



10th
Annual Day Report
2014-15

ARIBAS

Annual Report

Curricular Report

ARIBAS excellence: Govt. of India made accreditation of higher educational institutions mandatory from 2013. In compliance of Government's decision ARIBAS have sought accreditation by Knowledge Commission of Gujarat and National Assessment and Accreditation Council (NAAC). Both committees visited ARIBAS in March and April 2014 for one and three days respectively. After detail examination of records and discussion with all stake holders Knowledge Consortium of Gujarat (KCG) accredited ARIBAS Grade "A" Grade with CGPA of 3.44 and National Assessment and Accreditation Council (NAAC) accredited ARIBAS Grade "A" with CGPA of 3.01 in a five point scale.

M.Sc. IGBT: ARIBAS is offering five and half year course in M.Sc. Integrated Biotechnology after 12th Science.

Admission: These year 160 applications were received, from which 70 students enrolled in this course.

Result: In April 2014 examination results of all the students in odd, even semesters are promoted in the next semester. It is evident from the the table that students with Allowed to keep term are more in lower semester. This is due to students are coming from vernacular medium are not accustomed to English medium teaching and mathematics and statistic subjects in lower semesters. However consistent efforts of teachers improve result in higher semester

Examination	No. of Students appeared	No. of Students promoted to next semester	No. of Students with ATKTK status	% of students Promoted
M. Sc. IGBT-I	70	68	30	97%
M. Sc. IGBT-II	82	82	22	100%
M. Sc. IGBT-III	78	78	07	100%
M. Sc. IGBT-IV	88	88	04	100%
M. Sc. IGBT-V	86	86	03	100%
M. Sc. IGBT-VI	78	78	02	100%
M. Sc. IGBT-VII	77	77	10	100%
M. Sc. IGBT-VIII	86	86	1	100%
M. Sc. IGBT-IX	86	86	-	100%
M. Sc. IGBT-X	92	92	-	100%

Dissertation: As per the wish of Chairman Dr. CL Patel, ARIBAS offers dissertation to all the final semester students. Though, institute insists for in-house dissertation, few students preferred to take their project in other institute and research organization. This year there were 91 students in final semester out of which 83 students preferred in-house dissertation where as 08 students preferred to take their project in other institute and research organization. Current batch all students are going to precede their dissertation in-house.

In the Final Semester integrated Biotechnology course ARIBAS has,

- One University Topper
- 23 students obtained First class with distinction
- 54 Students obtained First class
- 20 Students obtained Second class

Pride of ARIBAS: It is a matter of great pride for ARIBAS that students studying in ARIBAS have achieved a grand success in in UGC-CSIR-NET examination held during 2014-15 and in University as well.

- Ms. Preeti Kadian, Ph.D Scholar achieved 49th AIR as JRF
- Mr. Jay Rangani, IGBT-SEM-IX achieved 36th AIR in LS
- Mr. Varun Bavda, IGBT-SEM-XI achieved 39th AIR as JRF
- Ms. Vishwa Gandhi, IGBT SEM-X, achieved 23rd AIR as JRF
- Ms. Deval Shah, IGBT-SEM-X achieved 70th AIR as JRF

- Ms.Vinitra Iyer will receive Inspire fellowship for securing first position in University in M.Sc IGBT programme

Other M.Sc. courses: ARIBAS is also offering two year course in M.Sc. Biotechnology, Genetics, Microbiology, and Pharmaceutical Chemistry after Bachelor degree.

Result: In April 2014 and November 2014 examinations, results of all four courses were 100%.

Examination	No. of Students appeared	No. of Students promoted to next semester	No. of Students with ATKT status	% of students Promoted
M.Sc.BT.-I	5	5	2	100%
M.Sc.BT.-II	1	1	-	100%
M.Sc.BT.-III	1	1	-	100%
M.Sc.BT.-IV	17	16	1	100%
M.Sc.GT.-I	1	1	-	100%
M.Sc.GT.-III	3	3	-	100%
M.Sc.Micro-II	3	3	1	100 %
M.Sc.Micro-III	3	3	3	100%
M.Sc.Micro-IV	9	4	4	100%
M.Sc.PCH-I	1	1	-	100%
M.Sc.PCH-II	11	11	-	100%
M.Sc.PCH-III	11	11	-	100%
M.Sc.PCH-IV	35	35	-	100%

Dissertation: This year there were 17 students in final semester and all of them doing dissertation in-house.

National Fellowship: Two students of department of Genetics received fellowship. One Inspire fellowship and one Rajiv Gandhi Fellowship for SC/ST for research awarded by DST for doing PhD. Both the students joined ARIBAS for PhD

Placement Details: From all five courses 62 students have registered them in ARIBAS placement cell and 50 students were placed in various sections of Pharmaceuticals and Biotech companies.

Enrollment for PhD in National Institute

1. Mr. Joel Christie has joined DRDO, Gwalior
2. Mr. Jaydeep Badrukiya has joined CCMB, Hyderabad
3. Mr. Sachin Vyas has joined IIT, Jodhpur
4. Ms. Aakruti Shah has joined CDFD, Hyderabad
5. Ms. Gurprit Bharadwaj has joined MSU, Baroda
6. Mr. Varun Bavda has joined IISER, Bhopal

Institute support for Scholarship & Fellowship (2014-15): During this academic year institute had supported to students for getting different kind of scholarship and fellowship from the government. In the category of Pre Graduation Scholarship total sum of **Rs. 16,73,320/-** were received by ARIBAS students.

Type of Scholarship	Amount (Rs.)
Government Post metric Scholarship	
For ST students	8,40,000
For SC students	3,08,320
For OBC students	1,75,000
Minority	90,000
Indira Gandhi Single Girl-child Scholarship	2,60,000

In the category of Post Graduation fellowship total sum of **Rs. 6,93,800/-** were received by ARIBAS students

Type of Fellowship	Amount (Rs.)
Inspire Fellowship for Ph. D programme (Two)	4,62,400
Rajiv Gandhi Fellowship for Ph. D programme (One)	2,31,400

Membership of academic bodies: Dr. Shilpa Gupte is elected as member of SP University Senate this year (2015-2017). Dr. Dr. Bhakti Bajpai, Dr. K Saroja, Dr. Shilpa Gupte, Dr. Kishor Chauhan are member of Board of studies, Biosciences (2014-2017)

PhD supervisor registration: 18 faculties have received recognition as Ph.D. guide from SP University.

PhD student admission: 21 Ph.D. students currently registered for Ph.D programme.. To help them in Course work and six monthly report submission, Departmental Research Committee (DRC) consisting of all HoD of ARIBAS is constituted.

Extramural research funding Received

➤ **Mrs. Nisha Dixini** has received **UGC Minor project of Rs.2.25 lakhs/-** ,entitled Isolation, Characterization and Genome Analysis of Halophilic Bacteria from Coastal Region of Gujarat.

- **Mr. Snehal Ingle** has received UGC Minor project of **Rs.3.75 lakhs/-**, entitled Mutagenesis of *Trichoderma resei* for better cellulase production & its use in saccharification of agricultural waste and bio-ethanol production
- **Dr. Digvijaysinh Rana & Dr. Shilpa Gupte** received approval for project from NCSTC for **Rs. 14.3 lakhs/-** entitled Study of water quality status recommendations for future activities of various pond waters in Panchmahal, Dahod & Dabhoi districts of Gujarat.
- **Dr. Bhakti Bajpai**, has received UGC Major project of **Rs.16.7 lakhs**, entitled Development of High Tannin Resistant Fungal Strain(s) for Gallic Acid Production.

Total Funding Received by the Institute during academic year is of Rs. 37 lakhs.

Funding proposal submission: Submission of extramural funding proposal worth 10.2 crore in various international and national funding agencies

International: Indo Hungarian

Inter-Institutional: ARIBAS-AAU and ARIBAS-Ayurveda

Individual: 10 major projects to UGC, 3 in DST, 1 in DBT, 1 in NCSTC and 1 in GUJCOST

Research Publication and seminar attended During this academic year overall publication of faculty members is 60 in different national & international journals. Three Faculty members completed Refresher Course, three faculty members attended workshop, Fifteen faculty attended seminar/conferences and two non-teaching staff attended workshop

Oral Presentation was done by Dr. Farzin Parabia in Indo-European International Conference organized by Arts, Commerce & Science College, Nandgaon, Nasik, with Indo-Europe Educational Programme on 22nd to 24th Jan2015

ARIBAS students presented **seven posters at National Seminar** on ‘Strategies to Understand Sustainable Utilization of Plant Wealth (SUSUP-2014)’, organized by Department of Botany, Gujarat University, A’bad. 29th – 30th Sep, 2014.

Six students of ARIBAS participated in **Oral and Poster Competition** organized by NVPAS and CSC on 5th Feb 2015 on the occasion Energy Day celebration

- Krishna Patel of sem-II IGBT won 2nd prize in oral presentation
- Daljeet Kaur & Hetal Patel of sem-VI IGBT won 3rd prize in poster competition

Efforts for improvement of admission

- For IGBT eligibility criteria is broadened, with due approval of PG board of SP University. In line of national eligibility criteria both A & B Group 12th Std students are eligible for Integrated Biotechnology course.
- Institute has submitted application for DST sponsored Inspire summer and winter camp. In this camp 12th Std students of Gujarat state will be updated about current status of research based education system and various Govt scholarship like KVPY and career prospect after completion of the course.
- It is a matter of pride that ARIBAS is as a centre for BT- Capacity Building cell (PG-BT-CBC) by Gujarat state biotechnology Mission. GSBTM has sanctioned money for the conduction of workshop for preparing PG students for National competitive examination- like **CSIR NET** twice in a year.
- In a mission to spread awareness about biotechnology career prospects ARIBAS faculty members visited 150 schools and collages of Gujarat and Rajasthan. Stress was given to Personal counseling and more than 5000 students were counseled till date and we will do more in future.
- Approx. 100 BSc students of Gujarat state were given hands on training on Next generation sequencing and various Bioinformatics Tools

Efforts for improvement in Academic standard

- In a bid to improve academic standard various measures practiced in national institutes like IIT and IISER ere adopted, IIT. Publication of academic calendar with all curricular co curricular and extracurricular activities is made regular feature. Standardized exam schedule with
 - a. Quiz after one unit
 - b. Midterm after two units
 - c. Final after four unitsand Modular Practical Schedule adopted.
- **To regularize and to monitor student attendance** - Online attendance monitoring system is developed. Results of all students are also being added to online monitoring system. Teachers and counselor now can view any student's attendance and academic progress in their desktop or laptop.

- **Online teaching plan** is prepared and Syllabus is linked with physical and digital library resources, so that both teachers and students can monitor which part of the syllabus is being taught from which chapter of textbooks.
- **Digital Depository** contain 512 Books 314 Dissertation Thesis: 281 Research Articles 68 Presentations, 41 Question Papers and are created and being updated regularly.
- **As e-resources** Centralized laboratory protocols are made available to students so then students can focus in putting more time in experiments and less time in journal writing. 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 students enormously.
- **To strengthen Physical library** 186 books were purchased and 08 periodicals were introduced this year. Total Books: 5173, Journals : 16, Magazine : 07, Dissertation Thesis : 1175, CDs : 125

For improvement of post degree Placement

- Online registration system is developed
- To increase the Networking with Alumni the institute has organized **Alumni Meet-“How I Got My Job”** today in proceeding to annual day celebration and **Dr. Deepak Gadhia** from Muni Sevashram Trust, Goraj will grace the occasion as Chief Guest.

Now I would like to invite Dr. Shilpa Gupte vice president of students counsel to submit report on co and extra curricular activity of ARIBAS

Annual Report

Co-curricular Report

- **A one day seminar on "Application of Next Generation Sequencing" was jointly organized by ARIBAS and AAU sponsored by GSBTM on 16th Jan 2015** 27 faculties and 324 students have registered for the seminar. Four eminent scientists have delivered the lectures and in post lunch session 75 participants were given hands on training on NGS tools at ARIBAS.
- ARIBAS Scientific club of has organized Book Review Competition on 9th August 2014 on the occasion of World Book Lover's Day celebration.
- ARIBAS Scientific club of has organized two days workshop on **Research Methodology** on December 18th & 19th 2014 for M.Sc. III Semester students of Biotechnology, microbiology, Genetics and Pharmaceutical Chemistry prior they start their dissertation work.
- ARIBAS Scientific Club has organized one day event on 3rd Feb 2015 with Community Science Center (CSC), SPU. Total 156 students of four colleges and two school students from the Anand and Kheda district have registered & participated in different events Quiz, Debate, Poster and Scitoon competition.
- **Gyan Forum** organized scientific and motivational talks for the students and lectures were delivered by 05 eminent personalities visited the institute.

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Extracurricular activities

ARIBAS has started several clubs which are of the students, by the students and for the students. These clubs caters the student diversity and sensitize themselves towards their social, environmental, health and current trends.

Swachha Bharat Mission:

- Under the Mission of **Swachha Bharat, NSS, SWAN and SCIENTIFIC Club have organized different competitions/activities like-** Campus Cleaning, Painting/Cartoon Making/ Slogan Writing/Spot Photography Competition/Elocution/Quiz **on 11th October 2014.**

ARIBAS SWAN Club:

- Under the guidance of Dr.Digvijaysinh Rana, Dr.Kalpesh Ishnava and Dr.Sandeep Chovatiya students of SWAN club conducted **a survey of Biodiversity of Karamsad-Gana Road (Green Belt).**
- SWAN club organized **3 days Nature camp at RATANMAHAL** forest with 40 students and 4 faculty members.

National Service Scheme (NSS):

100 student volunteers have registered for NSS and performed various activities like:

- Under **Prandhan Mantri Jandhan Yojana**, volunteers of ARIBAS visited 175 families of Gana village Indir nivas, Vankar Vas, and HarijanVas, and helped 336 persons for opening their bank account
- Tree Plantation was done by the volunteers within campus and at Ode village.
- Under **Sulabh Sauchlaya Scheme**, volunteers have collected the data and a report was submitted to Gana Grampunchayat for further action.
- **Thalassemia check-up Camp** was organized in Association with Indian Red Cross Society on 1st October 2014.
- **Blood Donation Camp** was organized in Association with Indian Red Cross Society on 2nd Feb 2015.

ARIBAS Red Ribbon Club:

- **The club had been selected as the Nodal Centre** by Gujarat AIDS Control Society (GSACS) for coordinating 34 colleges of Anand District under the banner of Youth Awareness.
- On the **INTERNATIONAL YOUTH DAY**, one week programme was held from 12 – 20th August 2014 which included Voluntary Blood Donation Camp, Short Film screening, jingle making and audio visual competition.
- **As part of COHORT activity oral presentation was organized on 9th January, 2015. The theme for oral presentation was SOCIAL BATTLE FOR AIDS AND SUFFERERS**, students participated for the oral presentation. In which Anshupriya of Sem II IGBT performed excellent and stood First in the event.

ARIBAS Women Cell:

- A talk was organized on **“Health and Hygiene” on 23rd August 2014**, delivered by **Dr. Bhavna Chauhan** Head, Food & Nutrition Department of S.M. Patel College of Home science.
- A **Health awareness program** was organized on **Tuesday, 14th October 2014** under the supervision of **Dr Jasmine Gujrathi**, S.G. Patel Ayurvedic Hospital.
- A talk on **“Women Rights and Role In society” on 24th January 2015** delivered by **Mrs. Ashaben Dalal** who is **President of Mahila Jagrut Sanghthan** Anand..

Mahatma Gandhi Nirvan Din:

- The day was observed along with **cleanliness drive**. A pledge was taken by all **Aribasians** on cleanliness. The drawing competition was organized on 30th Jan 2015. 29 students participated actively and the best three drawings were submitted to University for Intercollegiate competition.

ARIBAS Bhavai Cultural Club:

- **Satyanarayan Katha** organized in the institute at the commencement of the academic year.
- As part of Navratri celebration **Chalo Garba Ghumie** was organized on 1st October 2014.

- Institute had participated in **UDAAN-2015** and won **six prizes in total** and stood 1st in Debate and 2nd in cartoon competition.

ARIBAS Sports Club:

- **This year ARIBAS became champion in chess.**
- In an inter college chess competition ARIBAS stood first and from ARIBAS, Kushan Shah is selected for West Zone university competition.
- In case of volleyball competition Shana Quresi is selected for West Zone.
- In Inter College tournament in progressive colleges in Table Tennis Boys and Girls team bagged **Third Prize**.
- In Inter College tournament in progressive colleges in Lawn Tennis Boys team bagged **Third Prize**.
- **Annual Sports Day** of the institute was organized on **23rd Feb 2015** in which faculty and students have participated in various events.

Cyber and Press Cell:

Cyber & Press cell is successful in making ARIBAS presence in –

- Radio
- TV news channels
- Newspapers

ARIBAS' presence also in –

- Face book
- Linked in
- Twitter