Grams: "TECHNOLOGY"

Email: deintukakinada@gmail.com



Off: 0884-2300911 Mobile : +91 7093925555

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

Dr. P. Subba Rao,
B. Tech., M.E., Ph.D.,
Professor of Civil Engineering &
Director of Evaluation

Lr. No. DE / Ph.D / 237 /EEE/ D. Srinivas (09022P0216) / 2016, Dt: 26.10.2016.

#### **NOTIFICATION**

Sub: Award of Ph. D Degree in faculty of Electrical & Electronics Engineering to Mr. D. Srinivas - Reg.

The Thesis entitled "A Novel Method for Balancing of DC Link Capacitor Voltages of Multilevel Inverters" submitted by Mr. D. Srinivas, Roll No. 09022P0216 in Department of Electrical & Electronics Engineering has been accepted by the University. Based on the recommendations of the Panel of Examiners; Mr. D. Srinivas is provisionally declared qualified for the award of degree of Doctor of Philosophy in faculty of Electrical & Electronics Engineering.

Date: 26-10-2016.

// By Order//

Director of Evaluation

-Breenton

Copy to

1. Mr. D. Srinivas, Research Scholar - through the Director, R&D Cell, JNTUK, Kakinada.

 Dr. B. Sarvesh, External Examiner Department of EEE, JNTU College of Engineering, JNTUA, Anathapur -515 002.

3. Dr. Dr. B.K Sankar Ram, Professor of EEE, University College of Engineering, JNTUH, Kukatpally, Hyderabad.

4. The Secretary to the Hon'ble Vice Chancellor JNTUK, Kakinada.

5. The Rector, JNTUK, Kakinada.

6. The Registrar, JNTUK, Kakinada.

7. The Director, R&D Cell, JNTUK, Kakinada.

8. The Director, Academic & Planning, JNTUK, Kakinada.

9. The Controller of Examinations, JNTUK, Kakinada.

10. The Director, Association of Indian Universities, Rouse Avenue, New Delhi.

11. The Public Relations Officer, JNTUK Kakinada.

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Department of Electrical and Electronics Engineering
University College of Engineering, Kakinada
(Autonomous)

J.N.T. University Kakinada Kakinada – 533003, A.P, India



### Certificate

This is to certify that the thesis entitled "A NOVEL METHOD FOR BALANCING OF DC LINK CAPACITOR VOLTAGES OF MULTILEVEL INVERTERS" is being submitted by Mr.D Srinivas (R.No: 09022P0216) in partial fulfillment for the award of Doctor of Philosophy in Electrical and Electronics Engineering to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by him under our guidance and supervision.

The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

Signature of the Supervisor

Dr.B.V.Sanker Ram, Professor, Department of EEE JNTU,Hyderabad

Dr. B. W. NICHAL

PROPRINCIPAL

PROPRINCIPAL

HTU COLLEGIUM OF SCIENCE & TECHNOLOGY

HY SCHOOL OF SCIENCE & TECHNOLOGY

HY SCHOOL OF SCIENCE & TECHNOLOGY

Bendagouda, Hyd-Soo GOS.

Grams: "TECHNOLOGY"
Web Site: www.jntua.gc.in



## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR ANANTHAPURAMU - 515 002 (A.P.) - INDIA.

Prof. S. V. SATYANARAYANA Director of Evaluation

#### Lr. No.674/Ph. D/EE-23/NEV/EE/2018 dt. 07.06.2019

#### MOTIFICATION

Sub:- Award of Ph.D-Degree in Electrical Engineering to Mr. N.Rajasekhar Varma

The thesis entitled "WAVELET TRANSFORM BASED HIGH IMPEDANCE FAULT DETECTION IN DISTRIBUTION SYSTEM USING ARTIFICIAL INTELLIGENCE AND KNN TECHNIQUES" submitted by Mr. N.Rajasckhar Varma, [II.T.No.10Ph0220] has been accepted by the University on the recommendation of the panel of examiners. Mr.N.Rajasckhar Varma is provisionally declared and qualified for the award of Doctor of Philosophy, in the faculty of Electrical Engineering. The viva voce examination is conducted on 31.05.2019.

Date: 07.06.2019

//By Order//

Director of Evaluation

- 1. Mr. N.Rajasekhar Varma through the Director, R&D, JNTUA, Ananthapuramu.
- Dr. B.V. Ssnker Ram, Professor, Dept of Electrical & Electronics Engineering, JNTU College of, Engineering, Kukatpally, Hyderabad-500085. [Supervisor]
- Dr. Yogendra Kumar, Professor, Dept EE, Moulana National Institute of Technology, Bhopal-462003.
   [External Examiner]
- 4. PA to Vice-Chancellor, Administrative Building, JNTUA, Ananthapuramu.
- 5. PA to Rector, Administrative Building, JNTUA, Ananthapuramu
- 6. PA to Registrar, Administrative Dullding, INTUA, Annuhapuramu.
- 7. The Director, R&D, Administrative Building, JNTUA, Ananthapuramu.
- 8. The Director, Academic and Planning, Administrative Building, JNTUA, Ananthapuramu.
- 9. The Controller of Examinations (PG). Examination Branch, JNTUA. Ananthapuramu.
- 10. The Controller of Examinations (UG). Examination Branch, JNTUA, Ananthapuramue
- 11. The Director Association of Indian Universities, Rouse Avenue, New Delhi.
- 12. The Public Relations Officer, Administrative Building, JNTUA, Ananthapuramu

MA VEER

MISTITUTE OF SCIENCE & FECHNOLOGY

Bandlaguda, Hyd-500 886



E-Mail ID: drnd.vivavocc@jntua.ac.in Phone& Fax: 08554-273006

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR

ANANTHAPURAMU-515 002(A.P) INDIA Research & Development

Dr. A. Ananda Rao Professor of CSE & Director

### CONFIDENTIAL

Lr.Rc.No.603-18/Ph.D.823/NRV/EEE/2018, Dt :28.03.2019

To

1. Dr. B.V. Sanker Ram,

[Internal Examiner]

Professor.

Dept. of Electrical & Electronics Engineering, JNTU College of Engineering, Kukatpally,

Hyderabad-500085 Cell: **8500961061** 

Email Id: bysram4321@yahoo.com

2. Dr. Yogendra Kumar,

[External Examiner]

Professor, Dept. of EE, Moulana Nataional Institute of Technology, Bhopal-462003

Bhopal-462003 Cell: 08959662996

Email Id: ykmact@yahoo.co.in

Sir.

Sub: JNTUA – R & D – Ph.D. (EE) – Appointment of Examiners – Request for date of Viva-Voce examination – Reg.

Ref: D.O.Lr.No.660/ Ph.D./EEE-23/NRVM/EE /2018, dt: 27.03.2019.

I am happy to inform you that you have been appointed as examiner for the conduct of Ph.D. Viva-Voce examination in respect of Mr. N. Rajasekhar Varma in the faculty of Electrical & Electronics Engineering.

Therefore, I request you to communicate any two dates convenient to you within two weeks after consultation with the second examiner so as to arrange for the conduct of Viva-Voce examination. Further, you are requested to provide the dates such that there should be a minimum of 10 days duration from the date of this orders. You will be paid TA/DA and Honorarium as per the University norms.

PRINCIPAL MAHAMETER
MAHAMETER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

Encl: Xerox Copies of thesis evaluation reports.

Web: www.jutub.ac.in Email: dephd o jutuh.ac.in



Phone: Off +91 40 25156113 Fax: (91 10 23158668

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD (Latablished by JNTL Act So. 30 of 2008) Kukatpally, Hyderahad - 400 085, Telangana (India)

Dr. V KAMAKSIII PRASAD M. Tech., Ph.D. (HT - Madrus), FH-, MCSI Professor of Computer Science and Engineering & DIRECTOR OF EVALUATION

Ref: P7/Ph.D./1902/01-02/DK/EEF/2019

Dt:- 12 06.2020

## NOTIFICATION

Sub : Award of Ph.D. Degree in Electrical & Electronics Engineering to Mr. Durgam Kumaraswamy (HT, No. 1203PH0783).

The thesis entitled "MOSFET Based DC-DC Converter Using Soft Switching Techniques for Improving Performance" submitted by Mr. Durgam Kumaraswamy has been accepted by the University on the recommendations of the panel of examiners. Mr. Durgam Kumaraswamy is provisionally declared and qualified for the award of Doctor of Philosophy in the faculty of Electrical & Electronics Engineering.

//By order//

DIRECTOR OF EVALUATION

- 1. Mr. Durgam Kumaraswamy through the Director, DRD, JNTUH, Kukatpally, Hyderabad.
- 2. Dr. B V Sanker Ram, Retd. Professor, H.No. 1-42/PE/111, Plot No. 111, Pragathi Enclave Colony Miyapur, Hyderabad – 500049, Telangana State. [Supervisor]
- 3. Dr. D. M. Vinod Kumar, Professor, Department of Electrical Engineering, National Institute of Technology Warangal, Warangal - 506 004, Telangana State. [External Examiner]
- 4. PA to Vice-Chancellor, Administrative Building, JNTUH, Kukatpally, Hyderabad.
- 5. PA to Registrar, Administrative Building, JNTUH, Kukatpally, Hyderabad.
- 6. The Director, DRD, Administrative Building, JNTUH, Kukatpally, Hyderahad.
- 7. The Director, Academic and Planning, JNTUH, Kukatpally, Hyderabad.
- 8. The Controller of Examinations, JNTUH, Kukatpally, Hyderabad.
- 9. The Director, Association of Indian Universities, Rouse Avenue, New Delhi.

10. The Public Relations Officer, Administrative Building, INTUH, Kukaipa

MAHAVEER INSTITUTE OF SCIENCE & TECHNOLOGI

Bandlaguda, Hyd-500 005.

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD HYDERABAD - 500 085, TELANGANA STATE, INDIA.





320001517 si. no. pc 0095685





Hall Ticket No.: 1203PH0783

This is to certify that Mr. DURGAM KUMARASWAMY

SON

of Mr.

PAPAIAH

has satisfied all the requirements for the award of Doctor of Philosophy

in the faculty of <u>ELECTRICAL AND ELECTRONICS ENGINEERING</u>

of this University, held in May, 2020

for the thesis entitled,

"MOSFET Based DC-DC Converter Using Soft Switching Techniques for Improving Performance".

Verified by

Hyderabad - T.S.

Date: 12 June 2020

Uprasso Director of Evolution

Director of Evaluation

REGISTRAR

PRINCIPAL MAHAVEER

MOTITUTE OF SCIENCE & TECHNOLOGY

Bandlapuda Hydronogo

Web: www.jntuh.ac.in Email: dephda jntuh.ac.in



Phone: Off: +91-40-23156113 Fax: +91-40-23158668

### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD (Established by JNTU Act No. 30 of 2008)

Kukatpally, Hyderabad - 500 085, Telangana (India)

Dr. V KAMAKSHI PRASAD M. Tech., Ph.D. (117 – Madras), FIL., MCSI Professor of Computer Science and Engineering & DIRECTOR OF EVALUATION

> Ref:- P7/Ph.D./19256/10-01/CT/EEE/2019 Dt:- 27.06.2020

### NOTIFICATION

Sub: Award of Ph.D. Degree in Electrical & Electronics Engineering to Mr. Charansingh T, (HT. No. 1103PH0734).

The thesis entitled "Transient Stability Analysis and Stability Improvement of Multi Machine System with 6 Phase Transmission Systems" submitted by Mr. Charansingh T has been accepted by the University on the recommendations of the panel of examiners. Mr. Charansingh T is provisionally declared and qualified for the award of Doctor of Philosophy in the faculty of Electrical & Electronics Engineering.

//By order//

DIRECTOR OF EVALUATION

- 1. Mr. Charansingh T through the Director, DRD, JNTUH, Kukatpally, Hyderabad.
- 2. Dr. B V Sanker Ram, Retd. Professor form JNTUH, H.No. 1-42/PE/111, Plot No. 111, Pragathi Enclave Colony, Miyapur, Hyderabad 500 049, Telangana State. [Supervisor]
- Dr. K Raghu Ram, Principal, Laqshya Inst. of Tech. & Science, Tanikella, Khammam 507 305, Telangana State. [Co-Supervisor]
- 4. Dr. K. Shanti Swarup, Professor, Department of Electrical Engineering, Indian Institute of Technology Madras, Chennai 600 036, Tamilnadu. [External Examiner]
- 5. PA to Vice-Chancellor, Administrative Building, JNTUH, Kukatpally, Hyderabad.
- 6. PA to Registrar, Administrative Building, JNTUH, Kukatpally, Hyderabad.
- 7. The Director, DRD, Administrative Building, JNTUH, Kukatpally, Hyderabad.
- 8. The Director, Academic and Planning, JNTUH, Kukatpally, Hyderabad.
- 9. The Controller of Examinations, JNTUH. Kukatpally, Hyderabad
- 10. The Director, Association of Indian Universities, Rouse Avenue, New Delhi.
- 11. The Public Relations Officer, Administrative Building, JNTUIL Kukatpally, Hyderabad.

PRINCIPAL

PA A H A V E E R

INSTITUTE OF SCIENCE & TECHNOLOGY

Pandlaguda, Hyd-500 005.

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

- 500 085, TELANGANA STATE, INDIA

TS 1437999



H.T NO : 1103PH0734





Mr. Charansingh T

Sto, Sundarsingh

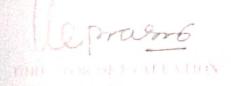
baying fulfilled the academic requirements in June - 2020 has this day been admitted by the Executive Council to the Degree of

> Doctor of Philosophy Electrical And Electronics Engineering

Topic: 'Transient Stability (Inalysis and Stability Improvement of Multi Machine System with 6 Phase Transmission Systems'.

Given under the Scal of the University

Date: 16-10-2020





PHET & TECHNOLOGY 320001540 Bandlaguria, Hyd-500 005

#### JAWARANLAL MERRU TECHNOLOGICAL UNIVERSITY HYDERARAD EDEATRALLY HYDERARAD SON ORS

#### ADMIRSION LETTER

DR. A VINAYA BABU DIRECTOR ADMISSIONS

Lr No DA/HJ/Ph.D/M.Phil/M3/Admna(Ex)/2011 Dt 12 09 2011

SUB : JNTUH - Admissions to External Research Programmes - 2011

- 1 You are provisionally selected for admission into Ph.D. programme in ELECTRICAL ENGO faculty subject to available of vacancy at the quide and/or coquide
- 2. You are requested to report to the Director, Research & Development Cell, DNIGH, Rukatpally, Hyd -85 on or before 01 10 2011 and submit the following
  - (1) I C Degree Cartificate in Original (Provisional Certificate is not acmissable)
  - (ii) Transfer Certificate in original
  - (111) Fors

A Demand Draft drawn on any nationalized bank for Rs 20,700/- (Rs 20,000/- one year fee + Rs 500/- caution deposit + Rs 200/- admission fee) in favour of The Registrar, JNTUH, Hyderabad payable at Hyderabad

Regular University employees have to pay of Rs. 200/- towards the admission fee. Joining Report of the candidate, countersigned by the Research Supervisor(s) (1v) indicating the place where the Research work will be carried out. No Objection Certificate from the Head of the Organisation.

(vi) Latest Four pusport size photographs.

- 3. Details of the Candidates:
- (1) Name & Address:

T CHARAN SINGH H NO 4-1-215 ROTARY NAGAR MAMMAHX 507002

Supervisor(s) Namo Designation and Address UR B V SATKER PAM VICE-PRINCIPAL JNTUH COLLEGE OF ENGG KUKATPALLY HYDERABAD-85

Co Supervisor(s) Name Designation and Address DR K RAGHU RAM PRINCIPAL LAQSHYA INST OF TECH & SCIENCES TANIKELLA-507305 KONIJERLA MDL, KHAMMAM

Topic of Research ANALYSIS OF TRANSIENT STABILITY WITH SMART CRID AND 6 PHASE TRANSMISSION SYSTEMS

4. From second year enwards for each year you will have to pay an amount of Rs 20,000/- (Rupees twenty thousands only) towards yearly fee before July 31 and obtain receipt

200123 I CHARAN SINGH

DIRECTOR, ADMISSIONS

Lopy to:

(1) The Director, R&D Cell, JNT University, Kukatpally, Hyderahad-85

(2) Supervisor are requested to check the list of candidates (given in JATUH website) admitted under them till last year and then accept newly admitted candidate only if the no of candidates under them are less than eight. Submit your list of eight condidates along with agreement latter to Director RED Section, JNTUB. After verifying the no of candid to new candidate will be approved

3) Co-Supervisor with a request to accept only if the Mariaclas B. are less than eight institute of science & technology

lote The candidate should collect copy of guideline (Pandaguda Hyd 600 006: iona from the Director, Rab Cell, JNT University, Hyderabad.

## ANNAMALAI

11

### UNIVERSITY

PRINCIPALLET OF

(To be filled by Co-guide (applicable for External / Interdisciplinary

Signature of the feed of Instrution						
briot tretitute of Technology (G11)			PRINCIPAL Outle			
aman	iathapuram Revenue village,	Christ Institute of Technology (CIT)				
7	hondamanatham Post,	Ramanathapuram Revenue Village,				
1	Ruducherry, 605-502 Name of the Applicant	Thondamanatham Post,				
1			J. VNOTHKUMAK			
2	Name of the Co-Guide		Dr. R. NAKKEERAN			
3	Date of Birth & Age		22.06.1965,51			
4	Designation. Place of Working		PRINCIPAL, DUDUCHERRY			
5	Contact Address with Phone/Mobile  e-mail:  CHRIST INSTITUTE OF  TECHNOLOGY, DAMANATHAN  VILLIYANUR, PUDUCHERRY					
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$					733, Sudha
	Name of Degree	Specialisation (major)		College and Univer- Sity		worth &
						Year of Pass- ing Class
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					•	
7	Title of dissertation for Ph D	Hyl	ond with	ellique	nt compa	tip appro
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8	Degree Programme  No of research papers published in accredited / indexed journals  17 17 17 17 17 17 17 17 17 17 17 17 17 1					
9	No of books published / invited chapters contributed (enclose list)					
10	Total research expenence (enclose details: Years: 26 Months:					
	Positions held: Professor & Poincipes.					
	Name of Institution				from	To
11	Christ Snotitute of Technology				12.8.201	5 till dale

Total No of candidates registered at present details, ou as cold and in the sent of the se

Subject / Discipline in which you propose to guide for

12

13

14

Annamalai University

## **DECLARATION BY THE CANDIDATE**

I declare that the thesis entitled "A STUDY ON DYNAMIC RESPONSE IN HYDROLIC EQUIPMENT WORKING WITH HEAVY LOADS" is my own work conducted under the supervision of DR. NILESH DIWAKAR at Sri Satya Sai University of Technology & Medical Sciences, Schore, MP and Co-Supervisor of DR. B NAGESHWAR RAO, Mahaveer Institute of Science & Technology, Hyderabad approved by Research Degree Committee. I have put in more than 240 days of attendance with supervisor at the center.

I further declare that to the best of my knowledge, the thesis does not contain any part of any work which has been submitted for the award of any degree either in this University or in any other University without proper citation.

Place :Sehore(MP)

Date:

Signature of the Candidate

But am

PRINCIPAL
MAHAVEER
INSTITUTE OF SCIENCE & TECHNOLOGY
Bandlaguda, Hyd-500 005.

### **DECLARATION BY THE CANDIDATE**

I declare that the thesis entitled "OPTIMIZATION OF SPRAYING PROCESS IN THERMAL POWER PLANT USING ROBOT" is my own work conducted under the supervision of DR. NILESH DIWAKAR at Sri Satya Sai University of Technology & Medical Sciences, Sehore, MP and Co-Supervisor of DR. B NAGESHWAR RAO, Mahaveer Institute of Science & Technology, Hyderabad approved by Research Degree Committee. I have put in more than 240 days of attendance with supervisor at the center.

I further declare that to the best of my knowledge, the thesis does not contain any part of any work which has been submitted for the award of any degree either in this University or in any other University without proper citation.

Place :Sehore(MP)

Date:

Signature of the Candidate

PRINCIPAL
MAHAVEER
DISTITUTE OF SCIENCE & THOMSOLOGY
Bandlaguda, Hyd-500 005

## Study on Ultrasonic propagation in Polymers and Molecular Interaction Studies of Binary System using Ultrasonic Interferometer Technique

Thesis submitted to Dravidian University in partial fulfillment of the requirements for the degree of Doctor of Philosophy in Physics

Ву

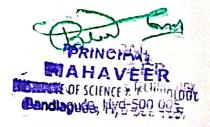
M.BALARAJU (REG No. 01509223005)

# Research Supervisor Dr. K. MADHUSUDHANA

Assistant Professor,
Mahaveer Institute of Science and Technology
Bandlaguda, Hydrabad – 500 005.



DRAVINDIAN UNIVERSITY
KUPPAM, ANDHRA PRADESH
(2017)



# UNDER CERTIFICATE OF POSTING JAMAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KUKATPALLY : HYDEPAULD 500 072

DR. M CHANDRA SHEKAR Coordinator, Admissions

Lr, Ne.CA/H3/M3/Ph.D/M, Phil/Admns (PT) /2006 DL.OB.OB.2006

- SUB: JNT University Admissions to Part Time Research Programmes 2000 1. You are provisionally selected for admission into Ph.D. programme in ELECTRICAL ENGINEERING faculty
- 2. You are requested to import to the Director, Research & Development Coll JNT University, Kukatpally, Hyderabad-72 on at before 00.05.2006 and submit the follows
  - (i) P.G. Degree Certificate in Original (Provisional Certifi at a to not administrate)

(11) Transfer Certificate in original

(ili) Fees:

A Demand Draft drawn on any nationalized bank for Rs.20,700/- (Rs.20,000/- one year fee + Rs.500/- caution deposit + Rs.200/- admission fee) in favour of The Registrar, JNTU, Hyderabad payable at Hyderabad.

Regular University employees have to pay of Rs.2007- only towards the admission (iv) Joining Report of the candidate, countersigned by the Research Supervisor's indicating the place where the Research work will be carried out.

(v) No Objection Cortificate from the Head of the Organization.

- J. Details of the Candidates:
- (i) Namo & Address:

D OBULESU TEACHER ZPIIS, KAMALAPIRAM KADAPA DIST 516289

(ii) Faculty in which admitted into Ph.D. programme : ELECTRICAL ENGINEEPING

(iii) Centre for Pre-Ph.D. Exam:
THE DIRECTOR, RESEARCH & DEVELOPMENT CELL, JNT UNIVERSITY, KUKATPALLY, HYDERABAD-77

Supervisor(s) Name Designation and Address Co\_Supervisor(s) Name
Designation and Address

DR S F KODAD
PROFESSOR & HOD
DEPT OF EEE
AURORAS ENGG COLLEGE
BHONGIR-506116

DR B V SANKER RAM
PROFESSOR
DEPT OF ELECTRICAL ENGO
JNTU COLLEGE OF ENGG
KUKATPALLY, HYD-72

Topic of Research:
DESIGN AND IMPLEMENTATION OF ROBUSTUNIFIED POWER FLOW CONTROLLER FOR DAMPING POWER SYSTEM OSCILLATION

amount of Rs.20,000/- (Rupees twenty thousand only) towards yearly fee before July 31 and obtain receipt.

ro n ofincesu.

Topy to: (1) The Director, Red Cell, JWT University, Ku 30 (11), Myderahad-7

- (?) Supervisor
- (3) Co-Supervisor

Mater. the catalidate should also

MA VEER
HISTITUTE OF SCIENCE & THE MOHEST
Bandlaguda, Hyd-500 865: