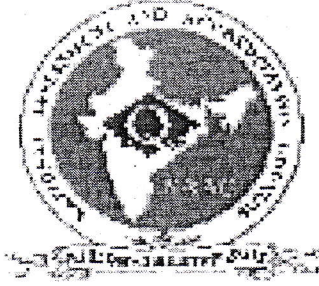# PEER TEAM REPORT

ON

INSTITUTIONAL ASSESSMENT

OF

R.C. PATEL INSTITUTE OF TECHNOLOGY

SHIRPUR (MS)

21-23 September 2017

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P. O. Box. No. 1075, Nagarbhavi, Bangalore - 560 072

PEER TEAM REPORT ON
R.C. PATEL INSTITUTE OF TECHNOLOGY
Place: Shirpur-Warwade, State: MAHARASHTRA

Section I: GENERAL	Information
1.1 Name & Address of the Institution:	R. C. Patel Institute of Technology Near Nimzari Naka, Shahada Road, Shirpur-425405 (Maharashtra)
1.2 Year of Establishment:	28th June 2001
1.3 Current Academic Activities at the Institution (Numbers):	
• Faculties/ Schools:	01
• Departments/ Centres:	05
• Programmes/ Courses offered:	05 UG + 02 Ph.D
• Permanent Faculty Members:	180 (153 Male, 27 Female)
• Permanent Support Staff:	Non-teaching (52M+7F) Technical (33M+2F)
• Students:	2441
1.4 Three major features in the institutional Context (As perceived by the Peer Team):	• Good infrastructure facilities • Young & motivated team • Caters to mainly rural & tribal students
1.5 Dates of visit of the Peer Team (A detailed visit schedule may be included as Annexure):	21-23 September 2017
1.6 Composition of the Peer Team which undertook the on- site visit:	
Chairperson	**Dr. Varinder Sahni** (Former Director, SLIET & Former Principal, State Engineering College) Professor, Mechanical Engineering, SLIET, Longowal, Sangrur, Panjab
Member Co-ordinator	**Dr. P.C. Choubey** Joint Director, Higher Education, State Quality Assurance Cell, Chhatisgarh
Member	**Dr. Savita Dixit** Professor & HOD, Department of Chemistry, Maulana Azad National Institute of Technology, Bhopal (MP)
NAAC Officer:	**Dr. Ganesh Hegde** Deputy Adviser, NAAC, Bangalore

23-9-17   23/9/17

Section II: CRITERION WISE ANALYSIS	Observations (Strengths and/or Weaknesses) on Key- aspects
2.1 Curricular Aspects:	
2.1.1 Curricular Planning and Implementation	• Curriculum designed by NMU Jalgaon, being, implemented effectively by the College. • Question banks prepared for all courses. • Some faculty are the members of B.O.S. and one is dean. • Industrial visits and tours are arranged.
2.1.2 Academic Flexibility	• Large number of invited talks by experts from academia and industry. • Related skill Oriented programs organized. • Limited academic flexibility because of affiliated status.
2.1.3 Curriculum Enrichment	• Lecture plan is prepared for each course. • Good Language lab available. • Seminars & workshops conducted regularly to teach beyond syllabus. • MOUs with industries to impart practical training.
2.1.4 Feedback system	• Formal feedback obtained from students. • Feedback on curriculum obtained from alumni, industries & employers. • Feedbacks analyzed and communicated to faculty.
2.2 Teaching – Learning & Evaluation:	
2.2.1 Student Enrolment and Profile	• Majority of the students belongs to rural and tribal area. • Transparent admission process exist as per norms of Government. • Lateral entry done in accordance with the statutory provisions of University and Government.

2.2.2 Catering to Students Diversity	• Gender equity is maintained as college admits good number of girl students in many programmes • Remedial & bridge courses are conducted for weaker students. • Advanced learners are encouraged /supported to participate in technical events. • Facility for differently abled students exists.
2.2.3 Teaching – Learning Process:	• Academic calendar, course plan, lecture notes and question bank are prepared in advance. • The learning environment is conducive for interactive, independent and collaborative learning. • Class rooms with ICT facilities exists. • Virtual classrooms arranged for QEEE.
2.2.4 Teacher Quality:	• Young and motivated, dedicated faculty. • Cordial and healthy faculty-student relation. • 31 faculty pursuing Ph.D out of 180. • Less number of Ph.D holders, cadre ratio needs to be improved.
2.2.5 Evaluation Process and Reforms:	• Grievances and Reevaluation requests are addressed. • Apart from written tests, on-line tests are conducted for most of the courses. • Transparent assessment process, credit and grade system available.
2.2.6 Student Performance and Learning Outcomes	• Students bagging gold medals and university ranks. • Placement is improving because of good learning outcome and soft skills training. • Academic monitoring is in place.
2.3 Research, Consultancy & Extension	
2.3.1 Promotion of Research:	• College has two research centres recognized by university. • Research committee consisting of senior professors exists to promote research culture. • Good number of publications made by faculty members. • Research initiative grants to be increased.

2.3.2 Resource Mobilization for research	• Budgetary provision made for research by the management. • Research facility to be enhanced by sponsored projects.
2.3.3 Research facilities	• Good number of equipment, engineering soft wares and e-resources in teaching labs available. • Faculty encouraged to attend conferences / seminars. • E-Yantra robotics lab, Wipro Technologies lab available. • Needs to increase the number of research guide.
2.3.4 Research publications and awards	• Some senior faculty members have received research awards. • Encouragement given to publish research papers and file patents. • Need to publish more papers in peer reviewed journals. • Till date four patents filed and two are awarded.
2.3.5 Consultancy	• Partnership exists to encourage consultancy. • Relevant equipments to be procured for enhance consultancy. • Problems of nearby rural area are explored for consultancy work like water conservation work.
2.3.6 Extension Activities and Institutional Social Responsibility	• MOUs with certain nearby Industries exists. • Emphasis on women empowerment activities. • Various activities organized for development of moral and ethical values. • Computer knowledge imparted to nearby rural tribal school level students.
2.3.7 Collaborations	• MOUs signed with various nearby organizations / industries. • Invited talks arranged by eminent personalities. • Collaboration with IIT Bombay, IIT Madras, and IIT Kharagpur exists.
2.4 Infrastructure and Learning Resources	
2.4.1 Physical Facilities	• Good building infrastructure facilities such as auditorium, gym, seminar halls and sports facilities. • Adequate land available for future expansion. • Institute buildings and hostels have Wi-fi facility.

2.4.2 Library as a Learning resource	• Library is well stacked with good number of text and reference books. • Ample e- resources available. • International journals needs to purchase more.
2.4.3 IT Infrastructure	• Sufficient number of Servers and computers. • Licensed softwares available. • Website of college is available and updated as & when required.
2.4.4 Maintenance of Campus facilities	• Well maintained eco-friendly green campus. • RO water plant is available. • Rain Water Harvesting and solar power backup is available for water heating. • Annual budgetary provision for maintenance.

2.5 Student Support and Progression

2.5.1 Student Mentoring and Support	• Support services by faculty as counselors and mentors available for students. • Scholarships for meritorious and poor students is provided. • Remedial classes for slow learners and Bridge courses for lateral entry are conducted.
2.5.2 Student Progression	• Career counseling & guidance is provided by faculty. • Special support provided for failed & drop outs. • Imparting soft skills training has resulted in good placement.
2.5.3 Student Participation and Activities	• Students encouraged for participation in cultural and extracurricular activities and organizing cultural festivals. • Participation in university, district, state & national level sports events. • Student participation in decisions making processes of college needs to be improved.

2.6 Governance, Leadership and Management

2.6.1 Institutional Vision and Leadership	• Vision & Mission tuned with local and global needs. • Principal plays an effective role in governance. • Management is supportive and pro-active.

2.6.2 Strategy Development and Deployment	• Well defined internal organization structure. • Feedback given by stakeholders is used for the development of institute. • Action plan for future development is to be supplemented with time frame.
2.6.3 Faculty Empowerment strategies	• Faculty is encouraged to pursue Ph.D. • Faculty is encouraged to participate in FDPs(Faculty Development Programs) • Welfare schemes for faculty in place. • In-campus housing facility need to be provided.
2.6.4 Financial Management and Resource Mobilization	• Self financing institution with social commitment towards nearby rural population. • Proper budgeting & auditory system is in place. • Measures be initiated to generate more resources.
2.6.5 Internal Quality Assurance System	• IQAC established and functional. • Formal participation of students in IQAC activities need to be increased.
2.7 Innovations and Best Practices	
2.7.1 Environment Consciousness	• College campus is eco friendly with neat, clean and green environment. • Classroom and labs are well lighted & ventilated • Small solar and sewerage plant are in place. • Internally green audit done.
2.7.2 Innovations	• Bridge courses to fill curriculum gaps. • Development of comprehensive placement training program. • Projects done by students useful to understand the subject theme.
2.7.3 Best Practices	• Fee- waiver schemes for meritorious students is in place. • Students are motivated to do innovative projects. • Continuous internal assessment exists.

R C Patel Institute of Technology, Shirpur

Section III OVER ALL ANALYSIS	
3.1 Institutional Strengths	• Adequate infrastructure facilities available. • Conducive environment for teaching and learning. • Visionary and supportive management. • Dynamic Principal with good leadership qualities. • Excellent e-learning facilities. • Good faculty retention.
3.2 Institutional Weaknesses	• Very less consultancy activity. • Lack of Patents and quality research publications. • Less number of experienced senior faculty. • Lack of CPE (college with potential for excellence) status.
3.3 Institutional Opportunities	• Scope to introduce new market friendly programmes. • Giving more thrust on entrepreneurship development programmes. • Scope for improving academic & administrative flexibility & diversity. • More sponsored research projects to be undertaken. • Collaborative research with IITs and other institutes of excellence
3.4 Institutional Challenges	• Networking with academic institutes and industry for research & consultancy. • Preparing the students to face National & Global competitive exams. • Motivating faculty and students to aspire for creating high quality teaching and learning environment. • Changing the mindset towards innovation and establishing the linkage.

Section IV: Recommendation for Quality Enhancement of the Institution

- Faculty may be encouraged to submit more R&D proposals and produce quality publications.
- Short term certificate courses for empowering local community be introduced.
- Inter-institution research may be encouraged.
- Resource mobilization through consultancy may be increased by Tie-ups with

industries.

- Research facilities are to be augmented by adding latest equipments & softwares for creating as centralize facility.
- Faculties should be motivated to participate and present papers in national & international conferences.
- Training programs for non-teaching may be conducted to enhance their skills.
- Incubation center to be established.
- More number of need based UG and PG courses to be started.
- Collaboration with reputed research organization to be established.

I agree with the Observations of the Peer Team as mentioned in this report.

23-9-17

Principal
R. C. Patel Institute of Technology
Shirpur Dist. Dhule

Signature of the Head of the Institution

Seal of the Institution
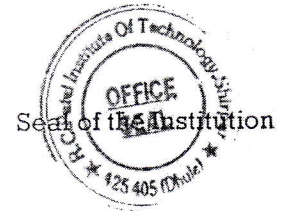
Signatures of the Peer Team Members:

Name	Designation	Signature with date
Dr. Varinder Sahni	Chairperson	23.9.2017
Dr. P.C. Choubey	Member Co-ordinator	23.9.2017
Dr. Savita Dixit	Member	23.9.2017
Dr. Ganesh Hegde	Member	

Place: Shirpur   Date: 23.9.2017