

## Annual Quality Assessment Report

Name of the Institute: School of Life Sciences

Year of Report: 2012- 2013

### Part A: The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year.

1. Curricular Aspects	<ul style="list-style-type: none"><li>• Grade – Credit System is followed</li><li>• The course curriculum is regularly updated. Last updated in 2013 – 2014.</li><li>• In formal feedback from ex – students is also taken in consideration.</li><li>• State governments' norms are followed in admission process for reserved categories and women.</li><li>• Remedial sessions are organized for weaker students and enrichment sessions for the brighter ones.</li></ul>
2. Teaching-Learning and Evaluation	<ul style="list-style-type: none"><li>• Lecture halls are equipped with multimedia projectors.</li><li>• Lectures are supplemented by assignments, seminars and practical.</li><li>• Timely evaluation of answer sheets and declaration of results.</li><li>• Students' are given feedback on their performance and answer sheets are shown to them.</li><li>• Result processing is computerized.</li><li>• Teaching learning process with ICT component.</li><li>• Comprehensive Viva – Voce board comprise at least one external examiner.</li><li>• Biostatistics, basic computer applications and bioinformatics are some of the hallmark to develop research skills among PG.</li></ul>
3. Research, consultancy and Extension	<ul style="list-style-type: none"><li>• Faculty is regularly publishing research papers in international and national journals.</li><li>• School of Life Sciences is having collaboration with National Institutes and also with foreign universities.</li><li>• Consultancy with BASF India Ltd.</li><li>• Faculty and students participate in Extension activities.</li></ul>

4. Infrastructure and Learning Resources	<ul style="list-style-type: none"> <li>• School of Life Sciences is having well equipped laboratories in the area of Plant Physiology, Animal Physiology, Immunology, Plant Tissue Culture and Somatic Genetics.</li> <li>• Departmental Library have more than 1400 books.</li> <li>• More than 30 computers, printers are available for the use of students / research scholars.</li> </ul>
5. Student Support and Progression	<ul style="list-style-type: none"> <li>• Most of the students absorbed in national and international research institutes.</li> <li>• Our 90% students pursue research projects in ICMR, DBT-JRF, IISc Bangalore, NCBS Bangalore, TIFR Mumbai, NII New Delhi, JNU New Delhi and other national level competitions for jobs in different sectors.</li> <li>• Grievances redressal mechanism exists, monitoring and provided to students by conducting teachers-student meetings.</li> <li>• Remedial classes are arranged for weak students</li> <li>• Special Guidance- is given to students aspiring to National or International level competitions and research publications.</li> <li>• Students participated in University Cultural and Sports activities.</li> </ul>
6. Governance & Leadership	<ul style="list-style-type: none"> <li>• Full academic autonomy in designing the syllabus.</li> <li>• Faculty involved in Selection, Examination &amp; Professional Development activities of the Universities.</li> <li>• Head of the Department (Prof. Suresh Chand) is involved as expert in UGC-NAAC, UGC-SAP, MRP and ICAR.</li> </ul>
7. Innovative Practices	<ul style="list-style-type: none"> <li>• Student feedback system is followed for continuous improvement.</li> <li>• Assessment of students is undertaken through regular and continuous evaluation and end semester examination.</li> <li>• Results declared on time.</li> <li>• Strong emphasis on classroom teaching.</li> <li>• Academic calendar is strictly followed. Teaching schedule adhered to and syllabus is covered on time.</li> </ul>

#### Part B: Action taken during the Year

1. Activities reflecting the goals and objectives of the institution	<ul style="list-style-type: none"> <li>• Regular teaching with teaching aids.</li> <li>• Syllabi coverage: 90-100%</li> <li>• Mentoring &amp; student guidance, remedial classes.</li> </ul>
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2. New Academic program initiated (UG and PG)	<ul style="list-style-type: none"> <li>• M.Phil. 2011-12 ; 2012-13</li> <li>• Ph.D. Course Work in Life Sciences (2012-13)</li> </ul>
3. Innovations in curricular design and transaction	Syllabus of M.Sc. Life Sciences and M.Sc. Industrial Microbiology, M.Phil. and Ph.D. Course Work revised during 2012-13.
4. Inter-disciplinary programmers started	<ul style="list-style-type: none"> <li>• Biostatistics and Computer Applications paper added to the curriculum.</li> </ul>
5. Examination reforms implemented	Semester system is followed and the answer sheets are shown to the students after evaluation.
6. Candidates qualified NET/SLET/GATE/ICMR etc.	<ul style="list-style-type: none"> <li>• NET – 02</li> <li>• GATE – 01</li> <li>• DST-INSPIRE – 02</li> </ul>
7. Initiative towards faculty development programme	<ul style="list-style-type: none"> <li>• Refresher course attended by 3 faculties</li> <li>• Distinguished Scientists Lectures Series organized for the faculty and students</li> </ul>
8. Total number of seminars/workshops conducted	03
9. Research Projects a. Newly implemented b. Completed	04  02
10. Patents generated (if any)	None
11. New Collaborative Research Program	Research Collaboration <ul style="list-style-type: none"> <li>• MOU signed for research collaboration with DSR (ICAR)</li> <li>• Collaboration with BASF India Ltd.</li> </ul>

12. Research Grant received from various agencies	Research project sanctioned by UGC to Dr. K. Hajela, BASF to Dr. K.N. Guruprasad
13. Details of Research Scholars	26 Students completed Ph.D. Course work in Life Sciences and applied for enrollment in Ph.D. programme
14. Citation index of faculty members and impact factor	<ul style="list-style-type: none"> <li>• Faculty has published research papers in journals having impact factor ranging from 0.52 to 5.76</li> <li>• Research papers of 2 faculty of School of Life Sciences have more than 100 citations of a single research paper</li> </ul>
15. Honor / Awards to the faculty	One of the research scholar of the department Dr. Vivek Chandra has been awarded INSA Young Scientist Award
16. Internal resources generated	Through fee collection, consultancy
17. Details of Departments getting SAP, FIST etc. assistance/recognition	Department availed UGC-SAP & DST (1 <sup>st</sup> Phase)
18. Community Services	We always provide career guidance without any charge to students of all classes and we always are in forefront to help down people of the society.
19. Teachers and Officers newly recruited	One contractual faculty in August 2013
20. Teaching – Non-teaching Staff Ratio	1:2
21. Improvements in the library services	New Books with latest titles have been added in the departmental library
22. New Books/Journals Subscribed and their value	About 100 Books added in the departmental library
23. Courses in which assessment of teachers is introduced and the action taken on student feedback	<ul style="list-style-type: none"> <li>• M.Sc., M.Phil., Ph.D. Course Work</li> <li>• Student's feedback was analyzed. Overall rating about the department and teachers was very good.</li> </ul>
24. Computerization and Administration and the	<ul style="list-style-type: none"> <li>• Admission process is as per DAVV/State Government Norms.</li> </ul>

process of admission and examination, result issues of certificated	<ul style="list-style-type: none"> <li>• Examination is conducted as per Ordinance 31.</li> <li>• Results are declared timely</li> </ul>
25. Increase in the infrastructural facilities	None
26. Technology up-gradation	Networking facility through IT center with 30 Computers and 06 LCD projectors are available.
27. Computer and internet excess and training to teachers and students	Yes
28. Financial Aid to students	Govt.aid is provided to SC/ST/OBC Students
29. Activities and support from the Alumni Association	Alumni helps students to find vacancies and research programmes.
30. Activities and support from the parent Teacher Association	Parents are informed about the Students progress and attendance related matters.
31. Health Services	Students are provided health center facility by the University.
32. Performance in sport activities	Students participated in inter-departmental sports activities
33. Incentives to outstanding sportspersons.	Sport Kits provided
34. Students achievements and awards	Several students selected for Ph.D. through various National and International research programmes
35. Activities of the guidance and Counseling Units	Discussion with students and research scholars are held to provide information and to encourage them in various scientific activities during regular student teachers meetings.
36. Placements services provided to student	Teachers help students in their placement for project work and research career.
37. Development programmes for Non-teaching Staff	No specific program exists at present.
38. Healthy practices of the institution	<ul style="list-style-type: none"> <li>• Regular and quality teaching</li> <li>• Active participation in research activities</li> <li>• For quality assurance, self analysis and feedback from students was practiced.</li> </ul>

39. Linkage developed with Nation/International, Academic/Research bodies.	Collaboration and MOUs with National Institute (DSR/ICAR) and BASF India Ltd.
40. Any other relevant information the institution wishes to add	Department works for the overall development of the students through regular teaching and research

**Part C: Detail of the plans of the institution for the next year:**

- Organize Seminars, Conference and Workshops.
- Up gradation of Computer facilities out of Bioinformatics-Sub centre grant.
- To increase the number and titles of books in departmental library.
- Appointment of regular qualified and research oriented faculty.
- To strengthen research activities, new research projects will be submitted to various funding agencies.
- Faculty participation in seminars, conferences and visits will be encouraged.
- Purchase furniture, ICT for seminar room.
- Plantation & Herbal garden.

Name & Signature of the

Coordinator IQAC

Name & Signature of the

Head