



IJRRETAS

International Journal for Rapid Research in Engineering Technology
& Applied Science | ISSN: 2455-4723

website: www.ijrretas.com | Email: info@ijrretas.com | ESTD: 2015

Certificate

This is to certify that

Pooja Naresh Bhatt

PG Scholar (Power Electronics), IPS Academy, Institute of Engineering and Science, Electrical & Electronics
Engineering Department, Indore (M.P.) - 45, India

in recognition of the publication of the research paper entitled

***“Cuk Converter to charge a battery employing ANN
Controller based MPPT”***

Published in IJRRETAS (ISSN 2455-4723), Volume 5, Issue 5, May 2025

Paper ID: IJRRETAS155

Certificate No: **IJRRETAS-2025-155-A1** | Issued: 26 Oct 2026

Scan the QR code or verify at ijrretas.com/verify-certificate



Scan to verify



Editor in chief



Scholarly open access journals, Peer-reviewed, and Refereed Journals, (Calculate by google scholar and Semantic Scholar | AI-Powered Research Tool), Multidisciplinary, Monthly Journal



IJRRETAS

International Journal for Rapid Research in Engineering Technology
& Applied Science | ISSN: 2455-4723

website: www.ijrretas.com | Email: info@ijrretas.com | ESTD: 2015

Certificate

This is to certify that

Hemant Mehar

Assistant Professor, IPS Academy, Institute of Engineering and Science, Electrical & Electronics Engineering
Department, Indore (M.P.) - 452010, India

in recognition of the publication of the research paper entitled

***“Cuk Converter to charge a battery employing ANN
Controller based MPPT”***

Published in IJRRETAS (ISSN 2455-4723), Volume 5, Issue 5, May 2025

Paper ID: IJRRETAS155

Certificate No: **IJRRETAS-2025-155-A2** | Issued: 26 Oct 2026

Scan the QR code or verify at ijrretas.com/verify-certificate



Scan to verify



Editor in chief



Scholarly open access journals, Peer-reviewed, and Refereed Journals, (Calculate by google scholar and Semantic Scholar | AI-Powered Research Tool), Multidisciplinary, Monthly Journal



IJRRETAS

International Journal for Rapid Research in Engineering Technology
& Applied Science | ISSN: 2455-4723

website: www.ijrretas.com | Email: info@ijrretas.com | ESTD: 2015

Certificate

This is to certify that

Manish Sahajwani

Assistant Professor, IPS Academy, Institute of Engineering and Science, Electrical & Electronics Engineering
Department, Indore (M.P.) - 452010, India

in recognition of the publication of the research paper entitled

***“Cuk Converter to charge a battery employing ANN
Controller based MPPT”***

Published in IJRRETAS (ISSN 2455-4723), Volume 5, Issue 5, May 2025

Paper ID: IJRRETAS155

Certificate No: **IJRRETAS-2025-155-A3** | Issued: 26 Oct 2026

Scan the QR code or verify at ijrretas.com/verify-certificate



Scan to verify



Editor in chief



Scholarly open access journals, Peer-reviewed, and Refereed Journals, (Calculate by google scholar and Semantic Scholar | AI-Powered Research Tool), Multidisciplinary, Monthly Journal