

ABOUT THE INSTITUTION

Established in 1965 as Tripura Engineering College. Later, the Government of India converted the Tripura Engineering College to National Institute of Technology Agartala on 1st April 2006. NIT Agartala is an Institute of National Importance was instituted by Government of India with the mission to herald excellence in technical education and research in the North-East region. NIT Agartala offers undergraduate, postgraduate, and doctoral programs in various fields of engineering, science, humanities, and management. The institute is renowned for its academic excellence, research initiatives, and industry collaborations. NIT Agartala boasts state-of-the-art infrastructure, well-equipped laboratories, and a conducive learning environment.

VISION

Institute is committed to develop highly competent young Engineers, Scientists, and Management Professionals to cater to the ever-increasing techno-managerial needs of national and international standards fulfilling professional ethics and societal commitment.

MISSION

To produce techno-managerial human resource in line with global need offering state-of-the-art facility, research and training in engineering and allied disciplines.



CHIEF PATRON

Prof. S. K. Patra
Director

National Institute of Technology Agartala

PATRON

Dr. Rup Narayan Ray
HoD, Department of Electrical Engineering

COORDINATOR

Dr. Padmagirisan P,
Assistant Professor, NIT Agartala

ADDRESS FOR CORRESPONDENCE

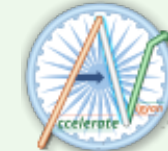
Dr. Padmagirisan P,
Assistant Professor, NIT Agartala
Department of Electrical Engineering
National Institute of Technology Agartala
Email : technicalprogramnita@gmail.com
Contact No. : +91 9566951395

TARGET PARTICIPANTS

Regular students pursuing M.E/M.Tech/Ph.D and 4th year UG students working/studying in the area of Electrical Engineering/Electrical and Electronics Engineering/other relevant specialization from any recognized University/Institute/college in India. Maximum number of participants for this program is limited to 5 only.

IMPORTANT DATES

**Last date of receipt of application:
25 Februray 2024
Notification about selection : by email**

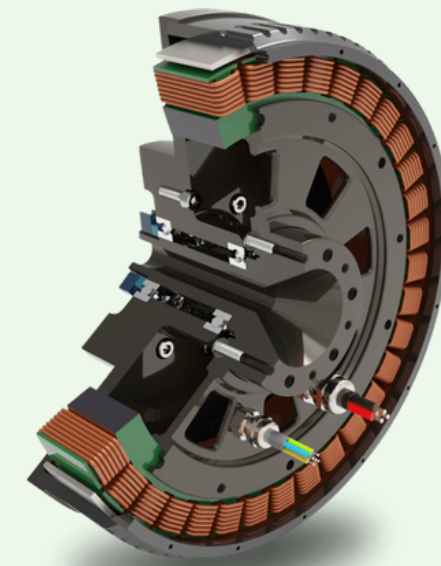


Training and Skill Internship ("VRITIKA")

28 Feb 2024 to 28 Mar 2024

On

Performance Analysis of Electric Machines Suitable for Electric Vehicles



Sponsored by

**Science and Engineering Research Board
Under Accelerate Vigyan Scheme
(A Government of India Initiative)**

at

**Department of Electrical Engineering
National Institute of Technology, Agartala,
Tripura - 799046**

**[https://www.nita.ac.in/Department/Deptindex.aspx?
page=a&ItemID=oi&nDeptID=caasc](https://www.nita.ac.in/Department/Deptindex.aspx?page=a&ItemID=oi&nDeptID=caasc)**

ABOUT ELECTRICAL ENGINEERING DEPARTMENT

The Department of Electrical Engineering is established in 1965 under the aegis of Tripura Engineering College (TEC), a state engineering college of Tripura, which is upgraded as National Institute of Technology on 1st April 2006. The department offers a four years B.Tech program in “Electrical Engineering”. The department offers 2 years M.Tech programs in four specializations namely Power System Engineering, Power Electronics & Drives, Instrumentation Engineering, and Integrated Energy Systems.

The department is actively involved in high quality research and also running Ph.D. programs in especially in Instrumentation, Power System, Power Electronics & Drives, Renewable Energy, Smart Grids, Electric Vehicles etc. The research interests of the faculty members include a wide range of sub-disciplines of Electrical Engineering. The research activity of the department includes fundamental research, sponsored and consultancy projects, and is carried out with the active participation of the students, faculty, and research staff.

OBJECTIVES OF THE PROGRAM

The primary objectives of the event:

- To provide participants with inclusive knowledge of the fundamental technology, benefits, and potential of electric vehicles, helping them understand the implications of these vehicles on the environment and energy consumption.
- To equip participants with practical knowledge and skills related to the design, operation, and control of electric machines.
- To impart technical knowledge on mathematical modeling and simulation of various electrical machines suitable for electric vehicles.
- To encourage participants to explore and identify new research ideas related to electric vehicles and to develop an understanding of the skills required to solve these research problems.
- To encourage and guide students to write a research paper on the given topic.
- To facilitate participants to build their profile for their future job prospects and/or higher studies.

SELECTION PROCESS

- The screening will be primarily based on Academic performance in university examinations (CGPA/Percentage of marks and other details presented on the application form.
- Shortlisted applicants (only) will be intimated through their email.

HOW TO REACH NIT AGARTALA

The Institute is 4 km away from Jirania on Assam- Agartala Highway (NH-44) and about 20 km away from Agartala city. Agartala is well connected by Rail Road and Air. Pre-Paid Taxi and auto services are available from Agartala Airport to the Institute.

NATURE OF SUPPORT

- The interns will be given for meeting daily necessary expenses such as stationery, consumables, accommodation, food, etc., as per the norms of the funding agency.
- No STIPEND will be provided for the internship.
- The interns will be eligible for Travelling Allowance (TA) reimbursement for their journey to the host institute from their hometown/home institute, both ways, as per GOI norms. (Shortest route in Economic Sleeper Train/Bus Fare)
- Certificate will be provided on successful completion of this training and internship.

Please fill up the registration form:

<https://forms.gle/fcY956iH9Z3DMJdXA>



For any query, please contact on email:
technicalprogramnita@gmail.com,
Mob.: +91 9566951395





SERB - VRITIKA Program - Accelerate Vigyan Scheme
Training and Skill Internship

on

Performance Analysis of Electric Machines Suitable for Electric Vehicles

28 Feb 2024 to 28 Mar 2024

Organized by the Department of Electrical Engineering,
National Institute of Technology Agartala, Tripura

Annexure-I

Application Form

Attach your
passport-size
photograph here

1.	Full Name of the Applicant (As mentioned on your certificates)	
2.	Father's/ Mother's/ Guardian's name	
3.	Date of birth (DD/MM/YY)	
4.	Gender	Male/Female
5.	Nationality	
6.	ID Card Number	
7.	Correspondence Address	
8.	Permanent Address	
9.	Contact Number	
10.	Email Address	
11.	P.G. Degree Pursuing	M.Sc./ M.Tech./M.E./Others
12.	Specialization Subject in P.G. (if any)	

13.	Name of the Institution/University/College	
14.	Institution/University/College Address	
15.	Name of the Department/School	
16.	Percentage/CGPA in P.G.: (Attach self-attested photocopy of all available mark sheets)	Semester 1: Semester 2: Semester 3:
17.	U.G.	B.Sc. / B.Tech. / B.E. / Others
18.	Subjects in U.G. and Specialization (if any)	
19.	Name of the Institution/University/College	
20.	Name of the Department/School	
21.	Percentage/CGPA obtained in U.G. (Attach self-attested photocopy of mark sheets and certificates)	
22.	Percentage/CGPA of marks in 12 th (Attach self-attested photocopy of mark sheets and certificates)	
23.	Percentage/CGPA of marks in 10 th	
24.	Name and phone number of the emergency contact person	
25.	Within 2000 characters write: (i) Why are you interested in this Training and Skill Internship? (ii) How will it be beneficial to you?	

Declaration: I agree that all the information mentioned is correct and I shall be liable for the same.

Place:

Date:

Signature of Applicant



Annexure-II

Endorsement cum No Objection Certificate from the Head of the Department

(To be submitted on University/Institute/College Letterhead)

This is to certify that:

1. Mr. / Ms. / Mrs. _____, is a bonafide student of our University / Institute / College and will assume full responsibility for actively participating in the Training and Skill Internship on **“Performance Analysis of Electric Machines Suitable for Electric Vehicles”** sponsored by SERB under the Accelerate Vigyan Scheme, scheduled from 28th February to 28th March 2023.
2. The Applicant is a Full-time / part-time student of our University/ Institute/ College and enrolled in BE/B.Tech./M.Sc./M.Tech/M.E/Ph.D. Programme in Department.
3. The candidate has secured _____ % / CGPA / CPI till date (if applicable).
4. The University/ Institute/ College also endorses the conduct of the applicant to be of the highest order and bears a good moral character.
5. The University/ Institute/ College has “No-Objection” for the candidate’s participation during the above period.
6. If selected for participation, the candidate shall be duly permitted to attend the Training and Skill Internship in physical mode. The University/ Institute/ College may provide the necessary facilitation for this purpose.

Date:

Place:

Signature and Seal with name
(Head of the Department)



SERB - VRITIKA Program - Accelerate Vigyan Scheme
Training and Skill Internship on
(28 Feb 2024 to 28 Mar 2024)

Performance Analysis of Electric Machines Suitable for Electric Vehicles

Organized by Department of Electrical Engineering
National Institute of Technology Agartala, Tripura

Annexure-III

(Undertaking from the Student Applicant)

1. I hereby provide my consent to participate in the Training and Skill Internship titled “**Performance Analysis of Electric Machines Suitable for Electric Vehicles**” organized by the Department of Electrical Engineering , National Institute of Technology Agartala, Tripura.
2. Vouch for participating in this Training and Skill Internship wholeheartedly and sincerely attend all the hands-on sessions and presentations with utmost dedication.
3. I shall also be responsible and attentive to involve myself during the discussion/interaction session.
4. I am aware that it is mandatory to attend all the hands-on sessions and seminars/talks compulsorily qualify for the course assessment and submit a report in order to avail the certification successfully.
5. I understand the materials supplied during this Training and Skill Internship are only for educational/academic purposes.
6. Uploading/hosting/sharing any content on any platform shall be unlawful on the grounds of Intellectual Property Rights.
7. Any Proxy participation in the Training and Skill Internship shall invite immediate cancellation of his/her candidature, which shall be reported to the parent institution.
8. I understand that to ensure my physical presence and any support in this regard is to be sought from the applicant’s parent Institution. The organizing institute shall not be liable for the same.
9. I shall strictly follow the COVID guidelines issued by the Government of India and the State of Tripura.
10. I agree to abide by any other terms and conditions of the organizing Institute and SERB.

Name of the Applicant:

Date of Birth:

Programme (BE/B.Tech./ME/M Tech/Ph.D):

Institution/College/University:

Date:

Place:

Signature of the applicant