

Annual Quality Assurance Report

(AQAR)

Submitted by

Charutar Vidyamandal's

**Ashok & Rita Patel Institute of Integrated Study and Research in
Biotechnology & Allied Sciences
(ARIBAS)**

(Affiliated to Sardar Patel University)

Vallabh Vidyanagar-388120, Gujarat

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Principal : Dr. Nilanjan Roy

Co-ordinator : Dr. Shilpa Gupte

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To,
The Director
NAAC
P.O. Box. 1075
Opp. NLSIU, Nagarbhavi,
Baglore-560072
Karnataka

Sub: Submission of Second AQAR report

Ref: Track Id.: GJCOGN17123

Dear Sir,

We herewith submit the softcopy of second AQAR of academic year 2015-16. The NAAC peer team visited our institute on 1st, 2nd, and 3rd April 2014.

Thanking You,

Yours Sincerely,

Nilanjan Roy
Head, ARIBAS

Shilpa Gupte
Co-ordinator IQAC

The Annual Quality Assurance Report (AQAR) of the IQAC
(Academic Year June 2015-July 2016)

Part – A

1. Details of the Institution

1.1 Name of the Institution

Ashok and Rita Patel Institute of Integrated Study and Research in Biotechnology and Allied Sciences, ARIBAS

1.2 Address Line 1

ADIT campus, New VallabhVidyanagar-388121,

Address Line 2

New VallabhVidyanagar-388121

City/Town

Anand,

State

Gujarat

Pin Code

388121

Institution e-mail address

head@aribas.edu.in

Contact Nos.

+91 2692 645801/ +91 2692 229189

Name of the Head of the Institution:

Dr. Nilanjan Roy

Tel. No. with STD Code:

+91 2692 645801/ 229189

Mobile:

09737627950

Name of the IQAC Co-ordinator:

Dr. Shilpa A. Gupte

Mobile:

09723810919

IQAC e-mail address:

shilpagupte@aribas.edu.in

1.3 NAAC Track ID (For ex. MHCOGN 18879)

GJCOGN17123

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

EC(SC)/01/A7A/075

1.5 Website address:

www.aribas.edu.in

Web-link of the AQAR:

<http://www.aribas.edu.in/AQAR2015-16.doc>

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	A	3.01	2014	5 yrs
2	2 nd Cycle				
3	3 rd Cycle				
4	4 th Cycle				

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

05/03/2013

1.8 AQAR for the year (for example 2010-11)

2015-16

1.9 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 2014-15 submitted to NAAC on 28-03-2015

ii. AQAR 2015-16 submitted to NAAC on 30-03-2016

iii. AQAR _____ (DD/MM/YYYY)

iv. AQAR _____ (DD/MM/YYYY)

1.10 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

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

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

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

Autonomy by State/Central Govt. / University

University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

DST

UGC-Innovative PG programmes

Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

2.2 No. of Administrative/Technical staff

2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

2.6 No. of any other stakeholder and
community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

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

2.14 Significant Activities and contributions made by IQAC

1. Certain corrective measures were made for the improvement in academic standard as well as in internal evaluation process
2. Effective efforts were made by all faculty members to improve the student's strength of the institute and for the same following activities have been conducted over the year.
 - **INSPIRE Internship Camp** sponsored by DST, New Delhi was conducted for five days for Standard XI science students from schools of Anand, Vidyanagar, Nadiad, Borsad, Godhara, Ahemdabad and Baroda from 28th Nov to 2nd Dec'2016. Total 180 students participated in it.
 - ARIBAS was selected as **BT-Capacity Building cell (PG-BT-CBC)** by **GSBTM, Gandhinagar**. To provide them guidance for the competitive exams, the cell has organized CSIR-NET Crash Course two times (22nd to 26th May '2015 and 1st to 5th December '2015 for students from all over Gujarat. Total 71 students participated in it.
 - **Personal counseling in schools & in Colleges:** Total 810 school students and 120 college students were counseled and visited the institute.
 - **Training at ARIBAS:** In total 100, B. Sc. Students attended different workshops and received hands on training on Bioinformatics Tools, Molecular biology and general analytical techniques used in the industry.
3. Internal IQAC audit of teaching and non-teaching staff was done for verification and updation of the documents.
4. Steps were taken to strengthen physical & digital library content.
5. Faculty have submitted total 15 Major and 7 Minor research proposals in various funding agencies.
6. Proposal submitted to Ministry of Industries & Mines Department of Govt. of Gujarat under "Scheme for Enhancement of Technical Competence and Manpower" of Centre for Entrepreneurship Development (CED).

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 2015-16.

Plan of Action	Achievements
Efforts for improvement in academic standard	<p>Academic calendar was prepared for both the semesters and all activities were run as per plan.</p> <p>Centralized time-table was prepared in terms of well define theory and modular practical schedule.</p> <p>Online teaching plan & protocols were available to students.</p> <p>Online system was developed for student's attendance as well as for internal marks display.</p> <p>For all the students of all M.Sc courses, starting from Semester I, seminar presentation is compulsory from good quality research paper downloaded from Pubmed Central; the student has to present it in front of the whole class which has been evaluated by at least three faculty members.</p> <p>The evaluation of dissertation, undertaken by final semester students, is done in three stages i.e. Project proposal evaluation by examiners in open seminar, mid- term evaluation in the form of poster presentation and final thesis evaluation and presentation. Research methodology workshops are regularly conducted for the final year students.</p>
Initiatives towards increase in student's strength of the institute	<p>Admission counselling committee was formed and direct Counselling to students pattern was adapted, visited many schools & colleges were visited within & outside the state. Prospectus & Leaflet of the institute were updated and circulated for display purpose. Different workshop, seminar & training programmes were organized time to time to orient students towards science</p>
Internal IQAC audit	<p>Internal IQAC audit of teaching and non-teaching staff r documents verification was done once in year</p>
Steps to strengthen physical & digital library content.	<p>To strengthen the physical library contents new 74 books were purchased. With incorporation of teaching plan, protocols of practical, new e-books, and thesis, Dspace content was enriched.</p>
Research Activity	<p>To enhance the research status of the institute total 15 Major projects worth Rs. 367.61lakhs and 7 Minor</p>

	projects worth Rs.50.68 lakhs were submitted in various funding agencies.
Emphasize on entrance exam preparation activity	To develop research aptitude of the students, NET/SLET guidance cell was developed. Moreover, institute received financial support for conduction of workshop sponsored by GSBTM for the students interested for National Eligibility Test exams
Conduction of DST sponsored Science Camp under INSPIRE programme	Organization of DST sponsored Science Camp under INSPIRE programme 28 th Nov to 2 nd Dec'2016. Total 180 students participated in it and again the institute submitted application in DST.
Proposal submitted to Ministry of Industries & Mines Department of Govt. of Gujarat.	Proposal submitted to Ministry of Industries & Mines Department of Govt. of Gujarat under "Scheme for Enhancement of Technical Competence and Manpower" of Centre for Entrepreneurship Development (CED) for setting up of Anchor Institute at ARIBAS. The project aims to produce industrially useful man power through training. Other institute will act as nodal Institute.

*** Attach the Academic Calendar of the year 2015-16 as Annexure : I**

2.16 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Every major issues and decisions need approval from the Management CVM Council in during last academic year following matters were considered.

1. Steps were taken to strengthen physical & digital library content
2. Efforts were made to improve in academic standard
3. Initiatives were taken towards increase in student's strength of the institute
4. Emphasize was given on entrance exam preparation activity especially for National Eligibility Test exams sponsored by GSBTM.
5. DST sponsored Science Camp under INSPIRE programme was organized.
6. Proposal submitted to Ministry of Industries & Mines Department of Govt. of Gujarat under "Scheme for Enhancement of Technical Competence and Manpower" of Centre for Entrepreneurship Development (CED).

7. Ministry of Human Resource and Development of India have initiated the ranking of all the Indian universities through the National Institutional Ranking Framework (NIRF) based on Teaching & Learning Resources, Research, Professional competence, Social outreach activities etc. Institute has offered itself for evaluation and getting ranked.

Part – B

Criterion – I

1. 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	09	Nil	09	Nil
PG	05	01 M.Sc. Forensic Science	06	Nil
UG	Nil	Nil	Nil	Nil
PG Diploma	Nil	Nil	Nil	Nil
Advanced Diploma	Nil	Nil	Nil	Nil
Diploma	Nil	Nil	Nil	Nil
Certificate	Nil	Nil	Nil	Nil
Others	Nil	Nil	Nil	04
Total	14	01	15	04

Interdisciplinary	Nil	01 M.Sc. Forensic Science	01	00
Innovative	Nil	Nil	Nil	04

			<p>1.Organized DST, New Delhi sponsored 5d INSPIRE Internship Camp for Standard XI science students from schools of Anand, Vidyanagar, Nadiad, Borsad, Godhara, Ahemdabad and Baroda from 28th Nov to 2nd Dec'2016. Total 180 students participated in it.</p> <p>2.Organized twice (22nd to 26th May '2015 and 1st to 5th December '2015) GSBTM, Gandhinagar sponsored 5d CSIR-NET Crash Course for students from all over Gujarat. Total 71 students participated in it.</p> <p>3.PersonalityDevelopment Program for all M.Sc Courses students.</p> <p>4.Research Methodology Workshop for dissertation students; mock interview.</p> <p>Proposals submitted</p> <ul style="list-style-type: none"> • Proposal submitted to DST, New Delhi for DST-Inspire Summer Camp-2016. • Proposal submitted to GSBTM Sponsored Crash Course for State and National level Examinations-2016. • Proposal submitted to Ministry of Industries &
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				<p>Mines Department of Govt. of Gujarat under “Scheme for Enhancement of Technical Competence and Manpower” of Centre for Entrepreneurship Development (CED) for setting up Anchor Institute at ARIBAS. The project aims to produce industrially useful man power through training.</p>
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1.2 (i) Flexibility of the Curriculum: CBCS/Elective option

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	06
Trimester	-
Annual	-

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

Analysis attached as Annexure II, III & IV

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

The restructuring of M. Sc. Integrated Biotechnology program is under consideration in the university. Presently, the course is of five and a half years with no lateral exit or entry after 6th semester (equivalent to graduation). The proposal is about reducing the duration of the course from five and a half years to five years and to allow for lateral exit and entry after 6th semester. The new program will be dual degree program. If the proposal gets through then syllabus revision will be done. For this a university level core committee has been constituted, Dr. Nilanjan Roy, Director ARIBAS is one of the committee members.

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

A new course on M. Sc. Forensic Science program (04 Semesters course, CBCS) has been approved by Sardar Patel University. The university syllabus is adopted as such.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty:

Total	Asst. Professors	Associate Professors	Professors	Others
26	21	04	01	---

2.2 No. of permanent faculty with Ph.D.: 23

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
00	00	00	00	00	00	01	00	00	00

2.4 No. of Guest and Visiting faculty and Temporary faculty

00	00	00
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2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	00	02	00
Presented papers	16	19	00
Resource Persons	00	06	00

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

Following innovative processes adopted by the institution to enhance academic performance:

- Seminar presentation is compulsory from good quality research paper downloaded from Pubmed Central; the presentation is delivered by the student in front of the whole class which has been evaluated by at least three faculty members.
- Evaluation of M.Sc. Dissertation thesis is made stream line. The evaluation of dissertation, undertaken by final semester students, is done in three stages i.e. Project proposal evaluation by examiners in open seminar, mid- term evaluation in the form of poster presentation and final thesis evaluation and presentation.
- Research methodology workshops are regularly conducted for the final year students.
- As per decentralization of external practical examination by Sardar Patel University since October, 2015, all external practical examinations including Comprehensive viva-voce and dissertation thesis evaluation need to be conducted at institutional level.
- Centralized time-table was prepared with well define theory and modular practical schedule. This time table is made online on institutional website.
- To regularize and to monitor student attendance, online attendance monitoring system is followed even in this year. Attendance of practical is also made online besides student profile, attendance, result, counselor details.

- From this year, Institutional examination results are made online and that will be accessed by both students and their parents from places other than institute.
- Online teaching plan is prepared and syllabus is linked with physical and digital library resources.
- This year, with financial assistance from GSBTM, Ghandhinagar, ARIBAS has organized five days crash course on CSIR NET twice where in 80 students were trained in toto.
- ARIBAS also organized INSPIRE internship camp to bring awareness among science students for various government schemes to shape up their carrier. Institute was financially supported by DST New Delhi and total 182 students were benefited.
- To promote and evaluate research proposals for extra mural funding, committee has been formed centrally by the management of the institute and named CORE. Three of our faculty members are members of this central committee and it has started functioning. Many projects have been evaluated and recommended for submission centrally among sister institutes.
- E-resources have centralized laboratory protocols and are updated as per current semesters.
- To strengthen the physical library contents 58 books were purchased this year. The current physical library content is Books: 5275, Journals: 16, Magazine : 07, Dissertation Thesis : 1281, CDs : 231.
- D-space content was timely enriched and updated.
- A new video lecture library covering all delivered lectures during crash course on CSIR NET is created.

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

144

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

We have opted standardized exam schedule in following terms

- Quiz after one unit
- Midterm internal exam after two units
- Final after four units
- Evaluation of M.Sc. Dissertation thesis is made stream line. The evaluation of dissertation, undertaken by final semester students, is done in three stages i.e. Project proposal evaluation by examiners in open seminar, mid- term evaluation in the form of poster presentation and final thesis evaluation and presentation.
- Sardar Patel University has decentralized the external practical examination. Since October, 2015, all external practical examinations including comprehensive viva-voce and dissertation thesis evaluation and presentation are conducted by Institutional examination committee.

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

Faculty members involved in curriculum restructuring/revision/syllabus development	01
Member of Board of Study	07
Member of Senate	02

2.10 Average percentage of attendance of students

75

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction	I %	II %	III %	Pass %
M.Sc. Integrated Biotechnology	432	154	170	66	40	99.98%
M.Sc. Microbiology	4	0	3	0	1	100%
M.Sc. Biotechnology	11	2	4	0	5	100%
M.Sc. Genetics	7	2	2	3	0	100%
M.Sc. Pharmaceutical Chemistry	3	2	1	0	0	100%

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

Before new academic year starts, IQAC conduct a meeting with teaching & non-teaching staff members. To improve the academic performance of students and faculty new strategies are planned out and tried to be implemented in the semester. New innovative practices are introduced for teaching-learning and evaluation. Corrective measures are also implemented in administration as per the suggestion of the HOD and academic committee. Moreover, IQAC constantly keeps an eye on adherence to the time schedule for completion of the syllabus, quizzes, seminar, and examinations. IQAC regularly take feedback of different stock holders, i.e. students, alumni, parents etc. Faculty performance is also evaluated by the students and academic growth is yearly monitored by the management. IQAC take all corrective measures time to time.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	04
UGC – Faculty Improvement Programme	00
HRD programmes	00
Orientation programmes	00
Faculty exchange programme	00
Staff training conducted by the university	04
Staff training conducted by other institutions	00
Summer / Winter schools, Workshops, etc.	01
Others	00

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	06	00	00	00
Technical Staff	29	00	00	00

Criterion – III

3. Research, Consultancy and Extension

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

- For all the students of all M.Sc courses, starting from Semester I, seminar presentation is compulsory from good quality research paper downloaded from Pubmed Central; the student has to present it in front of the whole class which is evaluated by at least three faculty members.
- The evaluation of dissertation, undertaken by final semester students, is done in three stages i.e. Project proposal evaluation by examiners in open seminar, mid- term evaluation in the form of poster presentation and final thesis evaluation and presentation. Panel of evaluators is same at all the three stages to monitor progression. Research methodology workshops are regularly conducted for the final year students.
- At Institutional level, Departmental Research Committee is framed to monitor and regulate research associated work, involved in the conduction of PhD coursework and to monitor progress of doctoral research six monthly.
- In order to promote research CVM has created Consortium of Research Enhancement (CORE). The aim of the CORE is to promote research, encourage interdisciplinary approach and inter-institute research, to guide and screen projects, check plagiarism. Three representative members of ARIBAS are part of CORE. During current year seven research proposals were screened before CORE and they were approved by the CORE subcommittee i.e. Biosciences.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	3	4	--	15
Outlay in Rs. Lakhs	61.90	102.04	--	367.61

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	--	1	2	7
Outlay in Rs. Lakhs	--	4.0	6.00	50.68

3.4 Details on research publications

	International	National	Others
Peer Review Journals	40	11	1
Non-Peer Review Journals	--	--	5
e-Journals	--	--	2
Conference proceedings	1	1	--

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 (Lakhs Rs.)	Received (Rs.)
Major projects	3 years	UGC	16.70	10.00
	2 years	DST	8.726	4.363
	3 years	GSBTM	17.93	12.05
	3 years	DBT	49.26	24.67
	3 years	GSBTM	17.49	2.49
	2 years	DBT (RGYI)	9.41	-----
Minor Projects	2 years	UGC	4.00	2.75
Interdisciplinary Projects	--	--	--	--
Industry sponsored	--	--	--	--
Projects sponsored by the University/ College	2015-16	CVM	9.2	9.2
Students research projects (other than compulsory by the University)	--	--	--	--
Any other(Specify)	--	--	--	--
Total			132.716	65.523

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	Nil	Nil	Nil	Nil	Nil
Sponsoring agencies					

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

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	NIL
	Granted	
International	Applied	
	Granted	
Commercialised	Applied	
	Granted	

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
02	00	02	00	00	00	00

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

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

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

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
National level International level

3.22 No. of students participated in NCC events: University level State level

National level International level

3.23 No. of Awards won in NSS:

University level State level
National level International level

3.24 No. of Awards won in NCC:

University level State level
National level International level

3.25 No. of Extension activities organized

University forum College forum
NCC NSS Any other

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

- Under Gyan forum: 06 motivational and scientific lectures and Research Methodology Workshop for 96 M. Sc. students were organised. Yoga day was also celebrated under the same banner on 23rd June 2015.
- Scintifiq Club, Red Ribbon Club of ARIBAS and C.C. Patel Community Science Centre, Sardar Patel University jointly organized SCIENTIFIQ & RRC-2016 event. Total 114 students participated in different events like Quiz competition, Poster competition, Idea Presentation and Bio-rangoli.

- SWAN club organized "LET US ADOPT" a plant adaptation programme, in which faculties and students adopted more than 80 plants.
- On World Photography Day, 19th August 2015, SWAN club organized "Photography Competition" on theme "Biodiversity of Gujarat". 18 students from different colleges like V. P. Science College, IICP, Charusat. Changa, SMID and IIET Dharmaj participated in the event.
- RRC Club organized blood donation camp and activities related to AIDS awareness
- NSS organised Thalassemia Check up Camp in association with Indian Red Cross Society and free health Check up Camp for all students who enrolled in the June 2015 was organized in association with G.J Patel Ayurvedic Hospital.

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	160,000Sq.ft &16,776sq.ft Built up area + Girls Gymkhana (for hostel girls)	--	CVM	160,000 Sq.ft
Class rooms	14	--	CVM	14
Laboratories	31	--	CVM	31
Seminar Halls	06 + 1	--	CVM	06 + 01 (auditorium)
No. of important equipments purchased (\geq 1-0 lakh) during current year.	---	1. Horizontal electrophoresis unit with Power supply (Combo pack). 2. Humidity growth Chamber 3. Cooling centrifuge	DST INSPIRE UGC DST	03 units 01 01
Value of the equipment purchased during the year (Rs. in Lakhs)	---	2,25,000/- 1,80,000/- 4,80,000/-	DST UGC DST	8,85,000/-
Others	--	--	--	--

4.2 Computerization of administration and library

- Digitalization of attendance, marks, practical protocols etc. updated.
- Digitalized Books for easy reference as study material.
- Bar-coding of all books in Library is completed.
- NET-SLET and other competitive examination reference materials are made available on line and updated regularly and new materials added.
- Internal and external examination question papers are uploaded regularly.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	5211	28,72,562/-	64	31,437/-	5275	29,03,999/-
Reference Books	668	--	10	--	678	----
e-Books	512	5000/-	12 +7000 (N-list Database)	---	7524	5275/-
Journals	23	34,189/-	20	30,409/-	20	30,409/-
e-Journals	--	-	--	-	--	-
Digital Database	--	--	Lab. Practical protocols digitalized and updated		--	--
CD & Video	128	--	90	--	212	--
Others (specify)	1175	--	90	--	1259	--
*Dissertation Thesis						
*Research Articles	281	--	--	--	281	--
*Video Lectures	1800	--	--	--	1800	--
*Presentations	--	--	68	--	68	--
*Uni.Question Papers	41	--	42	--	83	--
	Total					29,39,683/-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart- ments	Others
Existing	113	01	01	01	03	01	06	--
Added	06 Lap- tops	--	--	--	--	03	--	--
Total	119	01	01	01	03	04	06	--

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

- **Work-shop** on Basic Molecular Biology and Bioinformatics was conducted for undergraduate students of VP & RPTP Science College and total 40 students along with two faculty members have participated for the same.
- **Hands on training** on UV Visible Spectrophotometer, GC, HPLC and Fermenter were conducted for undergraduate students of NV Patel College of pure and applied science and VP & RPTP Science College. Total 25 students have participated for the same.
- **GSBTM** Sponsored five days **CRASH COURSE on NET** preparation for the graduate students of Gujarat. Total 40 students attended.
- Faculty underwent two months project **training** on “Chemo-proteomic analysis to understand Drug induced resistance development in H357 cell line” at **ICGEB, New Delhi.**
- Five days **INSPIRE INTERN SHIP** programme for the science students of **XI and XII** classes to make them aware of basic sciences sponsored by **Department of Science and Technology, Govt. of India** (215 registered and 180 attended)

4.6 Amount spent on maintenance in lakhs :

i) ICT	4, 55,664/-
ii) Campus Infrastructure and facilities	1, 25,780/-
iii) Equipments	41,629/-
iv) Others	2,230/-
Total :	6, 25,303/-

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Through the head of the institute and administrative staff members, newly admitted students are assisted for getting different government scholarships. In reference to that good no. of students belong to SC/ST, OBC and minority have received such scholarship every year. Moreover, the single girl in the family has availed Single girl child scholarship and Merit holder students received INSPIRE fellowship for higher studies.
- To provide guidance and assistance to the students for different competitive exams, GSBTM sponsored NET crash courses were conducted twice in the year and where apart from outsider students, in-house students also get benefitted.
- A huge video lecture library covering all major biotech content is created. This library also contain separate module for CSIR-NET preparation, which will benefit the students for competitive exam preparation.
- D-space content was enriched with incorporation of teaching plan, new e-books, and thesis.

5.2 Efforts made by the institution for tracking the progression

- Institute believes and emphasize on regular attendance in theory and practical sessions. To keep the track of the students, online attendance system has been developed. Attendance can be monitored by the head of the institute as well as by all the faculty members. In addition to that for any planned leave students have to take permission from the concern counsellor. If any student remained absent for consecutively for three days without permission, letter will be send to the parents regarding their wards absentees.
- For every 30 students one counsellor is appointed who constantly keeps an eye on academic performance of the students and as per requirement, provides guidance and motivation to the students to improve their performance and record.
- As per academic schedule after each unit of the paper, quiz is conducted. On the basis of student performance each faculty can get the idea of different student ability and understanding of the topic. Subject relevant faculty also provide guidance to the poor performers.
- Every year institute organizes the Parents Teacher Meet and faculty members share the details of their ward's attendance, class interaction and academic performance. As the Internal marks are also available on line, parents and faculty can keep/track the internal performance of the students.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
-	456	22	-

(b) No. of students outside the state

02

(c) No. of international students:

NIL

No	%
154	32

Men

No	%
324	88

Women

Last Year-2014-15						This Year 2015-16					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total
437	18	12	48	NIL	515	389	17	15	57	00	478

Demand ratio

Dropout %

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

- This year ARIBAS has been recognized as a centre for BT- Capacity Building cell (PG-BT-CBC) by Gujarat state biotechnology Mission. PG-BT CBC organised CSIR NET crash course two weeks before NET examination. Model question papers are solved by the experts and some tricky ideas are discussed by them. Relevant literature is provided to all registered students and on line video of experts lectures are also made public.
- ARIBAS e- library also contains separate modules for CSIR-NET, GATE preparation, which can be useful to the students enormously.

No. of students beneficiaries

80

5.5 No. of students qualified in these examinations

NET	5	SET/SLET	00	GATE	2	CAT	00
IAS/IPS etc	00	State PSC	00	UPSC	00	Others	00

5.6 Details of student counselling and career guidance

- An effective student counselling system has been developed by the institute. For every 30 student's one faculty is appointed as a counsellor.
- To monitor counselling system, one head counsellor is appointed per three counsellors.
- For the development of student personality and career guidance, institute provides platform to the students for interviews in collaboration with CDC Centre, CVM, V.V.Nagar and collaboration with Globarina Pvt. Ltd.
- Institute has proactive Career Counselling Cell (C-cube) and Alumni Association of ARIBAS (A-cube) and students are asked for online registration.
- Alumni meet was organized by ARIBAS on 27th Feb 2016. During Alumni meet, panel discussion was organized with alumni from different fields viz Academic (Teaching or Research), Industry, Entrepreneur, where the present students discussed their queries with the alumni members.
- Exhibition of paintings of one of the Alumnus Tirthrajsinh Jhala of M. Sc. Biotechnology was organized. Dr. Kanubhai Patel renowned artist & Principal of CVM college of Fine Arts was the chief guest of the event.

No. of students benefitted 87

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
Nil	Nil	Nil	30

From 2014-15 passed out batch of M.Sc. IGBT, 28 students are working in different pharmaceutical / Biotechnology based companies; 04 students have opted for higher studies in India or abroad and 02 students became entrepreneurs

5.8 Details of gender sensitization programmes

Women Cell of ARIBAS has organized a Health awareness program for girl students of ARIBAS on 14th October 2015 under the supervision of Dr Jasmine Gujrathi, **Stri Roga and Prasuti Tantra S.G. Patel Ayurvedic Hospital**. The main aim of program was to create awareness about Health related issues among young girls.

RUSA Project Approval Board, New Delhi, approved amount of **Rs. 3,87,596** under Component 9,Equity Initiatives”, for ARIBAS for 2014-17, under the 12th Plan Period (2012-17).

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
Financial support from institution		
Financial support from government	49	11,23,000
Financial support from other sources	02	8,38,600
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: Nil

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

The emblem of ARIBAS consists of DNA Flanked by two letters B & T, which represents biotechnology. The motto of the institute, DNA meaning do nothing average. Together the emblem represents research excellence in biotechnology.

Vision: ARIBAS aspires to be a global landmark of intellectual excellence. The institute embodies the passion for research and quality education, at undergraduate, post graduate and doctorate level in the field of applied sciences. It adopts a comprehensive approach to create resourceful and conducive environment for students to acquire discerning skills pertinent for the pursuit of knowledge integrity and freedom.

Mission: Established in 21st century, ARIBAS infuse the strengths of the experimental learning with research centred spirit, its principal aim is to earn peer and public appreciation and fulfil the academic, economic and professional expectation of state national and international communities.

6.2 Does the Institution has a management Information System

Yes, Institute has very transparent management system.

Management is headed by Chairman, with support of secretaries and joint secretaries. Management holds meetings with director and staff members to evaluate policy matters and implementation of plans.

Head of institute holds regular meetings with Head's of the Departments, faculties, Technical staff, administrative staff, and research scholars to discuss and form new strategies for various institutional program.

Faculty: The institute adopts the policy of monthly meeting with HODS and teaching staff for the proper coordination of institutional policies matters, difficulties faced by faculty in academic, research and other ventures.

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

6.3.1 Curriculum Development

A new course, M.Sc. in Forensic Sciences has been approved by Sardar Patel University, Vallabh Vidyanagar. Our Institute is going to start this course from June, 2016.

BOS of Biosciences, Sardar Patel University has made Core Committee for revision of higher semester syllabus. Institute Head is appointed as one of the member of the syllabus framing committee.

6.3.2 Teaching and Learning

To improve the academic standard various measures were adopted by the Institute in current year.

- Restructuring of the seminar presentation and dissertation work presentation.
- For all the students seminar is compulsory and it was made mandatory to present seminars on good quality research paper downloaded from Pub med central.
- Management has purchased Plagiarism software and Checking of thesis for plagiarism is made compulsory.
- To create awareness about carrier opportunities and scholarship provided by government in basic sciences, a DST sponsored Inspire camp was organized for 12th students. 180 students from five different district of Gujarat states attended the workshop.
- GSBTM, Gandhinagar has entrusted our Institute as one of the centre for PG BT-CBC (Biotech capacity building cell). Under its auspices, we have successfully organized 02 crash courses of 5 days each in last one year for CSIR-NET preparation. Total 80 students were participated from all over the Gujarat state.
- For undergraduate Students, institute has organized workshop on molecular biology, bioinformatics, bioinstrumentation and general analytical techniques used in industry

6.3.3 Examination and Evaluation

- Seminar presentation is a part of all courses curriculum, to develop research aptitude among the students; Paper presentation has been implemented at all level of M.Sc. and Integrated M.Sc. courses.
- The evaluation of dissertation, undertaken by final semester students, is done in three stages i.e. Project proposal evaluation by examiners in open seminar, mid- term evaluation in the form of poster presentation and final thesis evaluation and presentation. Research methodology workshops are regularly conducted for the final year students.
- Checking of thesis for plagiarism is made compulsory
- University has implemented in house practical and theory viva voce examination pattern from November, 2015.

6.3.4 Research and Development

- Four projects were received by ARIBAS from various funding agencies, like DST, GSBTM, DBT for Training program and research work.
- Currently 15 faculties are recognized Ph.D. guide from Sardar Patel University, Vallabh Vidyanagar.
- Two research scholars have been awarded Ph. D. degree by S.P University.
- 59 research papers were published in reputed journals during the academic year 2015-2016.
- ARIBAS has submitted a proposal for financial assistance for setting up of Anchor institute, under the scheme of enhancement of technical competence and man power of centre for entrepreneurship development. CED Ministry of industries and mines dept of Govt. of Gujarat.
- In order to promote research CVM has created Consortium of Research Enhancement (CORE). The aim of the CORE is to promote research, encourage interdisciplinary and inter-institute research, to guide and screen projects, check plagiarism. ARIBAS is a part of CORE and has three representative members. During the year seven research projects were been presented in CORE and they were approved by the CORE subcommittee i.e. Biosciences.

6.3.5 Library and physical infrastructure/instruments

All books have been bar-coded and presently book issue/ return process is bar-coded enabled service

Presently ARIBAS library has 5275 books. This year Library purchased 58 new books, particularly for NET/ GATE competitive examination preparation and fund was provided by GSBTM.

E-Library has been enriched by new addition of books and dissertation thesis. At present 7524 Digital books including N-list database, 90 new theses were added. Besides these, practical protocols, teaching plans, theory papers of all courses were also updated.

6.3.6 Human Resource Management

Institute has well defined HRM system, both for academic as well as administrative purpose. Various positions like Director, Head of the Department, Coordinator, store keeper, laboratory assistance, Office superintendent, clerk, assistant clerk, physical training instructor,

6.3.7 Faculty and Staff recruitment

In current academic year one computer faculty was appointed as Adhyapak Sahayak.

6.3.8 Industry Interaction / Collaboration

To explore research Ideas and interaction with other institutes

Three research proposals were submitted for collaborative research work.

(i) Research proposal was submitted under the Indo- Hungarian, DST scheme of worth Rs 3,00,00,000/-.

(ii) Project Title: Metagenomic study of periodontitis. It is with the collaboration of AAU, ARIBAS and Manubhai Patel Dental College and hospital, Vadodara, were submitted. The total proposed cost was Rs 2,996,720.00.

(iii) Project Title: "Trans differentiation of Adipose derived Mesenchymal stem cells in to Neural cells in vitro" was submitted at GSBTM in a collaboration of Total Potential Cells(P) Ltd, Raopura, Vadodara.

Efforts for improvement of ARIBAS student's strength are made and following measures were taken;

- **INSPIRE Internship Camp** sponsored by DST, New Delhi was conducted for five days for Standard XI science students from schools of Anand, Vidyanagar, Nadiad, Borsad, Godhara, Ahemdabad and Baroda from 28th Nov to 2nd Dec'2016. Total 180 students participated in it.
- ARIBAS was selected as **BT-Capacity Building cell (PG-BT-CBC)** by **GSBTM, Gandhinagar**. To provide them guidance for the competitive exams, the cell has organized CSIR-NET Crash Course two times (22nd to 26th May '2015 and 1st to 5th December '2015 for students from all over Gujarat. Total 80 students participated in it.
- **Personal counseling in schools & in Colleges:** Total 810 school students and 120 college students were counseled and visited the institute.
- **Training at ARIBAS:** In total 80, B. Sc. Students attended different workshops and received hands on training on Bioinformatics Tools, Molecular biology and general analytical techniques used in the industry.

6.4 Welfare schemes for

Teaching	--
Non teaching	--
Students	--

6.5 Total corpus fund generated

Nil

6.6 Whether annual financial audit has been done

Yes No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	YES	KCG	YES	IQAC
Administrative	YES	KCG	YES	IQAC

6.8 Does the University/ Autonomous College declare 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?

Institute has implemented same passing criteria for all IGBT and PG courses as per University norms. This year examination pattern is decentralised by Sardar Patel University and external practical exams and viva-voce are conducted by Institute Internal Examination committee

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

Two faculty members of our institute are senate member of Sardar Patel University.
Seven faculty members are the member of PG Board of Studies of Bioscience and Board of Studies of Chemistry.

6.11 Activities and support from the Alumni Association

ARIBAS Alumni Association organized its 3rd Alumni meet on 27th February 2016
In order to frame alumni association office bearer, election was held to choose a President, a Vice-president and a Secretary among the alumni.

6.12 Activities and support from the Parent – Teacher Association

Parents teacher meet has been arranged on 5th March 2016th to strengthen parent teacher relationship and to get feedback/ suggestion from the parents regarding improvement in curriculum, administration part.

6.13 Development programmes for support staff

Institute supports teaching and non teaching staff for various training program.

Institute has deputed one faculty and one supportive staff to attended orientation course under teachers training program organised by UGC, Academic Staff College.

One of the faculty members was selected for Summer **Research Fellowship - 2015** from Indian Academy of Sciences, Bangalore, Indian national Science Academy, New Delhi and The National Science Academy, Allahabad (**IASc – INSA – NASI**).

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

To Make Campus eco friendly this year, Plant adaptation program was conducted by SWAN Club of institute, in which faculties and students adopted more than 80 plants. Plants were provided by Forest Department, Anand. Plantation program was organized in the presence of, D.F.O. Anand. After plantations plants were covered with cages and are taken care of regularly by SWAN members.

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.

For the development of Research Aptitude in the students at an early age, restructuring of the seminar presentation and dissertation has been done. For all the students, starting from semester I, seminar presentation made compulsory on good quality research paper downloaded from Pubmed Central. The power point seminar is in front of whole of the class and evaluated by at least three teachers. The evaluation of dissertation, undertaken by final semester students, is done in three stages:

- i. Project proposal evaluation by examiners in open seminar
- ii. Mid- term evaluation in the form of poster presentation
- iii. Final thesis evaluation and presentation

Checking the thesis for Plagiarism has been made mandatory for all. The student's Internal results made online, so that students and their parents can assess the same from website.

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

As per the IQAC meetings, different strategies and action plan were decided and according to them following steps were initiated by the institute: Student's strength is one of the biggest challenge faced by many private institutes. Therefore, institute around the year do different activities for the improvement of the admission. Every year the admission counseling process within the state is initiated by the management as well as at the institutional level well in advance before the new academic session begins. This time institute has decided to focus more on local area especially Anand, Kheda, Ahmedabad and Baroda districts. During Education Fair team of faculty members including head of the institute visit different places of Gujarat state, interact with students and parents and provide them proper guidance for different opportunities in science field. Over at institutional level, 810 school students and 210 college students were counseled. Apart from this, to motivate the students to peruse their higher study in science, students were oriented through variety of workshop/training programmes. In reference to that following details are listed:

1. INSPIRE Internship Camp sponsored by DST, New Delhi was conducted for five days for Standard XI science students from schools of Anand, Vidyanagar, Nadiad, Borsad, Godhara, Ahemdabad and Baroda from 28th Nov to 2nd Dec'2016. Total 180 students participated in it.
2. ARIBAS was selected as BT-Capacity Building cell (PG-BT-CBC) by GSBTM, Gandhinagar. To provide them guidance for the competitive exams, the cell has organized CSIR-NET Crash Course two times (22nd to 26th May '2015 and 1st to 5th December '2015 for students from all over Gujarat. Total 80 students participated in it.
3. Training at ARIBAS: More than 100 B. Sc. Students of Gujarat state were given hands on training on NSG & Bioinformatics Tools Molecular biology and general analytical techniques used in the industry.

7.3 Give two Best Practices of the institution

As mentioned earlier ARIBAS still implementing both the best practices (“E-Resources / Digital library and Student Counseling”). However, strengthening/ improvement of the D - space was made with followings:

- Digital Book increased to 1603
- Thesis 1079 + 86 are being added
- Practical Protocols for all the courses were added
- Online teaching plan is uploaded and syllabus is linked with physical and digital library resources.
- Internal and external question papers
- Copy of Annual reports
- Online student attendance (Date, subject, lecture and practical wise)
- Online Internal results display

7.4 Contribution to environmental awareness / protection

- In order to develop green zone through systematic plantation, SWAN club organized "Plant adaptation programme", faculties and students adopted more than 80 plants. For the same the plants were provided by Forest Department, Anand. Plantation done and plants were covered with cages and are taken care of regularly by SWAN members. Out of 80 plants, 75 are growing well as on today.
- Boundary wall around the institution was constructed. Wild growth of plants around the institutional premises is removed and areas were made cleaned.

- On World Photography Day (19th August 2015), SWAN club organized "Photography Competition" on theme "Biodiversity of Gujarat". Students from different colleges like V.P. Science College, IICP, Charusat Changa, SMID and IJET Dharmaj participated in the event.
- SWAN club organized "Bird Watching Trip" at Vadhavana Lake Dabhoi. Students participated and observed migratory birds. Students with best Mobile Photography of Migratory Birds were awarded prizes.
- NSS club regularly organize Swatchhata Abhiyan for the ADIT campus.

7.5 Whether environmental audit was conducted? Yes

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

- Ministry of Human Resource and Development of India have initiated the ranking of all the Indian universities through the National Institutional Ranking Framework (NIRF) based on Teaching & Learning Resources, Research, Professional competence, Social outreach activities etc. Institute has offered itself for evaluation and getting ranked.
- Poor student strength is one the challenges face by the institute and in reference to that we have made effective efforts for the improvement in the student's strength. For the same we have organized different workshop/Training programmes throughout the year. School students received the exposure of molecular biology and tissue culture techniques. They also interacted with eminent scientists and subject experts practically as well as theoretically. While for undergraduate students we conducted hands on training programmes to give them exposure of general analytical techniques utilize by the industries.
- ARIBAS has submitted a proposal for "Financial Assistance for Setting up of Anchor Institute" under "Scheme for Enhancement of Technical Competence and Manpower" of Centre for Entrepreneurship Development (CED), Ministry of Industries & Mines Department of Government of Gujarat. The project aims to produce industrially useful man power through training.

8. Plans of institution for next year

Strive for a continuous improvement is always a path of success. Followings are certain plans for the upcoming academic year.

1. Systematic and vigorous efforts will be made thought out the year towards increase in student's strength of the institute
2. Institute will take all corrective measures to enhance teaching and learning resources.
3. All necessary steps will be taken to strengthen physical & digital library content. For the same financial support available management and RUSHA will be utilized.
4. Emphasis will be given on entrance exam preparation activity especially for National Eligibility Test exams sponsored by GSBTM.

5. As institute has reapplied for DST sponsored Science Camp under INSPIRE programme, if again get chance science camp will be reorganized for school children.
6. As the proposal is submitted to Ministry of Industries & Mines Department of Govt. of Gujarat under “Scheme for Enhancement of Technical Competence and Manpower” of Centre for Entrepreneurship Development (CED). If get approval for the same then institute will act as anchor institute and try to extend the service to the society to provide skillful personalities.
7. Emphasize will be given to the research work and for the same faculties will be promoted to submit more number of proposals to different funding agencies.
8. Institute will organize different workshop/awareness programmes/orientation programmes for school and colleges students throughout the year as part of social outreach activities.

Name: Dr. Shilpa A Gupte

Name Dr. Nilanjan Roy

Signature of the Co-ordinator, IQAC

Signature of the Chairperson, IQAC



ACADEMIC CALENDAR 2015-16

July									October								
06	Orientation of students (All courses)	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	1	Submission of mark sheet (after display and verification) by HOD to academic committee
20	Thalassemia check up of first semester students by NSS			1	2	3	4	5				1	2	3	4	1-5	Internal Practical Examination
27-30	Workshop for first semester students of all branches	6	7	8	9	10	11	12	5	6	7	8	9	10	11	3-5	Internal result display on website
31	*Blood Donation camp by Red Ribbon Club	13	14	15	16	17	18	19	12	13	14	15	16	17	18	3-6	Correction in mark sheet by student and faculty
		20	21	22	23	24	25	26	19	20	21	22	23	24	25	7	Final correction by faculty and submission to HOD
		27	28	29	30	31			26	27	28	29	30	31		8	Final submission by HOD to committee
																6	COHORT – by Red Ribbon club
																9	Poster presentation by Dissertation students
																10	Activity by Bhavai Cultural Club (Navratri)
																12-21	Thesis submission
																12-31	External Theory Examination
																2-14	Diwali Vacation
																12-28	External Practical Examination
																30	New semester beginning

August									November							
3	Invited Lecture by GYAN Club	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	
6	Eye check up for first semester student by NSS club							1	2	30						1
7	Dissertation Allotment to M.Sc. Students	3	4	5	6	7	8	9	2	3	4	5	6	7	8	
19	Photography exhibition on "Ecology of Gujarat" and Plantation by SWAN club	10	11	12	13	14	15	16	9	10	11	12	13	14	15	
24-31	Internal Theory Examination	17	18	19	20	21	22	23	16	17	18	19	20	21	22	
		24	25	26	27	28	29	30	23	24	25	26	27	28	29	

September									December						
1-4	Internal Practical Examination	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN
7-9	Seminar All semesters, all courses									1	2	3	4	5	6
10-27	Remedial classes for late admitted students														
15	Book fair by Veer Narmad Study Circle	7	8	9	10	11	12	13	7	8	9	10	11	12	13
22	Science exhibition for Schools by Scientific Club	14	15	16	17	18	19	20	14	15	16	17	18	19	20
28-05	Internal theory examination for lately admitted students	21	22	23	24	25	26	27	21	22	23	24	25	26	27
28	Women's Equality Day celebration by Women's Cell	28	29	30					28	29	30	31			
28	4 th quiz in all branch, all subject														
29	Submission of the mark sheet to HOD by faculty														

List of Holiday			
18-07-2015	Ramnavmi	22-10-2015	Dussehra
15-08-2015	Independence Day	24-10-2015	Mahurram
18-08-2015	Purnima	31-10-2015	Sardar Patel Jayanti
29-08-2015	Rakshabandhan	11-11-2015	Diwali
05-09-2015	Jannasharam	12-11-2015	New Year
17-09-2015	Sankranti	13-11-2015	Shilp Rj
25-09-2015	Bakid Id	24-12-2015	Id-e-Milad
02-10-2015	Gandhi Jayanti	25-12-2015	Christmas

Teaching Day

Event at ARIBAS

In the Week

Holiday

Internal Practical Exam

Internal Theory Exam

External Practical Exam

External Theory Exam

ASHOK & RITA PATEL INSTITUTE OF INTEGRATED STUDY & RESEARCH IN BIOTECHNOLOGY AND ALLIED SCIENCES
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 Email: head@aribas.edu.in
 Website: www.aribas.edu.in



ACADEMIC CALENDAR 2015-16

December									March								
28-02	INSPIRE workshop	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	02	Poster presentation by Dissertation students (Ml/BI/GT)
01-05	UGC CSIR NET crash course		1	2	3	4	5	6		1	2	3	4	5	6	05	Annual Day/Parents teacher meeting/Branch selection by VI sem students
01-05	Educational tour	7	8	9	10	11	12	13	7	8	9	10	11	12	13	10	Submission of the mark sheet to HOD by faculty
03-04	Vive Voice IGBT I, III and V sem	14	15	16	17	18	19	20	14	15	16	17	18	19	20	14-16	Internal result display on website
07-08	Vive Voice IGBT VII and IX sem	21	22	23	24	25	26	27	21	22	23	24	25	26	27	14	Correction in mark sheets by students and faculty
9 th	First day of teaching	28	29	30	31				28	29	30	31				17	Final correction by faculty and submission to HOD
14 th	Dissertation Allotment to IGBT X Students															18	Final submission by HOD to Committee
																22	Thesis submission (Ml/BI/GT)
																23-09	External Practical Examination(Tentative)
																11-30	External Theory Exam(Tentative)

January									April						
2	Sports Day/Food festival	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN
4	Invited Lecture by Gyan Club					1	2	3					1	2	3
11	Activity by SWAN club	4	5	6	7	8	9	10	4	5	6	7	8	9	10
19	COHORT – by Red Ribbon club	11	12	13	14	15	16	17	11	12	13	14	15	16	17
19	Activity by Scientific Club	18	19	20	21	22	23	24	18	19	20	21	22	23	24
27-30	IQAC Audit	25	26	27	28	29	30	31	25	26	27	28	29	30	

February									May						
02-08	Internal Theory Examination	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN
09-12	Internal Practical Examination	1	2	3	4	5	6	7	30	31					1
13-16	Seminar	8	9	10	11	12	13	14	2	3	4	5	6	7	8
18	Activity by Veer Narmad Study Circle	15	16	17	18	19	20	21	9	10	11	12	13	14	15
23	Activity by Women's Cell	22	23	24	25	26	27	28	16	17	18	19	20	21	22
27/29	Annual Day/Alumni Meet/Umangotsav	29							23	24	25	26	27	28	29

List of Holiday			
13-12-2015	Christmas	08-04-2016	Good Friday
14-01-2016	Uttarayan	14-04-2016	Ambedkar Jayanti
26-01-2016	Republic Day	15-04-2016	Ram Navmi
07-03-2016	Mahashivratri	20-04-2016	Mahavir Jayanti
23-03-2016	Holi	08-05-2016	Pancharam Jayanti
15-03-2016	Good Friday		

Teaching Day

Event at ARIBAS

In the Week

Holiday

Internal Practical Exam

Internal Theory Exam

External Practical Exam

External Theory Exam

ASHOK & RITA PATEL INSTITUTE OF INTEGRATED STUDY & RESEARCH IN BIOTECHNOLOGY AND ALLIED SCIENCES
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ARIBAS

Feedback from Parents

A Parents-Teachers Meeting was organized by ARIBAS on 5th March 2016. Total 13 parents of students from M. Sc. Integrated Biotechnology Semester II to VI came personally to meet teachers; 20 parents interacted on phone. The feedback from the parents was taken on various aspects and is summarized below:

Syllabus

- Most of the parents found syllabus to be excellent or satisfactory.
- One of the parents of M. Sc. IGBT Semester II student found syllabi of Biostatistics and Physics to be bit tough.

Extra-curricular Activity

- Parents were satisfied with the extracurricular activities organized by various clubs and forums of ARIBAS.

Teaching

- In general parents were satisfied with the teaching quality of ARIBAS, some of them found it to be very good.
- Parents have discussed Internal Examination performance of their wards with concern teachers.

Administration

- By and large parents found administration to be efficient and cooperative.
- Parents were also satisfied with the on-line monitoring system of the Internal Examination on ARIBAS website. However, they suggest same facility for their wards attendance. This facility will be also being available to them in short time but in existence this facility has been made available to all the faculty members.

Remedial action taken

- ARIBAS is concerned about personality development of all its students. To produce confident and well groomed students the following activities are already in place and many students have benefited from it.
 - (i) **Personality Development Program:** This is conducted by professional bodies with emphasis on English speaking, public speaking and preparation of CV and interview etc. to name a few.
 - (ii) **Seminar Presentation (Paper Presentation):** In each semester seminar presentation is part of the curriculum, For all the students of all M.Sc courses, starting from Semester I, seminar presentation is compulsory from good quality research paper downloaded from Pub med Central; the power point seminar is in front of whole of the class and evaluated by at least three faculty members.

Other Comments

- Parents were satisfied and happy with the job of the counselor in terms of the timely information reached to the wards attendance and performance.
- One of the parents wanted support from teachers to build confidence in her ward. Due to which she was not able to clear first semester two papers. The student was counseled personally by counselor and Head of the Department. With the help of teachers she could clear all the papers and parent was very satisfied with the kind of support she got from teachers.
- In case one of the case, where the parents want their ward to change friend circle as he was showing poor performance in studies and was involved in mischief, the student was counseled by the counselor and Head of the Department and is being watched for his activities / behavior. Subject teachers have been asked to give extra attention to the student. Also the other students of the group were counseled regarding the same.

Despite informing the parents about Parent-Teachers Meeting in advance either on phone or by sending letter, not much enthusiasm was shown by the parents. They prefer to discuss the progress of their ward on phone and apathy shown by parents may be due to

- Their busy schedule
- Personal or social engagement
- Distant location in case of outside students

ARIBAS

Feed Back from Alumni

Alumni meet was organized by ARIBAS on 27th Feb 2016. During Alumni meet, panel discussion was organized with alumni from different fields viz Academic (Teaching or Research), Industry, Entrepreneur, wherein present students discussed their queries with the alumni.

Exhibition of paintings of one of the Alumnus Tirthrajsinh Jhala of M. Sc. Biotechnology was organized in the afternoon session. He is currently placed in Mumbai and working as product executive in Dupen lab. Pvt. Ltd. Dr. Kanubhai Patel renowned artist & Principal of CVM college of Fine Arts was remained present as chief guest for the same.

Feedback from the alumni was taken on different aspects and is summarized below.

Curricular aspects

- Final year students should be enriched with the wide variety of options available after their studies.
- Start little more practical based courses. This would help in linking theory to practicality.
- Syllabus should be improved and unnecessary subjects should be removed. Merit should be given less importance while selecting the dissertation guide. Dissertation should also be allowed outside the college.
- Theoretical knowledge along with related scientific updates going in market should be imparted.

Co-curricular aspects

- Industrial visit should be organized for the students to understand the requirement of the different industries and they can be aware of the instrumentation facility utilize by them.
- Also try to train the students on different instruments like HPLC, GC in laboratory so that it will benefit them in getting job outside.

Extra-curricular aspect

- Encourage soft-spoken skills development programme.
- Introduce mock-interview for final semester students

Administrative aspects

- Alumni were satisfied with more effective and systematic approach of the administration.

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Feedback from Students

The feedback from the students was taken on broadly three aspects; each was then further divided into subheadings:

(I) **EXPLICIT CURRICULUM:** (10 subheadings)

How well does the teacher teach the core subject?

(II) **IMPLICIT CURRICULUM:** (05 subheadings)

How well does the teacher model the core values?

(III) **SUBJECT/COURSE EVALUATION** (03 subheadings).

The evaluation was done on a five point scale which was spelled out as **1 = Poor 2 = Average 3 = Good 4 = Very Good 5 = Excellent**

All the students of ARIBAS participated in this activity and an analysis of their compiled feedback is presented below:

- The teachers were evaluated for both Explicit and Implicit Curriculum and in general, all the teachers were graded between good and very good category.

The student's feedback on Subject/Course was sought in terms of

- (i) Depth of the course content and Extent of coverage
- (ii) Clarity and relevance of the reading material provided
- (iii) Relevance of the course content in life and applicability in profession.

The students had mixed reactions regarding course content and extent of coverage. Some students found it satisfactory while others feel that more depth is required.

Remedial action taken:

1. Discussion in the faculty meeting on how to improve teaching and meet student's expectations.