

## **7.2 - Best Practices**

### **7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.**

**Best Practice 1:** Student Internship Program in association with Internshala – an initiative of AICTE

**Title of the Practice:** Student Internship Program in association with Internshala – an initiative of AICTE

**1. Objectives of the Practice:** The objectives of this activity can be listed as;

- To enhance the employability
- To develop the technical skills
- To Promote work-integrated learning
- To strengthen industry-academia collaboration
- To Encourage entrepreneurship and innovation
- To Provide recognition and certification
- To Bridge the gap between theoretical knowledge and practical applications
- To Support students in building professional networks and gaining industry exposure

**2. The Context:** The Internshala Internship Program, an initiative by the All India Council for Technical Education (AICTE), is designed to empower students with practical exposure and industry-relevant skills. This program aligns with AICTE's vision of bridging the gap between academic learning and industrial requirements, fostering employability among students. It offers a wide range of internships across sectors like IT, marketing, design, engineering, and more, available in both online and offline formats. Through real-world projects and hands-on experiences, students develop technical, managerial, and soft skills. The program promotes inclusivity by providing opportunities to students from diverse socioeconomic and regional backgrounds, including those from rural areas. Additionally, it emphasizes entrepreneurship and innovation by encouraging internships in startups and small enterprises. Most internships under this initiative are stipend-based, and students receive certifications upon successful completion, enhancing their career prospects. By integrating academics with practical learning, the Internshala-AICTE partnership aims to create a skilled and globally competitive workforce.

**3. The Practice:** The Internshala initiative by AICTE is a strategic effort to enhance students' employability and industry readiness through quality internships. This practice aims to bridge the gap between academic knowledge and practical skills by providing diverse opportunities in areas like technology, management, design, and more. Students can access both online and offline internships, ensuring flexibility and inclusivity for learners across urban and rural areas. The initiative emphasizes real-world learning, allowing students to work on industry-relevant projects, develop essential technical and soft skills, and gain valuable experience. Additionally, the program promotes entrepreneurship and innovation by connecting students with startups and small businesses. By offering stipend-based internships and recognized certifications, the initiative supports students in building strong resumes and career pathways, aligning with AICTE's mission to create a skilled and competitive workforce.

**3. Evidence of Success:** As per the directions given on Intrenshala portal the institute has created the awareness among the all branches of Engineering and asks the students to enroll on the portal for different internship opportunities. Eligible students are selected through these opportunities & few of them got a stipend as per industry standard. Details are as below:

No of Students Selected for Internship in AY 2023-24	No of Students selected with stipend in AY 2023-24
75	39

#### **4. Problems Encountered and Resources Required:**

The Internshala initiative by AICTE, while beneficial, encounters certain problems that need to be addressed for effective implementation. A significant issue is the lack of awareness among students, about the availability and importance of internships. Limited access to technology and reliable internet connectivity Another problem is ensuring the quality and relevance of internships to match industry standards.

The Internshala initiative by AICTE requires several key resources to ensure its effective implementation and success. First, digital infrastructure, including reliable internet connectivity and access to devices, is essential, particularly for students. Additionally, a dedicated team or platform to manage the program, monitor progress, and ensure the quality and relevance of internships is necessary. Technical support and guidance for students, including mentorship programs, can further enhance the learning experience. By providing these resources, the initiative can effectively bridge the gap between academics and industry and prepare students for a competitive workforce

## **Best Practice 2: AMCAT (Aspiring Minds Computer Adaptive Test) Employability Test for Engineering students**

### **1. Title of the Practice:** AMCAT Employability Test

### **2. Objectives of the Practice:** The objectives of this activity listed as

- To assess and evaluate candidates' skills and knowledge across various domains.
- To help job seekers understand their strengths and areas for improvement.
- To provide a standardized platform for employers to assess potential candidates.
- To offer personalized career recommendations based on test results.
- To bridge the gap between educational qualifications and industry requirements.
- To enable companies to streamline their recruitment process by identifying the most suitable candidates.
- To enhance employability by guiding students and professionals towards skills development.
- To facilitate career opportunities by matching candidates with employers based on skillset alignment.
- To promote industry-relevant skill testing, focusing on real-world applications and critical thinking.
- To enable organizations to assess both technical and soft skills for holistic recruitment decisions.

### **3. The Context:**

The **AMCAT (Aspiring Minds Computer Adaptive Test)** is a comprehensive employability assessment designed to measure a candidate's skills and potential in various areas. It aims to bridge the gap between academic learning and industry requirements by providing insights into a candidate's readiness for the job market. The test evaluates a range of competencies, including English language proficiency, logical reasoning, quantitative ability, and domain-specific knowledge. It is widely used by companies to assess candidates' skills during the recruitment process.

AMCAT helps employers identify qualified candidates based on objective data, ensuring a more efficient hiring process. For students and job seekers, it provides an opportunity to showcase their abilities, even if their academic performance does not fully reflect their

potential. The test also offers personalized feedback, helping individuals identify their strengths and areas for improvement.

This initiative is part of the broader movement to improve employability by aligning academic skills with industry needs, thus helping bridge the skills gap in the workforce. The AMCAT test is increasingly becoming an essential tool for both employers and job seekers in India and other regions.

#### **4. The Practice**

The AMCAT (Aspiring Minds Computer Adaptive Test) is a popular employability assessment tool used by students and job seekers to evaluate their skills and improve their career prospects. It is designed to assess a candidate's abilities in various domains, such as aptitude, reasoning, English proficiency, and domain-specific knowledge.

The test adapts to the individual's ability level, providing a personalized and accurate assessment. The results of the AMCAT are used by employers to filter candidates for job openings, making it an essential tool for both students looking for employment and companies seeking qualified talent.

By providing a comprehensive report of a candidate's strengths and weaknesses, AMCAT helps individuals identify areas for improvement and develop relevant skills. It is also a valuable resource for employers as it streamlines the hiring process by offering a data-driven approach to recruitment. The practice of taking the AMCAT regularly ensures that candidates stay updated on their skill development and enhance their employability prospects in a competitive job market.

#### **5. Evidence of Success**

The institute having total 10 branches under Engineering Program like Computer Engineering, IT Engineering, E&TC Engineering, Electrical Engineering, Mechanical Engineering, Civil Engineering, Robotics & Automation Engineering, AI&DS Engineering, AI&ML Engineering, Electronics & Computer Engineering. We are conducting AMCAT Employability Test for all Engineering Students twice in a year & immediately after conduction of the tests results are shared with students through an email. Below I have mentioned the details of the test conducted in AY 2023-24

AMCAT TEST					
Sr.No	Class	Branch	Year	No of students	Total Number of students
1	Engineering	FE	Engineering Science	668	668
2	Engineering-  Second Year/ Third Year / BE- Final Year	AIDS	Second Year	56	151
			Third Year	61	
			Final Year	34	
		Civil	Second Year	22	75
			Third Year	32	
			Final Year	21	
		Computer	Second Year	193	512
			Third Year	189	
			Final Year	130	
		Electrical	Second Year	93	216
			Third Year	70	
			Final Year	53	
		E&TC	Second Year	87	147
			Third Year	40	
			Final Year	20	
		IT	Second Year	128	331
			Third Year	115	
			Final Year	88	
		Mechanical	Second Year	52	115
			Third Year	29	
			Final Year	34	
		Robotics	Second Year	50	149
			Third Year	42	
			Final Year	57	
3	FY. BTech Engineering	AI&DS	Engineering Science	62	187
				61	
				64	
		AI&ML		66	171
				52	
				53	
		Civil		46	46

AMCAT TEST					
Sr.No	Class	Branch	Year	No of students	Total Number of students
		Computer		64	168
				50	
				54	
		E&CE		64	185
				61	
				60	
		E&TC		63	127
				64	
		Electrical		59	117
				58	
		IT		67	180
				51	
				62	
		Mechanical		62	123
				61	
		R&A		65	189
				66	
				58	
4	SE, TE & BE Engineering	CIVIL	BE-A	31	104
			TE-A	25	
			SE-A	48	
		Electrical	SE-A	64	208
			TE-A	40	
			TE-B	48	
			BE-A	31	
			BE-B	25	
		E&TC	SE-A	42	218
			SE-B	58	
			TE-A	43	
			TE-B	42	
			BE-A	33	
		AIML	SE-A	72	72
		AIDS	SE-A	57	155
			TE-A	45	
			BE-A	53	
		COMPUTER	SE-A	70	520
			SE-B	70	
			SE-C	68	
			TE-A	66	

AMCAT TEST					
Sr.No	Class	Branch	Year	No of students	Total Number of students
			TE-B	S9	
			TE-C	67	
			BE-A	61	
			BE-B	60	
			BE-C	58	
		IT	SE-A	72	377
			SE-B	69	
			TE-A	61	
			TE-B	64	
			BE-A	59	
			BE-B	52	
		MECH	SE-A	70	193
			SE-B	49	
			TE-A	51	
			BE-A	23	
		E&C	SE-A	64	64
		ROBOTICS &AUTOMATION	SE-A	69	160
			TE-A	51	
			BE-A	40	
Total Number of Students					5928

## 6. Problems Encountered and Resources Required

- **Limited Awareness:**

Many students and job seekers may not be aware of the AMCAT test and its benefits, leading to underutilization of the platform.

- **Accessibility Issues:**

Students in remote or underserved areas may face challenges such as lack of access to reliable internet or appropriate devices to take the test.

- **Test Anxiety and Readiness:**

Some candidates may experience test anxiety or feel unprepared for the standardized nature of the test, affecting their performance.

- **Quality of Preparation Resources:**

While AMCAT provides skill assessments, the availability of quality preparatory materials can be limited, leading to unequal preparation levels among candidates.

## **Resources Required for AMCAT Employability Test**

- **Awareness Campaigns:**

To reach a broader audience, especially in rural or less informed areas, extensive marketing and educational campaigns are needed.

- **Improved Infrastructure:**

Ensuring better internet access and providing necessary devices for candidates in remote regions is essential to increasing participation.

- **Training and Preparation Materials:**

Developing comprehensive, accessible, and affordable preparation resources such as mock tests, study guides, and workshops can help candidates feel more confident.

- **Employer Partnerships:**

Building stronger relationships with companies and expanding the network of employers participating in the AMCAT program would increase the range of opportunities available for candidates.

- **Technical Support:**

Continuous technical support to ensure smooth test-taking experiences, especially in cases of glitches or issues faced by candidates during the online test.