



**Department of Mining Engineering**  
**National Institute of Technology Karnataka, Surathkal, India,**  
**Srinivasnagar, Mangalore, Karnataka - 575025**

Ref. No: MIN/ED/517/2025

Date: 09/05/2025

**Advertisement for Student Internship**

Applications are invited from the interested candidates for the position of Student Internship to work on the R&D project titled “**Determination of optimum safe distance of dump from pit and design guidelines for overall stability in open pit mines in different geo-mining conditions**” funded by Science & Engineering Research Board (SERB), Core Research Grant Scheme, Government of India, New Delhi. The duration of the Internship is 01 Month. ***Last date for receipt of the application is 18.05.2025.***

The details are given as below:

Sl.No.	Position	Essential Qualifications	Duration	Stipend per month	Number of Positions	Age Limit
1	Student Internship	Candidate studying in Prefinal or final year in <b>B.E./B.Tech Mining Engineering</b> or other allied disciplines with a minimum of 60% aggregate score (6.5/10 CGPA)	1 Month	5000/-	Two (02)	Below 25 years

**Brief Description of the R&D Project**

<b>Project Title</b>	Determination of optimum safe distance of dump from pit and design guidelines for overall stability in open pit mines in different geo-mining conditions
<b>Funding Agency</b>	Science & Engineering Research Board (SERB), Core Research Grant Scheme, GOI, New Delhi
<b>Principal Investigator (PI)</b>	Dr. Sandi Kumar Reddy, Associate Professor, Department of Mining Engineering, National Institute of Technology Karnataka (NITK), Surathkal, P.O. Srinivasnagar, Mangalore – 575 025. Karnataka, India. Mobile: 9448721700, Office Phone: 0824-2473395 (O) E-mail ID: <a href="mailto:skreddy@nitk.edu.in">skreddy@nitk.edu.in</a>
<b>Details of the Project</b>	<p>The project is aimed to the determination of the optimum safe distance of dumps from pits and design guidelines for overall stability in open pit mines in different geo-mining conditions based on analytical and numerical modelling, as well as based on field and laboratory investigations. The proposed study leads to avoiding failures/accidents, saving of considerable surface land, protecting men and property, conserving minerals, and increasing the life of the mine.</p> <p>The study may in detail include the following objectives:</p> <p>a) To study the effect of different benching configurations i.e. bench height, bench width, bench slope, overall depth of pit, overall slope angle of pit, overall height of dump, overall slope angle of dump, lithology, angle of friction &amp; cohesion of different materials, structural discontinuities, presence of weakness planes etc. on the stability of pit slopes and dump slopes.</p> <p>b) To determine the effect of distance of toe of overburden dumps from the crest of the open pit on the slope stability of pits and dumps under different geo-mining conditions</p> <p>c) To find out optimum safe distance of toe of overburden dump from the crest of the open pit on the slope stability of pit under different geo-mining conditions.</p> <p>d) Development of design guidelines and mitigation measure for optimum safe distance of dump from pit for overall stability in open pit mines in different geo-mining conditions.</p>



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**Application Process:**

Interested candidates may apply in the prescribed format along with resume, photo copies of relevant certificates, grade/mark sheets, publications etc. They need to send the below mentioned documents to the correspondence address.

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- (i) Duly filled application form in the prescribed format with a recent passport-size photograph.
- (ii) Covering mail
- (iii) Resume
- (iv) Educational certificates, mark sheets and special achievements soft copy. (class X onwards)

**Note: 1) The scanned copy of all the documents along with duly filled application form in the prescribed format must be sent as a single PDF file to the email id: [skreddy@nitk.edu.in](mailto:skreddy@nitk.edu.in) should be sent on or before 18<sup>th</sup> May 2025 (5PM Sharply closes). No hard copy submission required.**

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**Additional Information:**

1. The shortlisted candidates will be informed by email/phone; and will be called for a written test and/or interview. The test/interview is most likely to be held in the 3<sup>rd</sup> week of May 2025.
  2. The position is available immediately. The appointment will be purely temporary, co-terminus with the project duly following institute norms and project guidelines.
  3. For any further information and clarification, candidates may contact Principal Investigator (PI), **Dr. Sandi Kumar Reddy** on the email given for the correspondence.
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**APPLICATION FOR THE POST OF STUDENT INTERNSHIP**

<b><u>For Office Use:</u></b>	Paste your recent passport size photo
Serial Number: .....	
Eligible for Written exam/Interview: Yes / No	
Verified the Certificates: .....	

<b><i>Post Applied for</i></b>	<b>Student Internship</b>
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<b>1 Name of the Candidate:</b> (Block Letters)	
<b>2 Father's Name:</b>	
<b>3 Mother's Name:</b>	
<b>4 Date of Birth:</b> (DD/MM/YYYY)	
<b>5 Sex: Male/Female/other</b>	
<b>6 Category (Open/OBC/SC/ST/PWD):</b>	
<b>7 Age on 18.05.2025 (in Years):</b>	

**8. Address for Communication:**

<b>(i) Address for communication:</b>	
<b>(ii) Mobile No:</b>	
<b>(iii) Email ID:</b>	

**9) Educational Qualifications (Attach self-attested copies of all certificates)**

<b>Name of Exam Passed</b>	<b>Discipline/ Specialization</b>	<b>Board/ University</b>	<b>Name of Institute/ College</b>	<b>Marks/ CGPA</b>	<b>Year of Passing</b>
X					
XII					
B.E./B.Tech					
Other (s)					

**\*Attach self-attested copies of all certificates.**



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**10 B.Tech/ Research Project Titles**

<b>B.Tech/ Research Project Title</b>	
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**11 Other Achievements (Attach a separate sheet, if required):**

<b>S. No.</b>	<b>Details</b>

**Date:**

**Place:**

**Signature of the Candidate**

**Note:** Send the scanned soft copy of enclosures along with the application as a single PDF file to the email id: [skreddy@nitk.edu.in](mailto:skreddy@nitk.edu.in)

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