

Goa University

Annual Quality Assurance Report (AQAR)

(Reporting period 1st June 2014 to 31st May 2015)



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 Goa University

Part – A

I. Details of the Institution

1.1	Name:	GOA UNIVERSITY	
1.2	Address:	Goa University P.O. Taleigao Plateau	
	City: Panaji	Pin: 403 206	State: Goa
	Website:	www.unigoa.ac.in	

Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Vice Chancellor	S. R. Shetye	O:0832-6519001 R: 0832-2461660	9011056605	0832-2451184	vc@unigoa.ac.in
Registrar	V. P. Kamat	O:0832-6519005 R: 0832-2465010	9225532577	0832-2452889	registrar@unigoa.ac.in
IQAC Coordinator	P. Mukhopadhyay	O:0832-6519298 R:0832-2453332	9325409801	0832-2452889	iqac@unigoa.ac.in

1.3 NAAC Track ID (For ex. MHC0GN 18879) GAUNGN10025

1.4 NAAC Executive Committee No. & Date: 66th Standing Committee meeting held on 24th September, 2014

1.5 Website address (of AQAR): <http://www.unigoa.ac.in/IQAC.php>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	Four Star	NA	2001	2001-2006
2	2 nd Cycle	B	2.6	2009	8 th March, 2009-7 th March, 2014
3	3 rd Cycle	A	3.09	2014	24 th September, 2014-23 rd September, 2019

1.7 Date of Establishment of IQAC :

11/07/2009

1.8 AQAR for the year

AY 2014-15(1st June 2014 to 31st May 2015)

1.9 Details of the previous year's AQAR submitted to NAAC

Dates of Submission:

- (i) 2009-10 (14/06/2013)
- (ii) 2010-11(14/06/2013)
- (iii) 2011-12 (10/12/2012)
- (iv) 2012-13 (30/12/2013)
- (v) 2013-14 (19/4/2015)

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 ☐

Type of Institution Co-education ☒ Men ☐ Women ☐

Semi-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 (On Campus)

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*)

Not Applicable

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

Autonomy by State

✓

University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

✓

DST-FIST

✓

UGC-Innovative PG programmes

✓

Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

8

2.2 No. of Administrative/Technical staff

1

2.3 No. of students

Nil

2.4 No. of Management representatives

1

2.5 No. of Alumni

1

2.6 No. of any other stakeholder and
community representatives

Nil

1

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2

2.9 Total No. of members

2.10 No. of IQAC meetings held in 2014-15 Four

2.11 No. of meetings with various stakeholders: Two Faculty

Non-Teaching Staff Students Others

2.12 Has IQAC received any funding from UGC during the year? **No** (Application is pending with UGC)

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

1. A-View Workshops at Goa University on 17th September, 2014.
2. Awareness Workshop on Assessment and Accreditation on February 13-14, 2015, sponsored by NAAC, Bengaluru

2.14 Significant Activities and contributions made by IQAC

1. Compilation of quality data-sets on academic performance by faculty members in 2013-14. Information was collected from every faculty member in Google forms with details of:
 - a. Publications
 - b. Faculty-wise list of the courses taught in various programmes
 - c. Invited lectures and presentations made
 - d. Externally funded projects with project amount
 - e. Number of PhD students and their guides
 - f. Programmes organized during the year
2. Compilation and digitisation of a legacy database of publications of the University faculty from its inception.
3. Sharing the experiences (presentations) of the activity at 1 and 2 above
4. Ramrao Wagh, member IQAC, GU made a presentation on quality measures initiated in Goa University at the National Summit On Quality In Education, Organized By 16 - 17 September 2014 : At Christ University, Bangalore

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 *

Work	Outcomes
1. Compilation of Annual Data	<ul style="list-style-type: none"> • Setting up a culture of collection of information from the faculty in online mode • Creation of quality datasets • Assistance in development of information product like university annual report • Eliminating the faculty from giving the same information for different activities • Demonstration that the datasets help answering RTI query • Single source to review work outcomes
2. Legacy Database	<ul style="list-style-type: none"> • A quality information product that forms a single source of authentic information on the publications of the University • A tool for the management to assess the research output of the University by running time series analysis over the years • A dataset that can be made available on the University's website for dissemination of information at different levels: University, Departments or even individual faculty and/or retrieving information on specific query • A seeding product for the development of institutional repository of the publications of the University • Digitization of all Annual reports of the University that are now available on the website
3. Dissemination and Awareness creation	<ul style="list-style-type: none"> • Awareness Workshop on Assessment and Accreditation: Quality in Higher Education. IQAC, Goa Univ. & NAAC. 13-14 Feb 2015 • Training programme for Asst. Registrar (& equivalent) officers of Goa University (23 Mar 2015)

2.15 Whether the AQAR was placed in statutory body Yes

Management ☐ Syndicate ☐ Any other body ☒

Provide the details of the action taken

Goa University has accorded Statutory status to IQAC and is chaired by the Vice Chancellor. The IQAC approves the Annual Report before it is uploaded to the GU website and submitted to NAAC and other bodies.

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	27	02 (Pharmacy & Engg.)	Nil	Nil
PG	32	01	02	36
UG (on Campus)	02	00	02	00
PG Diploma	01	00	01	00
Advanced Diploma	00	00	00	00
Diploma	00	00	00	00
Certificate	02	00	00	00
Others (M.Phil)	23	00	00	00
Total	88	03	02	00

Interdisciplinary				
Innovative				

1.2 (i) Flexibility of the Curriculum: CBCS

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	34
Trimester	1
Annual	3

1.3 Feedback from stakeholders Alumni ☒ Parents ☒ Employers ☒ Students ☒

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

IQAC has set up a mechanism to collect online student feedback on each course conducted in the university. Students, Parents, employers, community stake-holders and alumni are encouraged to give feedback directly to the concerned official including the Vice Chancellor either by e-mail or in person.

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

OA-18- The new Ordinance was introduced for the PG programme in 2014-15. This ordinance makes dissertation a compulsory component of the PG programme at Goa University.

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

The University approved the creation of a new programme M.A (Women Studies) from the AY 2015-16

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

	Total	Asst. Professors	Associate Professors	Professors	Others
Sanctioned	191	96	64	31	
By Direct Appointment	108	76	25	07	--
CAS	108	31	27	50	

2.2 No. of permanent faculty with Ph.D.

88

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
10	20	Nil	39	04	24	--	--	14	83

2.4 No. of Guest and Visiting faculty and Temporary faculty

NA

03

36

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	3	4	12
Presented papers	34	57	5
Resource Persons	9	17	4

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

- Bilingual workshops in critical writing and translation
- Use of presentation tools, documentaries, videos, MOOK/MOODLE type exercises, multimedia as language teaching tool, observation and classroom teaching experience
- Group activities, games, workshops, exploration of websites of various institutions
- Industry attachment and reports preparation and presentation
- Seminars, assignments and discussions
- Online and interdisciplinary courses for additional learning
- Mini projects for better skills
- Field visits to local areas of importance

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

180

2.8 Examination/ Evaluation Reforms initiated by the Institution

- Multiple choice questions (including Online)
- Open book exam
- Tests, seminars and assignments
- OMR for admission test
- Group discussions
- Film review

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

66

39

34

2.10 Average percentage of attendance of students

84%

2.11 Course/Programme wise distribution of pass percentage :

Course	Grades/Number & Percentage of Students							
Grade	O	A	B+	B	C	D	F (Fail)	Total
Mathematics	2	5	5	7	6	2	0	27
Percentage	7	19	19	26	22	7	0	100
Physics	4	4	4	5	3	0	0	20
Percentage	20	20	20	25	15	0	0	100
French	3	0	0	0	0	0	0	3
Percentage	100	0	0	0	0	0	0	100
Chemistry	42	66	12	4	7	0	0	131
Percentage	32	50	9	3	5	0	0	100

Botany	6	9	3	0	0	0	0	18
Percentage	33	50	17	0	0	0	0	100
Biotechnology	8	9	4	0	0	0	0	21
Percentage	38	43	19	0	0	0	0	100
Economics	1	8	8	4	5	4	0	30
Percentage	3	27	27	13	17	13	0	100
Microbiology	7	8	0	0	0	0	0	15
Percentage	47	53	0	0	0	0	0	100
Zoology	7	11	1	2	0	0	0	21
Percentage	33	52	5	10	0	0	0	100
Marine Microbiology	2	12	1	1	0	0	0	16
Percentage	13	75	6	6	0	0	0	100
English	4	15	6	5	2	2	0	34
Percentage	12	44	18	15	6	6	0	100
International Studies	0	2	3	1	0	0	0	6
Percentage	0	33	50	17	0	0	0	100
Electronics	3	8	2	0	0	1	0	14
Percentage	21	57	14	0	0	7	0	100
Tourism and Heritage Management	0	6	2	4	0	1	0	13
Percentage	0	46	15	31	0	8	0	100
Hindi	0	20	11	8	3	1	0	43
Percentage	0	47	26	19	7	2	0	100
Marathi	2	9	6	7	6	0	0	30
Percentage	7	30	20	23	20	0	0	100
Marine Science	10	5	0	0	0	0	0	15
Percentage	67	33	0	0	0	0	0	100
Business Management	15	27	11	6	2	4	0	65
Percentage	23	42	17	9	3	6	0	100
Konkani	0	28	4	6	5	0	0	43
Percentage	0	65	9	14	12	0	0	100
Portuguese	2	2	0	0	0	0	0	4
Percentage	50	50	0	0	0	0	0	100
Philosophy	0	3	1	0	0	0	0	4
Percentage	0	75	25	0	0	0	0	100
Political Science	0	23	1	2	0	0	0	26
Percentage	0	88	4	8	0	0	0	100
Sociology	1	10	1	5	1	2	0	20
Percentage	5	50	5	25	5	10	0	100
Geology	3	10	2	0	0	0	0	15
Percentage	20	67	13	0	0	0	0	100
Commerce	41	14	0	0	0	0	0	55
Percentage	75	25	0	0	0	0	0	100

History	0	17	7	6	2	1	0	33
Percentage	0	52	21	18	6	3	0	100
Marine Biotechnology	2	8	0	0	0	0	0	10
Percentage	20	80	0	0	0	0	0	100
Financial Services								41
Percentage								100
Course	Distinction	First Class	Second Class	Pass Class			Fails	Total Students
Bachelor of Library Science	0	18	6	0			1	25
Percentage		72	24	0			4	100
Master of Library Science	7	5	0	0			2	14
Percentage	50	36	0	0			14	100

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

The IQAC has come establish itself as the Nodal Centre for information gathering and dissemination in the campus. It is organically linked to the students, administration as well as teaching faculty. It builds links between the past students and Goa's citizens at large.

It has already pioneered an online student feedback system on each course conducted in the university. In 2013-14 the IQAC successfully experimented with collection of academic output from each faculty member in online format. This was repeated successfully in 2014-15.

This helps the University in regularly receiving information updates, preparing the Annual Report and in responding to many routine RTI queries on academic activities.

In a further fillip to the role of the IQAC, now all Board of Studies reports are marked to the IQAC for information.

2.13 Initiatives undertaken towards faculty development:

<i>Faculty / Staff Development Programmes</i>	<i>Number of Programmes</i>	<i>Number of faculty benefitted *</i>
Refresher courses	05	129
UGC – Faculty Improvement Programme	---	---
HRD programmes	---	---
Orientation programmes	03	115
Faculty exchange programme	---	---
Staff training conducted by the HRDC	01	10
Staff training conducted by other institutions	---	---
Summer / Winter schools, Workshops, etc.	---	---
Others Short Term Courses	02	63
Principals Meet	01	16

* These numbers are as indicated by the Academic Staff College where faculty members from Goa University and elsewhere attended these courses.

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	268	44	NIL	4
Technical Staff	103	55	NIL	7

Criterion – III

3. Research, Consultancy and Extension

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

IQAC aims at sensitizing and promoting research climate in the university in two ways – creating the awareness and by finding solutions to research hurdles.

In 2014-15, IQAC conducted two workshops –

One was on the use of A-Views, a software developed by Amrita Institute of Technology in collaboration with DST, New Delhi. It aimed at facilitating video communication between multiple users simultaneously. In today's world a lot of collaborative research happens between colleagues at spatially distributed locations. Physical contiguity is expensive and therefore electronic communication will play a key role in facilitating research. A-Views is expected to meet that requirement as a low cost indigenous software.

The second workshop was again an Awareness Workshop with NAAC which was meant to sensitize college teachers and administrators on NAAC requirements and the role of research in improving the accreditation status.

Sometimes research is hampered by bureaucratic procedures which is a great disincentive to researchers. IQAC also assists researchers in finding suitable solutions in managing research grants through suitable and incremental changes in administrative procedures.

3.2 Details regarding major projects

Research Projects sanctioned by external Funding Agencies for the year 2014-15

	Completed	Ongoing	Sanctioned	Submitted
Number	8	28	4	16
Outlay in Rs. Lakhs	List attached	List attached	List attached	List attached

List of Ongoing Research Projects

Sr. No.	Name of the faculty	Funding agency / period	Title of the project	Amount Sanctioned in Rs.
1	C.U. Rivonker	NIO from September, 2011 to September, 2016	Ballast Water Management Programme – India (BAMPI)	1,06,41,400/- Ongoing
2	V.M. Matta	MoES from September, 2011 to September,	Atmospheric deposition and its influence on nutrients in coastal waters of Goa-West	47,37,000/-Ongoing

		2016	coast of India.	
3	Usha Muraleedharan	MES from September, 2011 to September, 2016	Biogeochemical studies of the Arabian Sea and the effect of riverine inputs from the Mandovi-Zuari system along the West Coast of India.	64,00,000/-Ongoing
4	S.G. Tilve	CSIR from January, 2012 to January, 2015	Synthetic studies in selected marine natural products.	16,00,000/- Ongoing
5	M.K. Janarthanam	MoEF from March, 2012 to March, 2017	All India Coordinated project on sacred Grove Ecosystem service Assessment : Ecosystem Service Assessment in sacred Groves of Goa.	36,41,040/- Ongoing
6	M.K. Janarthanam - P.I. S. Krishnan- Co-PI	DBT from March, 2012 to March, 2017	Preventing extinction and improving conservation status of threatened plants through application of biotechnological tools.	35,71,000/- Ongoing
7	G.N. Nayak	MES from March, 2012 to March, 2015	High resolution paleoclimatic studies from the Bay of Bengal.	12,78,000/- Ongoing
8	H.B. Menon	VSSC, ISRO, Trivandrum from April, 2012 to March, 2017	Aerosol Radiative Forcing Over India.	50,00,000/- Ongoing
9	A.V. Salkar	CSIR from May, 2012 to May, 2015	Selective and controlled catalytic oxidation of chemically sensitive organic substrates over metal organic compounds and mixed metal oxides.	20,00,000/- Ongoing
10	Ramdas Karmali, - PI, Madhavi Sardesai – Co-P.I. Jyoti Pawar- Co-PI	DIT From June, 2012 to February, 2015	Development of shallow parser Tools for 12 Indian Languages (SPT-IL)	36,00,000/- Ongoing
11	R.S. Gad	UGC from August, 2012 to September, 2015	Multimodal Biometric System Design with Embedded Technologies.	12,42,800/- Ongoing
12	Nityakalyani Srinivas	DST from August, 2012 to August, 2015	Total synthesis of bioactive natural products containing unusual amino acids exploring nature's unusual amino acids	22,85,000/- Ongoing
13	C.U. Rivonker – P.I. Vijaya Kerkar – Co-PI	MoES from October, 2012 to October,	Harmful Algal Blooms (HABs) – HAB monitoring (Mangalore to Goa)	54,00,000/- Sanction funds not received.

		2017		
14	S. Krishnan	CSIR from October, 2012 to October, 2015	Large Scale Screening for High Garcinol and Hydroxycitric acid, In Vitro Culture and Molecular Characterization of Garcinia Species from the Western Ghats of India.	13,00,000/- Ongoing
15	S. Krishnan	CSIR from December, 2012 to November, 2015	Large Scale screening for high garcinol and hydroxycitric acid, In vitro culture and Moplecular characterization of Garcinia species from the Western Ghats of India.	12,68,400/-Ongoing
16	H.B. Menon	ISRO from April, 2013 to March, 2017	Establishing a network station at Goa University for atmospheric boundary layer measurements under the noble project of ISRO-GBP-SPL, VSSC, ISRO.	86,65,080/- Ongoing
17	K. Mahender	UGC from March, 2013 to March, 2016	Dolomitization and Geochemical nature of proterozoic Carbonate rocks of Kaladgi Basin: implications of the origin and depositional environments.	12,50,800/- Ongoing
18	H.B. Menon	INCOIS from April, 2013 to March, 2017	Optical characterization of case II waters and retrieval of colour components from an optical sensor.	61,23,000/- Ongoing
19	C.U. Rivonker	MoES from February, 2013 to February, 2018	Assessment of Marine biodiversity along the Goa and northern Karnataka Coasts.	62,90,000/- Funds not received.
20	V.S. Nadkarni	AERB from October, 2013 to October, 2016	Development of Novel Polymeric Detectors for selective Dosimetric Analysis.	25,19,250/- Ongoing
21	G. Somayaji, Joanna Coelho	ICSSR from September, 2013 to September, 2016	Constructing nation in the Diaspora: Political Sociological study of the Tibetan refugees in Bylakuppr settlements South India.	1,00,000/- Ongoing
22	Savita Kerkar	DSTE, Goa from November, 2013 to October, 2016	Impact of Tourism on Estuarine Water Quality and effect on Mangrove & Saltpan Ecosystem of Goa.	19,55,460/- Ongoing
23	G. Santosh	DST from August, 2013 to September, 2018	Self assembly of amphiphilic Donor acceptor dyads into nanostructures for applications in optoelectronics.	35,00,000/- Ongoing

24	G.N. Nayak	AUC-UGC from January, 2014 to January, 2017	Estimation of Beryllium from the polar regions and lake sediments : paleo-oceanographic Implications.	6,03,000/- Ongoing
25	Ramesh Pai	DSTE-GOA from January 2014 to January, 2017	Cluster mean-field theory for Bose-Hubbard Models.	6,78,000/- Ongoing
26	Shaila Desouza	NMEW from May, 2014 to April, 2015	"SanghaMitra : Goa State coalition for Reproductive and Social Health of Adolescents".	12,50,500/- Ongoing
27	R.V. Pai	CSIR from April 2014 to March 2017	Random-Phase-Approximation excitation spectra for Bose-Hubbard Models.	12,42,000/- Ongoing
28	Pranab Mukhopadhyay	MoEF from November, 2013 to November, 2015	Linking Coastal Zone Management to Ecosystem services in India.	19,70,700/- Ongoing

3.3 Details regarding minor projects NA

	Completed	Ongoing	Sanctioned	Submitted
Number	Nil	Two	Nil	Nil
Outlay in Rs. Lakhs		2300000		

3.4 Details on research publications

	International	National	Total
Peer Review Journals	No criteria to distinguish between International and national Journals		151
Non-Peer Review Journals	No criteria to distinguish between International and national Journals		
e-Journals	No criteria to distinguish between International and national Journals		
Conference proceedings	9	23	32
Chapters in books	No criteria to distinguish between International and national Journals		18

3.5 Details on Impact factor of publications: **83 (in 2014-15)**

Range	0.294 – 7.458	Average	2.167
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Basis for computation: Thomson Reuters Journal Citation reports. Does not include any other agencies publishing impact factors of journals on varied parameters.

3.6 Research projects submitted and completed from various funding agencies, industry and other organisations

Grants Received during the year 2014-15

Sr. No	Nature of the Project	Name of funding agency	
Major Project			
1	Major Project	CSIR(Council of Scientific Industrial Research)New Delhi	121770.00
2	Major Project	CSIR(Council of Scientific Industrial Research)New Delhi	48219.00
3	Major Project	CSIR(Council of Scientific Industrial Research)New Delhi	85348.00
4	Major Project	CSIR(Council of Scientific Industrial Research)New Delhi	439916.0
5	Major Project	CSIR(Council of Scientific Industrial Research)New Delhi	457000.0
6	Major Project	MOES(Ministry of Environment Science) New Delhi	1398500.00
7	Major Project	MOES(Ministry of Environment Science) New Delhi	417000.00
8	Major Project	MOES(Ministry of Environment Science) New Delhi	1150000.00
9	Major Project	DST(Department of Science & Technology)	231587.00
10	Major Project	DST(Department of Science & Technology)	1691680.00
11	Major Project	Department of Environment Forest & Wildlife New Delhi	788000.00
12	Major Project	AERB(Department of Atomic Energy Regulatory Board)Mumbai	275400.00
13	Major Project	Department of Space	600000.00
14	Major Project	Department of Space	300000.00
15	Major Project	Department of Space	500000.00
16	Major Project	AERB(Department of Atomic Energy Regulatory Board)Mumbai	448422.00
17	Major Project	DIT(Department of Information & Technology)	500000.00
18	Major Project	DIT(Department of Information & Technology)	325000.00
19	Major Project	Ministry of Shipping Road Transport & Highway (NIO)	1200000.00
20	Major Project	Ministry of Defense Naval Research Board New Delhi	1220600.00
21	Major Project	Fourteenth Finance Commission Project	56250.00
22	Major Project	SERB(Science and Engineering Research Board)	200000.00
23	Major Project	SERB(Science and Engineering Research Board)	4650000.00
24	Major Project	IFCPAR New Delhi	128545.00
25	Major Project	UGC (University Grant Commission)	188333.00
26	Major Project	UGC (University Grant Commission)	35000.00
		Total	17456570.00
Minor Project			
1	Minor Project	ICSSR(Indian Council of Social Sciences Research)New Delhi	30000.00
2	Minor Project	ICSSR(Indian Council of Social Sciences Research)New Delhi	200000.00
		Total	230000.00

**List of Research Projects submitted to various Funding Agencies during
2014 – 2015**

Sr.No.	Title of the Project	Name(s) of Projects Investigator	Funding Agencies	Duration and Period	Amount requested (Rs.)
1	Molecular characterization of new Bacteriophages specific for microbulbiter sp.	Sanjay Ghadi	DST New Delhi	3 years 3/4/2014	36,74,000/-
2	Soil Nutrient Analysis using NIR duffurs Reflectana	G.M. Naik	ICAR New Delhi	3 years 10/04/2014	1,15,85,000/-
3	Heavy metal remediation from waste water using sulphate bacteria and its iron sulphide nanoparticle	Savita Kerkar	DBT New Delhi	3 years 28/04/2014	77,45,122/-
4	Reproductive/developmental and genetic toxicological studies of ionizing radiation on Zebra Fish	S.K.Shyama	BRNS Mumbai	3 years 11/07/2014	44,74,000/-
5	Development of some potential Biodegradable and Hyper branched polymers for application in Nuclear Track Detection	V.S.Nadkarni	UGC New Delhi	3 years 20/08/2014	20,24,300/-
6	Embedded platform for plant chlorophyll measurement Non destructively	Jivan S. Parab	UGC New Delhi	2 years 21/08/2014	5,99,500/-
7	Bio-physical characterization and site suitability analysis for Indian mangroves (under pracriti phase II programme)	B.F. Rodrigues	ISRO Ahmedabad	3 years 22/08/2014	5,00,000/-
8	Analyzing gender through traditional cultural practices: A study of festivals and ceremonies in Goa	Shaila Desouza	NCW	18 months 25/08/2014	8.1 Lakhs
9	Preparation, characterization and study of luminescent emission properties of some nano tungstate phosphors	Uma Subramaniam	UGC New Delhi	3 years 8/09/2014	10 Lakhs

10	Cloning of novel polysaccharide degrading genes from culturable and unculturable marine bacteria	Sanjeev Ghadi	UGC New Delhi	3 years 8/09/2014	19,95,000/-
11	Halophylic fungi as source of industrially important hydrolytic enzymes active under saline conditions	Savita Nazareth	UGC New Delhi	3 years 10/09/2014	21,00,000/-
12	Culture dependent studies on bacterial flora producing novel alkaline proteases from coastal, mangrove and estuarine eco riches of Goa	S.K. Dubey	UGC New Delhi	3 years 23/09/2014	20,23,000/-
13	Modelling of Human neural mass with Ecg analysis : Application to pedagogy	R.S.Gad	DST New Delhi	3 years 5/11/2014	17,53,920/-
14	Effect of site-occupancy disordered on the Martensitic transformation in Mn rich magnetic shape memory alloys	K.R.Priolkar	CSIR New Delhi	3 years 1/1/2015	20.26 Lakhs
15	Financial Literacy and other factors affecting the usage of SME platform of BSE, by SME in Goa	Purva Hegde Desai	BSF-IPF Bombay Stock Exchange	6 months 26/2/2015	65,000/-
16	Shareholder value creation Index of Sensex companies (SVCI)	Nilesh Borde	BSF-IPF	6 months 26/2/2015	65,000/-

Completed Major Research Projects sanctioned by external Funding Agencies for the year 2014-15

Sr.No.	Name of the faculty	Funding agency / period	Title of the project	Amount Sanctioned in Rs.
1	G.N. Nayak	UGC, from February, 2011 to February, 2014	Understanding depositional environments, metal concentrations and processes through the study of mudflats within Mandovi-zuari estuarine system, Goa.	6,86,800/-
2	K.R. Priolkar	IFCPAR from April, 2011 to April, 2014	Mechanisms of new long-lasting luminescence biomarkers.	24,28,000/-

3	K.R. Priolkar	BRNS from April, 2011 to April, 2014	Study of magneto-elastic Coupling in Antiperovskite Materials.	22,12,750/-
4	K.R. Priolkar	CSIR from April, 2011 to April, 2014	Study of Martensitic Transformation in Fe Doped Ferromagnetic Shape Memory Alloys.	14,82,000/-
5	H.B. Menon	NRB, from July, 2011 to July, 2014	Variability of colour components in estuarine and Coastal regions of eastern Arabian sea and its predictive potential to Naval applications.	61,41,000/-
6	Jyoti Pawar- P.I. Ramdas Karmali- Co-PI Madhavi Sardesai – Co-PI	DIT from May, 2012 to November, 2014	ILCI Phase 2 Konkani Project	45,43,000/-
7	Pranab Mukhopadhyay	FFC from August, 2013 to February, 2014	Evaluation of State Finances with respect to Goa.	2,50,000/-

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 (Rs)

Name of the P.I.	Funding Agency	Sanctioned Amount
1. Savita Kerkar	Ureka Forbes Ltd. Porvorim	24,000/-
2. P. Mukhopadhyay	International Centre for Integrated Mountain development. Kathmandu.	60,000/-

3.11 No. of conferences organized by the Institution

Level	International	National	State	University
Number	2	11	15	9
Sponsoring agencies	DRDO and DST New Delhi DSTE, Goa; ICPR, New Delhi, ICG, Goa	DRDO DST DSTE-Goa French Embassy in India Goa University Govt. of Goa, Institute Menezes Braganza, Panaji Kendriya Hindi Sansthan, Agra Ministry of Tourism NABARD UGC University Grants Commission, Academic Staff College, Goa World Konkani Centre, Mangalore	CDFAA CLP-Camões, Pangim Department of Official Language, Govt. of Goa DSS-Imagetech Goa Board of Secondary and High Secondary Schools Goa University M/s. Raut Scientific Multi-Commodity Exchange Parvatibai Chowgule College Sahas, Swami Vivekanand Prerna Pratishthan, Sattari, Goa SaiChemie Sanghmitra project (Ministry of Women and Child Development) The Tristao De Braganca Cunha Charity Trust, Panaji Toshnival	Chemistry Department, Faculty and Alumni Association (CDFAA) Directorate of Official Language, Govt of Goa Goa University Sahitya Akademi, New Delhi Shimadzu Univ of Florida USIEF International Education Centre World Konkani Centre, Mangalore

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

International National Any other

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	4	From Management of University/College	Nil
Total	Rs. 37,73,500		

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	Nil
	Granted	One
International	Applied	Nil
	Granted	Nil
Commercialised	Applied	Nil
	Granted	Nil

A.V. Salker: Product and Process patent on 'A catalyst for complete conversion of carbon monoxide to carbon dioxide at room temperature'. Patent No.: 265758; Date of Grant: 13 Mar 2015

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
6	1	3	1	1	0	0

Botany

- B.F. Rodrigues, Awarded Honorary Fellowship of the International Scientists Unique Researches' Yare Association (FISURYA), Jhansi. 8 Sep 2014.
- Divyarani S. Revankar, M.Sc. Part II student won the First Place in essay competition based on the topic "Innovative ideas for raising Goa's Human Development Index to the very High Human Development Group Level by 2025: Role of Government and Society" on 17 Jul 2014. She received a trophy and a certificate besides cash prize of Rs.25,000 at the hands of Padma Vibhushan R. A. Mashelkar.

Chemistry

- Majik, M.S. Best University Researcher Award (Chemistry Department Faculty & Alumni Association (CDFAA))

Microbiology

- Nazareth, S. Recipient of 'Tirumalachar award' of Mycological Society of India (MSI). Award lecture 'Obligate and facultative halophilic filamentous fungi' delivered at Nat. Symposium on Mycological Research-Emerging Trends, Applications and Prospects and 41st Annual Meeting of MSI, Punjabi University, Patiala. 23-24 Feb 2015.

Physics

- Priolkar, K.R. receives MRSI medal for significant contributions to Materials Science

Portuguese

- Namita Fatorpercar, student of M.A. in Portuguese, was awarded with one year scholarship by Camões I.P. to study in Portugal in 2014-2015.

IQAC

Tapaswi M.P. awarded the best librarian award for 2012-13 from Directorate of Art and Culture, Government of Goa (awarded in April, 2015).

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

107

323

3.19 No. of Ph.D. awarded by faculty from the Institution
(As awarded during the GU convocation on 23rd January 2015)

44

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

JRF

SRF

13

Project Fellows

12

Any other

57

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

2

College forum

NCC

NSS

Any other

- Post-graduate student cultural programme “Plateaunica” was held at Silver Jubilee Hall, Goa University from 9-11, March 2015 and was organized by PGSU (2014-15).
- All Goa Inter-Collegiate Festival “Youthesia” held from 11-12 February 2015, at Mukherjee Stadium, Goa University Campus and was organized by GUSC (2014-15).

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

- Training to Japanese students in basic English competence,
- IAS / Civil Service Officers Training (part) under the Directorate of Official language Programme
- Workshops for critical/review writing in English and Konkani at World Konkani Centre
- Intangible Cultural Heritage Preservation programme of WKC, Mangalore Translational services (participation)
- Public lectures by experts under Visiting Research Professors Programme (VRPP) in various areas of knowledge
- Choir and Orchestra organization;
- Quiz contest (television programme) for higher secondary school students of Portuguese;
- Multilingual poetry performance project;
- Workshop for teachers of Portuguese in Goa
- Nandakumar M. Kamat, was a resource person in National Biodiversity Seminar guided 100 members of community biodiversity committees formed at village panchayat level. He also published 60 popular science articles and almost same number on socially relevant issues in print media
- Workshops at higher secondary school level for sensitisation regarding water harvesting and water conservation issues
- Series of meetings with various stakeholders working with adolescents in Goa as a part of Goa State Convergence Project on Adolescent Health and Rights (Sanghmitra project)
- Collaboration with the Election commission of India/ Office of CEO Goa in the organization of National Voters day on 22 January 2015
- All Goa Political Science Festival for UG college students imparting information about careers and opportunities in political science and Intercollegiate T.Y. B.Sc. Chemistry Symposium on Fascinating World of Chemical Sciences
- Elections for the UCR, UFR and the Executive Body of Goa University Students Council (2014-15) were held in Aug/Sept 2014.
- Elections for the Group Representative and the Executive committee of Post Graduate Student Union of Goa University (2014-2015) were held in Sept/Oct 2014
- Workshop on programming for School children’s – “Hour of Code”- “HOUR OF CODE” was organized in collaboration with GOA UNIVERSITY ACM STUDENT CHAPTER , and CSI Goa Chapter in the month of December 2014. “Hour of Code” is a part of global initiative to motivate learners to study computer programming. The Hour of Code which is part of Computer Science Education Week, December 8-14, aims to introduce more than 10 million students of all ages to the basics of coding, and to underscore the critical role of computing in all careers. The event was held at 5 centres across Goa viz Saraswat College, Mapusa SP Chowgule College, Margao GEC, Farmagudi SRIEIT, Shiroda and Goa University and about 25 schools and 300 school students participated in

the event. “Scratch” graphical programming tool was taught to the students to create an interactive greeting card.

- Seminar on “Prudent Mining” was held in association with Goa University Visiting Research Professor Programme D D Kosambi Chair in Interdisciplinary Studies and Goa University Alumni Association on 29th October 2014. The seminar was addressed by Maria Aurora Couto, Director, VRPP followed by presentations by Madhav Gadgil and P F X D Lima. This was followed by an interactive session with Participants that was moderated by Satish Shetye, Vice-Chancellor, Goa University. The programme was attended by over 100 stakeholders from mining affected area, business houses and NGOs.
- Workshop on water harvesting by Department of Earth Sciences, Goa University was held at PT Naik Higher Secondary School, Curchorem under the guidance of A.G. Chachadi and Anthony Viegas of Earth Science dept. Around 25 students of MSC & PhD form Earth Sciences conducted demonstrations, poster display and street play on water harvesting. The programme was attended by 200 students and teachers.
- Demonstrations workshops and talks by Ramchandra (Somu) Rao on FEAR OF THE UNKNOWN at various schools and Workshop on Problems during adolescence by Dr Rupesh Patkar and Prachi Prabhu in various schools were conducted.

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Funding	Total
Campus area	16,30,218/- Sq.m.		Goa government	16,30,218/- Sq.m.
Class rooms	3477/- Sq.m.		Goa University + Goa government	3477/-Sq.m.
Laboratories	6542/- Sq.m.		Goa University + UGC + Goa government	6542/-Sq.m.
Seminar Halls	8		Goa University + Goa government	8
No. of important equipments purchased (\geq 10 lakh) during the current year.		1	Goa University + UGC + Goa	Rs 46,59,514.00

			government+ Funding Agencies	
Value of the equipment and furniture purchased during the year (Rs. in Lakhs)			Goa University + UGC + Goa government + Project funds	27,490,745.00 (GU Budget = 1,19,37,983.00) + (UGC 12th Plan = 46,59,514.00 + Project funds = 1,08,93,248.00)
Others				

Number of Equipment purchased above 10 Lakh during the F.Y 2014-15				
Sr.No	Budget Head	Particulars	Equipment	Amount (in Rs)
1	A-38(7)(2)	Project :ISRO-GBP(Noble)Network station, (PI) H.B.Menon	Anemometer with Sensor and Metrological towers	4659514.00

4.2 Computerization of administration and library

Most of the important activities of the administration like Admission process, Students Enrolment, Examinations, Payroll, Personnel information, Leave Record, Inventory, Convocation etc. have been computerised by Computer Centre. The development of University total ERP solution is in progress and will be implemented by next academic year. The University is going for CCTV surveillance system on the entire campus. A professional Data Centre is also being set up in next 6 months. University Library is fully computerised enabling Online catalogue search, issue and return of books and other standard activities.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	155484		3617	19,64888	159101	
Reference Books	35112		120	1,02000	35232	
e-Books	214	11,00000			214	11,00000
Journals	275	65,19834	30	6,03365	305	71,23199
e-Journals						
Digital Database	1					
CD & Video					3373	
Others (specify)						

4.4 Technology up gradation (overall)

	Total Computers	Computers in Office	Computers in Department	Computers with Students (Laptops)	Number of Computer Labs in the department	Internet services	Number of Computer Centre
I	II (III+IV+V)	III	IV	V	VI	VII	VIII
Existing	1650	101	499	1050	34	1 GB & 20 Mbps	1
Added	1030	13	97	920	0	0	0
Total	2680	114	596	1970	34	1 GB & 20 Mbps	1

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

There is excellent Internet facility on the campus for teachers, students & staff. The main Internet bandwidth is 1 GB from NKN, and a redundant 20mbps Fibre Optic Lease Line from a private vendor. The LAN is on a 1 Gbps Fibre Optic backbone from core to distribution with redundant links wherever necessary and shared over a cat 6 UTP. The campus security is maintained by a Universal Threat Management System (UTM) with gateway firewall and End Point Security system for each client. The campus is also on a wireless network reaching out to most of the Classroom, Hostels Guest houses and lobbies .PHD Students and Faculty Members residing outside the campus can avail the facilities provided (eg. subscribed journals) through Virtual Private Network(VPN). Workshops/Seminars are being conducted to train teachers and Students in advance technologies. A-View, a distance learning software, is used for students to attend the lectures delivered from a distant location.

4.6 Details of Expenses on Equipment and Furniture (FY 2014-15)

(i) University Budget Head

Sr. No.	Head of Account	Amount
1	OTHERS	
	G-10 Common Furniture for All Department	200345.00
	G-11 Common Computers Equip. for All Dept.	66920.00
	G-12 Campus Internet Services	1316646.00
	G-14 Equipment & Furniture (DEITI)	148388.00
	G-8 U.S.I.C.	24180.00
	Total	1756479.00
2	G-1 General Administration	
	G-1(10) Examination Section	185382.00
	G-1(1) Office Furniture/ Equipment	515939.00
	G-1(4)(2) Equipments Furniture	21474.00
	G-1(5) Fire Fighting Equipment	4050.00
	G-1(7)(1) Computers for General Admn.	194040.00
	G-1(9) University Library	78383.00
	Total	999268.00
3	G-3 University Departments	8313833.00
(a)	II Faculty of Social Sciences	
	G-3(12)(2) Common Computer Facility Social Sci.Dept	144260.00
	Total	144260.00
(b)	III Faculty of Natural,Life Sci. & Env.	
	G-3(13)(1) Physics	308842.00
	G-3(13)(2) Electronic	483720.00
	G-3(14) Deptt. of Chemistry	2655423.00
	G-3(15) Deptt. of Microbiology	385879.00
	G-3(16) Deptt. of Botany	365234.00
	G-3(17) Deptt. of Zoology	377459.00
	G-3(20)(1) Deptt. of Marine Sciences	785055.00
	G-3(20)(2) Marine Bio-Tech	493943.00
	G-3(20)(3) Marine Biotech (M)	80013.00
	G-3(21) Deptt. of Computer Sc. & Tech	1991243.00
	Total	7926811.00
(c)	IV Faculty of Commerce & Fac.of Manag.Stud.	
	G-3(22) Faculty of Commerce	216337.00
	G-3(23) Faculty of Management Studies	11983.00

	Total	228320.00
(d)	I Faculty of Languages	
	G-3(3) Deptt.of Hindi	8243.00
	G-3(5) Deptt. of Marathi	6199.00
	Total	14442.00
4	N-1 Master Of Financial Services	
	N-1(12) Equipment Furniture/Computers	372037.00
	Total	372037.00
	Grand Total	11441617.00
5	F- University Works	
	F-2(17) Furniture/Equip.for Hostel, G.H., V.C. R .	210420.00
6	J-12 Departmental Share of Overhead	285946.00
	Total	11937983.00

(ii) UGC and Project Funds F.Y 2014-15

<i>Sr. No.</i>	<i>Budget Head</i>	<i>Particulars</i>	<i>Amount (in Rs.)</i>
1	D-2(9)(1)	UGC XII Plan Gen. Dev. Assistance Scheme Equipment & Furniture	2937578.00
		Research Projects/Schemes	
2	A-1(31)(3)	Selective & Controlled oxidation A.V. Salkar, Chemistry	93390.00
3	A-1(33)(1)	Random-Phase-Approximation Excitation R. V. Pai, Dept. of Physics	286913.00
4	A-2(25)(5)	Atmospheric Deposition V. M. Matta, Dept. of Marine Science	28350.00
5	A-2(26)(5)	Biogeochemical studies of the Arabian Sea, Usha Muraleedharan	137499.00
6	A-2(29)(6)	Harmful Algal Blooms (HUB's) C.U.Rivonkar Dept. of Marine Science	29700.00
7	A-3(75)(1)	Total SynthesisAcids... N. Srinivasan, Dept. of Chemistry	174671.00
8	A-3(79)(2)	INSPIRE Faculty Award, Ganapathi Santosh	18230.00
9	A-7(14)(1)	Assessment of Coastal.....in India P.Mukhopadhyay, Dept of Economics	103230.00
10	A-38(6)(2)	Aerosol Characteriation H. B. Menon, Dept of Marine Science	611922.00
11	A-38(7)(2)	ISRO - GBP (NOBLE) Network Station, H. B. Menon, Marine Science	4659514.00

12	A-44(3)(2)	Development of Novel polymetric detectors for selective, V. S. Nadkarni, Chemistry	607250.00
13	A-49(4)(3)	Panchayat Raj Institutions & Rural Dev... Alaknanda Shringare, Dept. of Political Science	39600.00
14	A-53(1)	Ministry of Tourism, Hospitality Courses	272848.00
15	A-57(1)(1)	Sangha Mitra: Goa State Coalition..., Shaila Desouza (CWS)	68777.00
16	B-21(3)	Cluster -- meanfield for Bose Hubbard Models R.V. Pai, Dept.of Physics	3780.00
17	C-25(E)(10)	Study India Programme (SIP) 2014-15	195715.00
18	D-1(2)	UGC - Equipments Academic Staff College	152519.00
19	D-39(4)(1)	UGC - M.Sc. Marine Microbiology...Under Innovative Program, S.K. Dubey	10708.00
20	D-71(2)	Mapping Carries Paths Case of Alumni Nirmala, Dept. of Management	23500.00
21	D-72(5)	Estbt. of Women Studies Centre during XII Plan Shaila DeSouza, Dept. of CWS	216374.00
22	D-75(1)	Dolomitization & Geochemical Nature K.Mahender, Dept. Earth Science	36180.00
23	D-76(1)	Embedded Technology for portable multiparameter instruments, Jivan Parab, Electronics	185000.00
Total			10893248.00

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

IQAC either directly or through existing bodies creates awareness about student support services. The IQAC is in the process of creating a complete database of students e-mail IDs for direct communication between teachers and administration with the students.

5.2 Efforts made by the institution for tracking the progression

The Goa University Alumni Association through formal and social networks tracks progression. Past students usually visit the parent department and there is active mechanism to maintain an alumni for routine updation.

The university, in partnership with the Confederation of Indian Industry (CII), undertook an ambitious online survey to collect qualitative feedback from ex-students to improve the syllabi and help contemporise teaching modules.

The alumni now aggregates to about 250,000. The survey asked the respondents to rate the subjects which have helped them in their lives and to point out the shortcomings in the courses offered, apart from other queries.

5.3 (a) Total Number of students

(b) No. of students outside the state

46

(c) No. of international students

13

Men	No	%	Women	No	%
	618	29		1514	71

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1571	38	129	323	5	2066	1614	26	142	347	3	2132

Demand ratio 2.2%

Dropout 1-2% (approximately)

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

In order to facilitate students residing in the state and its neighbourhood, the Goa University coordinates the UGC-NET and SET (Maharashtra State) examinations. While there is no centre in the state for the CSIR entrance test (Science & Engineering subjects), the University is already in communication with CSIR to sanction a Goa center for this examination.

The University also organizes UGC sponsored NET/SET Coaching classes for the candidates belonging to the SC/ST/OBC and the Minority categories.

No. of students beneficiaries

30

5.5 No. of students qualified in these examinations NA

NET	30	SET/SLET	4	GATE	7	CAT	
IAS/IPS etc		State PSC		UPSC		Others	1

5.6 Details of student counselling and career guidance

23 students in 22 sittings.

Student counselling: In 2014-15, the student counsellor met 23 students in 22 sittings. Apart from the individual sessions, group counselling sessions were held in the Boys and Girls Hostel for all resident students. The issues dealt with were related to confidence, concentration, inter-personal relationship, psychosomatic health issues and phobia, depression. Where necessary, parents were also counselled separately and also along with their wards.

Career guidance: The University departments also advise in career counselling on a case to case basis. While this is more intense counselling for students of the professional courses like MBA and MCA, all departments meet student expectations on career guidance as and when required.

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
12	139	44	66

5.8 Details of gender sensitization programmes

The Committee for Prevention of Sexual Harassment of Women at Workplace (**CPSHW**), organised a Gender sensitization programme on the campus. It is also the body that looks into any complaints on sexual harassment.

Screening of gender centered documentaries/films and discussion; display of relevant articles and posters on notice boards are the routine activities.

University's Centre for Women's Studies plays large role in Gender Sensitization on campus. Its Sanghmitra project has gender as its prime component and a significant activity was the Goa State Adolescent Convention held on 24 April 2015 involving over 29 government and non-government partners.

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	556	38,64,000
Financial support from government	346	69,75,501
Financial support from other sources	73	4,30,800
Number of students who received International/ National recognitions	Nil	Nil

Under Students-Aid Fund (2014-15), financial assistance amounting to Rs. 7, 74,600/- was given to 184 Post Graduate Students to meet their educational expenses.

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:

There has been an increasing demand for more seats in existing courses as well as new courses. Towards this end the University has endeavoured to increase seats in existing programmes and create new programmes. In 2013-14, the University admitted 859 students. In 2014-5 this number has gone upto 947. In 2015-16, the University has planned to offer 1015 seats for admission.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

The vision of Goa University is to attain global visibility by developing trained human resource on par with global standards, having a high degree of international expertise, socially inclusive perspectives, cross-cultural competencies and ethical character while meeting the employment and knowledge aspirations locally.

The mission of the University has been to create conducive academic environment of high standards and impart higher education with a state-of-the-art infrastructure and high moral values.

6.2 Does the Institution have a management Information System

The University is implementing a complete Management Information System (ERP) for the University which is expected to roll out soon with some modules. The vendor has been identified and work order processed. The ERP providers are interacting with the University to determine customisation requirements.

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

6.3.1 Curriculum Development

Goa University follows a systematic multi-level process in the design, development and implementation of the Post-Graduate curriculum offered on the campus.

Level-1: Based on the curriculum model of UGC/ necessary inputs from other universities, feedback from alumni, parents and industry the individual Departmental Councils propose/suggest structure(s) of the program(s), details of courses, infrastructural and allied requirements.

Level-2: The Board of Studies (**BOS**) comprising of external experts and members of the Faculty from the teaching department concerned and affiliated colleges, reviews the program and courses and makes suitable recommendations for the approval of the Academic Council of the University for implementation.

Level-3: Finally, the Programs recommended are discussed and deliberated upon by the Academic Council which approves the course content for implementation preferably from the subsequent academic year. The same is placed on the University website for reference.

Level-4: Further every existing program goes through a review/revision based on the feedback from academic audit committee, students and employers.

6.3.2 Teaching and Learning

Every Department classroom is being made into a smart classroom equipped with LCD overhead projector, laptop/desktop with some also having an interactive smart board, etc.

Google Apps and Moodle local server has been provided for improving e-learning.

Every Department is provided with internet facility.

Well-equipped Laboratories are available in most science Departments.

There is a Language Laboratory in the Faculty of Languages and a common Social Science Computer laboratory in the Faculty of Social Sciences that is maintained with support from UGC.

6.3.3 Examination and Evaluation

Internal Assessment of PG courses.

Transparency: Students shown **answer scripts** after evaluation before the announcement of results.

Grievance Committee addresses issues of disagreement.

6.3.4 Research and Development

The university has a dedicated Research and Development Resource Management (RDRM) Cell under the charge of a senior faculty member. The cell facilitates submission of project proposals, maintains a database of new proposals, ongoing projects and completed projects. All consultancy proposals are facilitated through this cell. There is a well defined set of rules and guidelines that govern the management of projects and consultancies. The university has introduced new statutes that follow the UGC guidelines to encourage research and consultancy. Faculty have successfully undertaken funded research from various state government as well as central funding agencies such UGC, DST, DBT, Indian Navy, NCAOR, ACITE, ICMR etc.

6.3.5 Library, ICT and physical infrastructure / instrumentation

GU Library has a space of 6500 sqm with seating capacity of 200. It uses the KOHA Integrated Library management Software to automate all its activities. The Library website uses the Drupal Content management System. Issue system of the library is automated using the Barcodes. The library houses 40PCs and 3 printers for user access. The Library is an integral part of INFLIBNET and also subscribes to DELNET facilities.

6.3.6 Human Resource Management

Two dedicated sections in the University's administration manage the teaching and non-teaching staff's progression. The structure of the University allows for a decentralised management system where in leave matters of teachers up to 5 days in sanctioned by the Dean of respective faculties and for longer period by the VC. Heads of teaching departments undertake the task of day to day HR management of their colleagues. The decentralised structure allows for greater transparency and efficiency in decision-making.

Goa University has adopted almost all the UGC guidelines for students welfare, and Pay Scale Notifications for faculty and staff.

6.3.7 Faculty and Staff recruitment

The recruitments are done on the basis of national advertisements and strictly adhering to UGC standards to ensure quality. The University also maintains a roaster-based reservation policy for faculty recruitment. In the event where there is a shortfall, temporary and contractual appointments are made. The university is actively pursuing permissions to proceed on pending appointments in existing vacancies in the University.

6.3.8 Industry Interaction / Collaboration

Goa University faculty interact regularly with the industry as well as the government agencies. Departments, such as Commerce, Computer Science & Technology, Earth Sciences, Marine Sciences and Management Studies, interact regularly with the CII and GCCI and partner in various initiatives with each other. The student-internship programs help in gauging industry demand and acceptance of GU students. It also helps build links with past students and strengthen the past-students network. Speakers and Guest faculty is also invited from industry to help in teaching sections of courses.

One Pharmaceutical Laboratory has been approved as a Recognised PhD Research centre.

6.3.9 Admission of Students

The admission to all programmes on campus are now done online. The process of application and uploading of documents has been made very simple especially for graduate students of Goa University as all their records are directly updated online when they enter their registration number. All PG programs on the campus offer admissions strictly based on the merit. Some departments conduct their own Entrance Test where applicable, while others like MBA, MCA, and M.Sc. in Marine Biotechnology have national-level selection tests for admissions. Over 1500 students could take admissions during 2014-15 using online submission of applications for all PG, M.Phil and PhD programmes.

6.4 Welfare schemes for

Teaching	Medical Health Centre on campus, LTC,
Non teaching	Festival advances, LTC, Computer advance medical Health Campus, Consumer Credit Society, Cooperative Society
Students	Earn while you learn GU Merit Scholarships Transport Hostel, Medical Health Centre on Campus

6.5 Total corpus fund generated (Rs lakhs)

3.70

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	Academic Audit Committee	Yes	Boards of Study
Administrative	Yes (Financial)	Chartered Accountants, Auditors	Yes	GU Administration

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 for Examination Reforms?

The University has adopted a system of Continuous assessment consisting of Intra-semester and semester-end assessments with 100% internal assessment. There is complete transparency in the evaluation process. Students are shown answer papers before declaration of results.

The University's final degree certificates are issued with photo identity.

The proposed University Management System will smoothen the process of submission of marks electronically to speed up the declaration of final results.

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

The Ordinances necessary for grant of autonomy have already been framed for colleges. Chowgule College will start functioning as an autonomous institution from the 2015-16 as all necessary permissions have been processed.

6.11 Activities and support from the Alumni Association

Goa University has a formal **Registered** Alumni Association. This year the alumni association as part of a Lecture Series organised a talk on "Careers in banking" by Irfan Buddaseth, Manager, Treasury, IndusInd Bank on 8th August. It was largely attended by students from MBA Finance and MCom among others.

On 29th October 2015, in association with VRPP, Goa University, a one-day seminar on "Mining prudently" was held. The invitees to the seminar included NGO's, activists and personnel from the mining industry.

6.12 Activities and support from the Parent – Teacher Association

Goa University does not have a formal Parent Teacher Association. There is a Goa University Teachers Association that is active on campus and intervenes with the administration on matters pertaining to University upliftment and teachers welfare. In addition there is a Goa University Non-Teaching Association as well as a Goa University Officer's Association who compliment the efforts of the teacher's association in similar matters pertaining to their members.

6.13 Development programmes for support staff

A training programme was organised by the University for its Officers from 16.3.2015 to 31.03.2015. Ten officers attended the programme titled: Education Administration, University Management, Accounts and Finance.

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

Goa University has a **5 KVA hybrid** (wind and solar) power plant. The entire USIC electrical appliances (tube lights and fans) run on this power plant. In addition, the University campus has 83 solar lamps for street lighting. The University has established two major rainwater harvesting structures on the campus and has been recharging the depleted groundwater reservoir to the tune of about 40 million liters per year. This amount to about two month's water consumption volume on the campus which is nearly 5 lakh liters per day. University has ensured **conservation** of pre-existing seasonal pools and ponds wherever possible and this has helped in conservation of aquatic biodiversity. Instead of check dams, the University uses diversion canals and '*jalkunds*' made from plastic sheets to store water.

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.

- The University in order to facilitate past students and prospective employers to verify/authenticate documents has started an online facility that can be accessed from the GU website directly.
- One of the most prominent innovations that Goa University has initiated is the Visiting Chair Research Professors Programme. This was launched from 2013-14 to bring luminaries in the field of liberal arts & Literature, social and natural sciences, and other fields to the University. The visiting professors interact with students, deliver lectures, offer courses, and work on collaborative research projects, or stimulate the creation of art installations and music performances with faculty and students. One of the aims of this programme is to generate a creative environment in interdisciplinary learning and contemporary knowledge production practices with their intellectual and aesthetic endeavors. The programme is being supported by Directorate of Art and Culture, Government of Goa through generous grants.

As its commitment to open and inclusive learning, all courses, workshops and workshops are open to students as well as general public. Over 1500 participants have enrolled during the first two year 2013-14 and 2014-15. The courses and workshops have been integrated into university's choice based curriculum so that students can earn as credits towards their PG courses.

The University in 2014-15 has made a special effort to organize many of these activities off campus so that a wider audience could participate. These have included colleges affiliated to university and other locations in Goa benefitting PG/UG students and general public. Certificates are issued to all the participants who complete the course.

There is a dedicated website to disseminate all information related to VRPP Programme and allow online registration facility for all courses. This has led to the formation of the Goa University's own Western Music Choir which has now performed at prestigious festivals and places.

The VRPP programme has also led to initiatives in documentation of Goan culture and social practices. It has infused young researchers in Goa with new ideas by engaging in dialogues. Most of the sessions have been video graphed and made available on web or local intranet. This will serve as a source of knowledge in coming years.

The VRPP programme is governed by a Standing Committee of the Executive Council chaired by Maria Cuoto as the Honorary Director. The coordination and execution of programmes is overseen by Ramrao Wagh, faculty member in the Department of Computer Science and Technology.

The detailed schedule of activities for 2014-15 are as below:

A. **D D Kosambi Chair in Interdisciplinary Studies**

1. Madhav Gadgil: Authoring book & interaction with school and villagers from 25/8 to 1/9/14, from 28/10 to 5/11/14 and 27/1/ to 5/2/2015. A interactive session on "The Development Model India Needs" was held on 26th August, 2014 at International centre, Goa. A Workshop on "Prudent Mining" was held on 29th October at Conference hall.
2. Romila Thapar: Refresher Course in Ancient Indian History were conducted from 22/8 to 26/8/14 at Goa University.

B. Dayanand Bandodkar chair in Political Economy

1. Prof Amit Bhaduri : Authoring book & dialogue with teachers and research scholars from 25/8 to 1/9/14 at Goa University and a interactive session on “The Development Model India Needs” was held on 26th August, 2014 at International centre, Goa.

C. Kavivarya Bakibaab Borkar chair in Comparative Literature

1. Uday L. Bhembre taught four 4 credit courses for MA-Konkani at Goa University. A musical programme on poems composed by Uday Bhembre titled “Amori Amurpiki” in association with Git Shakun group was held at conference hall on 19/2/2015.
2. Jeet Thayil conducted a workshop on Performance Poetry from 5/1 to 8/1/2015 at Sanskriti Bhavan, Patto, Panaji.

D. Mario Miranda chair in Art, Fine Art

1. Orijit Sen: conducted a Course on “Mapping Mapusa Market” from 10/8 to 29/8 at DMs College, Assagao and conducted a mural design course “Utopia Dystopia- Mural design course” from 01/12 to 21/12/14 at University.
2. Sheba Chhachhi conducted a course on “THE POLITICS OF CONTEMPLATION, AN ARTIST’S PATHS OF ENQUIRY IN NEW MEDIA” from 17/2 to 2/3/15 at Goa College of Architecture, Panaji.
3. Jyotindra Jain conducted a 1 Credit course on “Indian Folk and Tribal Art Practices” from 6/1 to 17/1/15 at University.
4. Vidya Dehejia conducted a one credit course on “ONCE UPON A TIME: VISUAL NARRATIVES OF INDIA” from 4/8 to 17/8 & a series of lectures from 22/9 to 27/9 at Goa University.

E. Anthony Gonsalves Chair in Western music

1. Santiago Girelli conducted 1 Credit courses on “Western Music 1” & “Western Music 3” from 13/7 to 10/9 at Chowgule College, Margao & Goa University respectively. He also conducted a 1 credit course on “Western Music 4” from 8/1 to 15/2 & 25/2 to 2/3/15 at University. He also directed the Goa University choir that presented concerts at Mae de Deus church, Saligao on 21 August 2014, St Michaels Church, Taligao on 28th February and were invited for the prestigious Jagotick Konkani Sammelan at Mangalore where they performed at St Joseph’s Seminary Church on Saturday 23rd August, 2014. A concert in association with Alliance Francaise, Panajim, and The Directorate of Art & Culture, GOVT OF GOA titled "FROM CLASSICAL MUSIC TO FLAMENCO" by Serge Lopez (Guitar) and Nathalie Marin (Piano) was held on Wednesday, January 28, 2015 at Goa University.
2. Mark Troop conducted a course on “Classical Style in Western Music” from 30/6 to 13/7/14 at Goa University.

F. Nana Shirgaokar Chair in Indian Music

1. Shubha Mudgal conducted a series of public lectures and trained the participants on “Improvisations in Khayal, Thumri & Allied Forms of music” from 8 /9 to 18 /9/14 at Central Library Hall, Patto, Panaji.
2. Ustad Bahauddin Dagar conducted a course on “Dhrupad Music, Indian Classical Traditional Arts & Their Philosophy” from 18/8 to 27/8/14 and 16/3 to 25/3/15 at Central Library Hall, Panaji.

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

Sr. No.	Plan as stated in 2013-14 IQAC report	Action Taken
1	The career advancement information as well as the Annual Report of Departments to be maintained in an online database by	This task has been completed and is now an ongoing activity of IQAC

	IQAC and shared with relevant bodies.	
2	Conduct training and awareness workshops related to Accreditation for affiliated colleges.	Awareness Workshop conducted with NAAC
3	Conduct a training workshop for college administrators on implementation of CAS guidelines.	In addition to the Awareness workshop, M. Tapaswi, OSD to IQAC undertook training lectures on this matter with administrators at a special training workshop
4	Make the system of PG admissions completely online.	Task completed.
5	New PG-Masters and PhD ordinances.	Under revised ordinances, Dissertations have been compulsory at the PG level. Committee undertakes routine monitoring on conduct of CBCS
6	Phase 1 of UMS work to be started	Work order has been issued and there is progress in development and customization of ERP software
7	Complete Online fees payment gateway for all students	Task completed

7.3 Give two Best Practices of the institution

Complete online admission and payment of fees system

The Visiting Research Professors programme helps bring doyens to the state for students and interested residents of Goa to interact and learn from them at no fee basis.

7.4 Contribution to environmental awareness / protection

- The Department of Botany organized an exhibition of Medicinal Plants on January 30, 2015, in which over 3000 school students participated. The objective was to raise awareness among school going children about the importance of our ecological heritage and richness of our biodiversity in the Western Ghats.
- The staff, students and faculty participated in a campus cleaning drive on Gandhi Jayanti day, 2nd October, 2014 as part of the Swachh Bharat Abhiyan.

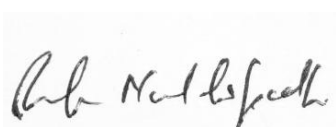
7.5 Whether environmental audit was conducted? Yes ☐ No ☒

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

NA

8. Plans of institution for next year (2015-2016):

- Completion of institutional repository of all journal/e-publications in digitised form.
- Conduct training and awareness workshops related to Accreditation for affiliated colleges.
- Conduct a training workshop for college administrators on implementation of CAS guidelines.
- Updating of PG-Masters and PhD ordinances. Introduction of CBCS at the UG level.
- Implementation of initial modules of UMS
- Complete Online fees payment gateway for all students.
- Have a coordinated time table across the campus to facilitate the functioning of CBCS system.



Pranab Mukhopadhyay

Signature of the Director, IQAC



Satish R. Shetye

Signature of the Chairperson, IQAC

Date: 23rd October, 2015

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Annexure I

ACADEMIC CALENDAR 2014-2015

The arrangement for Academic Terms for M.A./M.Sc./M.Com. on the campus for the academic year 2014-15 was as follows.	
06/06/2014 - 24/11/2014	Term-I
17/06/2014 - 07/11/2014	Teaching: I & III Semester (90 days)
01/09/2014 - 03/09/2014	Ganesh Chaturthi Break (3 days)
07/11/2014	Teaching Ends
08/11/2014 - 09/11/2014	Preparatory Break
20/10/2014 - 24/10/2014	Diwali vacation (5 days)
10/11/2014 - 24/11/2014	SEA – Sem. I / III & Repeat Exam & Assessment
25/11/2014 - 05/05/2015	Term- II
25/11/2014 - 16/04/2015	Teaching: II & IV Semester (90 days)
29/12/2014 - 31/12/2014	Christmas Break (3 days)
16/04/2015	Teaching Ends
17/04/2015 - 19/04/2015	Preparatory Break
20/04/2015 - 05/05/2015	SEA – Sem. II / IV & Repeat Exam & Assessment
06/05/2015 - 05/06/2015	Summer Vacation (31 days)

ACADEMIC CALENDAR 2015-2016

ACADEMIC CALENDAR 2015-2016 The arrangement for Academic Terms for M.A./M.Sc./M.Com./M.B.A. (FS)/M.C.A/M.Tech/B.Lib/M.Lib for the for the academic year 2015-16 shall be as follows: (on the campus)		
Item	Duration	No. of Days
Term - I	08/06/2015 to 24/11/2015	
Teaching begins	15/06/2015	
Teaching ends	28/10/2015	90 days
Ganesh Chaturthi Break	21/09/2015 to 23/09/2015	03 days
Preparatory Break	29/10/2015 to 01/11/2015	04 days
Diwali Break	11/11/2015 to 13/11/2015	03 days
SEA – Sem. I/III/V & Repeat Exam & assessment	02/11/2015 to 23/11/2015	11 days
Term – II	25/11/2015 to 05/05/2016	
Teaching begins	25/11/2015	
Teaching ends	13/04/2016	90 days
Christmas Break	28/12/2015 to 01/01/2016	05 days
Preparatory Break	14/04/2016 to 17/04/2016	04 days
SEA – Sem. II/IV/VI & Repeat Exam & assessment	18/04/2016 to 02/05/2016	11 days
Summer Vacation	06/05/2016 to 05/06/2016	31 days
Reopening	06/06/2016	