

TITLE OF THE PRACTICE - 01: Institution social responsibilities through students' partnership for societal betterment.

1. OBJECTIVES OF THE PRACTICE

- Nurture students to understand themselves in relation to their community in which they work.
- Develop among themselves a sense of social and civic responsibility.
- Impart values of compassion and empathy among students.
- Promote community engagement, collaboration, and creative social work.
- Identify the needs and problems of the community and involve them in problem-solving.

2. THE CONTEXT

MICT offers holistic education that trains students to excel in their careers and become compassionate leaders. Its social initiatives and outreach programs, instill empathy and altruism in students and shape their all-round character.

3. THE PRACTICES

MICT institute adopted a village, Perakalapadu and working towards its development through several special medical camps, reconstruction of roads, drainages and awareness programs to villagers and developing MPUP School in the village, besides offering succor to the needy during natural and man-made calamities.

The institute also organizes various programs on Health Awareness, Environmental Awareness, Voter Awareness, International Yoga Day, Joy of Giving Week, Concert for a Cause, Youth Festival, Women and Girl Child Welfare, Mega Blood Donation Camps, Plantation, Health Camps, Visit to Orphanages & Old Age homes, Swachh Bharat, and Charity Activities at different places

4. EVIDENCE OF SUCCESS

The above mentioned programs engaged numerous students and fostered their holistic development and leadership skills, benefiting their careers. Students also actively took part in charitable initiatives, such as Swachh Bharat Summer Internship, distributing sanitizers and masks, and reducing single-use plastic in villages during the Covid-19 pandemic. The institute was involved in activities like web casting general elections. In a single Mega Blood Donation camp – a whopping number of girls & boys participated and donated blood. Five Students from our institution participated in National Integration Camp at National level events.

5. PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED

5.1 Problems

- Logistics: Challenges in managing coordination and arrangements.

- Time Management: Ensuring timely execution of activities because of the hectic academic schedules.
- Lack of cooperation and coordination among villagers, residents and program beneficiaries.
- Students lack a clear grasp of societal needs and are hesitant to remain after class hours.

5.2 Resources Required

- Mobilization of volunteers as per requirement
- Mobilization of financial resources
- Infrastructure facilities
- Boarding and lodging at the place of the program (if required).
- Transport facility

TITLE OF THE PRACTICE - 02: Fostering Innovation through Industry- Institute Collaborations

1. OBJECTIVES OF THE PRACTICE

- Promote student research initiatives by creating a curriculum that aligns with industry needs and offers support through projects.
- Foster joint research projects between students, faculty and industry experts for applied research and development.
- Provide industry exposure through internships and training for employment.

2. THE CONTEXT

This is the age of startups and enterprises driven by young engineers who wish to create jobs instead of being a mere employee. And so MIC offers ample of opportunities on campus to help the budding entrepreneurs develop into full-fledged entrepreneurs through programs like ISB-TEP, VDC etc. MICT emphasizes innovation via industry- institute collaborations, aligning education with market needs and fostering practical skills. Internships, customized curriculum, entrepreneurship programs, presence of active innovation council foster innovation and equip students for employment.

3. THE PRACTICES

The institute motivates students & faculty fostering their academic, personal, and professional growth through a range of practices:

A. Institution Innovation Council

Ministry of HRD, Govt. of India established Innovation and Incubation Center(MIC) in year 2018-19 to encourage, inspire and nurture young students by supporting them to work with new ideas while they are in formative years.

B. Entrepreneurship Development Cell

EDC prepared a module on Entrepreneurship Development in consultation partnering various Govt. and private agencies. And organizes talks & guest lectures by successful entrepreneurs, a way of motivating young entrepreneurs.

C. Cultivating Research-Oriented Thinking and Curriculum Refinement

The Board of Studies (BoS), consisting of faculty members, industry experts, academic professionals, and alumni, works in collaboration with industry partners to continually refine and tailor the curriculum to align with current industry requirements and academic standards.

D. Innovation through Skill Development Center

After identification of industry-relevant skills that keep students and faculty up-to-date. Seminars, Workshops, boot-camps, and guest lectures are conducted by experts from outside.

E. Industry - Academia Exchange programs

Industry-academia partnerships and MoUs with IBM-Skill Build, ICT Academy, Cisco Networking Academy, Oracle Academy, APSSDC, CM Center for Excellence, Indian Telecom Innovation Hub – Technology Business Incubator (ITIH-TBI), BSNL, National Highways Authority of India, South Central Railway and many more provide students with vital skills, certifications, and practical exposure for diverse fields.

F. Placements & Internships:

At MIC, the department of Training & Placement has been consistently successful in maintaining high placement statistics over the years despite the various trends in the industry. Our students get placed successfully, year after year, in various MNCs and it bears witness to the ‘training culture’ we have nurtured over the years.

4. EVIDENCE OF SUCCESS

The on-going implementation of the above initiatives has a positive impact on the institute and our students.

- The revised curriculum aligned with industry demands equipping students with relevant and up-to- date knowledge and skills.
- Workshops, internships, and research projects with industry professionals provided practical experiences and insights into real-world challenges.
- The Idea Incubator Club fostered entrepreneurship and innovation among students.
- Exchange programs and MoU’s with industry partners offered global exposure and networking opportunities, enhancing students' career prospects.

With a proactive approach to industry-academia collaboration, the institution successfully bridged the skill gap and prepared students for success in the competitive job market.

5. PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED

5.1. Problems Encountered

The institute has encountered several challenges in:

- i. Difficulty in achieving seamless communication among team members.
- ii. Curriculum and skills updates:
 - Keeping up with industry changes is difficult.
 - Keeping up with ever changing technology is difficult.
- iii. Student Career uncertainty
 - Motivation issues.
 - Not so clear career expectations and unrealistic goals
- iv. Industry
 - Industry demands misunderstood.
 - Need for effective counseling and guidance.
- v. Time Constraints: Balancing regular academic commitments with additional training or exam preparation.

5.2. Resources Required

Fostering innovation through IIC requires a combination of resources, some key aspects are

- i. More Financial Support for research projects and student-led initiatives.
- ii. Additional Budget for collaborative events, seminars, and workshops.
- iii. Advanced technology laboratories and prototyping facilities.
- iv. Collaborative spaces for idea exchange clubs.
- v. Industry mentors for practical insights.