**FAULT RIDE-THROUGH STRATEGY FOR TWO-STAGE GPV SYSTEM ENABLING LOAD COMPENSATION CAPABILITIES USING EKF ALGORITHM**

**A Thesis**

**Submitted in partial fulfillment of the Requirements for the award of the Degree of**

**MASTER OF TECHNOLOGY**

In

**ELECTRICAL POWER SYSTEMS**

**ELECTRICAL & ELECTRONICS ENGINEERING**

Done by

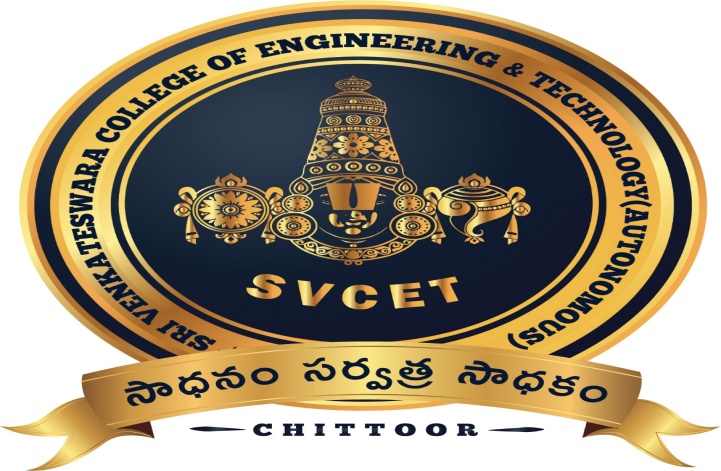
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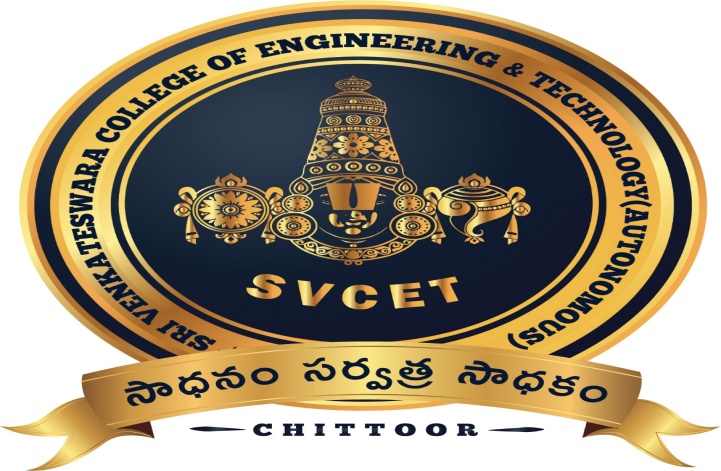
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**­**

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**CERTIFICATE**

 This is to certify that the thesis work entitled **“FAULT RIDE-THROUGH STRATEGY FOR TWO-STAGE GPV SYSTEM ENABLING LOAD COMPENSATION CAPABILITIES USING EKF ALGORITHM”** is a bonafide work carried out by **T. DHANASHEKHAR REDDYBABU (18781D0703),** submitted in the partial fulfillment of the requirements for the award of the degree, **MASTER OF TECHNOLOGY** in the stream of **ELECTRICAL POWER SYSTEMS** in **ELECTRICAL AND ELECTRONICS ENGINEERING** at **SRI VENKATESWARA COLLEGE OF ENGINEERING & TECHNOLOGY(AUTONOMOUS),** R.V.S Nagar, Chittoor, Accredited by NAAC ’A’ Grade & NBA, Approved by AICTE, New Delhi, affiliated to **Jawaharlal Nehru Technological University Ananathapuramu, Ananathapuramu** during the **academic year 2019-2020.**

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Submitted for University Examination: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**INTERNAL EXAMINER EXTERNAL EXAMINER**

**DECLARATION**

I,hereby declare that the thesis work entitled “**FAULT RIDE-THROUGH STRATEGY FOR TWO-STAGE GPV SYSTEM ENABLING LOAD COMPENSATION CAPABILITIES USING EKF ALGORITHM**” is original work done by me under the guidance of **Mr. G. VENKAT PRADEEP** & submitted in partial fulfillment of the requirements for the award of degree of **Master of Technology** with specialization of **Electrical Power Systems** inthe Dept. of **Electrical and Electronics Engineering** at **SRI VENKATESWARA COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS),** R.V.S Nagar, Chittoor, A.P.

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