

प्रज्ञानं ब्रह्म



Manipal

INSPIRED BY LIFE

Annual Quality Assurance Report (AQAR)

2014 -15

School of Life Sciences, Manipal



Submitted to

Manipal Academy of Higher Education

Manipal 576104, Karnataka

Vision

To be the centre of excellence in basic and biomedical research, education and diagnostics

Mission

To engage in cutting edge research, training, education and offer help to the community in the field of human health

Values

- Integrity
- Transparency
- Quality
- Teamwork
- Execution with passion
- Humane touch

Annual Quality Assurance Report (AQAR) in Accredited Institutions (Revised in October 2013)



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, Opp: NLSIU, Nagarbhavi, Bangalore - 560 072 India

The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

Part – A

AQAR for the year (for example 2013-14)

2014-15

I. Details of the Institution

1.1 Name of the Institution

School of Life Sciences

1.2 Address Line 1

Planetarium Complex

Address Line 2

Manipal University

City/Town

MANIPAL, UDUPI

State

KARNATAKA

Pin Code

576104

Institution e-mail address

mlsc@manipal.edu

Contact Nos.

0820-2922058; 0820-2957125

Name of the Head of the Institution:

Dr. K Satyamoorthy

Tel. No. with STD Code:

0820-2957125

Mobile:

Name of the IQAC Co-ordinator:

Mobile:

IQAC e-mail address:

1.5 Website address:

Web-link of the AQAR:

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

| Sl. No. | Cycle | Grade | CGPA | Year of Accreditation | Validity Period |
|---------|-----------------------|-------|------|-----------------------|-----------------|
| 1 | 1 st Cycle | B+ | | 2002 | 5 yrs |
| 2 | 2 nd Cycle | | | | |
| 3 | 3 rd Cycle | | | | |
| 4 | 4 th Cycle | | | | |

1.7 Date of Establishment of IQAC : DD/MM/YYYY

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*for example AQAR 2010-11 submitted to NAAC on 12-10-2011*)

- i. AQAR _____ (DD/MM/YYYY)4
- ii. AQAR _____ (DD/MM/YYYY)
- iii. AQAR _____ (DD/MM/YYYY)
- iv. AQAR _____ (DD/MM/YYYY)

1.9 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.10 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

1.11 Name of the Affiliating University (*for the Colleges*)

NA

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University NA

University with Potential for Excellence NA UGC-CPE NA

DST Star Scheme NA UGC-CE NA

| | | | |
|----------------------------------|----|------------------------------|------------|
| UGC-Special Assistance Programme | NA | DST-FIST | ✓ |
| UGC-Innovative PG programmes | NA | Any other (<i>Specify</i>) | TIFAC-CORE |
| UGC-COP Programmes | NA | | |

2. IQAC Composition and Activities

| | |
|---|---|
| 2.1 No. of Teachers | 7 |
| 2.2 No. of Administrative/Technical staff | 0 |
| 2.3 No. of students | 0 |
| 2.4 No. of Management representatives | 0 |
| 2.5 No. of Alumni | 0 |
| 2.6 No. of any other stakeholder and community representatives | 0 |
| 2.7 No. of Employers/ Industrialists | 0 |
| 2.8 No. of other External Experts | 0 |
| 2.9 Total No. of members | 7 |
| 2.10 No. of IQAC meetings held | |

2.11 No. of meetings with various stakeholders: No. Faculty
 Non-Teaching Staff Students Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes No
 If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

2.15 Plan of Action by IQAC/Outcome

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 *

| Plan of Action | Achievements |
|----------------|--------------|
| | |

* Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

| Level of the Programme | Number of existing Programmes | Number of programmes added during the year | Number of self-financing programmes | Number of value added / Career Oriented programmes |
|------------------------|-------------------------------|--|-------------------------------------|--|
| PhD | 1 | 0 | 1 | |
| PG | 3 | 0 | 3 | |
| UG | 1 | 0 | 1 | |
| PG Diploma | 1 | 0 | 0 | |
| Advanced Diploma | 0 | 0 | 0 | |
| Diploma | 0 | 0 | 0 | |
| Certificate | 1 | 0 | 1 | |
| Others | 0 | 0 | 0 | |
| Total | 7 | 0 | 6 | |
| Interdisciplinary | 3 | 0 | 0 | |
| Innovative | 0 | 0 | 0 | |

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

(ii) Pattern of programmes:

| Pattern | Number of programmes |
|-----------|----------------------|
| Semester | 5 |
| Trimester | 0 |
| Annual | 0 |

1.3 Feedback from stakeholders* Alumni Parents Employers Students

(On all aspects)

Mode of feedback : Online Manual Co-operating schools (for PEI)

**Please provide an analysis of the feedback in the Annexure*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Board of Studies (BoS) meeting on 29.6.2015, approved the following:

- Revised syllabus and regulations for B.Sc. Biotechnology, M.Sc. Molecular Biology and Human Genetics and M.Sc. Bioinformatics courses
- Revised internal assessment marks for research project of B.Sc. Biotechnology and M.Sc. Medical Biotechnology; M.Sc. Molecular Biology and Human Genetics courses
- Sessional examination question paper pattern for B.Sc. Biotechnology course

1.5 Any new Department/Centre introduced during the year. If yes, give details.

None

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

| Total | Asst. Professors | Associate Professors | Professors | Others |
|-------|------------------|----------------------|------------|--------|
| 25 | 9 | 5 | 6 | 5 |

2.2 No. of permanent faculty with Ph.D.

20

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

| Asst. Professors | | Associate Professors | | Professors | | Others | | Total | |
|------------------|---|----------------------|---|------------|---|--------|---|-------|---|
| R | V | R | V | R | V | R | V | R | V |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

2.4 No. of Guest and Visiting faculty and Temporary faculty

17

16

0

2.5 Faculty participation in conferences and symposia:

| No. of Faculty | International level | National level | State level |
|------------------|---------------------|----------------|-------------|
| Attended | 0 | 2 | 4 |
| Presented papers | 7 | 6 | 3 |
| Resource Persons | 2 | 3 | 3 |

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Teacher guardian for first year students
- Weekly coaching for poor students

2.7 Total No. of actual teaching days during this academic year

283 (examination days not included)

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

NA

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

8 (BoS)

2.10 Average percentage of attendance of students

82

2.11 Course/Programme wise distribution of pass percentage:

| Title of the Programme | Total no. of students appeared | Division | | | | |
|-------------------------|--------------------------------|---------------|-----|------|-------|--------|
| | | Distinction % | I % | II % | III % | Pass % |
| BSc (Biotechnology) | 31 | 43 | 0 | 0 | 0 | 57 |
| MSc (MBT) | 10 | 40 | 60 | 0 | 0 | 0 |
| MSc (MBHG) | 9 | 45 | 45 | 0 | 0 | 10 |
| MSc (BI) | 6 | 20 | 60 | 0 | 0 | 20 |
| PGD (CMD) | 16 | 50 | 50 | 0 | 0 | 0 |
| Certificate Course (BI) | 11 | 9 | 91 | 0 | 0 | 0 |

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

Every subject has a teaching schedule drawn. Every class is registered through an online attendance. Students provide feedback on faculty and services. Every student is monitored and evaluated via internal assessment examinations, seminar presentations and assignments.

2.13 Initiatives undertaken towards faculty development

| <i>Faculty / Staff Development Programmes</i> | <i>Number of faculty benefitted</i> |
|--|-------------------------------------|
| Refresher courses | 25 |
| UGC – Faculty Improvement Programme | 0 |
| HRD programmes | 0 |
| Orientation programmes | 0 |
| Faculty exchange programme | 0 |
| Staff training conducted by the university | 0 |
| Staff training conducted by other institutions | 1 |
| Summer / Winter schools, Workshops, etc. | 25 |
| Others | 0 |

2.14 Details of Administrative and Technical staff

| Category | Number of Permanent Employees | Number of Vacant Positions | Number of permanent positions filled during the Year | Number of positions filled temporarily |
|----------------------|-------------------------------|----------------------------|--|--|
| Administrative Staff | 11 | 0 | 0 | 0 |
| Technical Staff | 25 | 0 | 0 | 0 |

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

Faculty members encouraged to apply and procure research grants,
Results of research published in peer-reviewed, indexed journals.
Publishing faculty members rewarded as per the research policy of the University.
Every student undertakes a research project as part of the curriculum.
Researchers are encouraged to participate and present their work in conferences/symposia.
Infrastructure development to ensure research in contemporary areas

3.2 Details regarding major projects

| | Completed | Ongoing | Sanctioned | Submitted |
|---------------------|-----------|---------|------------|-----------|
| Number | 5 | 14 | 4 | 33 |
| Outlay in Rs. Lakhs | 160.04 | 481.92 | 87.82 | 234.5 |

3.3 Details regarding minor projects

| | Completed | Ongoing | Sanctioned | Submitted |
|---------------------|-----------|---------|------------|-----------|
| Number | NA | NA | NA | NA |
| Outlay in Rs. Lakhs | | | | |

3.4 Details on research publications

| | International | National | Others |
|--------------------------|---------------|----------|--------|
| Peer Review Journals | 24 | 0 | 0 |
| Non-Peer Review Journals | 0 | 0 | 0 |
| e-Journals | 1 | 0 | 0 |
| Conference proceedings | 4 | 0 | 0 |

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

| Nature of the Project | Duration Year | Name of the funding Agency | Total grant Sanctioned | Received |
|--|---------------|----------------------------------|------------------------|----------|
| Major projects | 2-4 years | DBT, DST, ICMR, BRNS, SERB, VGST | 641.96 | 103.49 |
| Minor Projects | | | | |
| Interdisciplinary Projects | | | | |
| Industry sponsored | | | | |
| Projects sponsored by the University/ College | | | | |
| Students research projects <i>(other than compulsory by the University)</i> | | | | |

| | | | | |
|--------------------|--|--|--|--|
| Any other(Specify) | | | | |
| Total | | | | |

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges
Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences
organized by the Institution

| Level | International | National | State | University | College |
|---------------------|---------------|----------|--------|------------|---------|
| Number | 1 | 1 | 1 | 0 | 0 |
| Sponsoring agencies | ICMR, DBT, MU | | SBC(I) | | |

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From Funding agency From Management of University/College

Total

* Actual receipt

3.16 No. of patents received this year

| Type of Patent | | Number |
|----------------|---------|--------|
| National | Applied | 1 |
| | Granted | 0 |
| International | Applied | 0 |
| | Granted | 0 |
| Commercialised | Applied | 0 |
| | Granted | 0 |

3.17 No. of research awards/ recognitions received by faculty and research fellows
Of the institute in the year

| Total | International | National | State | University | Dist | College |
|-------|---------------|----------|-------|------------|------|---------|
| 9 | 6 | 2 | 0 | 1 | 0 | 1 |

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them

12

37

3.19 No. of Ph.D. awarded by faculty from the Institution

5

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF 13 SRF 5 Project Fellows 13 Any other

3.21 No. of students Participated in NSS events:

University level 0 State level 0

National level 0 International level 0

3.22 No. of students participated in NCC events:

University level 0 State level 0

National level 0 International level 0

3.23 No. of Awards won in NSS:

University level 0 State level 0

National level 0 International level 0

3.24 No. of Awards won in NCC:

University level 0 State level 0

National level 0 International level 0

3.25 No. of Extension activities organized

University forum 0 College forum 5

NCC 0 NSS 0 Any other 1

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- INSPIRE science internship for school students (May 2015)
- Science Day residential program for a week, culminating in a science exhibition for public, including school students (Feb 2015)
- Student forum organised lectures on a range of topics by external experts
- Workshops and demonstrations arranged for students from schools and colleges in the state

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

| Facilities | Existing | Newly created | Source of Fund | Total |
|---|----------|---------------|-----------------------|--------|
| Campus area | | | NA | |
| Class rooms | 5 | 0 | NA | 5 |
| Laboratories | 25 | 0 | NA | 25 |
| Seminar Halls | 3 | 0 | NA | 3 |
| No. of important equipments purchased (\geq 1-0 lakh) during the current year. | | 9 | Institution, DST-FIST | 9 |
| Value of the equipment purchased during the year (Rs. in Lakhs) | | 193.66 | -do- | 193.66 |
| Others | | | NA | |

4.2 Computerization of administration and library

| |
|----|
| NA |
|----|

4.3 Library services:

| | Existing | | Newly added | | Total | |
|------------------|----------|-------|-------------|-------|-------|-------|
| | No. | Value | No. | Value | No. | Value |
| Text Books | | | | | | |
| Reference Books | 360 | | 43 | | 403 | |
| e-Books | | | | | | |
| Journals | | | | | | |
| e-Journals | 1180 | | 330 | | 1510 | |
| Digital Database | | | | | | |
| CD & Video | | | | | | |

| | | | | | | | |
|------------------|--|--|--|--|--|--|--|
| Others (specify) | | | | | | | |
|------------------|--|--|--|--|--|--|--|

4.4 Technology up gradation (overall)

| | Total Computers | Computer Labs | Internet | Browsing Centres | Computer Centres | Office | Departments | Others |
|----------|-----------------|---------------|----------|------------------|------------------|--------|-------------|--------|
| Existing | 137 | 40 | Yes | NA | NA | 8 | 0 | 89 |
| Added | 1 | 0 | Yes | NA | NA | 0 | 0 | 1 |
| Total | 138 | 40 | Yes | NA | NA | 8 | 0 | 90 |

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

| |
|---|
| All students, teachers and staff have Wi-Fi and internet connectivity in the premises |
|---|

4.6 Amount spent on maintenance in lakhs :

| | |
|--|------------------------------------|
| i) ICT | <input type="text" value="0"/> |
| ii) Campus Infrastructure and facilities | <input type="text" value="48.8"/> |
| iii) Equipments | <input type="text" value="60"/> |
| iv) Others | <input type="text" value="0"/> |
| Total : | <input type="text" value="108.8"/> |

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

| |
|---|
| Orientation program for new students of every batch |
|---|

5.2 Efforts made by the institution for tracking the progression

| |
|---|
| Teacher-guardian for every student, Regular feedback to students and parents (during the program) Alumni cell and coordinator, contact via emails (after graduation) Faculty in touch with students regarding their progression |
|---|

5.3 (a) Total Number of students

| UG | PG | Ph.D. | Others |
|----|----|-------|--------|
| 93 | 74 | 38 | 17 |

(b) No. of students outside the state

123

(c) No. of international students

03

| | | | | | |
|-----|----|----|-------|-----|----|
| Men | No | % | Women | No | % |
| | 79 | 32 | | 143 | 68 |

| Last Year | | | | | | This Year | | | | | |
|-----------|----|----|-----|-----------------------|-------|-----------|----|----|-----|-----------------------|-------|
| General | SC | ST | OBC | Physically Challenged | Total | General | SC | ST | OBC | Physically Challenged | Total |
| 203 | 1 | 1 | 0 | 0 | 205 | 214 | 2 | 0 | 6 | 0 | 222 |

Demand ratio 8:1

Dropout % 5

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

NA (planned for future)

No. of students beneficiaries

5.5 No. of students qualified in these examinations

| | | | | | | | |
|-------------|---|-----------|--|------|--|--------|--|
| NET | 2 | SET/SLET | | GATE | | CAT | |
| IAS/IPS etc | | State PSC | | UPSC | | Others | |

5.6 Details of student counselling and career guidance

Students needing counselling are referred to the Student Affairs department of the University

No. of students benefitted

5.7 Details of campus placement

| <i>On campus</i> | | | <i>Off Campus</i> |
|---------------------------------|---------------------------------|---------------------------|---------------------------|
| Number of Organizations Visited | Number of Students Participated | Number of Students Placed | Number of Students Placed |
| | | | |

5.8 Details of gender sensitization programmes

Gender sensitization programme conducted for all staff and faculty during June 2015, at Manipal University, Manipal

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

| | Number of Students | Amount (in lakhs) |
|--|--------------------|-------------------|
| Financial support from institution | 38 | 35.59 |
| Financial support from government | | |
| Financial support from other sources | | |
| Number of students who received International/ National recognitions | | |

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: _____

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision: To be the centre of excellence in basic and biomedical research, education and diagnostics
Mission: to engage in cutting edge research, training, education and offer help to the community in the field of human health

6.2 Does the Institution has a management Information System

Yes

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

Identify current areas of relevance and update the curriculum periodically

6.3.2 Teaching and Learning

Set benchmarks to gauge student learning

6.3.3 Examination and Evaluation

To enhance student graduation rate (target: 1% better than average of three previous batches)

6.3.4 Research and Development

Set measurable targets for projects in cutting edge areas of science, improved publication record in indexed journals

6.3.5 Library, ICT and physical infrastructure / instrumentation

Improve number of books procured in relevant areas of teaching and research

6.3.6 Human Resource Management

Nil

6.3.7 Faculty and Staff recruitment

Nil

6.3.8 Industry Interaction / Collaboration

Promote industry collaborations

6.3.9 Admission of Students

Reduce attrition rate of students
Increase number of applications for every course

6.4 Welfare schemes for

| | |
|--------------|---|
| Teaching | 1 |
| Non teaching | 1 |
| Students | 1 |

6.5 Total corpus fund generated

637.89 lakhs

6.6 Whether annual financial audit has been done Yes No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

| Audit Type | External | | Internal | |
|----------------|----------|--------|----------|-----------|
| | Yes/No | Agency | Yes/No | Authority |
| Academic | Yes | TUV | Yes | Self |
| Administrative | Yes | TUV | Yes | Self |

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

As part of University initiative, onscreen marking for evaluation in practice

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Not applicable

6.11 Activities and support from the Alumni Association

Alumni are updated about activities and opportunities

6.12 Activities and support from the Parent – Teacher Association

Nil

6.13 Development programmes for support staff

Undertaken at University level

6.14 Initiatives taken by the institution to make the campus eco-friendly

Create awareness among students to reduce use of private vehicles inside the campus
Reduce waste generation
Segregated waste disposal system
'Swachch Bharath' campaign initiated

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

Not applicable

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

- Research on contemporary topics of science
- Hands-on, live project for students at all levels
- Specialised diagnostics for public

**Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

7.4 Contribution to environmental awareness / protection

Institution has Environmental Management System (EMS) in place

7.5 Whether environmental audit was conducted? Yes No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

Nil

8. Plans of institution for next year

Sustain existing programs, excel in current academic and research programs, enhance student all round performance, provide coaching for competitive examinations, strive for national/international scholarships, increase outreach activities and programs for societal benefit

Name Dr. TG Vasudevan

Name Dr. K Satyamoorthy

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

_____***_____

Abbreviations:

| | | |
|------|---|--|
| CAS | - | Career Advanced Scheme |
| CAT | - | Common Admission Test |
| CBCS | - | Choice Based Credit System |
| CE | - | Centre for Excellence |
| COP | - | Career Oriented Programme |
| CPE | - | College with Potential for Excellence |
| DPE | - | Department with Potential for Excellence |
| GATE | - | Graduate Aptitude Test |
| NET | - | National Eligibility Test |
| PEI | - | Physical Education Institution |
| SAP | - | Special Assistance Programme |
| SF | - | Self Financing |
| SLET | - | State Level Eligibility Test |
| TEI | - | Teacher Education Institution |
| UPE | - | University with Potential Excellence |
| UPSC | - | Union Public Service Commission |

**SCHOOL OF LIFE SCIENCES
ACADEMIC CALENDAR – 2014-15**

1st Semester, B.Sc. BIOTECHNOLOGY

| Sl. No | Event | Date |
|--------|---|----------------------------|
| 1. | Date of Commencement | July 15, 2014 |
| 2. | Last day for submitting I sessional examination Question paper | August 16, 2014 |
| 3. | I sessional examination | August 22-30, 2014 |
| 4. | Last date for submission of I sessional examination Marks | September 10, 2014 |
| 5. | Last date for submission of 5 sets of university Question paper | September 18, 2014 |
| 6. | Last date for submission of II sessional Examination Question paper | October 04, 2014 |
| 7. | II sessional examination | October 10-18, 2014 |
| 8. | Last date for submission of II sessional examination Marks | October 25, 2014 |
| 9. | Last date for submission of internal assessment marks | November 04, 2014 |
| 10. | University examination | After November 15, 2014 |
| 11. | Vacation | Dec 01, 2014- Jan 01, 2015 |
| 12. | Date of Commencement of II Semester | January 02, 2015 |

3rd and 5th Semester, B.Sc. BIOTECHNOLOGY

| Sl. No | Event | Date |
|--------|--|---------------------------------------|
| 1. | Date of Commencement | July 2, 2014 |
| 2. | Last day for submitting I sessional examination Question paper | August 8, 2014 |
| 3. | I sessional examination | August 18-25 2014 |
| 4. | Last date for submission of I sessional examination Marks | September 3, 2014 |
| 5. | Last date for submission of 5 sets of university Question paper | September 10, 2014 |
| 6. | Last date for submission of II sessional Examination Question paper | September 20, 2014 |
| 7. | II sessional examination | October 10-17, 2014 |
| 8. | Last date for submission of II sessional examination Marks | October 25, 2014 |
| 9. | Last date for submission of internal assessment marks | October 29, 2014 |
| 10. | University examination | After November 15, 2014 |
| 11. | Vacation | Dec 01, 2014- Jan 01, 2015 |
| 12. | Date of Commencement of IV Semester & Date of Commencement of VI Semester | January 02, 2015 December 19, 2014 |

VI Semester, B.Sc. BIOTECHNOLOGY–Casual Batch

| Sl. No | Event | Date |
|--------|---------------------------|--|
| 1. | Date of Commencement | July 10, 2014 |
| 2. | Mid semester presentation | 2 nd week of September 2014 |

| | | |
|----|--|-------------------|
| 3. | Last date for payment of examination fee (subject to change) | November 25, 2014 |
| 4. | Submission of project work | November 29, 2014 |
| 5. | Viva voce examination | December 17, 2014 |

**1st and 3rd Semester, M.Sc. Bioinformatics, M.Sc. Medical Biotechnology, and
M.Sc. Molecular Biology and Human Genetics**

| Sl. No | Event | Date |
|--------|---|------------------------------|
| 1. | Date of Commencement | September 1, 2014 |
| 2. | Last day for submitting I sessional examination Question paper | October 8, 2014 |
| 3. | I Sessional Examination | October 14-20, 2014 |
| 4. | Last date for submission of I sessional examination Marks | October 29, 2014 |
| 5. | Last date for submission of 5 sets of university Question paper | November 15, 2014 |
| 6. | Last day for submitting II sessional examination Question paper | November 26, 2014 |
| 7. | II Sessional Examination | December 2-8, 2014 |
| 8. | Last date for submission II sessional examination Marks | December 17, 2014 |
| 9. | Last date for submission of internal assessment marks | January 15, 2015 |
| 10. | University Examination | After February 2, 2015 |
| 11. | Vacation | After University Examination |
| 12. | Date of Commencement of next Semester | February 24, 2015 |

1st semester PG Diploma in Cellular and Molecular Diagnostics

| Sl. No | Event | Date |
|--------|---|---------------------------|
| 1. | Orientation program at Bengaluru | November 3, 2014 |
| 2. | Date of commencement of classes at SLS | November 5, 2014 |
| 3. | Last day for submitting I sessional examination Question paper | December 15, 2014 |
| 4. | I Sessional Examination | December 22-29, 2014 |
| 5. | Last date for submission of I sessional examination Marks | January 14, 2015 |
| 6. | Last date for submission of university Question paper | January 15, 2015 |
| 7. | Last day for submitting II sessional examination Question paper | February 5, 2015 |
| 8. | II Sessional Examination | February 16-21, 2015 |
| 9. | Last date for submission II sessional examination Marks | February 28, 2015 |
| 10. | Last date for submission of internal assessment marks | April 2, 2015 |
| 11. | University Examination | Second week of April 2015 |
| 12. | Date of commencement of 2 nd semester | May 4, 2015 |

2nd semester PG Diploma in Cellular and Molecular Diagnostics

| Sl. No | Event | Date |
|--------|--|-------------------------------------|
| 1. | Date of Commencement | May 4, 2015 |
| 2. | Last date for submission of application for university examination (subject to change) | October 15, 2015 |
| 3. | Submission of project work | October 20, 2015 |
| 4. | Last date for submission of internal assessment | October 26, 2015 |
| 5. | Viva voce examination | November 1 st week, 2015 |



