



Certificate



4TH INTERNATIONAL CONFERENCE ON DATA, ELECTRONICS AND COMPUTING ICDEC 2025

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Organised by

Ruderia Global Institute of Engineering and Management, Jabalpur, MP, India

Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, MP, India

or

COMSYS Educational Trust, Kolkata, West Bengal, India

Recognizes the contribution of

Ranajey Ghoshal

as a Presenter for the paper entitled

**A Study on Supply Voltage Reduction Beyond IRDS Limit for Monolayer Black
Phosphorous TFET**

Program Chair, ICDEC-2025

Organizing Chair, ICDEC-2025