



# National Institute of Technology Goa

(An Institution of National Importance under MHRD, Govt. of India)

Department of Electrical and Electronics Engineering

Advt. No.: NITG/ADMIN/2017/OW/330

Dated: May 26, 2017

## Advertisement for the Position of Project Associates

Applications are invited from interested and highly motivated candidates for the post of Research Associates to work on the R&D project titled “**Development of a Multipurpose Intelligent Controller for a Nano Grid Operation**” sanctioned by **Ministry of New and Renewable Energy (MNRE)**, New Delhi. The staff will be appointed initially for one year (on contract) and their services will be extended for next year based on the performance review. The position is co-terminus with the project.

**Name of Project Investigator** : Dr. C. Vyjayanthi  
**Department** : Electrical and Electronics Engineering  
**Duration of the project** : 2 Years (2017-2019)

S No.	Position	Basic Qualification	Desirable knowledge areas	Duration	Consolidated Salary	Number of Positions
1	Project Associate1	B.Tech./B.E./M.Tech./M.E. in Electrical and Electronics/ Electronics and Communication Engineering	MATLAB, FPGA, micro controller coding, Digital Signal processor (DSP) coding	Initially for the period of one year which may be extended	Rs. 25,000/- (Per month)	01
2	Project Associate2	Diploma or equivalent/ B.Tech./B.E. in Computer Science/ Electrical and Electronics/ Electronics and Communication	Mobile Application Development, Cloud Computing		Rs. 12,000/- (Per month)	01

### **Eligibility for Project Associate1:**

1. M.Tech./M.E./equivalent in Electrical Engineering / Electrical and Electronics Engineering Electronics / Communications Engineering with at least 6.5 CGPA or 60 percent marks in aggregate from a recognized technical institute or university as a full time program.
2. B. Tech/B.E./ in Electronics and Telecommunication/ Electrical Engineering / Electrical and Electronics Engineering Electronics with at least 6.5 CGPA or 60 percent marks in aggregate from a recognized technical institute or university as a full time program.

### **Desirable Qualification for Project Associate1:**

A strong knowledge of MATLAB-Simulink is highly desirable. Additionally knowledge of DSP Controller programming/ FPGA/ Arduino Micro Controller coding along with knowledge of Raspberry Pi would be appreciated.

**Eligibility and desirable Qualification for the position of Project Associate2 is as given in Table above.**

### **Objective of the Project**

Performance analysis and prototype development of an Intelligent Controller for a Nano Grid Operation using hardware in the loop set-up as a part of Smart Electric grids using power line/WiFi/Bluetooth communication modes. Additionally, developing a mobile application with a facility to store and retrieve data from Internet Cloud.



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## **Important Instructions:**

1. Candidate possessing the requisite qualification and experience should apply, in the attached format along with their updated CV latest by midnight of **30<sup>th</sup> June, 2017**. The applicant will be responsible for the authenticity of information, other documents and photographs submitted.
2. Mere, possessing the prescribed qualification does not ensure that the candidate would be called for Interview. The Candidates will be shortlisted on the basis of merit and need of the project.
3. Applicants in employment (private, government or any other organization) are required to submit a “No Objection Certificate” from the employer at the time of interview.
4. Duly filled and signed scan copy of Application Form along with the scan copies of mark sheets/documents must be sent to Dr. C. Vyjayanthi (PI), **only through e-mail**, at: [c.vyjayanthi@nitgoa.ac.in](mailto:c.vyjayanthi@nitgoa.ac.in), with subject line “**Application for Project Associate in the Department of EEE for MNRE Project**”.
5. The Shortlisted Candidates will be informed by e-mail (apart from website) along with the date and time of the written test/interview. No other letter will be sent to the correspondence address. So, the candidates are advised to check their email regularly.
6. Shortlisted candidates have to present themselves for the interview on the interview date with updated CV, application form, original and attested photocopies of mark sheets/certificates in support of their academic qualifications.
7. No TA/DA shall be paid to candidates for attending the Interview and/or joining the position.
8. The appointment is for time bound project and the candidate is required to work dedicatedly for the successful completion of the project. Selected candidate has to join immediately.
9. Incomplete application forms and forms received after due date will be summarily rejected.
10. All the Terms and Conditions for this recruitment will be as per guidelines of Ministry of New and Renewable Energy, Government of India.

Dr. C. Vyjayanthi  
Email: [c.vyjayanthi@nitgoa.ac.in](mailto:c.vyjayanthi@nitgoa.ac.in)



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## Application for the Position of Project Associate under MNRE

1. Post Applied for : Project Associate1/ Project Associate2  
(tick for the position applied)

2. Name of the Candidate (BLOCK LETTER): \_\_\_\_\_

3. Father's Name (BLOCK LETTER): \_\_\_\_\_

4. Mother's Name (BLOCK LETTER): \_\_\_\_\_

5. (a) Date of Birth: (DD/MM/YYYY) \_\_\_\_\_

(b) Sex (Male/Female/Other): \_\_\_\_\_

(c) Marital Status (Married/Single): \_\_\_\_\_

(d) Category (SC/ST/OBC/PWD/GEN): \_\_\_\_\_

6. Previous Research experience: (use additional sheet if required) \_\_\_\_\_

7. Publication(s), if any: (use additional sheet if required) \_\_\_\_\_

8. GATE/ NET (if any): Qualified (Yes/No): Score: \_\_\_\_\_ Rank: \_\_\_\_\_  
Specialization: \_\_\_\_\_ Year: \_\_\_\_\_

9. Academic Qualification: (Starting from Standard 10 or equivalent Examination)

Name of Exam Passed	Name of the School/College/Institute/ University	Year of Passing	Discipline/ Specialization	Percentage of Marks/ CGPA

Paste here a recent Passport size Photograph



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10. (a) Address for Communication: (BLOCK LETTER)

(b) Contact No. (Mobile)

(c) E-mail ID :

11. Contact Details of two referees:

	Referee I	Referee II
Name :		
Designation :		
Organization:		
Office Address :		
Office Phone Number:		
Email ID:		

12. Experience details:

I do here by declare that the information furnished in this application is true to the best of my knowledge and belief. If selected, I promise to abide by the rules and regulations of the Institute.

Date:

Place:

Signature

**Note:-** Additional A4 sheets may be included if provided space is insufficient.