



**ZEAL
INSTITUTES**

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NARHE | PUNE | INDIA



JUNIOR COLLEGE | ITI | POLYTECHNIC | ENGINEERING | MBA | MCA | Ph.D

POLICY DOCUMENT

INDUSTRY-INSTITUTE INTERACTION CELL POLICY

ZEAL EDUCATION SOCIETY'S

ZEAL COLLEGE OF ENGINEERING & RESEARCH

Approved by AICTE, New Delhic, Recognised by Govt. of Maharashtra and Affiliated to Savitribai Phule Pune University, Pune

📍 Sr.No - 39, Narhe Dhayari Road, Narhe, Pune - 411 041(MS) India.

☎ 020-6720 6000/106 ✉ principal.zcoer@zealeducation.com 🌐 www.zcoer.in



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POLICY DOCUMENT

INDUSTRY INSTITUTE INTERACTION CELL (IIIC)

Phone: 020-67206000

Website: <https://zcoer.in>

Email: zcoer@zealeducation.com

Institute Vision:

To be a premier institute in technical education by imparting academic excellence, research, social and entrepreneurial attitude.

Institute Mission:

- M1: To achieve academic excellence through innovative teaching and learning process.
- M2: To imbibe the research culture for addressing industry and societal needs.
- M3: To inculcate social attitude through community engagement initiatives.
- M4: To provide conducive environment for building the entrepreneurial skills.



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1. Need of Industry Institute Interaction Cell (IIIC)

Better interaction between Technical institutions and industry 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 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. To solve their engineering problems, they look up now to engineering Institutions. Similarly, there is an urgent need to prepare engineering students for jobs in multinational companies, by exposing them to newer technologies and engineering methodologies. These objectives can only be achieved well by bridging the gap between industry and the academic institute.

2. Preamble

Healthy interaction between Institutions and Industry is mandatory for growth of any institution. The blooming engineers need the exposure to Industry and understand the Corporate Culture for their Placements in different Multi-National Companies. It is evident that with the advent of globalization and opening up of Indian economy to outside world, competition among the Industries has also become stiff. Industries also need good students who are well aware of industry standards and capable of achieving so. Therefore, there is an urgent need of interaction of industry and academics where academic institutes can prepare students for jobs in multinational companies and industry. For this to become reality, an Industry Institute Interaction Cell (IIIC) is established at Zeal College of Engineering & Research Narhe, Pune

An ongoing interaction between the Industry and Institute is an essential one. To strengthen the relationship between industry and our institute, the Industry-Institution Interaction Cell was established which provides an excellent platform for both the students as well as the faculty members to be aware of industry expectations from the graduates. IIIC serves as a podium to showcase the best practices, latest technologies in industry stand point and their implementation.

Also, IIIC promotes industry experts to continuously partake in curriculum design and career development programs which play a significant role in honing the skill set of the students inclined towards the expectation of the industry. Towards up scaling the academia in the Global knowledge index, ample industrial exposure is provided to the faculty members to enhance the Teaching Learning Process and enable the Institution to produce quality students in turn.



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3. Objectives of IIC

- ✓ To give industrial exposure to Faculty members and students, thus enabling them to tune their knowledge to cope with the industrial culture
- ✓ To assist the Departments in organizing workshops, conferences and symposia with joint participation of the industries
- ✓ To encourage engineers from industries to visit institution to deliver lectures
- ✓ To take participation of experts from industries, in curriculum development
- ✓ To organize industrial visits for Faculty members and students
- ✓ To encourage faculty members to use their expertise in solving the problems faced by the industries, thus creating opportunity for consultancy
- ✓ To undertake Industrial testing by Faculty and technician at site, or in laboratory
- ✓ To organize in-plant training for the students
- ✓ To identify the areas for executive development programmes in the areas of recent technological advances
- ✓ To assist the Departments in establishing rapport with industries for taking up mini projects and projects
- ✓ To coordinate/ identify industrial partners for proposing 'Centre for Excellence'.
- ✓ To strengthen Alumni relations
- ✓ To assist the Training and Placement Division
- ✓ To plan the visit of industry executives and practicing engineers to the institute for seeing research work and laboratories
- ✓ To establish memorandum of understanding between the institute and industries to bring the two sides emotionally and strategically closer
- ✓ Laboratories sponsored or supported by industries at the institute

4. Functions of Industry Institution Interaction Cell

a. Industrial Research & Consultancy

- ✓ Industrial testing (Proofing & Calibration)
- ✓ Sponsored industrial research
- ✓ Research guidance from industry



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- ✓ Creation of collaborative labs / testing centre at University
- ✓ Joint research publication
- ✓ Solutions for field problems
- ✓ Analysis & Design problems
- ✓ Joint patents
- ✓ Creation of industrial chair to support research

b. Continuing Education for Industry

- ✓ Short-Term Training Programmes
- ✓ Onsite Educational Programmes
- ✓ Part time Educational Programmes
- ✓ Collaborative Educational Programmes

c. Industry-Institute Exchange

- ✓ Visiting faculty from industry
- ✓ Training programmes / Short term assignments to the faculty members in industries
- ✓ Joint industrial projects for faculty
- ✓ Participation of industrial experts in curriculum design

5. Working of III Cell

A. Institute to Industry

- ✓ Student visit to the Industry as a part of their course
- ✓ Industrial tour of students: - This gives them good organizational experiences.
- ✓ Practical Training / Student internship: -This gives students good industrial exposures.
- ✓ Student Project in Industry: - Some students may be encouraged to undertake their final year project in industry partly or fully with a joint supervisor.
- ✓ Teacher Deputation to Industry: - Teacher should spend the two months of vacation in the Industry. Teacher must work on a specific project at industry and submit a report to institute on return and deliver a seminar talk.



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B. Industry to Institute

- ✓ Depute Persons for higher degrees to Institute
- ✓ Continuing education of their staff must be a continuing activity of any progressive industry.
- ✓ Assign Consultancy Jobs to Institute.
- ✓ Sponsor R&D Projects to Institutes.
- ✓ Industry sponsored short term course or depute industry staff in institute.
- ✓ Resource persons from industry to institute.
 - ❖ Adjunct faculty from industry.
 - ❖ Expert Lecture from Senior Industry Personnel.

C. Industry-Institute Joint Efforts

1. Jointly Conducting Training/Awareness Programme for Industry / Institute People.
2. Organizing seminars/Symposium/ Awareness Programme for Industry/Institute People.
3. Undertaking Any Social Responsibility.
4. Industry-Institute merger / adaptation of institutes / programmes by industry

6.. Benefits of Industry Institute Interaction.

A. To Institute

- ✓ Greater resource generation.
- ✓ Improved quality of faculty.
- ✓ More relevant curriculum.
- ✓ Better Placement of students.
- ✓ Better utilization of expertise and facilitated industry.

B. To Industry

- ✓ It can have access to the latest technological and management developments.
- ✓ Industry can keep their workforce updated in terms of skills and knowledge through refresher courses and other training programmes conducted by the institutes.
- ✓ It is able to get fresh and well trained technical personnel.
- ✓ Reduction in recruiting costs. Cost effective productivity.
- ✓ Better communication with higher learning centre.
- ✓ Collaborative research opportunities.



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C. To Faculty

- ✓ It gives good understanding of the industry and helps in building up of useful case studies for improving the quality of future teaching.
- ✓ It provides an ability to identify research programmes of industrial importance.

D. To Students

- ✓ Gaining real life experiences.
- ✓ Application of theoretical knowledge.
- ✓ Enhancement of oral and written skills.
- ✓ Decision making on career choice.
- ✓ Paid pre-employment (on-studies training).
- ✓ Gaining access to sophisticated instrumentation.
- ✓ Understanding the work culture of industries.