PEER TEAM REPORT
ON
INSTITUTIONAL
RE-ACCREDITATION
OF

Shri Shivaji Education Society Amravati's Science College, Nagpur

Peer Team Visit on
18-20 January, 2016

National Assessment and Accreditation Council
Bangalore
PEER TEAM REPORT ON INSTITUTIONAL REACCREDITATION OF Shri Shivaji Education Society Amravati’s Science College, Nagpur

<table>
<thead>
<tr>
<th>Section -</th>
<th>GENERAL</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>Name &amp; Address of the Institution</td>
<td>Shri Shivaji Education Society Amravati’s Science College, Congress Nagar, Nagpur - 440012</td>
</tr>
<tr>
<td>1.2</td>
<td>Year of Establishment</td>
<td>01.07.1967</td>
</tr>
<tr>
<td>1.3</td>
<td>Current Academic Activities at the Institution (Numbers):</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Faculties:</td>
<td>01 (Science)</td>
</tr>
<tr>
<td></td>
<td>Departments:</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Programmes/Courses offered</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>Permanent Faculty Members:</td>
<td>38</td>
</tr>
<tr>
<td></td>
<td>Permanent Support staff</td>
<td>11+43 (Administrative+ Technical)</td>
</tr>
<tr>
<td></td>
<td>Students:</td>
<td>1756</td>
</tr>
<tr>
<td>1.4</td>
<td>Three major features in the institutional context (As received by the Peer Team)</td>
<td>- Legacy of founder president Dr. Bhausaheb Deshmukh is associated with College</td>
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<tr>
<td></td>
<td></td>
<td>- A fast growing co education college with impressive number of Girls students</td>
</tr>
<tr>
<td>1.5</td>
<td>Dates of visit of the Peer Team (A detailed visit scheduled may be included as Annexure)</td>
<td>18-20 January, 2016</td>
</tr>
</tbody>
</table>
| 1.6       | Composition of the Peer Team which undertake the on-site visit | Chairperson: Prof. V.P. Singh  
Pro-Vice Chancellor  
Department of Plant Science, Mahatma Jyotiba Phule Rohilkhand University, Bareilly, U.P.  
Member Coordinator: Prof. S.N. Bhat  
Coordinator (POCE)  
Jawaharlal Nehru Centre for Advance Scientific Research  
Jakkur, Bangalore  
Member: Prof. (Dr) Bhavesh Patel  
Principal  
V.P. and R.P.T.P. Science College  
VallabhVidyanagar  
Anand, Gujarat  
NAAC officer: Dr. Ganesh Hegde, Deputy Adviser, NAAC |
# Section -II. CRITERION WISE ANALYSIS

<table>
<thead>
<tr>
<th>2.1</th>
<th>Curricular Aspects:</th>
<th>OBSERVATION</th>
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</table>
| 2.1.1 | Curriculum planning and implementation                                             | • Academic programmes are in tune with the goals and objectives and being an affiliated college it follows the curriculum of the RTM Nagpur University.  
• Few faculty members were in BoS of different subjects at University level.  
• Curriculum of certificate courses is designed by the faculty. |
| 2.1.2 | Academic flexibility                                                               | • UGC sponsored COC and other add-on certificate courses are in place.  
• Semester system at UG and PG level has been recently introduced by University.  
• CBCS is introduced recently at PG level by University. |
| 2.1.3 | Curricular Enrichment                                                             | • College conducts various programmes to inculcate moral and ethical values, personality development, soft skill training.  
• Add-on certificate courses are available. |
| 2.1.4 | Feedback System                                                                    | • Structured feedback system for curriculum exists.  
• Collection and analysis methodology needs improvement. |

## 2.2 Teaching, Learning and Evaluation:

| 2.2.1 | Student Enrollment and profile                                                     | • Admission process is made public through website, prospectus, Notice boards etc.  
• Statutory reservation policy followed.  
• Comparatively meritorious students are admitted to the College. |
| 2.2.2 | Catering to the diversity                                                          | • Facilities for differently able students are available.  
• Teacher- student mentoring system has been initiated  
• Scholarships are provided to meritorious students of different community. |
2.2.3 Teaching Learning Process

- College prepares the academic calendar at the outset of the academic year and implemented effectively.
- Lecture method predominantly used and supplemented by ICT methods.
- Laboratory projects at PG level/industrial visits/seminars/study tours are part of the learning process.

2.2.4 Teacher Quality

- Many faculty members attended refresher/orientation courses and regularly attended/presented research papers at conferences/seminar.
- 80% of the permanent faculty members hold Ph.D. with 01 DSC as highest qualification. Majority of them are recognized research guide.
- Large numbers of temporary faculty members are appointed with PG as highest qualification with 04 faculty having NET/SLET.

2.2.5 Evaluation Process and Reforms

- Examination and evaluation methods are communicated to the students at the beginning of the academic year.
- Grievances related to evaluation are addressed at both college and University level.
- Evaluation reforms suggested by the University are adopted by College.

2.2.6 Student Performance & Learning Outcomes

- Good pass percentage in many UG and PG programme.
- Some students were awarded medals and prizes in University examination.
- Academic audit is in place for monitoring performance.

2.3 Research Consultancy & Extension

2.3.1 Promotion of Research

- Institutional research committee is in place.
- Study leave/duty leave for field
PEER Team Report on Institutional Re-accreditation of SSAS Amravati's Science College, Nagpur

| 2.3.2 Resource Mobilization for Research | • Research grant close to Rs. 2 cr. is generated through research projects.  
• College has received a special grant under CPE  
• College facilitates research by providing advance against sanctioned projects. |
| 2.3.3 Research facilities | • Laboratories and library are up to mark for research.  
• Modernization/ upgradation of research facilities to continue.  
• Collaborative research may be enhanced. |
| 2.3.4 Research Publication and Awards | • 433 papers have been published by the faculty members and 233 publications in conference proceedings.  
• 38 books are published by 18 faculty members.  
• Few faculty members have received awards for Papers presented. |
| 2.3.5 Consultancy | • Policy for the consultancy in terms of sharing revenue is in place.  
• Some revenue is generated through consultancy.  
• Faculty potential can be explored further. |
| 2.3.6 Extension Activities and Institution Social Responsibility | • Budgetary provision for extension and outreach programme is made  
• College has active NSS units for both boys and girls.  
• College has close working relationships with NGOs, and local administration for their extension activities.  
• Few students participated in RD parade, YEP. |
| 2.3.7 Collaboration | • College has organizes few international and national work and research work is provided  
• Research oriented seminar/conferences/workshops are organized. |
conferences in collaboration with other institutions.
• Research activities must be strengthened through collaboration.

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<th>2.4</th>
<th>Infrastructure and Learning Resources</th>
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<tr>
<td>2.4.1</td>
<td>Physical facilities for learning</td>
</tr>
<tr>
<td>• The college has 03 acres green Campus with a total built up area of 13438 Sq. mt.</td>
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<td>• Shared play ground, indoor sports, gymnasium is in place.</td>
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<tr>
<td>• 27 class rooms, 01 seminar hall, 01 conference hall exist which is shared with junior college.</td>
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<tr>
<td>• Separate girl’s hostel exists.</td>
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<td>2.4.2</td>
<td>Library as Learning resource</td>
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<tr>
<td>• The central library houses 33664 books.</td>
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<tr>
<td>• Library is automated with the help of OPAC and bar code technology.</td>
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<tr>
<td>• Library committee is in place.</td>
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<td>2.4.3</td>
<td>IT Infrastructure</td>
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<tr>
<td>• Total number of computers available is 317</td>
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<tr>
<td>• Wi-Fi is available</td>
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<tr>
<td>• Video conference facility, smart classroom, CCTV surveillance is available.</td>
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<td>2.4.4</td>
<td>Maintenance of Campus Facility</td>
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<tr>
<td>• Budgetary provision is made for Maintenance</td>
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</tr>
<tr>
<td>• Annual Maintenance Contract for computers, research equipments, ACs, Water purifier, generator, lift is given.</td>
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<tr>
<td>• Neat and clean campus is maintained.</td>
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<tr>
<th>2.5</th>
<th>Student Support and Progression</th>
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<tr>
<td>2.5.1</td>
<td>Student Mentoring &amp; Support</td>
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<tr>
<td>• State Government scholarship and College Scholarships are available</td>
<td></td>
</tr>
<tr>
<td>• College has a Grievance Redressed mechanism in place for students</td>
<td></td>
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<tr>
<td>• Anti Sexual Harassment and anti ragging cells are in place</td>
<td></td>
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<tr>
<td>• Placement cell and coaching for competitive exam cell needs strengthening.</td>
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</table>
| 2.5.2 | Student Progression | - UG to PG progression is substantial (70%)  
- College results are always higher than University average results. |
| 2.5.3 | Student Participation and Activities | - College encourages participation of students in co curricular and extracurricular activities.  
- College publishes annual magazine, wall magazine, thought of the day etc.  
- Statutory student council exists. Students are involved at various levels.  
- Student participated at international level in throw ball. |
| 2.6 | Governance and Leadership | |
| 2.6.1 | Institutional Vision and Leadership | - Mission and Vision statements define the objective of the college  
- Governance of the college is effective  
- Institute believes in participative management under the able guidance of Principal. |
| 2.6.2 | Strategy development and deployment | - LMC of the College plays a vital role in formulating and implementing the policies.  
- College recognizes the Principal/teachers/non teaching staff by way of awarding them.  
- Perspective plan and performance appraisal system exist. |
| 2.6.3 | Faculty Empowerment Strategies | - Academic freedom is provided to the faculty.  
- Employee's credit co-operative society is functioning.  
- Fee concession is provided to the ward of staff members. |
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<tr>
<th>Section</th>
<th>Title</th>
<th>Details</th>
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</table>
| 2.6.4   | Financial Management and Resource Mobilization | The college utilizes the grant received from state government, UGC and fee collected from the students judiciously.  
Accounts are audited.  
Sound financial condition with a corpus of `3.42 cr. Exist. |
| 2.6.5   | Internal Quality Assurance System | Proactive IQAC is in place  
College is associated with APQN.  
SAAC is an initiative to monitor and mentor the growth of the organization.  
IQAC may ensure representation from NGOs/ district administration etc. |
| 2.7     | Innovation and Best Practices |  
**2.7.1 Environment Consciousness**  
The College takes efforts to maintain the green lung of the campus through tree plantation  
Roof top farming, waste management, water harvesting are practiced |
|         | **2.7.2 Innovation** | Recognition of best teacher/ best researcher/best service(non teaching staff)/best library user/ best student |
|         | **2.7.3 Best Practices** | Soil less roof top organic farming  
Residential INSPIRE camp to create awareness about future in basic sciences. |
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<table>
<thead>
<tr>
<th>Section –III. OVERALL ANALYSIS</th>
<th>Report</th>
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| 3.1 Institutional Strengths    | • College is strategically located  
|                                | • Able administrative support 
|                                | • Student centric support system 
|                                | • Impressive academic ambience |
| 3.2 Institutional Weakness     | • High number of temporary faculty members with PG as their highest qualification. 
|                                | • About 50% of the faculty positions are vacant 
|                                | • Placement is not very impressive |
| 3.3 Institutional Opportunities| • To tap the resources through alumni 
|                                | • Revenue generation through research grants 
|                                | • Research publications in science citation indexed journal 
|                                | • Increase the industry interaction 
|                                | • Cross registration of students for add-on certificate courses 
|                                | • Conducting more national and international seminars/conferences |
| 3.4 Institutional Challenges   | • Attracting meritorious students for UG and PG programme 
|                                | • Achieving excellence in research and consultancy 
|                                | • Revenue generation to match growth and development 
|                                | • Getting experienced faculty in emerging areas 
|                                | • Motivating teachers for research and consultancy |
**PEER Team Report on Institutional Re-accreditation of SSES Amravati’s Science College, Nagpur**

### Section -IV.
**Recommendations for Quality Enhancement of the Institution**

- Attempt to be made to fill up the vacant position.
- Teachers even in temporary position should have UGC qualifications.
- To go for academic autonomy
- Financial assistance is to be provided to teachers to start research.
- Microbiology laboratory needs to be expanded
- Focus on quality research required.
- Organize more Seminar/ Symposia/ Conference/Workshops/ FDP
- Boys NCC, Gymnasium is to be established
- Separate cell for preparing students for competitive exam is to be initiated.
- Consultancy is an area which needs to be strengthened.
- Canteen, indoor games, gymkhana facilities must be expanded
- Add-on courses like value addition, soft skill can be initiated

I agree with the Observations of the Peer team as mentioned in this Report.

Seal of the Institution

Signatures of the Peer Team Members:

Prof. V.P. Singh  
Chairperson  

Prof. S.N. Bhat  
Member coordinator  

Prof. (Dr) Bhavesh Patel  
Member  

Place: Nagpur  
Date: 20/01/2016