

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA - 533 003, ANDHRA PRADESH, INDIA (4)

Sl. No. K 00442504

PC. No. 2019NOV07PHD02



NO IMAGE

PROVISIONAL CERTIFICATE

Hall Ticket No. : 12022P0405
Institution : JNTUK Kakinada
Aadhar No. :

(2)
This is to certify that Mr/Mrs. **VENKATA A N RAVI KUMAR DWARAPU**
son/daughter of Shri. **NARAYANA RAO DWARAPU** has satisfied
all the requirements for the award of **Doctor of Philosophy** in the
faculty of **ELECTRONICS & COMMUNICATION ENGINEERING** for
the Thesis entitled "Underwater Passive Target Tracking using Advanced
Stochastic Algorithms with Multi-Sensor Measurements". (3)



Dr. S. K. Rao

(5)
Date : 07-11-2019

* Medium of Instructions and Examinations in English

N. Madhan Rao
Controller of Examinations

R. Srinivasulu
Director of Evaluation

Registrar

Grams: "TECHNOLOGY"
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(4)

Directorate of Evaluation
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA-533003, Andhra Pradesh, INDIA

Dr. R. Srinivasa Rao,
B.Tech., M.E., Ph.D.,
Professor of EEE &
Director of Evaluation

Lr. No./ Ph.D / 475 / ECE / Mr. Venkata A N Ravi Kumar Dwarapu (Roll No. 12022P0405) / 2019, Dt: 25th October, 2019

NOTIFICATION

Sub: Award of Ph.D Degree in faculty of Electronics and Communication Engineering to
Mr. Venkata A N Ravi Kumar Dwarapu – Reg.
Ref: Letter from Director - R&D, dated 22-10-2019.
Ref: Ph.D Viva-Voce Examination – Examiners Report dated 21-10-2019.

(3)

The Thesis entitled "**Underwater Passive Target Tracking using Advanced Stochastic Algorithms with Multi-Sensor Measurements**" submitted by **Mr. Venkata A N Ravi Kumar Dwarapu**, Roll No. 12022P0405 in faculty of Electronics and Communication Engineering has been accepted by the University. Based on recommendations of the Panel of Examiners, **Mr. Venkata A N Ravi Kumar Dwarapu** is provisionally declared qualified for the award of degree of **Doctor of Philosophy** in faculty of Electronics and Communication Engineering. (2)

Date: 25-10-2019 (5)

// By Order//

R. Srinivasa Rao
Director of Evaluation

Copy to

1. **Mr. Venkata A N Ravi Kumar Dwarapu**, Research Scholar – through the Director, R&D Cell, JNTUK, Kakinada.
2. Dr. G. Sasibhushana Rao, External Examiner, Professor & Head, Department of ECE, AU College of Engineering, Andhra University, Visakhapatnam.
3. Dr. K. Padma Raju, Internal Examiner & Co-supervisor, Professor of ECE, JNTUK, Kakinada, On Deputation Member of APPSC, Andhra Pradesh.
- (1) 4. **Dr. S. Koteswara Rao**, Supervisor, Professor and RPAC Chairman, Department of ECE, KLEF, Guntur.
5. The Secretary to the Hon'ble Vice Chancellor JNTUK, Kakinada.
6. The Rector, JNTUK, Kakinada.
7. The Registrar, JNTUK, Kakinada.
8. The Director, R&D Cell, JNTUK, Kakinada.
9. The Director, Academic & Planning, JNTUK, Kakinada.
10. The Controller of Examinations, JNTUK, Kakinada.
11. The Director, Association of Indian Universities, Rouse Avenue, New Delhi.
12. The Public Relations Officer, JNTUK Kakinada.
13. Head, Department of ECE, UCEK, JNTU University, Kakinada.