

**NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL**  
**SRINIVASNAGAR P.O., MANGALORE - 575025**

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**SUMMER INTERNSHIP PROGRAMME - 2017**

The **NITK - Summer Internship Programme (NITK-SIP)** aims to promote awareness and interest in good quality academic research among young students of Engineering, Basic Sciences, Management and Humanities through an Internship during summer vacation. The internships will be financially supported by the National Institute of Technology Karnataka, Surathkal. Totally **50 internships** will be provided. Students selected from eligible applicants, will get the opportunity to work on research mini-projects under the mentorship of NITK faculty during the coming summer vacation (**22<sup>nd</sup> May, 2017 – 05<sup>th</sup> July 2017**).

**Eligibility:** Students who are presently completing the third year (or sixth semester) B.Tech/ BE, and students completing the first year (or second semester) of M.Tech/ ME/ M.Sc./ MBA are eligible to apply for NITK-SIP. 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. Preference will be given to students from Institutions with which NITK has an MoU for academic and research cooperation.

**Contact Period:** Students selected for NITK-SIP are required to be present in the campus and carry out the allotted project work over a contact period of minimum 30 days and a maximum of 45 days between **22<sup>nd</sup> May, 2017 to 05<sup>th</sup> July 2017**.

**Stipend:** A stipend of **Rs. 100/- per day** will be paid to each student during the **contact period** mentioned above. Allowance for food, at a rate Rs.100/- per day, will be paid separately. The Interns will be provided access to the Central Library and the Central Computer Center, at NITK. Accommodation will be provided to the students in NITK Hostels.

**Application:** Students interested in NITK-SIP, are required to send a **research proposal** along with the **application form** and necessary **enclosures** by speed-post to the Head of the Department where the student wishes to carry out the internship. An advance copy of the application must also be sent by email to the Head of the Department along with scanned copies of relevant documents. The **research proposal** must 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.

**Additional Details:** A *faculty-mentor* will be allotted to each student selected for NITK-SIP, 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.

On completion of the NITK-SIP program, each student is required to submit a **detailed technical report** (of 20-30 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 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 NITK.

***Participating Departments:***

**1. Engineering Departments:**

- Applied Mechanics
- Chemical Engg
- Civil Engg
- Computer Engg
- Electrical & Electronics Engg
- Electronics & Communication Engg
- Information Technology
- Mechanical Engg
- Metallurgical & Materials Engg
- Mining Engineering

**2. Science Departments:**

- Physics
- Chemistry
- Mathematical and Computational Sciences

**3. Department of School of Management**

**4. Centre for System Design**

**Timeline for Summer Internship Programme: *NITK-SIP 2017***

|   |                                      |
|---|--------------------------------------|
| <b>Last date of receipt of applications by Heads of Departments at NITK</b> | <b>:: 4<sup>th</sup> May, 2017</b>   |
| <b>Announcement of Selected Students by HODs at NITK</b>                    | <b>:: 11<sup>th</sup> May, 2017</b>  |
| <b>Date of commencement of NITK-SIP</b>                                     | <b>:: 22<sup>nd</sup> May, 2017</b>  |
| <b>Closing date of NITK-SIP</b>   | <b>:: 05<sup>th</sup> July, 2017</b> |

## Email Addresses and Telephone Numbers of Heads of Departments at NITK

| Department                              | Name of Head of Department | E-mail ID.   | Tel.                                |
|---|----------------------------|--|-------------------------------------|
| Applied Mechanics                       | Prof. Dwarakish G. S.      | dwaraki.gs@gmail.com   | 0824-247 3040-Hod/<br>0824-247 3309 |
| Chemical Engg.                          | Dr. Raj Mohan B            | rajmohanbala@gmail.com   | 0824-247 3042-Hod/<br>0824-247 3605 |
| Civil Engg.                             | Prof. D. Venkat Reddy      | dvr1952@gmail.com  | 0824-247 3041-Hod/<br>0824-247 3343 |
| Computer Engg.                          | Dr. P. Santhi Thilagam     | santhisocrates@gmail.com,<br>santhi@nitk.ac.in                       | 0824-247 3044-Hod/<br>0824-247 3404 |
| Electrical & Electronics Engg.          | Dr. Vinatha U              | u_vinatha@yahoo.co.in  | 0824-247 4054-Hod/<br>0824-247 3456 |
| Electronics & Communication Engg        | Prof. U. Sripati           | sripati.acharya1@gmail.com,<br>sripati_acharya@yahoo.co.in           | 0824-247 3046-Hod/<br>0824-247 4055 |
| Information Technology                  | Prof. G. Ram Mohana Reddy  | profgrmreddy@nitk.ac.in,<br>profgrmreddy@gmail.com                   | 0824-247 3047-Hod/<br>0824-247 3551 |
| Mechanical Engg.                        | Prof. Narendranath S       | bayalu@nitk.ac.in,<br>snnath88@yahoo.co.in,<br>narenbayalu@gmail.com | 0824-247 3049-Hod/<br>0824-247 3660 |
| Metallurgical & Materials Engg.         | Dr. Udaya Bhat K           | udayabhatk@gmail.com   | 0824-247 3050-Hod/<br>0824-247 3761 |
| Mining Engineering                      | Prof. M. Govinda Raj       | mandelaraj88@gmail.com,<br>mininghod@nitk.ac.in                      | 0824-247 3051-Hod/<br>0824-247 3376 |
| Physics                                 | Dr. M. N. Satyanarayan     | satya_mn@nitk.edu.in,<br>mn.satyanarayan@gmail.com                   | 0824-247 3052-Hod/<br>0824-247 3282 |
| Chemistry                               | Dr. Krishna Bhat           | denthajekb@gmail.com,<br>kishan@nitk.edu.in                          | 0824-247 3043-Hod/<br>0824-247 3202 |
| Mathematical and Computational Sciences | Prof. Santhosh George      | sgeorge@nitk.ac.in   | 0824-247 3048-Hod/<br>0824-247 3263 |
| School of Management                    | Dr. K. B. Kiran            | kunjangadabkiran2@gmail.com,<br>kbheem@nitk.ac.in                    | 0824-247 3079-Hod<br>0824-247 3226  |
| Centre for System Design                | Prof. K. V.Gangadharan     | kvganga@gmail.com<br>hodmechanical@nitk.edu.in                       | 0824-247 3915<br>0824 2473657       |



b) Master's Degree:

Branch : .....

| Semester         | I | II | III | IV |
|------------------|---|----|-----|----|
| SGPA /% of marks |   |    |     |    |

| CGPA/Aggregate % | Class/Rank |
|------------------|------------|
|                  |            |

c) Additional Qualifying Examination

(1) GATE

(2) UGC-JRF/Lectureship/CSIR/DAE (JEST)/Others

Score : .....

Date of Exam : .....

Valid upto : .....

Valid upto : .....

4. Personal Information:

(a) Parent's/Guardian's Name : .....

(g) Parent's/Guardian's Annual Income : .....

(b) Parent's/Guardian's occupation : .....

(h) State to which the applicant belongs : .....

(c) Place of Birth : .....

(i) Gender : Male /Female

(d) Mother Tongue : .....

(j) Whether SC/ST/OBC : **Yes / No**

(e) Marital Status : .....

(If yes, enclose attested copy of certificate issued)

(f) Nationality : .....

(k) Whether Physically challenged : **Yes / No**

(If yes, furnish the certificate to this effect)

## DECLARATION

I hereby declare that I have carefully read the instructions and particulars supplied to me and that the entries made in this application form are correct to the best of my knowledge and belief. If selected, I promise to abide by the rules and discipline of the Institute.

Place : .....

Date : .....

Signature of the Applicant

**Note:**

The filled up application form along with the following enclosures should be sent to the concerned Head of the Department on or before the **last date**.

The filled up application may be sent in a closed envelop mentioned on the cover as "**Application for NITK - Summer Internship Programme - 2017**"

1. *Original Study certificate from the Head of the Institution/ Head of Department*
2. *Attested Photocopies of the Marks cards issued by the University*
3. *Attested Photocopies of the Rank certificates, papers presented, design contests participated, projects executed, score /rank in Competitive examinations, any other awards/distinctions obtained etc.*
4. *Letter of reference from a faculty who has taught you in the present program of study and*
5. *Two page write-up on the intended project work at NITK*

**To,**

**The Head of the Department**

**Department of \_\_\_\_\_**

**National Institute of Technology Karnataka, Surathkal**

**Srinivasnagar, Mangalore 575025**

**KARNATAKA**

**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 NITK-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/ recommended/ do not recommended* the student for the Student Internship Program at NITK.

Name and signature of the Head of Institution/Department with date and seal

