

प्रज्ञानं ब्रह्म



Manipal

INSPIRED BY LIFE

# Annual Quality Assurance Report (AQAR)

**2013 -14**

**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)

2013-14

#### 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; 0820-2571925

Name of the Head of the Institution:

Dr. K Satyamoorthy

Tel. No. with STD Code:

0820-2571925

Mobile:

+91 98457 18604

Name of the IQAC Co-ordinator:

Dr. TG Vasudevan

Mobile:

+91 97417 35917

IQAC e-mail address:

iqac.sols@manipal.edu

1.5 Website address:

<http://www.manipal.edu/sls>

**Web-link of the AQAR:**

<http://manipal.edu/sls/about-sls/IQAC/aqar-2013-2014.html>

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 <sup>st</sup> Cycle	B+		2002	5 yrs
2	2 <sup>nd</sup> Cycle				
3	3 <sup>rd</sup> Cycle				
4	4 <sup>th</sup> Cycle				

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

03/06/2013

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	0
PG	3	0	3	0
UG	1	0	1	0
PG Diploma	1	0	0	1
Advanced Diploma	0	0	0	0
Diploma	0	0	0	0
Certificate	1	0	1	1
Others	0	0	0	0
<b>Total</b>	7	0	6	0
Interdisciplinary	3	0	0	0
Innovative		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 21.06.2014 approved revised syllabus of Biology-I: practical paper for I semester B.Sc. Biotechnology course (as per the UGC guidelines substituted animal dissection with new experiments)

##### 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.

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
	1	0	0	0	0	0	1	0	2	0

2.4 No. of Guest and Visiting faculty and Temporary faculty

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	0	4	10
Presented papers	2	4	5
Resource Persons	1	2	2

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

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

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

2.10 Average percentage of attendance of students

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)	27	63	3	0	0	34
MSc (MBT)	15	20	47	0	0	33
MSc (MBHG)	11	28	64	0	0	8
MSc (BI)	5	40	60	0	0	0
PGD (CMD)	12	25	75	0	0	0
Certificate Course (BI)	10	10	50	30	0	10

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	0
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

Applications for external research funding through various agencies  
Conduct of conferences, workshops and symposia

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	5	15	2	40
Outlay in Rs. Lakhs	361.12	554.14	33.51	496.2

#### 3.3 Details regarding minor projects

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

#### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	30	2	0
Non-Peer Review Journals	0	0	0
e-Journals	0	0	0
Conference proceedings	5	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	1-4 years	DBT, DST, ICMR, SERB, BRNS, VGST	915.26	120.42
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	DBT, AISRF, 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	2
	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
12	6	1	2	2	0	1

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

13

35

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

4

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

JRF 14      SRF 7      Project Fellows 14      Any other 26

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 2

NCC 0      NSS 0      Any other 2

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

- INSPIRE-Science camp and National Science Day Residential training program for school students to develop scientific temper
- Students' Forum activities to develop social awareness and soft skills among students
- Refresher Course for College teachers in Bioinformatics concepts
- 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.		20	Institution, DBT, VGST, BTFS grants	20
Value of the equipment purchased during the year (Rs. in Lakhs)		104.03	-do-	104.03
Others			NA	

#### 4.2 Computerization of administration and library

NA
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#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books						
Reference Books	352		8		360	
e-Books						
Journals						
e-Journals	1010		170		1180	
Digital Database						
CD & Video						

Others (specify)							
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#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	131	40	Yes	NA	NA	8	0	83
Added	6	0	Yes	NA	NA	0	0	6
Total	137	40	Yes	NA	NA	8	0	89

#### 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
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#### 4.6 Amount spent on maintenance in lakhs :

i) ICT	0
ii) Campus Infrastructure and facilities	37.7
iii) Equipments	67.21
iv) Others	0
<b>Total :</b>	<b>104.91</b>

### Criterion – V

## 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

Orientation programs conducted for new students
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#### 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)
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#### 5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
88	65	40	12

(b) No. of students outside the state

(c) No. of international students

Men	No	%	Women	No	%
	68	33		137	67

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
224	3	3	0	0	230	203	1	1	0	0	205

Demand ratio 8:1      Dropout % 5

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

No. of students beneficiaries

5.5 No. of students qualified in these examinations

NET	<input type="text" value="1"/>	SET/SLET	<input type="text" value="0"/>	GATE	<input type="text" value="0"/>	CAT	<input type="text" value="0"/>
IAS/IPS etc	<input type="text" value="0"/>	State PSC	<input type="text" value="0"/>	UPSC	<input type="text" value="0"/>	Others	<input type="text"/>

5.6 Details of student counselling and career guidance

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

None

## 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	31	36.91
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: \_\_\_\_\_None\_\_\_\_\_

## 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 more industry collaborations

6.3.9 Admission of Students

Reduce attrition rate of students

6.4 Welfare schemes for

Teaching	1
Non teaching	1
Students	1

6.5 Total corpus fund generated

608.17 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?

Looking at options for reducing paper consumption and onscreen marking for evaluation, through the University

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 kept abreast of activities of alma mater

6.12 Activities and support from the Parent – Teacher Association

Not applicable

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

## 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)

**8. Plans of institution for next year**

Increase number of research proposals  
Strive for national/international funding, scholarships  
Increase outreach activities, promote student forums and interactions  
Reduce student attrition rate, while increasing number of applications for admission

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

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**SCHOOL OF LIFE SCIENCES  
ACADEMIC CALENDAR**

**1<sup>st</sup> year 1<sup>st</sup> semester B.Sc. BIOTECHNOLOGY - 2013 Batch**

Sl. No	Event	Date
1.	Date of Commencement	July 15, 2013
2.	Last day for submitting I sessional examination Question paper	August 17, 2013
3.	I sessional examination	August 22-30, 2013
4.	Last date for submission of I sessional examination Marks	September 10, 2013
5.	Last date for submission 5 sets of university Question paper	September 18, 2013
6.	Last date for submission of II sessional Examination Question paper	October 04, 2013
7.	II sessional examination	October 10-18, 2013
8.	Last date for submission of II sessional examination Marks	October 25, 2013
9.	Last date for submission of internal assessment marks	November 04, 2013
10.	University examination	After November 15, 2013
11.	Vacation	Dec 01, 2013- Jan 01, 2014
12.	Date of Commencement of II Semester	January 02, 2014

**2<sup>nd</sup> year 3<sup>rd</sup> Semester B.Sc. BIOTECHNOLOGY – 2012 Batch**

Sl. No	Event	Date
1.	Date of Commencement	July 2, 2013
2.	Last day for submitting I sessional examination Question paper	August 8, 2013
3.	I sessional examination	August 16-23, 2013
4.	Last date for submission of I sessional examination Marks	September 3, 2013
5.	Last date for submission 5 sets of university Question paper	September 10, 2013
6.	Last date for submission of II sessional Examination Question paper	September 20, 2013
7.	II sessional examination	October 10-17, 2013
8.	Last date for submission of II sessional examination Marks	October 25, 2013
9.	Last date for submission of internal assessment marks	October 29, 2013
10.	University examination	After November 15, 2013
11.	Vacation	Dec 01, 2013- Jan 01, 2014
12.	Date of Commencement of IV Semester	January 02, 2014

**3<sup>rd</sup> year 5<sup>th</sup> Semester B.Sc. BIOTECHNOLOGY – 2011 Batch**

Sl. No	Event	Date
1.	Date of Commencement	July 2, 2013
2.	Last day for submitting I sessional examination Question paper	August 8, 2013
3.	I sessional examination	August 13-21, 2013
4.	Last date for submission of I sessional examination Marks	August 30, 2013
5.	Last date for submission 5 sets of university Question paper	September 5, 2013
6.	Last date for submitting II sessional examination question paper	September 20, 2013
7.	II sessional examination	September 28–October 6, 2013
8.	Last date for submission of II sessional examination Marks	October 19, 2013
9.	Mini Project Presentation	October 24, 2013
10.	Last date for submission of internal assessment marks	October 25, 2013
11.	University examination	After November 5, 2013
12.	Vacation	November 21 to December 18, 2013

13.	Date of Commencement of VI Semester	December 19, 2013
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### 3<sup>rd</sup> year 6<sup>th</sup> semester B.Sc. BIOTECHNOLOGY –Casual Batch

Sl. No	Event	Date
1.	Date of Commencement	July 10, 2013
2.	Mid semester presentation	2 <sup>nd</sup> week of September 2013
3.	Last date for payment of examination fee (subject to change)	November 25, 2013
4.	Submission of project work	November 30, 2013
5.	Viva voce examination	December 17, 2013

### I Year 1<sup>st</sup> Semester M.Sc. Bioinformatics, M.Sc. Medical Biotechnology, M.Sc. Molecular Biology and Human Genetics

S.No	Event	Date
1.	Date of Commencement	September 2, 2013
2.	Last day for submitting I sessional examination Question paper	October 1, 2013
3.	I Sessional Examination	October 07-11, 2013
4.	Last date for submission I sessional examination Marks	October 17, 2013
5.	Last date for submission 5 sets of university Question paper	November 5, 2013
6.	Last day for submitting II sessional examination Question paper	November 15, 2013
7.	II Sessional Examination	November 19-23, 2013
8.	Last date for submission II sessional examination Marks	November 30, 2013
9.	Last date for submission of internal assessment marks	December 10, 2013
10.	University Examination	After December 20, 2013
11.	Vacation	January 1 - January 31, 2014
12.	Date of Commencement of 2 <sup>nd</sup> Semester	February 2, 2014

### II year M.Sc. Medical Biotechnology, M.Sc. Molecular Biology & Human Genetics

S.No	Event	Date
1.	I Session start from	August 1 2013
2.	I Sessional Examination	September 26-28, 2013
3.	Last date for submission I sessional examination Marks	October 10, 2013
4.	II Session start from	October 1, 2013
5.	Project work	October 1, 2013 to May 15, 2014
6.	Mid term project presentation	March 3 & 4, 2014
7.	Project submission	May 31, 2014
8.	II Session Examination	June 05-07, 2014
9.	Last date for submission II sessional examination Marks	June 12, 2014
10.	Last date for submission of Internal Assessment Marks	June 14, 2014
11.	University Examination (Annual)	After June 20, 2014
12.	Project viva voce	After University Examination

### II year M.Sc. Bioinformatics - 3<sup>rd</sup> Semester

S.No	Event	Date
1.	Date of Commencement	August 1, 2013
2.	Last day for submitting I sessional examination Question paper	September 2, 2013
3.	I Sessional Examination	September 06-10, 2013
4.	Last date for submission I sessional examination Marks	September 17, 2013
5.	Last date for submission 5 sets of university Question paper	October 5, 2013
6.	Last day for submitting II sessional examination Question paper	October 15, 2013
7.	II Sessional Examination	October 22-28, 2013
8.	Last date for submission II sessional examination Marks	November 5, 2013
9.	Last date for submission of internal assessment marks	November 20, 2013

10.	University Examination	After December 5, 2013
11.	Vacation	December 15, 2013 - January 14, 2014
12.	Date of Commencement of 4 <sup>th</sup> Semester	January 15, 2014

### 1<sup>st</sup> semester PG Diploma in Cellular and Molecular Diagnostics – 2013 Batch

Sl. No	Event	Date
1.	Orientation program at Bengaluru	September 26, 2013
2.	Date of commencement of classes at SLS	September 28, 2013
3.	Last day for submitting I sessional examination Question paper	October 31, 2013
4.	I Sessional Examination	November 6-11, 2013
5.	Last date for submission of I sessional examination Marks	November 20, 2013
6.	Last date for submission of University Question paper	November 26, 2013
7.	Last day for submitting II sessional examination Question paper	November 30, 2013
8.	II Sessional Examination	January 8-12, 2014
9.	Last date for submission II sessional examination Marks	January 25, 2014
10.	Last date for submission of internal assessment marks	February 7, 2014
11.	University Examination	First week of March 2014
12.	Date of commencement of 2 <sup>nd</sup> semester	March 26, 2014

### 2<sup>nd</sup> semester PG Diploma in Cellular and Molecular Diagnostics - 2013 Batch

Sl. No	Event	Date
1.	Date of Commencement	March 26, 2014
2.	Last date for submission of application for university examination (subject to change)	September 20, 2014
3.	Submission of project work	September 30, 2014
4.	Last date for submission of internal assessment	October 10, 2014
5.	Viva voce examination	October 4 <sup>th</sup> week, 2014

### I year, II Semester B.Sc. Biotechnology

Sl. No	Event	Date
1.	Date of Commencement	January 2, 2014
2.	Last day for submitting I sessional examination Question paper	February 7, 2014
3.	I sessional examination	February 20-25, 2014
4.	Last date for submission of I sessional examination Marks	March 4, 2014
5.	Last date for submission of university Question paper	March 11, 2014
6.	Last date for submission of II sessional Examination Question paper	April 8, 2014
7.	II sessional examination	April 9-14, 2014
8.	Last date for submission of II sessional examination Marks	April 21, 2014
9.	Last date for submission of internal assessment marks	May 6, 2014
10.	University examination	Third week of May, 2014
11.	Vacation	After university examination
12.	Date of Commencement of III Semester	July 2, 2014

### II year, IV Semester B.Sc. Biotechnology

Sl. No	Event	Date
1.	Date of Commencement	January 2, 2014
2.	Last day for submitting I sessional examination Question paper	February 7, 2014
3.	I sessional examination	February 20-25, 2014

4.	Last date for submission of I sessional examination Marks	March 4, 2014
5.	Last date for submission of university Question paper	March 11, 2014
6.	Last date for submission of II sessional Examination Question paper	April 8, 2014
7.	II sessional examination	April 9-14, 2014
8.	Last date for submission of II sessional examination Marks	April 21, 2014
9.	Last date for submission of internal assessment marks	May 6, 2014
10.	University examination	Third week of May, 2014
11.	Vacation	After university examinations
12.	Date of Commencement of V Semester	July 2, 2013

### III year, VI Semester, B.Sc. Biotechnology

Sl. No	Event	Date
1.	Date of Commencement	December 19, 2013
2.	Mid semester presentation	Third week of March 2014
3.	Submission of Project work	May 24, 2014
4.	University Viva Voce Examination	Third week of June 2014

### I year, II Semester M.Sc. Bioinformatics, M.Sc. Medical Biotechnology and M. Sc. Molecular Biology and Human Genetics

Sl. No	Event	Date
1.	Date of Commencement	February 24, 2014
2.	Last day for submitting I sessional examination Question paper	March 28, 2014
3.	I Sessional Examination	April 7-12, 2014
4.	Last date for submitting university Question paper	April 24, 2014
5.	Last date for submission I sessional examination Marks	April 26, 2014
6.	Last day for submitting II sessional examination Question paper	May 17, 2014
7.	II Sessional Examination	May 26-31, 2014
8.	Last date for submitting II sessional examination Marks	June 14, 2014
9.	Last date for submitting internal assessment marks	July 10, 2014
10.	University Examination	Fourth week of July 2014
11.	Vacation	After university examinations
12.	Date of Commencement of 3 <sup>rd</sup> Semester	September 01, 2014

### II year, IV Semester, M.Sc. Bioinformatics

Sl. No	Event	Date
1.	Date of Commencement	January 15, 2014
2.	Mid semester presentation	First week of April 2014
3.	Project submission	June 24, 2014
4.	University project viva voce Examination	July 15, 2014



