

# DESIGN OF A BOOST CONVERTER

*A project report submitted in partial fulfillment of the requirements  
For the award of the degree of*

## BACHELOR OF TECHNOLOGY IN ELECTRICAL & ELECTRONICS ENGINEERING

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(Permanently Affiliated to Jawaharlal Nehru Technological University, Kakinada, AP)

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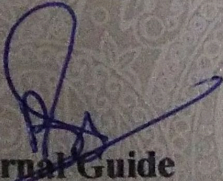
This is certify that the project report entitled "DESIGN OF BOOST CONVERTER" is a bonafide work submitted by P.MANIDEEP, R.RAJA, Y.SAI KRISHNA, S.SIVAJI, Y.MANI KUMAR AND Y.SIVA SURYA BHAGAVAN in partial fulfillment of the requirements for the award of degree of

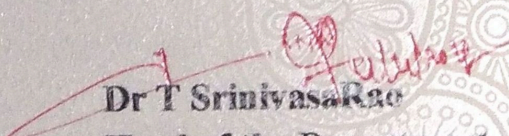
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# ABSTRACT

The switching mode power supply market is flourishing quickly in today's world. Design engineers aren't always supplied with the desired amount of voltage they need in order to make their design function properly. Adding an extra voltage supply to a design is not always cost efficient. This project is proposed to provide the hardware design of boost converter, boosting DC voltage from 24 Volts to 325 Volts by using SG3524 IC for switching operation. All aim, calculations, tests, data and conclusions have been documented within this report.

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