DEPARTMENTAL INDUSTRY INTERACTION CELL (DIIC)

The DIIC is being proposed to facilitate an interaction between the department of Civil & Environmental Engineering, The NorthCap University and the Industry which is the need of the hour. This will have great bearing on the Engineering Curriculum, exposure of industrial atmosphere to engineering students and subsequent placement of young graduating engineers in industries across the country. With the advent of globalization and opening up of Indian economy to outside world, competition among industries has become stiff. Similarly, there is an urgent need to prepare engineering students for jobs in multinational companies and increase their employability by exposing them to latest technologies and engineering methodologies.

These objectives can only be achieved well by bridging the gap between industry and the academic institute. However, to bridge a gap between the theoretical and practical aspects of the curriculum, Corporate Interaction is extremely important. The Department Industry Interaction Cell recognizes this need and addresses it through the regular associations and meeting with Corporate and provides industry exposure to the students and enables them to pick up skills besides what is being imparted in the classrooms.

IMPORTANCE OF DEPARTMENT INDUSTRY INTERACTION CELL

The complexities at the work place brought about by the rapid technological changes, paradigm shifts in education and training and the growing demand for skills training, call for harmonized efforts to reverse the acute skills shortage in many developing countries. Industry institute interaction allows exploring endless possibilities in working in synergy and deriving a new focus to address socio-economic and technology driven challenges. One of the challenges in the present times is the rapid pace of technology.

OBJECTIVES

1. To facilitate industrial trainings and internships for students and identify student project work in Industries.
2. To encourage Industry to collaborate in Industry Study Tour Programmes (ISTP) and placement of students in Industries.
3. To facilitate interaction with R&D Organizations for conducting joint research work involving faculty/scientists and students/research scholars etc.
4. To encourage faculty exchanges - getting professionals from industry as visiting faculty or adjunct professors for short or long periods and deputation of faculty to industry to gain industrial experience and/or work on projects in industry.
5. Stir Curriculum development- associating experts from industry in curriculum planning and review. Personality development workshop for students relating with soft skills (communication skills / personality development).
6. Encourage Guest lectures by eminent personalities, academics, leading industrialists at regular intervals to update the students’ knowledge.
7. To promote technical festivals/open houses/student design competitions.
8. Institute can provide services to industry such as Library and information services to the industries for better Industry -Institute synergy.
10. Scholarships/fellowships instituted by industries at the Institute for students
11. Practical training such as implant training, industrial visits, internships and project works for our students in industries.
12. Knowledge sharing between the industries and institutions.

**ACTIVITIES TO BE UNDERTAKEN UNDER THE CELL**

- Establishment of Industry-Institute Partnership /interaction Cell.
- Organizing Workshops, conferences and symposia with joint participation of the faculty and the industries.
- Encouraging engineers from industry to visit Engineering Institution to deliver lectures.
- Participation of experts from industry in curriculum development.
- Arranging visits of staff members to various industry
- Professional consultancy by the faculty to industries.
- Industrial testing by faculty & technicians at site or in laboratory.
- Visits of faculty to industry for study and discussions or delivering lectures on subjects of mutual interest.
- Visits of industry executives and practising engineers to the Institute for seeing research work and laboratories, discussions and delivering lectures on industrial practices, trends and experiences.
- Memoranda of Understanding between the Institute and industries to bring the two sides emotionally and strategically closer.
- Human resource development programmes by the faculty for practising engineers.
- Collaborative degree programmes.
- Short-term assignment to faculty members in industries.
- Visiting faculty/professors from industries.
- Professorial Chairs sponsored by industries at the Institute.

**OUTCOMES**

- To convert internships into placements through industrial interactions.
- To convert the industrial interactions and guest lectures into internships and subsequently placements.
- To provide students with a platform to interact with the industry experts and alumni and obtain practical exposure through these interactions.
- Consultancy projects.
- Scholarships/fellowships instituted by industries at the Institute for students.
- Practical training of students in industries.
- Joint research programmes and field studies by faculty and people from industries.
- R&D Laboratories sponsored projects by industries at the Institute.

**DIIC TEAM**

1. Dr Amit Srivastava
2. Ms Purnima Bajpai
3. Ms Megha Kalra
STANDARD OPERATING PROCEDURE FOR GUEST LECTURES

PURPOSE AND SCOPE

This Standard Operating Procedure (SOP) provides guidance and procedures that will be employed to conduct Guest Lectures as per technical and quality standards of the University.

RESPONSIBILITIES

The faculty incharge will have the overall responsibility for implementing this SOP. He/she will be responsible for assigning appropriate staff to implement this SOP and for ensuring that the procedures are followed accurately. All personnel performing these procedures are required to follow appropriate safety and quality standards of the University.

PROCEDURE

1. Submission of short profile of the intended speaker clearly mentioning the topic of lecture, target audience and relevance of the lecture one week prior to the date of lecture.
2. Getting approval from the DIIC Team for conducting the lecture.
3. Remunerations for the speaker shall be granted based on the University norms. The permission for the same shall be taken by the concerned faculty well in advance from the Governing Body.
4. Any administrative requirement should be arranged in advance. (Photographs, laptop, booking of room, refreshments etc)
5. Prior email to be sent to all faculty, deviation team and the Management regarding the schedule, venue, topic etc.
6. After the completion of the guest lecture a one page write up highlighting the outcomes to be prepared by the faculty concerned and send for records to DIIC.
STANDARD OPERATING PROCEDURE FOR ORGANIZING INDUSTRIAL VISITS

PURPOSE AND SCOPE

This Standard Operating Procedure (SOP) provides guidance and procedures that will be employed to conduct Guest Lectures as per technical and quality standards of the University.

RESPONSIBILITIES

The faculty incharge will have the overall responsibility for implementing this SOP. He/she will be responsible for assigning appropriate staff to implement this SOP and for ensuring that the procedures are followed accurately. All personnel performing these procedures are required to follow appropriate safety and quality standards of the University.

PROCEDURE

1. Submission of brief site details where the visit is to be conducted and work to be visited also highlighting the students who will be going for the visit.
2. Getting approval from the DIIC Team for conducting the same.
3. The permission for the same shall be taken by the concerned faculty well in advance from the Governing Body based on University norms.
4. Any administrative requirement should be arranged in advance. (Photographs, booking of bus etc).
5. Undertaking form has to be duly filled by each student prior to the visit.
6. Prior email to be sent to all faculty, deviation team and the Management regarding the schedule, venue etc.
7. After the completion of the visit a one page write up highlighting the outcomes and the faculty industry interaction feedback form to be prepared by the faculty concerned and send for records to DIIC.