Research Internship for M. Tech Programme

(Procedure / Guidelines)

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1. **Research Internship (RI) and It's Importance**

   The ever-escalating scientific and technological competition has prompted the academic community to devise thoughtful strategies, which would enable our student force to be innovative enough and hence to gain a competitive edge. Accordingly, introducing an appropriate RI programme may be visualized as an impactful strategy towards creating a thoughtful platform towards empowering their academic and industrial careers. Thus, NIE has initiated such an impactful activity at the postgraduate level, which aims to enrich the research interest of the students. Going forward, the internship experience will also aid a holistic value addition, thereby enabling augmented career benefits.

2. **Objectives**

   Research internship offers both academic and career development opportunities by facilitating practical exposure in emerging fields aided with the cutting edge technologies.
   The said model is thoughtfully structured, with defined timelines to facilitate the following:

   - Opportunity to learn and understand the real-time technical skills required for ever-dynamic employment landscapes.
   - Exposure to current technological developments relevant to the subject in the area of interest.
   - Encourage students who are interested in research to take up research at the doctoral level.
   - Empower the successful application of inculcated technical knowledge.
   - Gain experience in writing technical reports.
   - Expose students to social responsibilities and professional ethics.
   - Promote academic, professional, and personal skill development.

3. **Benefits of Research Internship**
   The RI programme helps to gain/improve the following:

   - Practical experience in an organizational setup.
   - Opportunity to learn teaching skills.
   - Enable value addition to their profile.
   - Enhances his/her candidacy for higher studies.
   - Aids improvement of research metrics at the institution level.

4. **Guidelines for Research Internship**
   The following framework is proposed for the internship programme:

   - Appropriate research problem has to be identified in the selected domain.
   - 4 hours/week of laboratory assistance work has to be satisfied.
   - Internship is for **only one semester** during the academic year.

- On successful completion of the RI programme, marks should be awarded by the respective guide based on his/her performance during the programme.
- **Publication is mandatory** in Scopus / WoS / SCI indexed journal with good impact factor.

5. **Procedure for Research Internship**
   The general procedure for arranging internship:

   Step 1: Notification related to RI will be made available in the Institute website.
   Step 2: Students with **minimum of 8.5 CGPA** in the first year M.Tech programme are eligible to apply in the 3rd semester.
   Step 3: The department will select two students per programme based on merit and performance during the selection process. The selection is made by the committee which includes Principal, Dean (AA), HOD of the respective department, one professor from department council, and a senior Professor in the respective domain.
   Step 4: Candidates will be informed via E-mail / letter within a week, binding to which the selected interns must join the programme in the concerned department by submitting the joining report.
   Step 5: The completion report has to be submitted at the end of the 3rd semester.
   Step 6: Evaluation report of the intern should be submitted by the respective guide/faculty coordinator through the **HoD** to CoE's office for the award of grade, with a copy marked to Dean R&D.
   Step 7: After successful completion of the said RI programme, an incentive of Rs. 25,000 /- and a Research Internship completion certificate will be given from the institute.

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