Kumar.V

In recognition of the publication of the paper entitled
The Virtual Assistant: A Wearable Device for Independent Living of the Visually Impaired

Published in Volume 8 Issue 3, March-2023

Co-Authors - Balamurugan
M, Logesh.M, Prasath.S, Saranraj.N

Paper ID - IJRTI2303055



Editor-In Chief

INTERNATIONAL JOURNAL FOR RESEARCH TRENDS AND INNOVATION | IJRTI

An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal

Website: www.ijrti.org | Email: editor@ijrti.org | ESTD: 2016

Manage By: IJPUBLICATION Website: www.ijrti.org | Email ID: editor@ijrti.org



International Journal for Research Trends and Innovation

IJRTI | IJRTI.ORG | ISSN: 2456-3315

An International Open Access, Peer-reviewed, Refereed Journal

Certificate of Publication

The Board of
International Journal for Research Trends and Innovation
Is hereby awarding this certificate to

Prasath.S

In recognition of the publication of the paper entitled
**The Virtual Assistant: A Wearable Device for Independent Living of the Visually
Impaired**

Published in Volume 8 Issue 3, March-2023

Co-Authors - Balamurugan M, Logesh.M, Nirmal
Kumar.V, Saranraj.N

Paper ID - IJRTI2303055



Editor-In Chief

INTERNATIONAL JOURNAL FOR RESEARCH TRENDS AND INNOVATION | IJRTI

An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal

Website: www.ijrti.org | Email: editor@ijrti.org | ESTD: 2016

Manage By: IJPUBLICATION Website: www.ijrti.org | Email ID: editor@ijrti.org



International Journal for Research Trends and Innovation

IJRTI | IJRTI.ORG | ISSN: 2456-3315

An International Open Access, Peer-reviewed, Refereed Journal

Certificate of Publication

The Board of
International Journal for Research Trends and Innovation
Is hereby awarding this certificate to

Saranraj.N

In recognition of the publication of the paper entitled
**The Virtual Assistant: A Wearable Device for Independent Living of the Visually
Impaired**

Published in Volume 8 Issue 3, March-2023

Co-Authors - Balamurugan M, Logesh.M, Nirmal
Kumar.V, Prasath.S

Paper ID - IJRTI2303055



Editor-In Chief

INTERNATIONAL JOURNAL FOR RESEARCH TRENDS AND INNOVATION | IJRTI

An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal

Website: www.ijrti.org | Email: editor@ijrti.org | ESTD: 2016

Manage By: IJPUBLICATION Website: www.ijrti.org | Email ID: editor@ijrti.org