Composition of the Internal Quality Assurance Cell

Sr.No.	Name of the Member	Committee Designation
1	**Dr. M. M. Sardeshmukh** **Director of Institution**	**Chairman**
2	Dr. M. R. Vitkar Management representative	Member
3	Dr. S. S. Solanki Sr. Administrative Officer	Member
4	Dr. S. A. Choudhari Sr. Administrative Officer	Member
5	Dr. M.A. Kumbhalkar Sr. Administrative Officer	Member
6	Mr. S.B.Pise Sr. Administrative Officer	Member
7	Mrs R. S. Yadav I/C AMC	Member
8	Mr. S. B. Hankare Teacher – Mechanical	Member
9	Dr.M.P.Hajare Teacher- E& TC	Member
10	Mrs. M. N. Jadhav Teacher- E& TC	Member
11	Mr. S. B. Bansode Teacher -Civil	Member
12	Mr. Sandip Salunkhe Teacher- Civil	Member
13	Mrs. Sarwate Deepika Teacher- MCA	Member
14	Mrs. K.P.Banne Teacher-FE	Member
15	Mr. Prasad Shirsikar Nominee Head Sevasahyog Foundation	Member
16	Mrs. Kulkarni P. S. Nominee Head Sevasahyog Foundation	Member
17	Mr. Omkar Lamjane Student Representative	Member
18	Mr. Harshal Joshi Alumini Representative	Member
19	Mr. Praveen Wagh Parent Representative	Member
20	Dr. Vishal Bharte Industry Representative	Member
21	**Dr. Sajid Shaikh** **Associate Professor – E &Tc**	**Director IQAC**

INTERNAL QUALITY ASSURANCE CELL (IQAC – MANUAL)

Contents

- **Vision Mission And Quality Policy**
- **Program Outcomes (POs)**
- **Program Specific Outcomes (PSOs)**
- **Introduction -JSPMNTC**
- **Internal Quality Assurance Cell (IQAC)**
  - **Introduction- IQAC**
  - **Functions Of Internal Quality Assurance Cell**
  - **Strategies**
  - **Composition Of The IQAC**
  - **Initiatives Of IQAC**
  - **Achievements**

Vision of Institute

"To satisfy the aspirations of youth force, who want to lead the nation towards prosperity through techno-economic development"

Mission of Institute

"To provide, nurture and maintain an environment of high academic excellence, research and entrepreneurship for all aspiring students, which will prepare them to face global challenges maintaining high ethical and moral standards"

Quality Policy

"JSPM NTC committed to provide value based quality education maintaining pace with changing technology to produce competent and skilled professionals ready to accept global challenges"

Program Outcomes (POs)

Program outcomes describe what students are expected to know and would be able to do by the time of graduation. These relate to the skills, knowledge, and behaviors that students acquire as they progress through the program.

1. **Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. **Problem Analysis**: using first principles of mathematics, natural sciences, and engineering sciences.

3. **Design/development of Solutions**: Design solutions for complex engineering problems and design system components or processes that meet t h e specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. **Conduct Investigations of Complex Problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. **Modern Tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an** understanding of the limitations.

6. **The Engineer and Society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. **Environment and Sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. **Individual and Team Work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. **Project Management and Finance**: Demonstrate knowledge and understanding of t h e engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. **Life-long Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

- Knowledge: **K**

- Problem Solving Skills: **A D I**

- Other Skills: **M T O M**

- Attitude: **E E T I**
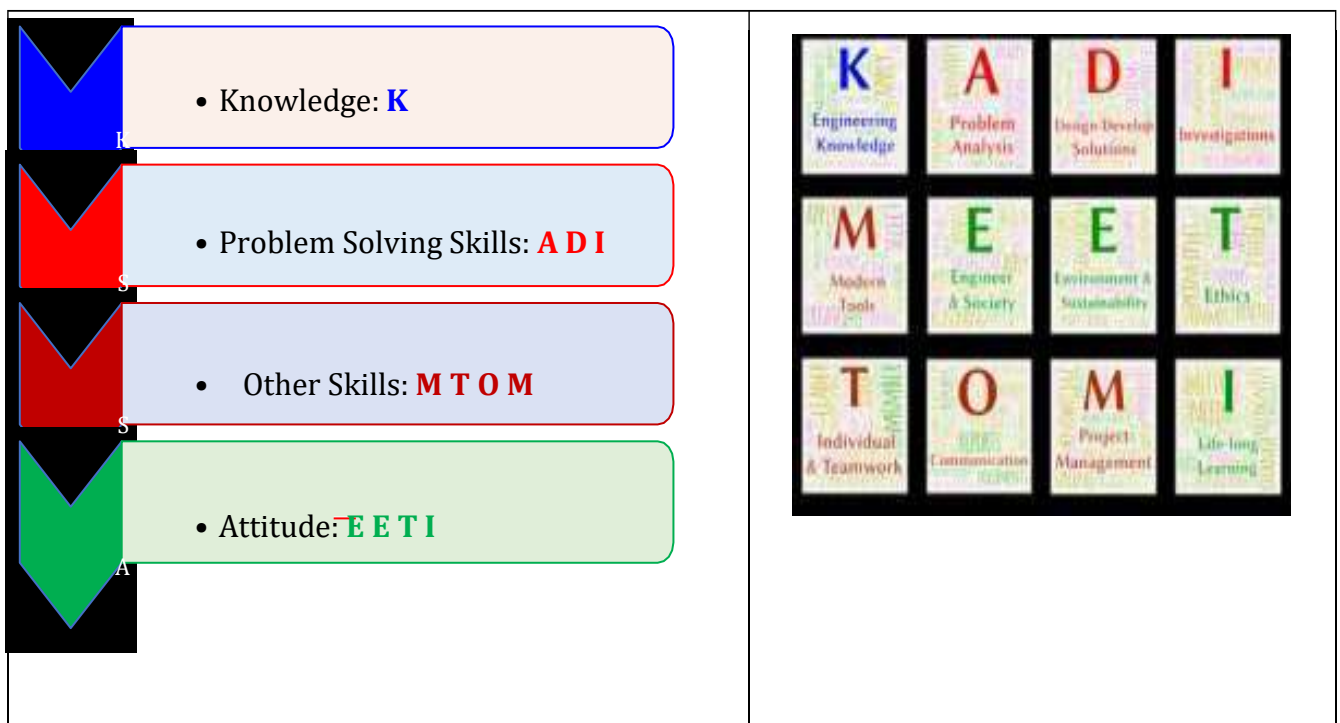
Introduction -JSPMNTC

About JSPM Narhe Technical Campus

Jayawant Shikshan Prasarak Mandal was established in 1998, under the able and dynamic leadership of Honorable Prof. Dr. T. J. Sawant. He has not only established himself as renowned entrepreneur but also is in the field of engineering education for more than a decade. Driven by a mission of providing an excellent quality education JSPM's society has left no stone unturned in setting up. The Institute is approved by the All India Council for Technical Education (AICTE), New Delhi and Govt. of Maharashtra; it is affiliated to Savitribai Phule Pune University.

JSPMNTC provides students a vibrant academic experience that adheres to stringent international quality standards, imbibes life skills among its students, and prepares them to not only take on competitive careers but also succeed in life

Features of institute

❖ JSPM NTC has state-of-the-art infrastructure with air-conditioned classrooms and seminar halls.

❖ Fully Wi-Fi-enabled campus

❖ Dedicated and Experienced Faculty members from Academic and Industrial backgrounds which facilitates excellence in teaching and learning and other professional activities.

❖ Strong Alumni Network which is working across the globe.

❖ Good placement Record.

❖ Regular Industrial Visits.

❖ Cells/Forums/Clubs Activities

❖ Balanced GFM system to handle Slow and Advanced Learners.

❖ Institutional Social Responsibility and Extension Activities.

Internal Quality Assurance Cell (IQAC)

Introduction- IQAC

In pursuance of its Action Plan for performance evaluation, assessment and accreditation, and quality up-gradation of institutions of higher education, the National Assessment and Accreditation Council (NAAC), Bangalore proposes that every accredited institution should establish an Internal Quality Assurance Cell (IQAC) as a quality sustenance measure. Since quality enhancement is a continuous process, the IQAC will become a part of the institution's system and work towards the realization of the goals of quality enhancement and sustenance.

The prime task of the IQAC is to develop a system for conscious, consistent, and catalytic improvement in the overall performance of institutions. For this, during the post-accreditation period, institutions need to channel their efforts and measures toward promoting holistic academic excellence including the peer committee recommendations. The work of the IQAC is the first step towards internalization and institutionalization of quality enhancement initiatives. Its success depends upon the sense of belongingness and participation in all the constituents of the institution. It will not be yet another hierarchical structure or a record-keeping exercise in the institution. It will be a facilitative and participative voluntary system/unit/organ of the institution. It has the potential to become a vehicle for ushering in quality enhancement by working out planned interventionist strategies by IQAC to remove deficiencies and enhance quality like the "Quality Circles" in industries.

Objective

The primary aim of IQAC is

- ❖ To develop a system for conscious, consistent, and catalytic action to improve the academic and administrative performance of the institution
- ❖ To promote measures for institutional functioning towards quality enhancement by internalizing quality culture and institutionalizing best practices.

Strategies

IQAC shall evolve mechanisms and procedures for

- ▪ Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks
- ▪ Relevant and quality academic/ research programs
- ▪ Equitable access to and affordability of academic programs for various sections of society
- ▪ Optimization and integration of modern methods of teaching and learning
- ▪ The credibility of assessment and evaluation process
- ▪ Ensuring the adequacy, maintenance and proper allocation of support structure and services
- ▪ Sharing of research findings and networking with other institutions in India and abroad.
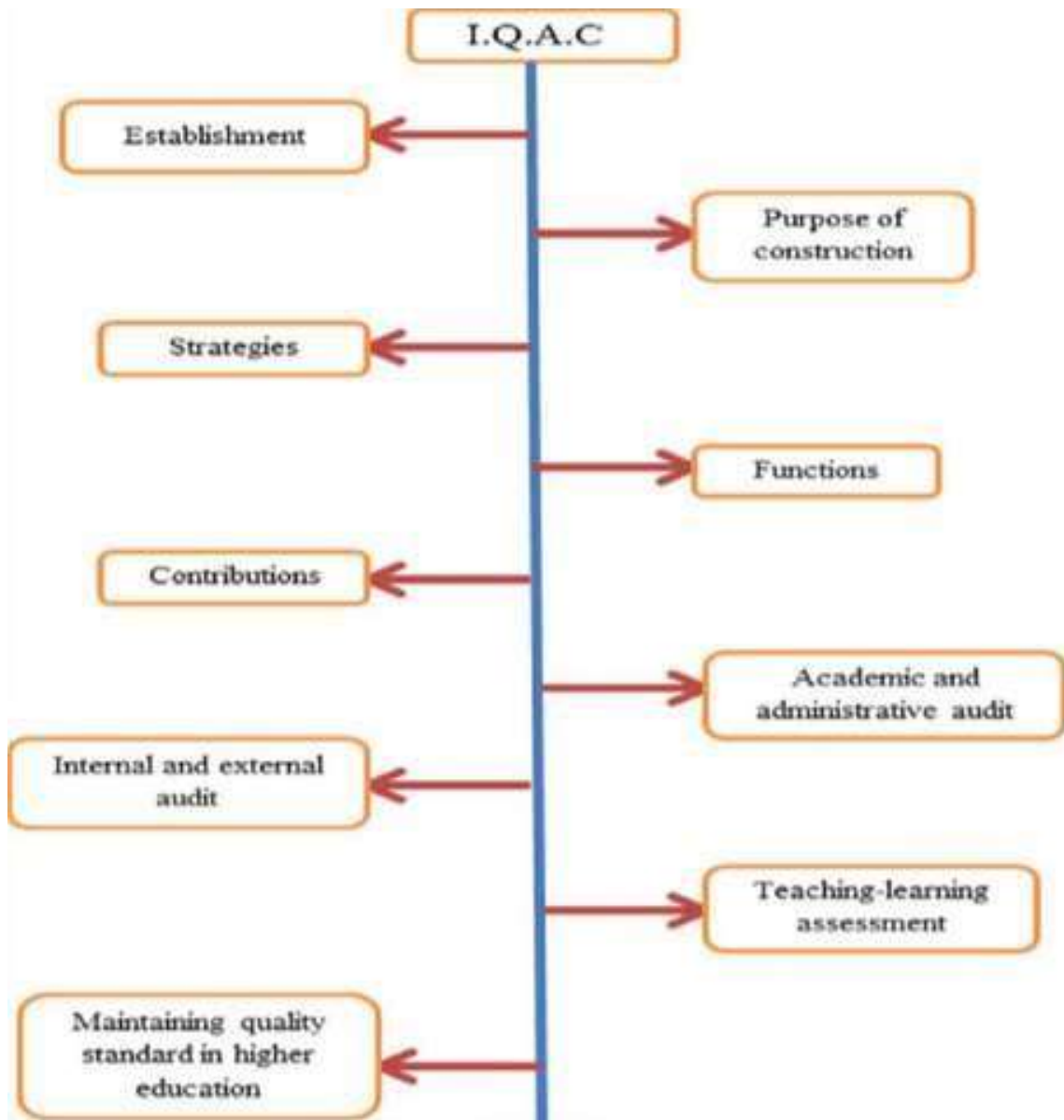
Functions

Some of the functions expected of the IQAC are:

1. Development and application of quality benchmarks

2. Parameters for various academic and administrative activities of the institution

3. Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process

4. Collection and analysis of feedback from all stakeholders on quality-related institutional processes

5. Dissemination of information on various quality parameters to all stakeholders

6. Organization of inter and intra-institutional workshops, seminars on quality-related themes, and promotion of quality circles

7. Documentation of the various programs/activities leading to quality improvement

8. Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices

9. Development and maintenance of institutional database through MIS to maintain/enhancing the institutional quality

10. Periodical conduct of Academic and Administrative Audit and its follow-up

11. Preparation and submission of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC.
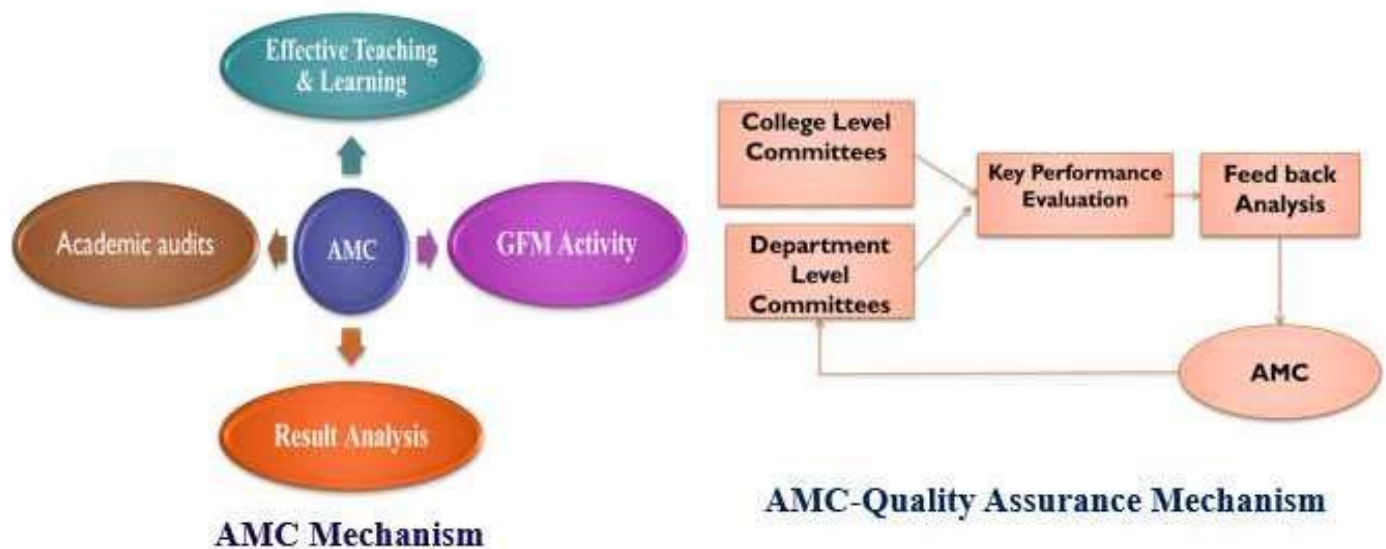
Initiatives taken by IQAC

- **IQAC- Functions**


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                    I.Q.A.C

  Establishment
                              Purpose of
                              construction

    Strategies

                              Functions

   Contributions

                              Academic and
                              administrative audit

Internal and external
       audit

                              Teaching-learning
                              assessment

Maintaining quality
standard in higher
    education
```

- **Implementation of an effective teaching-learning process**

AMC Functioning

AMC Mechanism

AMC-Quality Assurance Mechanism

AMC-Learning Outcomes Process
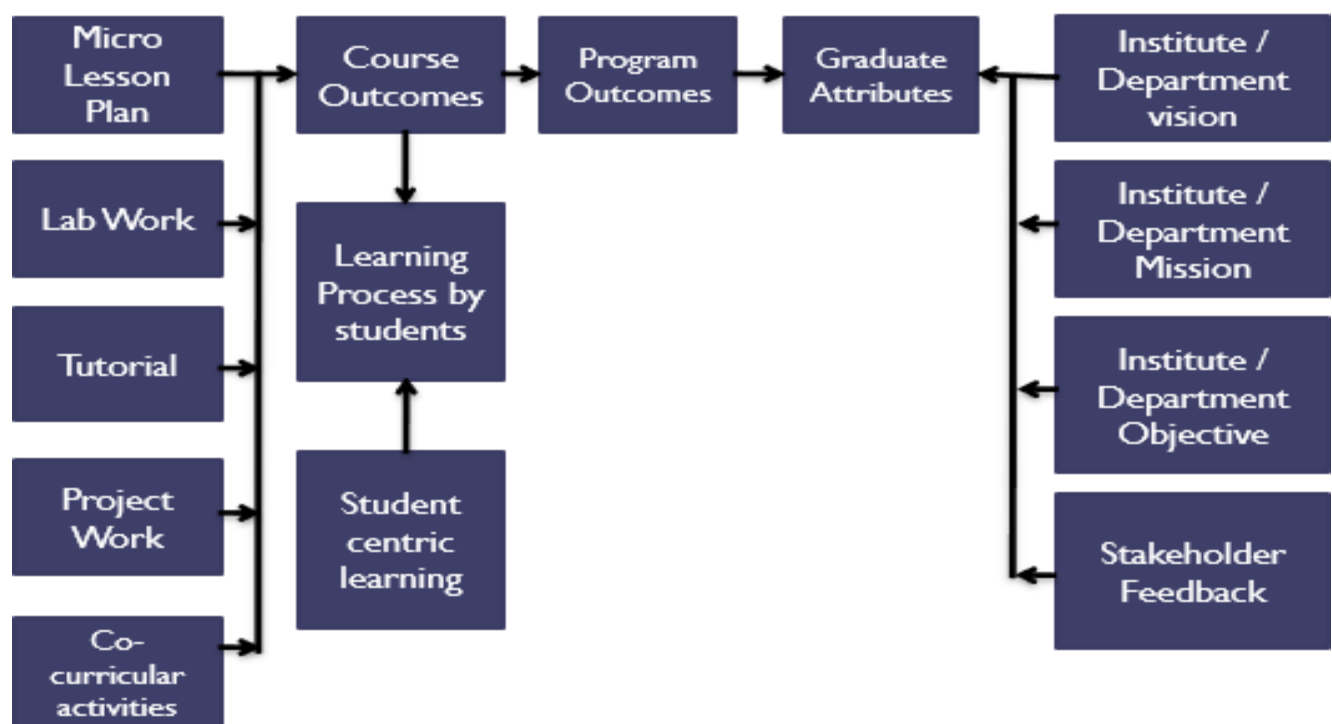
Teaching Pedagogy

Contents of Course file


- For effective implementation of teaching - learning process, various methods like
  - Classroom teaching
  - Power point presentation
  - Laboratory practical
  - NPTEL lecture
  - Seminar
  - Industrial visit and Demonstration

- Use of ICT teaching aids - Video films, multimedia, slide share.

- Expert lectures by academic and industrial personnel.

The above mentioned teaching-learning process helps students to study the curriculum effectively along with additional inputs relevant to industry for technical skill development.
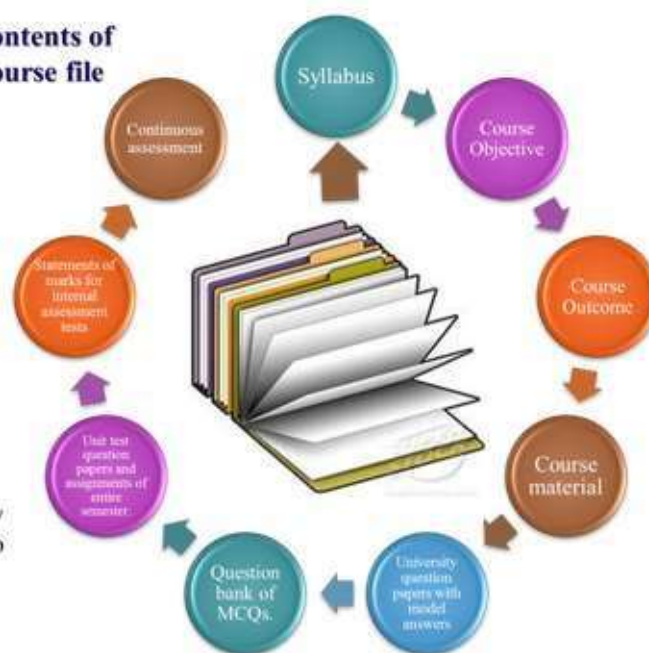
GFM Activities

Highlights of the Guardian Faculty Member Scheme

- One teacher is nominated as 'Teacher Guardian' for fifteen students.

- Guardian Faculty Member maintains all records of student in format provided.

- Guardian Faculty Member monitors academic performance of student.

- Guardian Faculty Member sends letter regarding performance and attendance to parents.

- **Meetings of IQAC**

Plan of Action	Achievements/Outcome
2018 -2019	
To enhance the Industry, Institute Interaction.	Due to the Industry, Institute Interaction the placement of the students was increased.
To increase the number of students for internship training.	The number of students for internship is increased which gave the exposure to students about the working culture of industry and real time problems
Organization of the Soft skill training programs for the students	Students got the additional required soft skill training. The number of students placed and the highest package increased.
2019- 2020	
Motivate students to take part in to different competitions	The number of students participating in competitions like Baja Suprta Go-kart Hackathon KPIT Sparkle increased. Students also won the prizes at National and International Level
Formation of module / domain committees for improvement of Teaching Learning Process and develop interdisciplinary research culture	The teaching learning process got improved. Teachers using innovative approaches in teaching. Improved the academic result
Daily monitoring the attendance of students by the AMC	The average attendance increased in turn the improvement in academic result seen
2020- 2021	
Monitoring the attendance and lecture conduction by AMC	Improved the average attendance and the academic results
Increasing the association with industry	College ranked in Platinum Category by the AICTE-CII survey

2021- 2022	
Organization of the soft skill training programs for students in association with Industry	The additional training received by the students which helped to increase the number of placement count and the package of the student
Motivate and support the faculty to improve their skill set by attending different workshop seminar and webinar	Faculties have attended more than 200 different programs on technical and skill development
Motivate the students to use the MOOC platform	The number of students taking the courses on coursera, NPTEL increased, opening a new learning platform. Total Registration 3564 and the Students who completed the course successfully is 307
2022- 2023	
Motivate the students to use the MOOC platform	The number of students taking the courses on coursera NPTEL increased which opened a new platform of learning.
Motivate and support the faculty to improve their skill set by attending different workshop seminar and webinar	Faculties have attended more than 200 different programs on technical and skill development
Organization of the soft skill training programs for students in association with Industry	The additional training received by the students which helped to increase the number of placement count and the package of the student
2023- 2024	
Organization of the soft skill training programs for students in association with Industry	The additional training received by the students which helped to increase the number of placement count and the package of the student
Increasing the association with industry	College ranked in Platinum Category by the AICTE-CII survey
Monitoring the attendance and lecture conduction by AMC	Improved the average attendance and the academic results

- **Initiatives for capacity y building and skill development**

Capacity Building Program

- Enhancement in laboratory preparation
- Online Course- NPTEL Chapter
- Faculty (Teaching & Supporting staff) Development Program
- GFM Scheme
- Enhanced MOODLE, Digital Content Development (DCD)
- Industry Sponsored projects
- Industry Expert for Project Assistance and Evaluation

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NPTEL   Initiatives ▾   Programs ▾   NPTEL STARS   NPTEL Testimonials   Help Videos   More ▾   Log in

NPTEL > Local Chapter

JSPM NARHE TECHNICAL CAMPUS
S.NO. 12/2/2 AND 14/9 NARHE, TAL HAVELI, DIST.
Url: http://www.jspmnarhe.in

- SPOC Name - DR. SAJID SHAIKH
- Designation - ASSOCIATE PROFESSOR
- Partnering since - 2017-01-25
- College Id - 931 Institute Type - ENGINEERING, TECHNOLOGY AND MANAGEMENT

NPTEL is very happy to be associated with JSPM NARHE TECHNICAL CAMPUS institute and its students. We are thankful

Course Run	Present	Gold	Elite	Silver	Successful	Participation	Topper	Rating	NPTEL Stars
Jul-Dec 2024	17	0	4	1	6	6	-	-	Details
Jan-Apr 2024	41	0	13	2	12	14	-	Active	Details
Jul-Dec 2023	19	0	6	5	4	4	2	-	Details
Jan-Apr 2023	35	2	5	4	8	16	-	Active	Details
Jul-Dec 2022	7	0	2	0	1	4	-	-	Details
Jan-Apr 2022	7	0	1	1	2	3	-	-	Details
Jul-Dec 2021	4	0	1	0	1	2	-	-	Details
Jan-Apr 2021	6	0	1	1	3	1	-	-	Details
Jan-Dec 2020	7	0	1	0	2	4	-	-	Details
Jul-Dec 2019	34	0	12	5	9	8	-	-	Details
Jan-Apr 2019	38	2	8	7	18	3	-	Active	-
Jul-Oct 2018	20	0	7	0	8	5	-	-	-
Jan-Apr 2018	8	0	4	0	3	1	-	-	-
Jul-Dec 2017	18	0	10	0	5	3	1	Active	-
Jan-June 2017	6	0	1	0	3	2	-	-	-

IQAC Best Practices 1 -
Learning through Competition

Aim: Students Practical Skill Development.

1. Team Black Spanner
2. Smart India Hackathon Club
3. Code club
4. Robo club
5. Innovation and Incubation Club

IQAC Best Practices 1 -
Learning through Competition

Evidence of Success: At AIRC: Auto India Racing Championship for the previous year 2021-22 our team managed to get the 3rd runner-up position and have taken the success higher exponentially in 2022-23. The team has bagged the following awards:

1. First Prize in Overall Championship at AIRC: Auto India Racing Championship
2. Best Cost Report/ B-plan Award
3. Best Rider Award
4. 2nd Runner-up Autocross
5. 2nd Runner-up Skid pad.

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- **Promote the Institute Industry Institute interaction**

IQAC Best Practices 2 -
Industry-Academia Partnership for the Professional Development of Students and Faculty

Innovative thinking process among students

- To Enhance Relevance of Education.
- To Promote Research and Innovation.
- To Provide Real-World Experience.
- To Promote Lifelong Learning.
- To Strengthen Knowledge Exchange.

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IQAC Best Practices 2 -
Industry-Academia Partnership for the Professional Development of Students and Faculty

MOUs

23 functional MOUs with Industries

Innovative thinking process among students

Industry Sponsored laboratories
- Electric vehicle Laboratory
- civil Engineering
- Comp Engineering
- E & TC Engineering

Electric vehicle body   Electrical circuit used in Electric Vehicle

Research Collaboration With Industries

Research funds by Industries
INR 30,30,000/-

12/23/2024   @ Dr Sajid Shaikh   13

Sl. No.	Name of the MoU / linkage	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Year of signing MoU / linkage
1	JSPMs Narhe Technical Campus Friends Union for Energising Lives (FUEL)	Friends Union for Energising Lives (FUEL)	2024
2	JSPMs Narhe Technical Campus Indian Railways	Indian Railways	2024
3	JSPMs Narhe Technical Campus DMI Draexlmaier Manufacturing India Private Limited	DMI Draexlmaier Manufacturing India Private Limited	2023
4	JSPMs Narhe Technical Campus Global Calibration	Global Calibration	2023
5	JSPMs Narhe Technical Campus Virtual Simutech Pvt Ltd and G2G Innovations LLP Pune	Virtual Simutech Pvt Ltd and G2G Innovations LLP Pune	2023
6	JSPMs Narhe Technical Campus Janhavi Filters	Janhavi Filters	2023
7	JSPMs Narhe Technical Campus craft and technik industries	craft and technik industries	2023
8	JSPMs Narhe Technical Campus Prime Industries	Prime Industries	2023
9	JSPMs Narhe Technical Campus Xtreme engineering equipment pvt. Ltd.	XTREME ENGINEERING EQUIPMENT PVT. LTD.	2023
10	JSPMs Narhe Technical Campus SV Tech Engineering Consultants Pvt Ltd	SV Tech Engineering Consultants Pvt Ltd	2023
11	JSPMs Narhe Technical Campus Cosmic Refrigeration Pvt Ltd	Cosmic Refrigeration Pvt Ltd	2023
12	JSPMs Narhe Technical Campus Ergomatic Automation India Private Limited	Ergomatic Automation India Private Limited	2023
13	JSPMs Narhe Technical Campus MSEDCL	MSEDCL	2023
14	JSPMs Narhe Technical Campus Top IT Academy	Top IT Academy	2023
15	JSPMs Narhe Technical Campus Jeetraj Construction & Services Pvt. Ltd.	Jeetraj Construction & Services Pvt. Ltd.	2023
16	JSPMs Narhe Technical Campus GemsTech Infrastructure Pvt Ltd	GemsTech Infrastructure Pvt Ltd	2022
17	JSPMs Narhe Technical Campus CAD DESK	CAD DESK	2022
18	JSPMs Narhe Technical Campus Star Health and Allide Insurance Company	Star Health and Allide Insurance Company	2022
19	JSPMs Narhe Technical Campus Radiant IT Services Pvt. Ltd.	Radiant IT Services Pvt. Ltd.	2021
20	JSPMs Narhe Technical Campus Skill Edge 4.0 Edutech Pvt. Ltd.	Skill Edge Pvt. Ltd.	2021
21	JSPMs Narhe Technical Campus Focus Academy for Career Enhancement (FACE)	Focus Academy for Career Enhancement (FACE)	2019
22	JSPMs Narhe Technical Campus Vertex IT Services Pvt. Ltd.	Vertex IT Services Pvt. Ltd.	2019
23	JSPMs Narhe Technical Campus SK Surgicals	SK Surgicals	2018

➢ Quality Improvement throw Feedback Mechanism
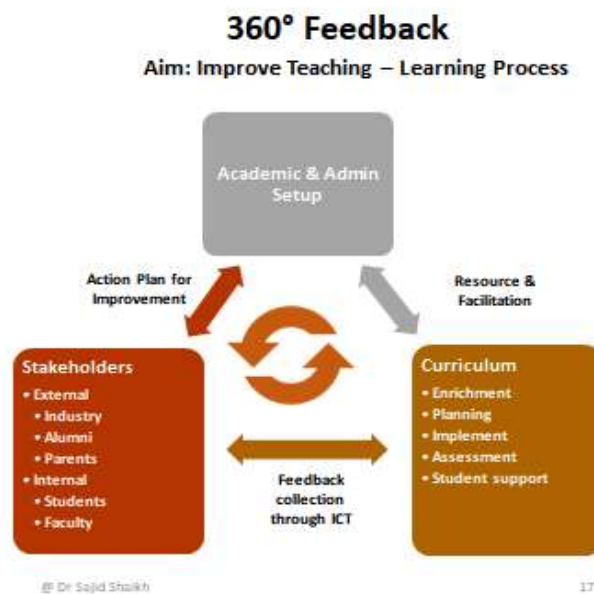
IQAC CELL CONTRIBUTION IN QUALITY ENHANCEMENT

1   **Improvement in quality of teaching and research**

2   **Effective use of ICT**

3   **Periodical Review of Academic Performance &**

4   **Organization of webinar/seminars**

5   **Regular feedback from stakeholders**

6   **Implementation of suggestions for quality enhancement**

7   **Faculty Development Programs**

Achievements

Appreciation from NTPEL to Dr. Sajid Shaikh as an Active SPOC at IIT Bombay

IC-JSPMNTC 2024 International Conference

JSPM NARHE TECHNICAL CAMPUS, NARHE, PUNE

Approved By AICTE & Affiliated To Savitribai Phule Pune University.