



Shri Sai Shikshan Sanstha's

# NAGPUR INSTITUTE OF TECHNOLOGY



## CRITERION 7

### INSTITUTIONAL VALUES AND BEST PRACTICES

#### 7.2

Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

To reduce the enormous use of paper and printing the entire data, signature and a seal by the Competent Authority for all the papers, we have used the Class-3 Digital Signature where a registration authority i.e. Dr. Amol Deshmukh, Principal of our institute authenticate the documents and responses claimed in this pdf file.



# NAGPUR INSTITUTE OF TECHNOLOGY

(Affiliated to RTM Nagpur University & Approved by AICTE New Delhi)

CAMPUS: 13/2, Mahurzari, Near Fetri, Katol Road, Nagpur-441501, India

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RTMNU College Code: 315

DTE Code: 4144

AICTE ID : 1-4830701

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

## BEST PRACTICE – I


- 1) **Title of the Practice:** Fostering pace for self-learning among faculty & Students.
- 2) **Objective of the Practice:**
  - Allow students to learn at their own pace and in their preferred learning style.
  - Both Faculty and Student need to Develop self-directed learning skills, such as time management, goal setting, and self-assessment.
  - Overall improvement in educational outcomes and personal development.
- 3) **Context:** In an era marked by technological and artificial intelligence advancements, there is a noticeable trend toward self-Learning. Creating an effective pace for self-learning among faculty and students involves balancing several key factors: the goals of the learning process, individual capacities, available resources, and the overall context of the educational environment that aligns with individual and institutional goals.
- 4) **Practice:** Our Institute decided to adopt best practices in a way of self-pace learning for faculty & students. We have created a balanced and effective pace for self-learning that supports the growth and success of both faculty and students.

**For Students:** - This practice provide clear, well-defined learning objectives and outcomes for self-learning activities to develop student focused and goal-oriented self-learning experiences. It gives flexible learning paths to choose from a range of learning materials and methods that suit their learning styles and schedules. We are providing AICTE-NPTEL, EduSkill, Tata Strive platform for Students self-learning resources. In this platform student solve various assignment and quizzes and at the end of courses conduct an Exam for students. Through this exam students enhanced their skill & knowledge in respective subjects and also get certification for successfully passed the Exam.

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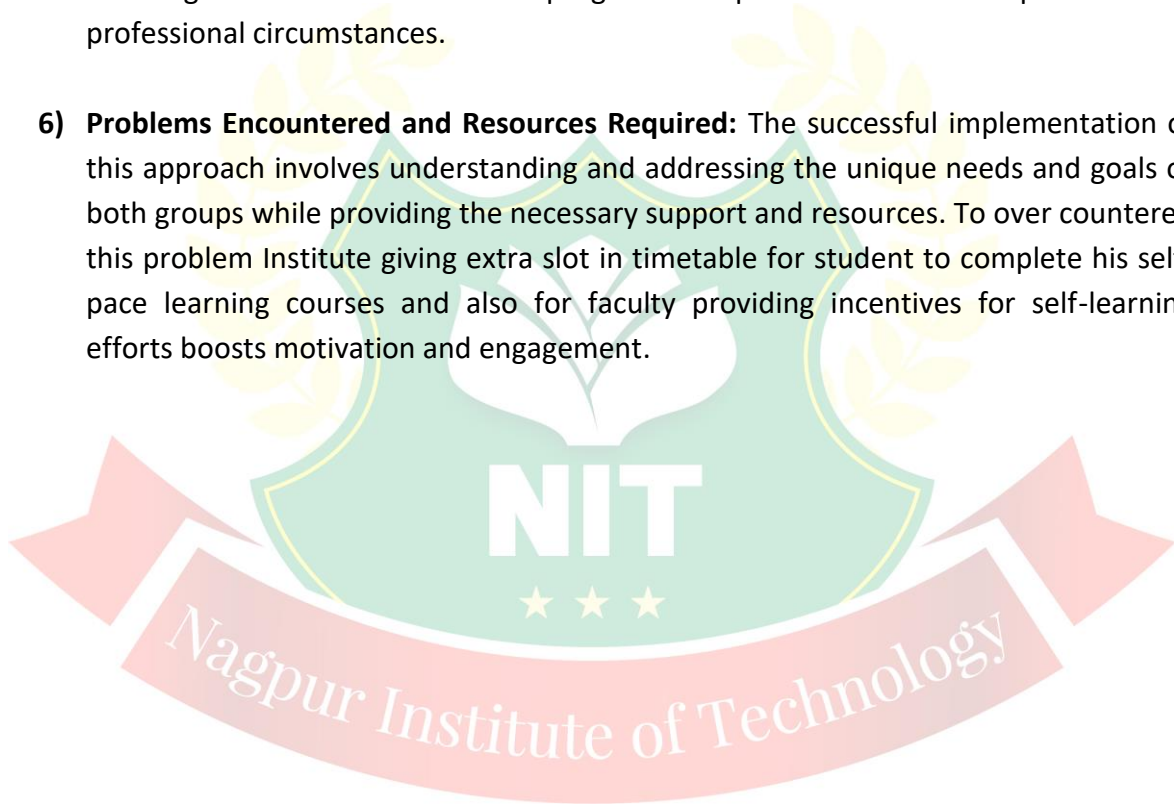
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For Faculty: -

In EduSkill, NPTEL, offered diverse of courses where they tailored learning experiences that address specific areas for their own growth.

- 5) **Evidence of Success:** By recognizing the diverse needs and learning styles of faculty and students, institutions can tailor self-learning experiences that are both engaging and effective. Flexibility in learning paths allows for a more personalized approach, ensuring that each individual can progress at a pace that suits their personal and professional circumstances.
- 6) **Problems Encountered and Resources Required:** The successful implementation of this approach involves understanding and addressing the unique needs and goals of both groups while providing the necessary support and resources. To over countered this problem Institute giving extra slot in timetable for student to complete his self-pace learning courses and also for faculty providing incentives for self-learning efforts boosts motivation and engagement.



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## BEST PRACTICE – II

- 1) **Title of the Practice:** Innovation & Skill Based Technical Education Practices
- 2) **Objective of the Practice:**
  - To build entrepreneurship and innovative vision and instinct in students.
  - To encourage students to present research papers, file patents, and participate in project competitions and hackathons.
  - To develop soft skills and value-based education.
- 3) **Context:** The ecosystem at our institute is designed to foster both institutional initiatives and student involvement in diverse entrepreneurship and innovation activities. As the engineering and technological fields become increasingly competitive, the institute recognized the need to promote and establish an Entrepreneurship Development Cell (ED Cell) and Institutional Innovation Cell (IIC).
- 4) **Practice:** To address these challenges, additional activities pertaining to innovative based practices have been conducted apart for the curriculum which are aligned with industry requirements. Along with domain knowledge and innovation, the holistic development of students is emphasized through life skills such as communication, leadership, team-building, and stress management. These efforts help to develop a sense of belonging and responsibility, coupled with technical and managerial skills. The cells play a pivotal role in channeling the passion, enthusiasm, and interest of students in entrepreneurship and innovation, extending beyond academics. This culture opens multiple avenues for student development and enhances employability.

**Institutional Innovation Cell (IIC):** The IIC aims to foster a culture of innovation and startups. It involves a significant number of faculty, students, and staff in various Innovation and Entrepreneurship (I&E) activities, such as ideation, problemsolving, proof of concept development, design thinking, intellectual property rights (IPR), project handling, and management at the pre-

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incubation/incubation stage. The institute provides financial and other support for students through diverse activities conducted by the IIC.

IIC conducts activities like inter/intra-institutional idea competitions, challenges, hackathons, and rewards the best ideas. Events like motivational sessions with successful entrepreneurs and startup founders inspire students. Collaborations with organizations like the Rajiv Gandhi National Institute of Intellectual Property Management (RGNIPM) and the Ministry of Micro, Small & Medium Enterprises (MSME) ensure students understand the importance of IPR for their academic projects and future work.

**Entrepreneurship Development Cell (ED Cell):** The ED Cell creates awareness about entrepreneurship through activities and programs like project competitions, hackathons, and project paper exhibitions. The institute encourages and supports budding entrepreneurs by providing necessary guidance and resources. Activities like Socio-Ideathon 1.0, in collaboration with the District Skill Development Entrepreneurship Guidance Center Nagpur, and the National Project Competition-Gen Z Idea Genesis, organized by the ED Cell and IIC, have seen enthusiastic participation from students across various domains. These initiatives enhance students' entrepreneurship skills, soft skills, and leadership abilities.

The institute encourages students to participate in various project competitions in different colleges to enhance their skill based knowledge

5) **Evidence of Success:** We have planned and executed numerous activities to develop entrepreneurship skills in students, helping them become successful entrepreneurs. Several students have won prizes and received recognition for their innovative ideas. The institute, with the support of external partners, has conducted many activities focused on design thinking and ideation, resulting in active participation from students and faculty.

6) **Problems Encountered and Resources Required:** Institute in terms of sharing and imparting their industry knowledge to the existing students is difficult because many

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potential entrepreneurs may not be aware of the benefits or existence of an ED Cell. Also, Potential entrepreneurs may lack necessary skills in areas like business planning, marketing, finance, etc. To overcome this Institute conducts outreach programs, workshops, and marketing campaigns to raise awareness about the ED Cell's role and services Through the IIC Cell & ED Cell in Institute offer skill development workshops, training sessions, and access to online resources to develop their Entrepreneurship skills and outline their business Ideas.



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