

## TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (PHASE - III)

### Format- Equity Action Plan

**Name of Institute: National Institute of Technology Rourkela**

Sl. No.	Activity	sub-activity/Action	Coordinator	Executing agency	Date & duration	Frequency	Indicator to measure outcome
1	Identifying weaknesses in all students and take remedial steps	- Diagnostic tests - Class tests	PIC, Examination	Faculties	2017-2021	2-3 times per semester	- Identification of weak students
		- Monitoring student's attendance in class	Dean (Academic)	Faculties	2017-2021	Contineous	- Increase in attendance and pass rate
		- Tutorial Classess - Extra Classes - Summer Courses - Guided Self-study	Dean (Academic)	Faculties	2017-2021	During summer	- Increase in Pass Rate and Transition rate - Reduction in backlog
		- Upgrading and modernization of library	HOD, Library	Library	2017-2021	Contineous	- Increase attendance in library
		- Provision of Faculty Advisor to each student	HOD	Faculties	2017-2021	Contineous	- Increase in performance of students
		- Student's feedback rehedral mechanism	Dean (Academic)	Dean's Office	2017-2021	Contineous	- Effective monitoring of student performance
2	Improving language competency, soft skills and confidence levels	- English Language Lab to 1st and 2nd Year Students	HOD, HS	Dept of HS	2017-2021	Once per semester	- Pass percentage
		- Training programs on English, Mathematics, Personality Development etc.	PIC, T&P and Dean (Academic)	External Experts and Various External Agencies	2017-2021	3-5 times during 3rd Year	- Feedback - Increased empolyability
		- Establishment of counsellor section	Dean (Student Welfare)	Councillar	2017-2021	Contineous	- Improved performance of students - Reduction in malpractices
3	Improving non-cognitive, communication and presentation skills	- Training programs on Personality Development, Mock tests, GD and interviews	PIC, T&P	External Experts and Various External Agencies	2017-2021	3-5 times during 3rd Year	- Feedback - Increased empolyability
		- Seminar and Technical Writing to 4th Year Students and all Research Students, as a part of curriculum	HOD	PIC, STW	2017-2021	Throughout Semester	- Increase in Oral / Poster Presentation Skills - Increase in Technical Writing Skill - Ability to search and draft Patents
		- Research Scholar Weak for PhD students	Dean (Academic)	Academic Section	2017-2021	Once per year	- Increase in Data Presentation Skills
		- Project-based Research Work to 4th Year Students and all Research Students, as a part of curriculum	HOD	Faculties	2017-2021	Throughout Semester	- Successful thesis and defense
4	Quality Upgradation of faculties with M.Tech degree	- All faculties with with M.Tech degrees should mandatorily enroll in PhD program	Dean (Faculty Welfare)	Dean (Academic)	2017-2021	Immediately after recruitment	- Increase in faculties with PhD as minimum qualification
5	Training of teachers in subject matter and pedagogy, particularly to improve the performance of weak students	- Training Need Analysis through Self-appraisal assessment	Dean (Faculty Welfare)	Dean's Office	2017-2021	Once per year	- Increase in the performance of faculties

		- In-house organization as well as visit to other institutions for pedagogy training	Dean (Faculty Welfare)	Dean's Office	2017-2021	Contineous	- Improvement in student's feedback
		- Attending subject-domain specific conferences, workshops and seminars	Dean (Faculty Welfare)	Establishment Section	2017-2021	Contineous	- Improvement in publications and patents - Improvement in student's feedback
		- In-house organization of workshop and FDP programs on pedagogy	TEQIP Coordinator	TEQIP Office and Dean (SR)	2017-2021	Contineous	- Improvement in publications and patents - Improvement in student's feedback
		- Student's feedback	Dean (Academic)	HOD	2017-2021	Once per semester	- Improvement in student's feedback
6	Making campuses physically and socially gender-friendly; especially provide adequate and suitable facilities to women	- Prohivision for Supranumarary seats for women, as per MHRD guidelines	Dean (Academic)	Academic Section	2017-2021	At the time of admission	- Increase in percentage of women enrollment
		- Establishment of Internal Complaine Committee	Director	ICC	2017-2021	Contineous	
		- Workshops and Sensitisation programs on Gender Equality	ICC	ICC and TEQIP	2017-2021	Once per semester	
7	Holding innovation and Knowledge Sharing Workshops yearly to improve knowledge sharing	- Establishment of Technology Innovation and Industrial Relation Center	PIC, TIIR	TIIR	2017-2021	Done	- Increase in start-ups
		- Establishment of FTBI for Start-Ups	PIC, TIIR	TIIR	2017-2021	Done	- Increase in start-ups
		- Organization of Innovation Carnival, Hackathon, Start-up hunt program, Bootcamps, Innovation competition, Innovision Festival etc.	PIC, TIIR	TIIR	2017-2021		- Increase in start-ups
8	Sharing information and knowledge about engineering courses and institutions	- Organization of social program	HOD, SAC	SAC	2017-2021	Contineous	
9	Providing appropriate infrastructure for physically challenged students	- Elevators, ramps etc. for Divyangs	Dean (PD)	Estate Office	2017-2021	Contineous	- Better infrastructure for Divyangs
10	Special efforts for training/ internship/ placement of weak students	- Training programs on Personality Development, Mock tests, GD and interviews	PIC, T&P	External Experts and Various External Agencies	2017-2021	3-5 times during 3rd Year	- Feedback - Increased empolyability
		- Training programs on English langage, Mathematics etc	Dean (Academic)	Dean's Office	2017-2021	Summer and Winter Vacation	- Increase in Pass Rate and Transition rate - Reduction in backlog - Increase in empolyability
11	Peer Learning Groups of students	- Peer-groups of students - Hand-holding	Dean (Academic)	Dean's Office	2017-2021	Contineous	- Increase in Pass Rate and Transition rate - Reduction in backlog