

**Peer Team Report
on
Institutional Accreditation
of**

**CHHATRAPATI SHIVAJI INSTITUTE
OF TECHNOLOGY**

(Affiliated to CSVTU University, Chattisgarh)
Durg - 491001
Chattisgarh

(Dates of visit March 12-14, 2015)

**National Assessment and Accreditation Council
(NAAC)
Bangalore-560072, India**

PEER TEAM REPORT ON
Institutional Accreditation of
Chhatrapati Shivaji Institute of Technology
 Place : Durg Pin: 491001 State: Chattisgarh

Section I: GENERAL	<i>Information</i>
1.1 Name & Address of the Institution:	Chhatrapati Shivaji Institute of Technology, Durg Chattisgarh
1.2 Year of Establishment:	1999
1.3 Current Academic Activities at the Institution (Numbers):	
• <i>Faculties/ Schools:</i>	1
• <i>Departments/ Centres:</i>	7
• <i>Programmes/ Courses offered:</i>	10 (UG: 7, PG:3)
• <i>Permanent Faculty Members:</i>	149
• <i>Permanent Support Staff:</i>	248
• <i>Students:</i>	2025
1.4 Three major features in the institutional Context (As perceived by the Peer Team):	<ul style="list-style-type: none"> • Adequate Infrastructural Facilities. • A fully Self-financed Institute offering engineering and technology education of contemporary needs. • Visionary and philanthropic management.
1.5 Dates of visit of the Peer Team (A detailed visit schedule may be included as Annexure):	March 12-14, 2015
1.6 Composition of the Peer Team which undertook the on- site visit:	
<i>Chairperson</i>	Prof. H. P. Khincha
<i>Member Co-ordinator</i>	Prof. M. N. Doja
<i>Member</i>	Prof. Sujit K. Biswas
<i>NAAC Officer</i>	Dr. Jagannath Patil

Section II: CRITERION WISE ANALYSIS	Observations (Strengths and/or Weaknesses) on Key-Aspects <i>(Please limit to three major ones for each and use telegraphic language (It is not necessary to indicate all the three bullets each time; write only the relevant ones))</i>
2.1 Curricular Aspects:	
2.1.1 Curricular Planning and Implementation:	<ul style="list-style-type: none"> • Vision, Mission and objectives clearly stated. • Institute faculty contributes to design and development of curricula through participation as member of University BoS. • Limited number of add-on courses
2.1.2 Academic Flexibility:	<ul style="list-style-type: none"> • Academic flexibility limited • The Institute follows Semester system for all programs at UG and PG level. • Choice based credit system is yet to be implemented.
2.1.3 Curriculum Enrichment:	<ul style="list-style-type: none"> • Major revision by the university once in four years • Value addition through project work, industrial visits and related special lectures. • Additional skill development programs required
2.1.4 Feedback System:	<ul style="list-style-type: none"> • Limited feedback from stakeholders • Feedback system to be structured for continuous quality improvement.
2.2 Teaching-Learning & Evaluation:	
2.2.1 Student Enrolment and Profile:	<ul style="list-style-type: none"> • Publicity through prospectus, website, and newspaper advertisements at regional and national level and education fairs. • Publicity through mentoring workshops in and around • Admissions based on merit in the entrance test following the rules of Govt. & affiliating university. • Profile of students joining institution need improvement
2.2.2 Catering to Student Diversity:	<ul style="list-style-type: none"> • Slow and advance learners identified through objective mechanism. • Tutorials arranged for slow learners. • Limited facility for differently abled students in place.
2.2.3 Teaching-Learning Process:	<ul style="list-style-type: none"> • Academic calendar prepared and implemented, keeping university requirements in place • Advanced planning of teaching schedules and maintenance of work diaries practiced. • Lecture method predominantly used but ICT teaching aids needs augmentation. • Evaluation of teachers and their teaching by students with appropriate follow up in place.

<p>2.2.4 Teacher Quality:</p>	<ul style="list-style-type: none"> • Inadequate number of well qualified faculty. • Norms need to be followed for faculty recruitment • Institute encourages teachers to attend seminars/work - shops/conferences/FDP.
<p>2.2.5 Evaluation Process and Reforms:</p>	<ul style="list-style-type: none"> • Evaluation procedures are as per affiliating university • Technology effectively used in evaluation process • Internal evaluation processes in place.
<p>2.2.6 Student Performance and Learning Outcomes:</p>	<ul style="list-style-type: none"> • Examination results at University level needs improvement. • Workshops / seminars for students need to be conducted on regular basis. • NBA accredited programs have mechanisms to achieve learning outcomes and improvements thereon
<p>2.3 Research, Consultancy & Extension:</p>	
<p>2.3.1 Promotion of Research:</p>	<ul style="list-style-type: none"> • Research committee in place. • The research culture amongst students and faculty needs to be inculcated • No provision for seed money to faculty for initiating research
<p>2.3.2 Resource Mobilization for Research</p>	<ul style="list-style-type: none"> • Meager funding from sponsoring agencies for research. • Management contribution for research also minimal • No research funding from industries/organizations
<p>2.3.3 Research Facilities:</p>	<ul style="list-style-type: none"> • Limited research facilities available in some areas. • Involvement of faculty in research & development activity appears to be low. • Affiliating university recognition of departments as research centers required for all departments.
<p>2.3.4 Research Publications and Awards :</p>	<ul style="list-style-type: none"> • Some faculty has registered for doctoral programs in other universities. • Output in terms of M. Phil. and Ph. D. students needs to be increased • Inadequate publications in refereed international & national journals.
<p>2.3.5 Consultancy:</p>	<ul style="list-style-type: none"> • Consultancy activity very poor. • Some departments can tap testing/consultancy from local builders/industries.
<p>2.3.6 Extension Activities and Institutional Social Responsibility:</p>	<ul style="list-style-type: none"> • Institute has NSS unit which organize various activities for the local community. • Blood donation, community development, health and hygiene camps organized. • Institution organizes service to orphanage and old-age homes around.

2.3.7 Collaborations	<ul style="list-style-type: none"> • Institute has entered into few academic MOUs, the outcome of which needs monitoring. • Industry-Institute interactions to be strengthened. • Attempts may be initiated for collaborative consultancy services jointly with other institutions.
2.4 Infrastructure and Learning Resources:	
2.4.1 Physical Facilities	<ul style="list-style-type: none"> • Institution caters adequately to dynamically changing needs of physical infrastructure requirements • The Institute has well-furnished classrooms, laboratories, computer labs, auditorium, seminar halls etc. • Infrastructure exists for outdoor and indoor games.
2.4.2 Library as a Learning Resource:	<ul style="list-style-type: none"> • Library Advisory Committee in place • Library partially computerized • Central library has adequate books/titles/NPTEL videos & lectures • Digital library needs augmentation.
2.4.3 IT Infrastructure	<ul style="list-style-type: none"> • There are adequate number of computers with LAN, Wi-fi and licensed software for various laboratories. • Broadband connectivity bandwidth needs augmentation • Some systems needs upgradation
2.4.4 Maintenance of Campus Facilities:	<ul style="list-style-type: none"> • Adequate budget for maintenance of land, building, furniture, equipment & computers. • Computing resources maintained in-house.
2.5 Student Support and Progression:	
2.5.1 Student Mentoring and Support:	<ul style="list-style-type: none"> • Institute offers financial assistance to students through scholarships & fee concessions. • Institute publishes its updated prospectus every year containing necessary information and made available to students. • Anti-ragging & anti-sexual cells in place • Alumni Association needs to be formal and strengthened
2.5.2 Student Progression:	<ul style="list-style-type: none"> • Success rate of students needs improvement. • Students from different sections of the society are admitted. • Dropout rates negligible • Institution has several student clubs and promotes activities amongst students.
2.5.3 Student Participation and Activities:	<ul style="list-style-type: none"> • Opportunities available to students for developing and exhibiting cultural and sports talents. • Students have participated and won prizes in university level events.

2.6 Governance, Leadership and Management:	
<i>2.6.1 Institutional Vision and Leadership:</i>	<ul style="list-style-type: none"> • Vision, Mission and goals statements in place. • Effective support of management in governance • Need for de-centralization of responsibilities. • Academic and administrative bodies of the institute meet regularly.
<i>2.6.2 Strategy Development and Deployment</i>	<ul style="list-style-type: none"> • Perspective plan and strategic vision needs to be prepared. • Regular interaction of management with faculty, staff and students. • Various committees constituted by the Principal in the beginning of the academic year.
<i>2.6.3 Faculty Empowerment Strategies:</i>	<ul style="list-style-type: none"> • Efforts need to be taken to attract qualified and experienced faculty. • Faculty welfare schemes are to be strengthened. • Promotions should be as per norms of regulatory bodies
<i>2.6.4 Financial Management and Resource Mobilization:</i>	<ul style="list-style-type: none"> • Adequate operational budget. • Regular audit of institutional accounts by chartered accountant. • The finances of the institutions are judiciously allocated and effectively utilized.
<i>2.6.5 Internal Quality Assurance System:</i>	<ul style="list-style-type: none"> • IQAC to be established. • Annual academic audit may be conducted and peer review may be strengthened.
2.7 Innovations and Best Practices:	
<i>2.7.1 Environment Consciousness:</i>	<ul style="list-style-type: none"> • The institute encourages on green campus with tree plantation drive. • Solar energy used to supplement the electricity supply. • Rain water harvesting system in place
<i>2.7.2 Innovations:</i>	<ul style="list-style-type: none"> • Efficient solar cookers and dryers have been developed • Assigning projects in third year practiced
<i>2.7.3 Best Practices:</i>	<ul style="list-style-type: none"> • Sewage water treatment system exists • Counseling and remedial measures for weak students • Continuous personality development programs for students • Fee concession for meritorious students

Section III: OVERALL ANALYSIS	Observations (Please limit to five major ones for each and use telegraphic language) (It is not necessary to denote all the five bullets for each)
<i>3.1 Institutional Strengths:</i>	<ul style="list-style-type: none"> • Clear vision, mission, goals and objectives. • Good organizational structure. • Encouragement for faculty improvement. • Some departments recognized as Research Centre. • Good infrastructure. • Feedback mechanism in place. • Strong and supportive management. • Use of alternate energy resources
<i>3.2 Institutional Weaknesses:</i>	<ul style="list-style-type: none"> • Limited collaborative arrangement with other institutions. • Limited interface with industry for academic activities. • Cadre ratio needs to be improved. • Few number of well qualified senior faculty. • Limited consultancy and projects. • Inadequate research infrastructure. • Limited number of ICT enabled academic facilities
<i>3.3 Institutional Opportunities:</i>	<ul style="list-style-type: none"> • Resource mobilization through funding agencies. • To emerge as a role-model at regional and state level. • Network building with employers, academic and research institutions. • Consultancy opportunities to be exploited • Short term courses for middle level managers of local industry.
<i>3.4 Institutional Challenges:</i>	<ul style="list-style-type: none"> • Initiate consultancy for generating funds and establish Industry Institution Partnership cell. • Attracting and retaining good quality faculty • Competition from other institutions from around • Improving the brand equity • Partaking in economic development activities of the region • More subject area training to pre-final year students. • Imparting employable skills to students. • Attracting quality students

Section IV: Recommendations for Quality Enhancement of the Institution

(Please limit to **ten major ones** and use telegraphic language)
(It is not necessary to indicate all the ten bullets)

- All faculties should be qualified as per AICTE norms,
- Cadre ratio should be maintained,
- Placement activities needs augmentation especially for weaker students,
- Consultancy activities should be strengthened in all departments,
- Quality of research publications needs improvement,
- E-governance to be put in place,
- Improvement in results,
- Internet bandwidth needs improvement,
- Some laboratories need upgradation,
- Entrepreneurship and skill development initiative to be initiated,
- Faculty be encouraged for Refresher's and orientation courses,
- More Residential quarters to teaching and non-teaching staff,
- Efforts are required for all round development of students, inspite of geographical disadvantages.

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

Signature of the Head of the Institution
Seal of the Institution

Signatures of the Peer Team Members:

Name	Designation	Signature with date
Prof. H. P. Khincha	Chairperson	
Prof. M. N. Doja	Member Co-ordinator	
Prof. Sujit K. Biswas	Member	
Dr. Jagannath Patil	Deputy Advisor, NAAC	

Place: Drug, Chattisgarh

Date:14 March 2015



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Quality Profile

Name of the Institution : Chhatrapati Shivaji Institute of Technology

Place : Shivaji Nagar, Durg, Chhattisgarh

Criteria	Weightage (W _i)	Criterion-wise Weighted Grade Point (Cr WGP _i)	Criterion-wise Grade Point Averages (Cr WGP _i / W _i)
I. Curricular Aspects	100	250	2.50
II. Teaching-Learning and Evaluation	350	880	2.51
III. Research, Consultancy and Extension	150	310	2.07
IV. Infrastructure and Learning Resources	100	310	3.10
V. Student Support and Progression	100	300	3.00
VI. Governance, Leadership & Management	100	200	2.00
VII. Innovations and Best Practices	100	260	2.60
Total	$\sum_{i=1}^7 W_i = 1000$	$\sum_{i=1}^7 (Cr WGP_i) = 2510$	

$$\text{Institutional CGPA} = \frac{\sum_{i=1}^7 (Cr WGP_i)}{\sum_{i=1}^7 W_i} = \frac{2510}{1000} = \boxed{2.51}$$

Grade = B

Descriptor = GOOD

Date : May 01, 2015



Shapal
Director

- This certification is valid for a period of *Five* years with effect from May 01, 2015
- An institutional CGPA on four point scale in the range of 3.01 - 4.00 denotes A grade (Very Good), 2.01 - 3.00 denotes B grade (Good), 1.51 - 2.00 denotes C grade (Satisfactory)
- Scores rounded off to the nearest integer