**SACRED HEART COLLEGE (AUTONOMOUS)**

**APPENDICES**

**ACADEMIC AUDIT REVIEW REPORT**

**DEPARTMENT OF BIOCHEMISTRY**

**1. Introduction**

External audit Panel consist of the following members

Subject Expert: **Dr. A. Liyakath Ali**

Head, Associate Professor,

PG & Research Dept. of Biochemistry,

Islamiah Men’s College, Vaniyambadi. -

**Dr. P. Santhanam**

Assistant Professor,

Department of Marine Science,

School of Marine Sciences,

Bharathidasan University,

Tiruchirappalli. -

Industrialist**: Dr. S. Subramanium**

Lab Director,

Regenix Super Speciality Laboratory Pvt. Ltd,

# 42, Loganathan Nagar, Choolaimedu,

 Chennai – 600 094

**Schedule of the Academic Audit (10th and 11th December 2015)**

**Day 1: 10th December 2015**

|  |  |
| --- | --- |
| **Time** | **Activity** |
| 9.00 a.m. - 9.30 a.m. | Meeting of the Panel Members with the Principal and IQAC Coordinator in Principal’s Office |
| 9.45 a.m. - 10.30 a.m. | Department Presentation in the AKRC along with IQAC Coordinator and the Panel |
| 10.30 a.m. - 10.45 a.m. | Tea Break |
| 11.00 a.m. - 11.30 a.m. | Meeting the I UG Students |
| 11.30 a.m. - 12.00 p.m. | Meeting the II UG Students |
| 12.00 p.m. - 12.30 p.m. | Meeting the III UG Students |
| 12.30 p.m. - 1.30 p.m. | Lunch Break |
| 1.30 p.m. - 2.30 p.m. | Meeting the Staff |
| 2.30 p.m. - 3.00 p.m. | Meeting the II PG Students |
| 3.00 p.m. - 3.15 p.m. | Tea Break |
| 3.15 p.m. - 3.45 p.m. | Meeting the I PG Students |
| 3.45 p.m. - 4.15 p.m. | Meeting the Student Leaders |

**Day 2: 11th December 2015**

|  |  |
| --- | --- |
| **Time** | **Activity** |
| 9.30 a.m. - 10.30 a.m. | Visiting the Infrastructure |
| 10.30 a.m. - 11.15 a.m. | Verifying the Audit Report and the Support Evidences |
| 11.00 a.m. - 11.30 a.m. | Tea Break |
| 11.30 a.m. - 12.30 p.m. | Verifying the Audit Report and the Support Evidences |
| 12.30 p.m. - 1.30 p.m. | Lunch Break |
| 1.30 p.m. - 3.30 p.m. | Preparation of the Audit Report by the Panel |
| 3.30 p.m. – 4.30 p.m. | Exit Meeting with Principal and IQAC Coordinator |

The members had interaction with students, staffs and visited the infrastructure facilities available as per the schedule.

**2. Milestones of the Department**

2005 - Starting of B.Sc., Biochemistry

2012 - Starting of PGDMLT Course (Autonomous)

2014 - Starting of M.Sc., Biochemistry

Conducting seminars/ workshop a regular annual event, release of annual journal BIOZONE by the department is to be appreciated.

One young scientist with the project money of Rs/ 30.1 Lakhs from DST-SERB, Govt. of India, working in the department is to be appreciated.

**3. Faculty Profile**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| S.No | **Name of the Faculty**  | **Designation**  | **Qualification**  | **Publications**  | **Book Publication**  | **Teaching Experience in Years**  | **Sex** |
| 1 | Mrs. A.C. Gomathi  | PG HOD | M.Sc., M.Phil. | 3  | 1  | 13  | F |
| 2 | Mrs. R. Ananthalakshmi  | UG HOD | M.Sc., M.Phil. | 3  | 1  | 8  | F |
| 3 | Mr. M. Fernandus Durai  | Asst. Professor  | M.Sc., M.Phil. | 4  | 1  | 6  | M |
| 4 | Mrs. R. Umavandhana  | Asst. Professor  | M.Sc., M.Phil. | 1  | 2  | 3  | F |
| 5 | Dr. S. Anbu  | Asst. Professor  | M.Sc.,M.Phil.SET., Ph.D. | 7  | 1  | 4  | M |
| 6 | Dr. A. Poongothai  | Asst. Professor  | M.Sc., Ph.D.  | 4  | 1  | 1  | F |
| 7 | Dr. P. Saranraj  | Asst. Professor  | M.Sc.,M.Phil.Ph.D. | 88  | 17  | 6months  | M |
| 8 | Dr. A. Jeyaprakash  | Asst. Professor  | M.Sc.,M.Phil.Ph.D.,  | 8  | 1  | 6months  | M |
| 9 | Dr. V. Durga Devi  | Asst. Professor  | M.Sc., Ph.D.  | 1  | -  | 2 years  | F |
| 10 | Dr. I. Niyas Ahamed  | YoungScientist  | M.Sc.,M.Phil.Ph.D. | 12  | -  | 7  | M |

Four male Assistant Professors and five female Assistant Professors are working in the department. Five teaching staffs with Ph.D. degrees and remaining four are doing their Ph.D. One DST young Scientist is working in the department. In addition to teaching staff members are shouldering responsibilities like mentoring the students, association president, alumni incharge, sports incharge, DEEDS incharge, placement officer, taking students for industrial visit etc.

**4. Students profile**

**UG**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **BATCH** | **2007-10** | **2008-11** | **2009-12** | **2010-13** | **2011-14** | **2012-15** | **2013** | **2014** | **2015** |
| Male  | 25 | 39 | 34 | 18 | 23 | 21 | 20 | 19 | 22 |
| Female  | 0 | 0 | 16 | 21 | 26 | 29 | 28 | 32 | 30 |
| TOTAL  | 25 | 39 | 50 | 39 | 49 | 50 | 48 | 51 | 52 |

**PGDMLT**

|  |  |  |
| --- | --- | --- |
| **BATCH** | **2012-13** | **2013-14** |
| Male  | 4 | 2 |
| Female  | 5 | 15 |
| TOTAL  | 9 | 17 |

**PG**

|  |  |  |
| --- | --- | --- |
| **BATCH** | **2014-15** | **2015-16** |
| Male  | 4  | 6  |
| Female  | 17  | 8  |
| TOTAL  | 21  | 14  |

PGDMLT course is non-functional since no students opted for the course.

Two other state students studying.

Students attendance well maintained, students can verify their attendance online day to day.

**5. Curriculum**

CBCS structure followed, syllabus reviewed once in three years, The syllabus is relevant and some subjects are challenging. The PG students expect practical’s to be included in bioinformatics.

Based on the feedback received from the outgoing students subjects like Microbiology and Endocrinology have been introduced in the very next board of studies meeting for B.Sc Biochemistry students.

**6. Evaluation of the course**

Continuous internal assessment is helpful in getting good marks. Thiruvalluvar university question paper pattern followed. Objective type question may be included in the question paper pattern so that the students get trained to face the competitive exams. Overall Performance of the students in the semester examination is more than 60%.

**7. Research and consultancy**

Good number of research articles were published by staff members. One young scientist with the project money of Rs. 30.1 Lakhs sponsored by DST-SERB working in the department.

No consultancy service is practiced in the department.

**8. Infrastructural facilities**

Adequate number of class rooms are available. Separate laboratory for B.Sc. and M.Sc. Biochemistry is available. Necessary equipment’s are available. However their number may be increased especially colorimeter, microscope and digital balance to meet the students strength of 50 and above in B.Sc Biochemistry.

Inadequate number of text books and reference books in biochemistry in the library is a major concern. So we suggest to equip the library with adequate numbers of text books and reference books in biochemistry to meet the student’s requirement.

**9. Outcome of the students meeting**

* Majority of the students reported available number of text books and reference books related to biochemistry is inadequate. They want to utilize department library also.
* Majority of students want to pay the college fees in installments as in previous years.
* UG girl students want hostel facilities.
* Majority of the students want model examination before appearing for the end semester examination.
* Majority of the students reported many systems in the browsing centre is not working and the speed of connectivity in the working system is slow.
* Students expect free Wi-Fi facilities and free cycle parking facilities.
* Students prefer to attend the class if they come late instead of going to library. They are prepared to lose the attendance for coming late to that class.
* Students not having their own laptops wants to use computer facilities available in the college.
* Students reported drinking water facilities and water facilities in the wash rooms not satisfactory.
* The students want to abolish collecting common breakage.
* They expect proper feedback from the concerned individual teachers after completion of their seminar.
* They require proper functioning of the student health centre.
* PG students want to carry out the research project work in the college itself since going outside for project work affects the regular classes and also they have to spend considerable amount of money for the project.

**10. Outcome of the faculty meeting**

All the faculty members felt happy with the amenities and academic environment provided to them. At times Wi-Fi networks is not working properly and find difficulty in communicating in e-administration. It may be looked into and rectified.

With the strength of more than 50 students the available number of instruments like colorimeter, microscope, and digital balance are inadequate and they are not able to complete the practicals within the stipulated time. We request to fulfill their requirement.

**11. Overall assessment**

* Based on the interaction and the feedback received, the performance of the staff both teaching and non-teaching is good the progression of the students to higher studies and employment is also good.
* Overall infrastructure facilities available is good.
* Department conducts seminar (state / national level) as annual event and it brings out a annual research journal is to be appreciated. The relationship between staff members and between staff and students is cordial.
* One young scientist with the project money of Rs/ 30.1 Lakhs from DST-SERB working in a department is to be appreciated.

**12. Suggestions**

* Increasing the number of text books and reference books in biochemistry in library and in the department library.
* Providing better working computer systems in browsing center.
* Providing hostel facilities for UG girl students.
* Providing instruments like colorimeter, microscope and digital balance to the department.
* Upgrading the department to a full-fledged research department which may be helpful to receive funds from various funding agencies and also it will help to improve the strength in post-graduation admission.

**13. Conclusion**

Good infrastructure facilities available for both staff and the students. Cordial relationship exists between staff members and also between the staff and the students. Overall progression of the students to higher studies and employment is good. Publications suggest teaching staffs are actively involved in research also.

Improving the availability of text books and reference books in biochemistry, internet facilities and providing hostel facilities for UG girl students will help the department to march forward to become a full-fledged research department.

**Signatures of the Academic panel members:**

|  |  |  |
| --- | --- | --- |
| **S.No** | **Name and address of the Academic Audit panel** | **Signature** |
| **1** | **Dr. A. Liyakath Ali**Head, Associate Professor,PG & Research Dept. of Biochemistry,Islamiah Men’s College,Vaniyambadi |  |
| **2** | **Dr. P. Santhanam**Assistant Professor,School of Marine Sciences,Bharathidasan University,Tiruchy  |  |
| **3** | **Dr. S. Subramanium**Lab Director,Regenix Super Speciality Laboratory Pvt. Ltd,# 42, Loganathan Nagar, Choolaimedu, Chennai – 600094 |  |
| **4** | **Mrs. A.C.Gomathi** PG Head, Department of BiochemistrySacred Heart College(Autonomous)Tirupattur |  |
| **5** | **Mrs. R.Ananthalakshmi** UG Head, Department of BiochemistrySacred Heart College(Autonomous)Tirupattur |  |