

Key Indicator - 7.2 Best Practices

Metric No.	
7.2.1 QIM	<p>Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.</p> <p>Provide web link to: Best practices in the Institutional web site Any other relevant information</p>

1: Title of the Practice: Industry Live Research Projects for MBA students

Objective of the Practice:

1. Providing Hands-on Experience of Industry Project work and Operations
2. Making students aware about functions of Industry and related domain jobs.

The Context:

The department of MBA is extensively arranging Industry – Institute Interaction and providing the Research Projects to the students. The live research projects are important to understand the research scope, the critical success factors, execution of research outcomes, implementations of project in company orientations.

The Practice:

Live projects help students to acquire experiential learning. The institute identifies the students with respect to their abilities while these students are interviewed by the company and final shortlisted students perform the live projects/ field assignments and report to the authorities as per the SOPs of company. The live projects vary the durations from 30 days to 90 days.

Evidence of Success –

Live Project Projects- Industry Projects

Sr No.	Name of the company	Location	Date of the project	Area of function
1	Spurthi Agrotech	Pune	11-Jul-22	Railway-Patent –Railway Dustbin
2	Trigati Corporations	Pune	15-Jul-22	AL Cleaning at Railway Track
3	Cleverground Technologies Pvt. Ltd.	Pune	10-Aug-22	ERP for Institutional Development
4	Counselo Educare Pvt. Ltd	Pune	29-Sep-22	Education Club
5	Spurti Express Infra Innovation LLP	Pune	12-Dec-2022	Prakash Rekha- AI Tile at Railway
6	Hamish Clothing Pvt. Ltd	Mumbai	29-Mar-23	Textiles & Apparel Function Sales and Scaleup

7	Edibytes Foods Pvt. Ltd	Mumbai	08-Apr-23	Food Sector Global Product Strategy
8	Pratibha International School	Pune	25-Apr-23	Promotional Campaign
9	Sankhya Upskiliing OPC Pvt. Ltd.	Pune	25-Jul-22	Digital Campaign
10	Hridayam Jewels	Delhi	28-Apr-23	Digital Media Marketing Strategy

2-Title of the practice-

Inter –Institute Peer Interaction /Learning

Objective of the Practice:

- 1) It promotes accountability, interdependence, and deeper understanding of concepts.
- 2) Learning with and from each other in an informal and formal setting for achieving the goals and set benchmarks.

The Context:

The MBA faculty members started interinstitutional peer learning while keeping in mind their goal for the institute of entrepreneurship. Peer learning activities including study groups, workshops, partnerships, and social cooperation aid in the development of a deeper conceptual understanding in the faculty members.

The Practice: MBA faculty members have participated in a variety of seminars on starting an incubator, the startup eco system, and design thinking. We have also signed MOUs with a number of colleges under which we assist the colleges in every stage of achieving their organizational objectives of entrepreneurship.

3. Title of the Practice: Show and Tell Policy for MCA students

1. Objectives of Practice:

To make students understand the technical subjects and topics conceptually and practically.

2. The Context

Show and Tell practice was focused on teaching of "Technical" subjects like "Programming Languages". Furthermore, this practice is now extended to certain theoretical subjects like Software Project Management and Software Testing and Quality Assurance.

Software Project Management - As a part of pedagogy, subject teacher in the class motivates students to interactively participate in case study and contribute to laying down.

- Plan for a project (detailed Schedule, phases, list of deliverables)
- Prepare risk register and mitigation plan

Based on this, every student is expected to prepare plan for their respective mini projects

Software Testing and Quality Assurance - As a part of pedagogy, subject teacher discusses a case study in the class and starts laying down.

- Test Plan
- Test cases

Based on this, every student is expected to prepare a test plan and capture test cases for their respective mini projects

3. The Practice

MCA offers practical courses where faculty members instruct students on the use of programming languages and problem-solving techniques through the execution of actual programmes. 'Trace the Output' programmes are used during coding brainstorming sessions. Case studies are given to develop their programming abilities.

Problem-solving sessions guided by technically proficient classmates or seniors aid weaker students in learning through collaborative learning.

To expose the students to advanced levels of information, programmes including seminars, workshops, and guest lectures by business professionals are also held. Some of the practices include open book tests, subject wise assignments, etc. are held as participative learning.

4. Evidence of Success

- University results are relatively good and near to university top rankers.
- Students received attractive employment, and some even had the chance to work for multinational corporations.
- Students participated and won in Hackathons like **Battle with code, project presentation competition at Suryadatta Institute, Pune**, Codethon, intra collegiate programming competitions.

5. Problems Encountered and Resources Required

- Many a times students don't have IT / Computer Science background, so to make them conversant takes much time. We conduct bridge courses for such students to fill the gap between non computer science and computer science background.
- Students should have a strong network bandwidth and highly configured laptops for installation and working of the latest technologies.
- Communication Skills / Soft skills are much needed for students as students have come from rural areas. Students are from COVID Batch, so they need more efforts.

a. Formation of Coding Club, Industry Lab, etc.

1. Coding Club was formed and all the students who were interested in developing their coding skills and learning about newer technologies (outside syllabus) came together and brainstormed / discussed numerous things with HoD.
2. As a part of Coding Club activities, training sessions on PostgreSQL, Laravel, Flutter was conducted by our alumni Student.
3. Industry lab was formed, objective was to learn hands-on on different frameworks like CakePHP, Laravel and CodeIgniter; Few students developed excellent skills on Laravel and developed

Webservices for Mobile Application. This year MCA III Year students have utilized the industry lab to complete their MCA III Year Research Project where they worked for at least 9 months.

4. All MCA students were made compulsory to join Swayam Courses and appear for proctored exam conducted by NPTEL to get the Certificate,

i. Software Conceptual Design

ii. Python for Data Science

iii. Soft Skills

iv. Java Programming

v. Database Management System

Since this year we have introduced new innovative practice that MCA Alumni students will assist MCA first year students in Mini Project Work, they will guide, to think on project topics, help to solve any technical errors, checking students Mini Project Documentation. In this complete process, Alumni students will take Faculty Members' Assistance. The final decision is taken by faculty members only. We found this practice quite interesting because Alumni students are working in IT Industries and they have real onsite job/ work experience which directly relates to understanding purpose, and our junior students also get motivated.

Introduced Project/ Mini Project Diary

In academic year 2022-2023, MCA department introduced a hard copy "Project Diary". Every student of the relevant semester was expected to maintain this hard Project Diary [Mini / Major]. Physical diaries were distributed for each student at the start of semester; As a part of diary, student is expected to commit on critical milestone dates, minutes of every meeting between project guide and student will be captured with both student and guide signing it off.

Advantage

- 1) This improved the interaction levels, it got more formalized and was reviewed by HoD.
- 2) Sense of ownership got reflected at both levels [Guide and student]
- 3) Due to increased interactions, there was noticeable improvement in quality of projects and its deliverables.

SAFE

This year PIBM introduced new best practice called "SAFE" Students Assistance for Environment. In this, interested students will take care of one plant by watering it at regular intervals, etc. Under SAFE, students have stuck posters mentioning the environment friendly messages for saving water and cleanliness.