



# NATIONAL INSTITUTE OF TECHNOLOGY PUDUCHERRY

(An Institute of national importance under MHRD, Govt. of India)

KARAIKAL-609 609

---

## SUMMER INTERNSHIP PROGRAMME - 2018

The **NIT Puducherry - Summer Internship Programme** aims to build strong ties with the academic institutions. The program strives to bring together the students and the faculty from prestigious institutions across the country in our campus. This programme also allows the interns to participate in on-going funded/sponsored projects, undergo mentorship by NIT Puducherry faculty and develop close partnerships and collaborations between respective institutions. Students selected from eligible applicants, will get the opportunity to work on research mini-projects under the mentorship of NITPy faculty during the coming summer vacation (**28<sup>th</sup> May, 2018 – 12<sup>th</sup> July 2018**).

### Eligibility

Students who are presently completing the third year (or sixth semester) B.Tech./ B.E., and students completing the first year (or second semester) of M.Tech./ M.E./ M.Sc./ MCA are eligible to apply.

### Selection Criteria

Selection of interns will be made by respective departments based on academic performance in university examinations, paper presentations at conferences/workshops, projects executed, design contests participated, and other awards/ distinctions obtained.

### Facilities

Interns will be provided access to Central Library, Internet Access (WiFi), and Computing Center during the Internship Period. Limited accommodation facility available in NITPY hostels.

### Procedure to Apply

Students interested are required to send a *Research/Project proposal* in the areas of interest along with the *scanned copy of the signed application form (Annexure II)* and necessary *enclosures* by e-mail to the concerned department HoD's (HoD email details are provided as Annexure I). Research/project proposal (maximum one page) should contain a detailed description of the research problem that the student wishes to work on, along with a brief introduction to the problem, the proposed work plan, and the expected outcome of the project work.

### Allotment of Faculty Mentor

A *faculty-mentor* will be allotted to each student selected from the relevant department. After finalizing the area of study in consultation with the *faculty mentor* each student is required to submit an **initial report** (of 1-2 pages) containing introduction to the project topic, the work-plan for the research work and the expected outcome of the project to the concerned HoD.

Contd. ... (2)

### **Completion of Internship Programme**

On completion of the internship program (30 days mandatory), each student is required to submit a *detailed technical report* (of 10-20 pages), containing description of the research problem, literature survey, details of the methodology adopted, details of the experiments carried out, list of items procured for the project and the findings/conclusions of the study. The intern is also required to present his work through a seminar/presentation in the department, which will form the basis for assessment of the project work. On successful completion of the project, the intern will be awarded a commendation certificate by NIT Puducherry.

### **Internship offering Departments and areas of interest:**

#### 1. Engineering Departments

- Computer Science and Engineering
  - QoS in Wireless networks and a Mean Stack development project
  - Real time data analysis, Deep learning / Machine Learning
- Electronics & Communication Engineering
  - Design and Analysis of Transmission Lines and Waveguides, Design and Analysis of few Microwave Components
  - Signal/Image Processing and Information Theory (Study of electrochemical properties of material by using image and signal processing approach)
- Civil Engineering
  - Structural Engineering
- Mechanical Engineering
  - Solar Energy, Heat Transfer

#### 2. Science Department

- Physics
  - Materials for energy devices

<b>Last date of receipt of applications (through e-mail)</b>	10 <sup>th</sup> May 2018
<b>Announcement of Selected Students (through e-mail)</b>	15 <sup>th</sup> May 2018

**Sd/-**  
**Academic Coordinator**

## Email Addresses of Heads of Departments at NITPY

<b>Department</b>	<b>Name of Head of Department</b>	<b>E-mail ID</b>
Computer Science and Engineering	Dr. B. Surendiran	surendiran@nitpy.ac.in
Electronics and Communication Engineering	Dr. R. Boopathi Rani	rbrani@nitpy.ac.in
Mechanical Engineering	Dr. N. Sendhil Kumar	sendhil80@nitpy.ac.in
Civil Engineering	Dr. Madappa S.	madappa@nitpy.ac.in
Science & Humanities	Dr. G. S. Mahapatra	gs.mahapatra@nitpy.ac.in



## राष्ट्रीय प्रौद्योगिकी संस्थान पुदुच्चेरी

**NATIONAL INSTITUTE OF TECHNOLOGY PUDUCHERRY**

**KARAIKAL – 609 609**

Application Date:		
1. Name of the Applicant		Insert Passport size photo
2. Gender	Male                      Female	
3. Accommodation in institute Hostel (Paid Basis and shared by two students)	YES                      NO	
4. Department / School/Center		
5. Degree Pursuing		
6. Name & Address of the Institution/ University		
7. Email		
8. Mobile		
9. Knowledge about Subjects		
10. Address Details	<b>Address for Correspondence</b>	<b>Permanent Address</b>

11. Educational Qualification (Starting from 10th onwards and upto last degree obtained)					
Examination Passed	Board/University	Year	Subjects/ Discipline/ Specialization	Division/ Class	%Marks / CGPA / Equivalent
10 <sup>th</sup>					
10+2					
B.Tech.					
M.Tech.					

**12. List of Attachments:**

1. Transcripts/Semester wise Gradesheets
2. Resume,
3. Study Certificate (Annexure III)
4. Identity Card

**13. Health Declaration :**

Do you have any physical illness or have you been currently undergoing any medical treatment/ been treated/ been diagnosed of any illness which may affect your studies? YES/NO

Do you have any chronic (long lasting or persistent) medical condition that requires treatment or medication?

***N.B.:** Any medical expenses during the internship period will be borne by the candidate himself/herself. NIT Puducherry, Karaikal-609609 will not be responsible towards any medical expenses.*

Place: \_\_\_\_\_

Date: \_\_\_\_\_

**Signature of the Applicant**

**NOTE:**

1. No Hard copies will be accepted
2. The filled scanned soft copy has to be submitted to the concerned HoD email (Annexure I) by mentioning the subject as “Summer Internship Advertisement – 2018”.
3. The last date of receiving the application (Annexure II) and the supporting documents by email is **10<sup>th</sup> May 2018**.
4. The selected candidates will be intimated by E-mail IDs.
5. Selected candidate has to report to the institute on 28<sup>th</sup> May 2018 (09.00 am) and meet the concerned HoD.

**Study Certificate on Institute/ Department Letter Head**

**CERTIFICATE**

Mr./Ms. .... is a full time student of ..... Semester of ..... program in the Department of ..... in ..... (*Name of Institution*). The information provided by the student in the application for NITPy Summer Internship program is true to the best of my knowledge. The student will be permitted to attend the internship from ..... to ..... if selected.

I hereby strongly recommended the student for the Summer Internship Programme at NIT Puducherry.

**Name and signature of the Head of Institution/ Department**

**with date and seal**