



SHIKSHANA PRASARAKA MANDALI'S  
**RAMNARAIN RUIA COLLEGE OF ARTS & SCIENCE**  
MUMBAI - 400 019

**ANNUAL QUALITY ASSURANCE REPORT (AQAR)**  
**SUBMITTED TO NAAC**

**2016-17**

# THE ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC

---

## Part – A

### I. Details of the Institution

1.1 Name of the Institution

Ramnarain Ruia College Arts & Science

1.2 Address Line 1

L.N.Road

Address Line 2

Matunga -E

City/Town

Mumbai

State

Maharashtra

Pin Code

400019

Institution e-mail address

principal@ruiacollege.edu

Contact Nos.

022-24143098, 022-24143119

Name of the Head of the Institution:

Prof. Suhas Pednekar

Tel. No. with STD Code:

022-24143098, 022-24143119

Mobile:

9820023919

Name of the IQAC Co-ordinator:

Dr. Jessy Pius

Mobile:

9892196346

IQAC e-mail address:

ruiacollegeiqac@gmail.com

1.3 NAAC Track ID (For ex. MHCOGN 18879)

1.4 NAAC Executive Committee No. & Date:

1.5 Website address:

Web-link of the AQAR:

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

### 1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	4 star	-	1999	2007
2	2nd Cycle	A	-	2007	2012
3	3rd Cycle	A	3.65	2012	Sept 14th2017
4	4th Cycle	SSR submitted (May 2017)			

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

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

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 2012-13 date: 30-09-2013 (DD/MM/YYYY)
- ii. AQAR 2013-14 date: 20-11-2014 (DD/MM/YYYY)
- iii. AQAR 2014-15 date: 05-12-2015 (DD/MM/YYYY)
- iv. AQAR 2015-16 date: 04-11-2016 (DD/MM/YYYY)
- v. AQAR 2016-17 date: 10-08-2017 (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  C 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

UGC-Innovative PG programmes  Any other (Specify)

UGC-COP Programmes

## 2. IQAC Composition and Activities

2.1 No. of Teachers	12
2.2 No. of Administrative/Technical staff	1
2.3 No. of students	2
2.4 No. of Management representatives	1
2.5 No. of Alumni	1
2.6 No. of any other stakeholder and community representatives	Nil
2.7 No. of Employers/ Industrialists	Nil
2.8 No. of other External Experts	1
2.9 Total No. of members	18
2.10 No. of IQAC meetings held:	08

2.11 No. of meetings with various stakeholders: No.	13	Faculty	6
Non-Teaching Staff	2	Alumni	1
Students		Others	4

2.12 Has IQAC received any funding from UGC during the year? Yes  No

If yes, mention the amount

3 Lakh

2.13 Seminars and Conferences (only quality related)

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

Total Nos. 8 International -- National 1 State -- Institution Level 7

(ii) Themes : Workshops

- Capacity building & strategies for enhancement in teaching and learning
- Chemical handling and laboratory safety
- Art of Scientific Writing
- Effective workplace relationship
- Values in Education
- Character-building through meditation.
- NASI S&T – Based Entrepreneurship for Young Students and Researchers.
- 12 day National level training in 'Molecular Biology Techniques in Diagnostics' sponsored by DBT for training teachers and researchers

## 2.14 Significant Activities and contributions made by IQAC

<ul style="list-style-type: none"> <li>• Preparation of the Prospectus for the Academic year 2016-17</li> <li>• Online Submission of AQAR for 2015-16 to NAAC in 04<sup>th</sup> November 2016</li> <li>• Prepared and submitted exhaustive SSR for 4<sup>th</sup> cycle of accreditation by NAAC</li> <li>• Systematic and continuous student mentoring carried out for all students of the college</li> <li>• Suggestions and support given to various committees for conducting Awareness programmes.</li> <li>• Conducted external Academic audit- 10<sup>th</sup> October to 15<sup>th</sup> October 2016</li> <li>• Audit by UGC expert committee for the conferment of Academic Autonomy to college-19<sup>th</sup>&amp;20<sup>th</sup> December 2016</li> <li>• Conducted Academic audit by University of Mumbai - 9<sup>th</sup> January 2017</li> <li>• Conducted On line student feedback -April 2017</li> <li>• Continued all Environmental activities initiated such as composting, paper recycling, e-waste management.</li> <li>• Organised invigorating session on Values in Education and Character-building through meditation.</li> <li>• Conducted a Two day workshop on 'Art of Scientific Writing'</li> </ul>
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## 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 \*

Sr. no	Plan of Action	Outcome
	To organise Research related workshop for PG/Res Students	<ul style="list-style-type: none"> <li>• Workshop on 'Art of Scientific Writing' organised on 27<sup>th</sup> August 2016</li> <li>• Lecture on Plagiarism August 2016 Workshop on Research Data Analysis using licensed and free softwares –conducted in March 2017</li> </ul>
	Preparation of AQAR	AQAR of 2015-16 submitted 4 <sup>th</sup> Nov 2016
	Preparation of SSR	Completed and submitted to NAAC May 2017
	To conduct an External Academic Audit	Conducted an external Academic Audit from 10 <sup>th</sup> October to 15 <sup>th</sup> Oct 2016
	To conduct University Academic Audit	University of Mumbai conducted Academic Audit on 9 <sup>th</sup> Jan 2017
	Institutionalise the feedback from teaching staff, support staff and Alumnus	Structured format made and feedback taken in March 2017
	To inculcate value system among the students	Dept. of English & Philosophy along with IQAC organised a lecture on 'Values in Education' by Swami Atmokranti of the Osho group 21 <sup>st</sup> January 2017 On 10 <sup>th</sup> February 2017, Yogi Amarnathji spoke on character-building through meditation. This activity will be continued as the best practice of the college

To promote Entrepreneurship	<ul style="list-style-type: none"> <li>• Career Guidance, Entrepreneurship and Placement Cell organised the following activities- <ul style="list-style-type: none"> <li>○ Entrepreneurship and Start ups by Asian Institute of Family Managed Business(22/11/2016)</li> <li>○ Social Entrepreneurship-by Spectrum Academy (25/11/2016)</li> <li>○ Entrepreneurship and Going Beyond Fear by The Prahlad Kakar School of Branding and Entrepreneurship (25/11/2016)</li> </ul> </li> <li>• NASI S&amp;T – Based Entrepreneurship for Young Students and Researchers. Organised with the help of IIT Bombay’s Entrepreneurship Cell (e-cell) and Ruia College on 18<sup>th</sup> March 2017</li> </ul>
Feed back on curriculum from students	Format made. Collected the feed back in March 2017. It will be compiled and given to HoDs to put forth during the Subject Board meeting of the departments under autonomy.
ISR from each department& Activities through ISR committee	<ul style="list-style-type: none"> <li>• Conducted two activities with NGOs. Provided a platform for the students from economically challenged sector to sell their products</li> <li>• Creating awareness among school children about biological sciences with hands-on laboratory experience, one day workshop organised for 8<sup>th</sup> and 9<sup>th</sup> std. students.</li> </ul>
Organising Development Programme for non- teaching	Capacity building activities organised in Oct. 2016
Environmental consciousness	Will be installing a Biogas plant & a Rain water harvesting unit at the end of June 2017
Archives of Ruia	Will be initiating

\* Attach the Academic Calendar of the year as Annexure -- *Annexure I*

2.16 Whether the AQAR was placed in statutory body      Yes       No   
Management            Syndicate            Any other body

Provide the details of the action taken

AQAR was discussed in IQAC meeting with all the staff members. Quality improvement initiatives were discussed by the Principal with the staff members.

## 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	12	-		
PG	05- Aided- M Sc (By Papers) 07- Unaided M Sc (By Papers) 08 - M Sc (By Research)		07	-
UG	<b>Arts</b> Aided-12 Unaided-03 <b>Science</b> Aided - 08 Unaided – 03		03- Arts 03- Science	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	Skill based courses-03 <ul style="list-style-type: none"> <li>• B Voc (Sanctioned by the UGC, New Delhi) (2014):</li> <li>• Tourism &amp; Travel Management</li> <li>• Pharma Analytical Sciences</li> <li>• Green House Management</li> </ul>		-	-
Total	61	-	13	

Interdisciplinary				
Innovative				



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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	✓ (UG & PG)
Trimester	
Annual	

1.3 Feedback from stakeholders\*Alumni  
(On all aspects)

Parents  Employers  Students

Mode of feedback :Online

Manual

Co-operating schools (for PEI)

***\*Please provide an analysis of the feedback in the Annexure- Annexure II***

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

As per the recommendation of Board of studies in various subjects, once in every 3 years the University of Mumbai revises the syllabus both in theory and practical. Under autonomy departments have the freedom to upgrade the syllabus (15-20%)

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

NIL

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	60	25	34	1	-

2.2 No. of permanent faculty with Ph.D.

40
----

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
25	-	34	-	1	-	Adhoc - 31	-	-	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

28
----

76
----

35
----

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	13	11	7
Presented papers	3	24	--
Resource Persons	2	3	--

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

- |                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Mixed-method plans of action for content development of topics from the curriculum</li> <li>Convergent and divergent thinking across disciplines.</li> <li>Teaching through virtual lab</li> </ul> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

179
-----

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

The institution implements rules laid down by University of Mumbai
--------------------------------------------------------------------

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

18
----

-
---

28
----

## 2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
TYBA	378	NA	54.23	16.38	--	84.39
TYBSc	390	NA	70.0	12.3	--	87.43
TYBMM (Marathi & Eng. medium)	130	NA	46.42	36.11	--	31.53
PG	205	NA	48.4	38.35	-	86.75
PhD	73	NA	-	-		-

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

## IQAC Contribution to teaching learning process:

- Suggested the Departments to submit their plans related to workshops/ seminars /conferences before the commencement of the year.
- Encouraging participation in Faculty development programmes
- Suggestions given to faculty to use alternate or innovative methods of teaching and evaluation
- Conducting workshops or interactive sessions to enhance teaching competency(The teacher as the creative spark: capacity building & strategies for enhancement in teaching and learning(TCS-CBS), Art of Scientific writing)
- Suggestions given to Departments and all College committees to organise awareness lectures/ popular lecture students to sensitize them towards environmental / social / Gender Issues.

## Monitor:

- Head of Departments' monthly meetings with the Principal and IQAC gives an insight into the activities being conducted and exchange of suggestions/ assistance required etc are discussed during this meeting.
- Strengthened the mentoring and remedial teaching practices.
- Academic diary is given to all the teaching staff for vividly outlining the Teaching plan in the beginning of the year itself. The details are to be fed in regularly and then the same is checked by the HOD' s at the end of the year.

## Evaluation:

- Students' feedback is used to understand the strong and weak areas of teachers and accordingly necessary steps to be taken are discussed as well as suggested by the Principal. Informal feedback is also taken from teaching, non teaching through suggestion boxes. Parents feedback is taken by every department and accordingly necessary steps are taken by the departments. Formal feedback from alumni and support staff is also obtained and analysed. The gist of suggestions and responses are communicated to the Principal by IQAC, the Principal in turn has deliberations with the management on relevant issues. These are also discussed at length in the IQAC as well as the HOD meetings.

### 2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	--
UGC – Faculty Improvement Programme	05
HRD programmes	54. 5 staff members visited five universities in Pennsylvania
Orientation programmes	--
Faculty exchange programme	-
Staff training conducted by the university	--
Staff training conducted by other institutions	02
Summer / Winter schools, Workshops, etc.	--
Others	--

### 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	86	22	--	-
Technical Staff	-	-	-	Total : 22 Adhoc

## Criterion – III

### 3. Research, Consultancy and Extension

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

IQAC gives suggestions to the Innovation and Research Committee and departments to encourage research based training and research related activities in the Institution. It develops strategies to ensure sustained excellence in quality research, research training and knowledge transfer. The following recommendations were given by the committee;

- Involve more departments in Research.
- Make provisions to support research students especially as travel grants.
- Increase collaborations with industry so that financial support for maintenance and upkeep of instruments is made available.
- Organise workshops on technical/ scientific/ creative writing.
- Organise lectures by eminent scientists/ subject experts of national / international repute.

In response to the recommendations, following actions have been taken;

- Self-financed departments are now involved in carrying out research projects.
- Two travel fellowships namely; SBK Award (USD 500), one for biological science and one for chemistry and Netravali Research Paper Competition (Rs. 50,000/-) have been instituted for supporting travel of research scholars for presenting their research work in seminars and conferences.
- Training has been organised for students and Teachers in technical/ scientific/ creative writing by IQAC e.g. Art of Writing (26<sup>th</sup>, 27<sup>th</sup> Aug 2016) funded by CE.
- IQAC along-with DBT 'Star Status' Departments of Ramnarain Ruia College in association with SUVRO'S Institute for Self-development and Leadership is organizing a workshop for the teachers entitled 'The Teacher as the creative spark: capacity building & strategies for Enhancement in teaching and learning' on the 27<sup>th</sup> of March, 2017.
- A 12 day National level training was organized in 'Molecular Biology Techniques in Diagnostics' sponsored by DBT for training teachers and researchers.
- Various departments organised talks and brainstorming sessions involving eminent Scientists and experts.
- Promoted the presentation by undergraduate (Arts & Science) and research students on their projects/research topics.
- Students of department of Sanskrit (10) and Philosophy (20students) presented research papers at a students' seminar organised by S P College Pune. Also students from Department of History, English, Political science, Marathi participated and presented papers at various seminars/conferences and bagged prizes. Joshika Mandal of TY BA Economics joined National University of Singapore for her post graduation.

#### 3.2 Details regarding major projects—give the list of projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01	04	--	-
Outlay in Rs. Lakhs	25.65	80.49	--	-

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01	04	--	-
Outlay in Rs. Lakhs	1.25	7.71	--	-

### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	41	10	--
Non-Peer Review Journals	--	--	--
e-Journals	02	-	--
Conference proceedings	18	14	08

### 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	Received lakhs
Major projects (on going)	2015-18	University Grants Commission, Government of India	15.49	10.39
	2016-17	Willingdon Sports Club, Mumbai	25	16
	2013-17	UGC	12.85	8.318
	2014-2017	Department of Biotechnology (with NEHU, Shillong)	27.15	27.15
Major projects (completed)	2014-16	AYUSH, New Delhi	25.65	25.65
Minor Projects (on going)	2016-17	University of Mumbai	0.32	Nil
	2015-17	UGC	1.9	Nil
	2012-17	Asiatic Society of Mumbai	1.25	Nil
	2015-17	Dorabjee Tata Trust	1.0	0.5
	2015-17	UGC	4.49	4.49
Minor Projects (completed)	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	2016-17	Ajanta Pharma Ltd.	3.27	3.27
	2016-17	Padmaja Laboratories	0.08	0.08
Projects sponsored by the University/ College	-	-	-	-
Students research projects (other than compulsory by the University)	-	-	-	-
Any other(Specify)	-	-	-	-
<b>Grand Total</b>	<b>12</b>	<b>-</b>	<b>118.45</b>	<b>95.848</b>

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-NA

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	01	02	01	-	4+ 16 (workshops)
Sponsoring agencies	Dept. of Philosophy, University of Mumbai, Bombay Philosophical Society	DBT, CE, DDU KAUSHAL	NIL		DBT, Star programme, IWSA

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	-
	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
6	-	2	4	-	-	-

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

29

63

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

5 (in 2016-17)

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	<input type="text" value="167"/>	State level	<input type="text" value="10"/>
National level	<input type="text" value="1"/>	International level	<input type="text" value="-"/>

3.22 No. of students participated in NCC events:

University level	<input type="text" value="102"/>	State level	<input type="text" value="40"/>
National level	<input type="text" value="10"/>	International level	<input type="text" value="-"/>

3.23 No. of Awards won in NSS:

University level	<input type="text" value="-"/>	State level	<input type="text" value="01"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>



### 3.24 No. of Awards won in NCC:

University level	02	State level	01
National level	02	International level	-

### 3.25 No. of Extension activities organized

University forum	03	College forum	09
NCC	06	NSS	37
		Any other	02

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

- Extension and Outreach activities are those that cut across teaching, research, and service and represent an ongoing exchange between the College and the society at large. Vibrant outreach and extension activities will enhance the lives of our students and instil in them a deeper sense of service and also make them realize community involvement as a responsibility.
- Invited NGO's to exhibit and sell products in one stall during our cultural festival, 'Utsav Aarohan' and Academic festival, 'Samanvay'.  
Following NGO's put up their stalls:
  - a. 20<sup>th</sup> Dec : Sulabha Special school
  - b. 21<sup>st</sup> Dec : NASEOH
  - c. 22<sup>nd</sup> Dec : Paraplegic society
  - d. 23<sup>rd</sup> Dec: Pocket Pal
- To inculcate in our students an enhanced social responsibility and sensitivity towards the underprivileged, 14 students went to different in centers that serve in areas like health, education and disability assistance during their winter break, from 26<sup>th</sup> to 31<sup>st</sup> December 2016. Students helped the inmates of this organization in their daily activities, devised new methods and help them work it out with the underprivileged.
  1. NASEOH: 4 students  
Paraplegic Society: 6 students  
Vidyavardhini Foundation: 4 students
- College has adopted S K Patil College, Sindhudurg and as per a MoU, College shares the resources in the form of faculty exchange and sharing of facilities.
- Department of Microbiology, Botany, Zoology organized a 2-day workshop 'Exploring Biology' for students of Class IX of Sadhana Vidyalaya, Sion. Twenty five students, 12 from English medium and 13 from Marathi medium participated in this workshop
- In order to sensitize the students to basic issues of social inequity, Institutional Social Responsibility, Centre for Slum Studies conducted courses and also arranged Field visit to Dharavi slum, 31<sup>st</sup> August 2016, N Ward, Ghatkopar Slums, 17<sup>th</sup> Dec. 2016
- Awareness Lecture on Urban Environment Management, 9<sup>th</sup> September 2016, Politicization of Slums, 16<sup>th</sup> Sep. 2016, Women Empowerment and Slum Redevelopment, Reality of Slums 20<sup>th</sup> Sep 2016, Urban Poverty, 20<sup>th</sup> September
- Students also did a research projects on slums on Slum Rehabilitation Authority, Water and slums, Environment and Slums, sanitation and Slums, Food nutrition and slums etc,
- The centre also signed an MOU with International Company, Suez Environment India Private Limited, on Mumbai Water Distribution Improvement Programme.

- NSS and NCC students are also actively involved in extension programmes. They also conducted activities as follows:
- NSS unit of the college adopted two villages-. Nere village, Shantivan, Taluka- Panvel, District- Raigad and Vakde village, Shantivan ,Taluka- Panvel, District- Raigad. The following activities were carried out in the adopted village; Bandhara building, digging, painting, snake awareness lecture, Andhashraddha Nirmulan Drive
- Under Swachh Bharat Awareness Session NCC & NSS conducted Cleanliness Drive at Vasai (adopted village), Cleanliness checking around College, Street play Awareness for Swachh Bharat Abhiyan, Nirmalya Collection, E-Waste collection and Collection of Paper waste, Cleaning out of Old Files, Folders and Making of Best out of Waste
- Outreach programme carried out for the school children include - teaching the children of Ekalavya Parivartan Vidyalaya at Usgaon, (Dongri) Vasai , Shardashram, Mohite Patil School and Keluskar Education Project (Kurla).

## 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	112062.00 sq.mt	NA	-	112062.00 sq.mt
Class rooms	48	-	-	48
Laboratories	20	-	-	20
Seminar Halls	2	NA	-	2
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	-	7	CPE, CE & Star College	7
Value of the equipment purchased during the year (Rs. in Lakhs)	-	Rs. 2 crore 8 lakh	-	Rs. 2 crore 8 lakh
Others	-	-	-	-

#### 4.2 Computerization of administration and library

The Library is fully computerized and bar-coded using SLIM (Software for Library Management). All bibliographic details of books, journals are accessible through the Online Public Access Catalogue (OPAC). Circulation is done using bar-coding technology and Interface of the Smart I-Cards given to users. The annual stock-checking is done using Mobile Inventory Assistant device which is a mobile computer with an inbuilt barcode scanner and software application that helps in stock taking, shelving order & searching for specific items. Library information is also provided on Library's webpage in Ruia College website [www.ruiacollege.edu](http://www.ruiacollege.edu)

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value Rs.	No.	Value Rs.	No.	Value Rs.
Text Books	39062	Approx. Rs. 1 crore 60 lakh	327	42,099.00	39389	Approx. Rs. 1 crore 71 lakh
Reference Books	93402		1393	10,33,443.00	94795	
e-Books	Nil	Nil	Nil	Nil	Nil	Nil
<b>Total Books</b>	132464	~ 1,60,00,000.00	1720	10,75,542.00	134184	~ 1,71,00,000.00
Journals	84	Different every year	87	95,932.00	87	Different every year
e-Journals	Nil	Nil	Nil	Nil	Nil	Nil
Digital Database	Nil	Nil	Nil	Nil	Nil	Nil
CD & Video	Nil	Nil	Nil	Nil	Nil	Nil
Others (specify)	-	-	-	-	-	-

	All collection till 31.03.2016		Added in Yr. 2016-17		All collection till 31.03.2017	
	Titles	Copies	Titles	Copies	Titles	Copies
Books	105214	132464	1216	1720	106430	134184
Textbooks	21671	39062	105	327	21776	39389
Reference Books (Ref + Other bks)	83543	93402	1111	1393	84654	94795
Magazines	36	36	2	2	38	38
Current Journals	48	48	1	1	49	49
Indian	45	45	1	1	46	46
Foreign	3	3	-	-	3	3
Peer-reviewed Journals	17	17	-	-	17	17
Back Volumes of Journals	6536	6536	-	-		

Ruia Library is completely revamped and is converted into **Knowledge Resource Center** that enables continual information dissemination through the use of ICT. Redesigning & Renovation of current space provision (ideally designed for Library) includes –Larger & more number of Reading spaces within the Library, A new Reading Hall within the Library, A separate room for Teachers, A different Periodicals Section, A special OPAC room for students, Compact-stacking Cupboards for optimum utilization of space, CCTV network in Library for better security.

#### 4.4 Technology up gradation (overall)

	Total Computer s	Computin g Labs	Internet	Browsing Centres	Compute r Centres	Office	Departm ents	Others
Existing	188	9	60	1	1	14	82	21 ( Lib. + Language Lab)
Added	16	Nil	Nil	Nil	Nil	Nil	16	Nil
Total	204	9	60	1	1	14	98	21

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

- Moodle training to teachers teaching staff
- Tally training to Administrative staff

4.6 Amount spent on maintenance in lakhs :

i) ICT	5.054
ii) Campus Infrastructure and facilities	22.43
iii) Equipments	101.36
iv) Others	13.19
Total :	142.04

## Criterion – V

### 5. Student Support and Progression

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

IQAC conducts awareness programmes through various committees like Gender sensitisation committee against Sexual harassment, Anti-ragging Committee, Environment awareness committee, Vidhyarthi Pratinidhi Mandal and Nature Club.

#### 5.2 Efforts made by the institution for tracking the progression

- Head of departments provide monthly departmental report to the Principal in Departmental meeting.
- Student's feedback on teacher's teaching learning is evaluated by IQAC. In addition some departments conduct the feedback at the departmental level too.
- Each faculty is provided an Academic diary in the beginning of the academic year to keep the record of teaching plan and all co-curricular and extracurricular activities carried outwork carried out
- Departmental Profile and Personal Profile of faculty are collected at the end of academic year to assist evaluation and track the progression.

#### 5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2875	531	63	10(MSc RES)

#### (b) No. of students outside the state

01

#### (c) No. of international students

Nil

Men	No	%	Women	No	%
	999	30.42		2285	69.58

Last Year (2015-16)						This Year (2016-17)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
2235	447	50	525	65	3257	2032	382	48	525	65	3052

Demand ratio ~1:4

Dropout % ~1.5%

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

Career guidance & placement cell organised 4 work shop, 2 seminars and 14 motivational talks on various career options gearing the students up to various career options and interactive sessions in order to tap entrepreneurial abilities in students.

- Workshop on Group Discussion and Personal Interview, Resume Building ,Communication skill and Personality Development
- Seminars on Preparation for different competitive exams, Civil Service exams, Career options, Entrepreneurship
- Arranged for Campus Interviews
- Reaching out to needy students with available job opportunities
- organized Avenues-2016 for 7 days from 21.11.2016 to 28.11.2016 where 14 sessions were arranged for students

No. of students beneficiaries

#### 5.5 No. of students qualified in these examinations

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

#### 5.6 Details of student counselling and career guidance

516UG and 93 PG students availed the student counselling and career guidance facility from different departments.

No. of students benefitted

#### 5.7 Details of campus placement

On campus		
Number of Organizations Visited	Number of Students Participated	Number of Students Placed
L &T InfoTech	04	04
Delloitte	37	07
Cognizant	05	02
QUINTILES	05	01
Advanced Enzyme Technology Ltd	05	01
Alliance Française de Bombay	05	02

Greenpeace Foundation,	09	03
Educational Institute, Badlapur	01	01
ZydusCadila	12	Result awaited
Bank of Maharashtra	03	Result awaited
Aufklaren Event Management ,	01	-
Kohinoor Group,	01	Result awaited
US Vitamins	-	02
Intellectual Platform	01	Result awaited
Datamatics	03	Result awaited
Target Publications	06	02

### 5.8 Details of gender sensitization programmes

To sensitise the students about gender issues the following activities were carried out:

- As per the guidelines laid down by the UGC, The " Gender sensitization Committee against Sexual Harassment" has arranged two session on "The Sexual Harassment of women at workplace (Prevention, Prohibition and Redressal) Act, 2013"-on 8<sup>th</sup> February and 27<sup>th</sup>February 2017. The talk was delivered by experts from 'POSH at work' (Prevention of Sexual Harassment at work) regarding creating informed awareness among students about their rights as well as their duties. All MSc as well as the TYBA and TYBSc students ,who participated, were awarded certificates for attending the same.

**NSS unit of the college organised the following:**

- 'Women commuter safety' session by railway commissioner of police, Mumbai. students were made aware of the helplines numbers made available and instituted by the railways for the safety of the commuters on 16<sup>th</sup> July 2016;
- Under gender sensitization project, students from Ruia College participated in the 4 day residential camp organised by MAVA-an NGO. The objective of the camp was to install a deeper understanding of gender based issues in the society and instigate youth to stand up for these issues against gender discrimination issues (12<sup>th</sup>-15<sup>th</sup>Aug 2016 Deolali, Nashik)
- On 19<sup>th</sup> Sept 2016 students participated in a Gender sensitisation session by TISS. Students were explained about sexual harassment issues prevalent in the society and role of youth in curbing them. Also, youth were sensitized towards this grave issue and informed about the ways to tackle it.
- Students participated in a Gender survey arranged by Khalsa College, Mumbai on 14<sup>th</sup> Dec 2016. In this activity survey was conducted based on safety of women while travelling in local trains and later personal interviews were also conducted to get a brief idea about the difficulties faced by women.



## 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 Rs
Financial support from institution	--	--
Financial support from government	514	6634653/-
Financial support from other sources	--	--
Number of students who received International/ National recognitions	--	--

### 5.11 Student organised / initiatives –

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: **NIL**

## Criterion – VI

### 6. Governance, Leadership and Management

#### 6.1 State the Vision and Mission of the institution

*Vision*

“To emerge as a Center of Excellence in Higher Learning and Innovative Research to meet the challenges of the Global Society”

*Mission*

“Mainstreaming the practices that facilitate intellectual, emotional, physical and cultural growth of students”

#### 6.2 Does the Institution has a management Information System

The college runs ‘Centralized Computerization of Management System’ (CCMS), which is very effective in maintaining office and administration records, exam results, attendance, student data and faculty related information. College has made pre-admission form online from 2014-15. CCMS is also linked to the college website. The college has continually improved and maintained the quality and accuracy of management information system through the successful use of ICT. The MIS of the college is extremely useful in planning, maintaining and reviewing the data for taking decisions and preparing future strategies. For the smooth and effective functioning of the College, interactions with stakeholders comprising of faculty, parents, alumnae and the students, are organised. Feedback received from stakeholders are considered for continuous review and revision which are relevant to the changing needs of higher education.

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

##### 6.3.1 Curriculum Development

College follows the Curriculum set down by the University of Mumbai Board of Studies. Many of staff members are a part of BOS and become a part of reviewing and framing the syllabus. Since the college has become autonomous each department have designed the curriculum under autonomy.

##### 6.3.2 Teaching and Learning

Faculty members are motivated to use innovative teaching methods so that the teaching learning becomes student centric. Training sessions were conducted in Capacity building & strategies for enhancement in teaching and learning and also in Art of scientific writing. College introduced project based learning to UG students under DBT star college scheme. College also introduced Research base learning. Three faculty members underwent training at IISER for Research as a Pedagogical tool in teaching & learning.

### 6.3.3 Examination and Evaluation

Credit based grading system has been introduced as per University of Mumbai rules. It includes continuous assessment and end semester Examinations with 75:25 weightage for SY & TY and 100 for FY from this academic year. Under autonomy (2017-18) college opted for continuous assessment and end semester Examinations with 60:40 weightage.

### 6.3.4 Research and Development

- College has a long tradition of research and fosters research culture among the faculty and students. College has an Innovation and Research Committee to encourage the active involvement of faculty and students in research. Teachers are encouraged to apply for research projects and also to attend/ present their research papers at seminar/ conferences, National and International level. At present there are 04 Major and 05 minor ongoing research projects and 01 Major and 02 minor completed research projects. 53 research papers have been published by faculty in reputed Journals and 35 in conference proceedings. Through DBT star college scheme, research culture is encouraged among UG students. College has an IPR cell and helps in filing the patents.
- To support travel of research scholars for presenting their research work in seminars and conferences. Two travel fellowships namely; SBK Award (USD 500), one for biological science and one for chemistry and Netravali Research Paper Competition (Rs. 50,000/-) have been instituted.

### 6.3.5 Library, ICT and physical infrastructure / instrumentation

#### **Library:**

The Library is fully computerized and bar coded. Circulation of the books is automated with bar -coded technology and Smart I-Cards for users. The annual stock-checking is planned to be done using Mobile Inventory Assistant device with an inbuilt barcode scanner and software application. Redesigning and renovation of library include larger and more number of reading spaces, a separate reference section, a separate study room for teachers, a separate periodical section and an OPAC facility.

**ICT :** 40 Smart classrooms and 11 smart labs laptop and a LCD projector. One lab and one class room with smart board. A total of 16 computers were added in the current year in various departments. In addition in the library there is an e learning centre with 20 computers.

**Physical infrastructure / instrumentation:** Smart class rooms, Language Laboratory, seminar halls, conference rooms, audio visual rooms, Administrative offices, staff rooms, well equipped laboratories, library, students' common room, canteen, Health Centre, Self Vision Centre, Department of Culture and Media and Sports facility. College also has an Advanced Instrumentation Centre equipped with a number of sophisticated instruments. Under B Voc programme (Green House Management) college has set up a poly house, three shade net houses, an aquaponic unit and a soilless cultivation unit

### 6.3.6 Human Resource Management

- The Performance Appraisal of faculty is conducted every year on various criterions. Accordingly, suggestions are provided for further improvement and achievements are appreciated. The students feedback received is also useful in determining the performance of the faculty. Every year parent's feedback is also taken for the improvement at departmental level.
- During the Heads of department meetings and common room meetings, innovative ideas and plans to be implemented are discussed for acquiring suggestions of teachers.
- Teachers attended 14 UGC sponsored and 56 non UGC sponsored workshops, Seminars conferences and trainings.
- 05 teachers availed FDP for completing their doctoral degree and 04 teachers acquired their doctoral degree in this Academic year. Two teachers completed short term courses.

### 6.3.7 Faculty and Staff recruitment

Faculty and staff are recruited as per Maharashtra State Government regulations. The selection panel is decided as prescribed by the Government standard code. Selection is done according to the Government Norms.

### 6.3.8 Industry Interaction / Collaboration

College has established interaction and collaboration with 18 industries and 13 Institutes and College has signed MoUs for collaborations and student exchange - Higher Education Academic Partnership with the Commonwealth of Pennsylvania (2014), Westchester University (2016) and Harrisburg University (2017).

### 6.3.9 Admission of Students

The admission process is as per the rules and regulations of the University of Mumbai. In accordance with the directives of the University, application forms are accepted, three Merit lists are displayed and the admission process is completed on the stipulated dates provided by the University. The University has now, centralized the system at the entry level. It has made it mandatory for the students to apply online and then seek admission to the Institutes. The College website and Prospectus contain information about the institution and the programmes offered. The prospectus that highlights the details of various programmes of the College is prepared by IQAC prior to the commencement of admissions. The prospectus also gives details of norms for admission, cancellation, exam pattern and also the Academic calendar. It is given to the applicants along with the application form. A Help Desk is set up during admissions. College has a web based centralized college management system (Master software) for managing Academic and administrative activities. Preadmission form is online.

6.4 Welfare schemes for

Teaching	Financial assistance to teachers for participating and presenting papers in seminars and conference
Non teaching	Educational aid to wards of Non- teaching staff
Students	Yuva Raksha Earn and Learn Each One Adopt One Student counselling support

6.5 Total corpus fund generated

Rs. 66, 46000/-

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	University of Mumbai	Yes	College made a committee with external Subject experts
Administrative	Yes	-	Yes	Management

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?

University of Mumbai has introduced credit based semester grading system.

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

University of Mumbai conducted a meeting of Principals of the colleges with B and above grade in NAAC accreditation. The College has been granted Autonomous status with effect from the academic year 2017-2018.

### 6.11 Activities and support from the Alumni Association

Ruia College Alumni Association (RCAA) organized a fund raising programme 'Mehfil-e-Ghazal by maestro Hariharan on Saturday, April 2<sup>nd</sup>, 2016 at Manik Sabhagruha, Bandra, Mumbai. On 15<sup>th</sup> August 2016, RCAA felicitated 4 meritorious students and 4 sports achievers from Senior and Junior College.

RCAA organised a lecture on 'Common Emergencies and Basic Life Supporting Skills', on December 7<sup>th</sup>, 2016.

The medical camp for the academic year 2016 – 2017 was held on 14<sup>th</sup> and 15<sup>th</sup> December 2016. A total number of 220 students and 20 administrative staff were examined by a team of 7 doctors.

This year, RCAA sponsored the refurbishment of the Ladies Washroom on the second floor of the new building and one class room in first floor of the main building.

The Jewel of Ruia and Rising Star 2016 award function was held on 21<sup>st</sup> January 2017. The Jewel of Ruia awardees were Dr Rajendra Badwe, Oncologist and Director, Tata Memorial Centre, Mumbai and Mr Sandeep Patil, Former Test Cricketer and Selector, BCCI. The awardees of the Rising Star 2016 were Dr Avinash Shenoy, Faculty, Imperial College, London and Mr Sameer Wankhede, Additional Superintendent of Police, NIA.

### 6.12 Activities and support from the Parent – Teacher Association

It is mandatory for the parents of First semester students to attend an Orientation which is addressed by the Principal. Departments also organise meetings with parents to make the parents familiar with the credit system, workflow/ annual calendar of the department or co curricular activities organized by the department. These meetings are platforms to gain inputs on curriculum, in bringing in knowhow, suggesting qualitative changes in teaching/learning and identifying significant research areas.

### 6.13 Development programmes for support staff

*Teaching Staff: Work shop on*

- Capacity building & strategies for enhancement in teaching and learning
- Art of Scientific Writing
- Values in Education
- Character-building through meditation

*Non Teaching Staff-*

- Effective workplace relationship
- Tally

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

- Organised a lecture on
  - 'Waste To Wealth', 13<sup>th</sup> August 2016.
  - 'Waste Recycling and paper bag making' in Collaboration with an NGO, Green City
  - e-waste management by E-Incarnation Recycling Pvt. Ltd., on 20<sup>th</sup> Jan.2017
- Visit to Asia's biggest Water Treatment Plant at Khindipada, Mulund , on 4<sup>th</sup> January 2017
- Waste paper collected from various departments of college was recycled through Stree Mukti Sangathana.

## 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.

- College has established interaction and collaboration with 18 industries and 13 Institutes. College had signed MoUs for collaborations and student exchange - Higher Education Academic Partnership with the Commonwealth of Pennsylvania (2014), Westchester University (2016). In addition to this, a MoU has been signed with Harrisburg University this year (2017).
- Six more departments of the college- Department of Mathematics, Statistics, Biotechnology, Biochemistry, IT and computer science department received DBT Star college scheme.
- New software for Mathematics department for effective content delivery and for research the -Matematica-11 has been procured ( 10 licences)

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

- Conducted an internal Academic Audit from 10<sup>th</sup> October to 15<sup>th</sup> Oct 2016
- Conducted an Academic Audit by the University of Mumbai on 9<sup>th</sup> Jan 2017
- Initiated awareness lectures to inculcate value system among the students.- 'Values in Education' on 21<sup>st</sup> January 2017; Character-building through meditation on 10<sup>th</sup> February 2017.
- 18 departments initiated ISR activities
- Adopted S K Patil College at Malvan, Maharashtra to facilitate academic development through sharing of knowledge, infrastructure and other possible resources available at Ruia College
- Organised workshops / skill development activities for students , teaching staff and support staff
- Organised environmental awareness activities through Environment awareness committee
- Submitted the Self Study Report to NAAC for reaccreditation cycle-4

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

Title of the practice:

- 1. Laboratory safety workshops**
- 2. Fostering of social responsibility**

*(Provided the details in Annexure III)*

#### 7.4 Contribution to environmental awareness / protection

- Environment Awareness Committee (EAC) with Chemistry Department, organised a lecture on 'Waste To Wealth' by Ms Chitrlekha Vaidya on 13<sup>th</sup> August 2016.
- EAC & IQAC with Chemistry Department, organized a workshop on 'Waste Recycling and paper bag making' in Collaboration with an NGO, Green Citi on Friday, 16<sup>th</sup> December 2016
- EAC and Department of Chemistry jointly organized a visit to Asia's biggest Water Treatment Plant at Khindipada, Mulund, on 4<sup>th</sup> January 2017 under Star College Scheme.
- Waste paper collected from various departments of college (Total 1900 Kg) was given to Stree Mukti Sangathana for recycling.
- With chemistry dept., a lecture was organized, on e-waste management by Mr. Rahul Kanojia, of E-Incarnation Recycling Pvt. Ltd., on 20<sup>th</sup> Jan. 2017.
- Students and staff of Botany Department and NCC were involved in the care and plantation of trees in nearby area of the college (Hindu colony & Parsi colony).
- Under the leadership of NSS students, an e-waste collection drive was carried out.

7.5 Whether environmental audit was conducted?      Yes            No     

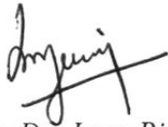
7.6 Any other relevant information the institution wishes to add. (For example SWOT Analysis)

STRENGTHS	WEAKNESS
<ul style="list-style-type: none"> <li>• Institution with a high academic reputation nationally as well as Internationally</li> <li>• Academic and research collaborations with institutions of repute within and outside country</li> <li>• Strong research culture with very good research facilities and strong industry linkages</li> <li>• Highly qualified and versatile faculty with research background</li> <li>• Large number of subject combinations offered to students in Arts and Science</li> <li>• Structured mentoring and student support system</li> <li>• Excellent library facilities</li> <li>• Integration of ICT in teaching learning</li> <li>• Good infrastructural facilities for sports and games</li> </ul>	<ul style="list-style-type: none"> <li>• Restriction/ ban on recruitment of teaching and support staff by the state government</li> <li>• Very limited scope for expansion of the campus in Mumbai</li> </ul>
OPPORTUNITIES	CHALLENGES
<ul style="list-style-type: none"> <li>• Developing and strengthening industry-academia partnership</li> <li>• Scope for dual/ twinning programs with highly reputed national and international Universities</li> <li>• Exploring more interdisciplinary and multidisciplinary academic activities</li> <li>• Expanding opportunities for undertaking multidisciplinary and interdisciplinary research activities at both national and global levels.</li> <li>• Expertise of faculty to tap the corporate sector for consultancy and funding for research projects</li> <li>• Further strengthening of Alumni Association for its support to its alma mater</li> </ul>	<ul style="list-style-type: none"> <li>• Financial self-sufficiency to make all activities sustainable</li> <li>• To attract students towards basic sciences</li> </ul>



8. Plans of the Institution for next year

- To get Autonomous status
- To increase the employability and entrepreneurship prospects of students
- Introducing more online certificate/ diploma courses independently or in collaboration with other universities
- Dual/ twinning programs with highly reputed National and International Universities
- To organise 'train –the trainers' programme
- To enhance the Institutional Social Responsibility
- To strengthen the training of the students for competitive / entrance exams
- To strengthen gender sensitisation activities
- To strengthen the activities for inculcating value system among the students
- To initiate the Archives of Ruia College



Name: Dr. Jessy Pius

Signature of the coordinator, IQAC



Name: Prof. Suhas Pednekar

Signature of the Chairperson, IQAC

**Academic Calendar of the Year 2016-17**

S. P. MANDALI'S

RAMNARAIN RUIA COLLEGE  
MATUNGA, MUMBAI- 19.

**I & III - SEMESTER**

- I / III SEMESTER INTERNAL CLASS TEST EXAMINATION 4TH WEEK OF AUG.-2016
- OLD COURSE ATKT EXAMINATION : NOVEMBER – 2016.
- ARTS /SCIENCE/BMM/ BIOANALYTICAL Sc. I & III SEMESTER END EXAMINATION:  
1<sup>ST</sup>WEEK OF OCTOBER 2016.
- RESULT DECLARATION : 1<sup>ST</sup>& III<sup>RD</sup> SEMESTER RESULT  
3<sup>RD</sup>WEEK OF NOVEMBER- 2016.
- A.T.K.T. & ADDITIONAL EXAMINATION ALL SEM 4<sup>TH</sup>WEEK OFNOV.- 2016

**II & IV- SEMESTER**

- II / IV SEMESTER INTERNAL EXAMINATION 1<sup>ST</sup> WEEK OF FEB.-2017
- ARTS /SCIENCE/BMM/ BIOANALYTICAL Sc. II<sup>ND</sup>& IV<sup>TH</sup> SEM: 1<sup>ST</sup>WEEK OF MARCH 2017
- RESULT DECLARATION : II<sup>ND</sup>& IV<sup>TH</sup> SEMESTER RESULT  
1<sup>ST</sup>WEEK OF APRIL 2017.
- A.T.K.T. & ADDITIONAL EXAMINATION – 3<sup>RD</sup>WEEK OF APRIL- 2017.
- A.T.K.T. & ADDITIONAL EXAMINATION RESULT 2<sup>ND</sup>WEEK OF JUNE- 2017.



Dr. Mohsina Mukadam

**VIDYARTHI PRATINIDHI MANDAL (VPM)  
CALENDER**

**2016-17**

PROGRAMME	DATES
1. FRESHERS' PARTY	30 <sup>TH</sup> JULY 2016
2. MONSOON SPORTS	4 <sup>TH</sup> /5 <sup>TH</sup> /6 <sup>TH</sup> AUGUST 2016
3. INDEPENDENCE DAY / PRIZE DISTRIBUTION FUNCTION	15 <sup>TH</sup> AUGUST 2016
4. TEACHERS' DAY	3 <sup>RD</sup> SEPTEMBER 2016 ( SINCE 5 <sup>TH</sup> SEPT. 2016 IS A HOLIDAY BECAUSE OF GANESH CHATURTHI)
5. ROSE DAY	24 <sup>TH</sup> SEPTEMBER 2016
6. UTSAV- AAROHAN :INTRA & INTERCOLLEGIATE CULTURAL FESTIVAL	20 <sup>TH</sup> /21 <sup>ST</sup> /22 <sup>ND</sup> DECEMBER 2016
7. COLLOSEUM / RUIA CUP : INTRA & INTER COLLEGIATE SPORTS COMPETITIONS	20 <sup>TH</sup> /21 <sup>ST</sup> /22 <sup>ND</sup> DECEMBER 2016
8. TRADITIONAL DAY	14 <sup>TH</sup> JANUARY 2017
9. COLLEGE DAY	26 <sup>TH</sup> JANUARY 2017
10. VPM DAY	28 <sup>TH</sup> FEBRUARY 2017

Dr. Manish Hate  
Chairperson,  
Vidyarthi Pratinidhi Mandal

## Analysis of feedback

**STAFF ASSESSMENT REPORT-2016-17**

The college conducts (formally and informally) the exercise of evaluation of faculty by students. Students are asked to grade teachers on a 10 point scale under different aspects, like punctuality, knowledge of their subject, innovative teaching aids used, interactive sessions conducted, additional information beyond syllabus, availability and accessibility etc. From 2013-14 onwards the feedback mechanism was upgraded and was conducted online. Each teacher is then given a report (in confidence), containing the average grade point (AGP) obtained by him/her under each of the aspects. This report is able to point out the strengths and weaknesses of a teacher with a fair degree of accuracy.

In 2016-17, 40% of staff were graded with an AGP above 9.1, 38% between 8.1 to 9.0, 17.7% between 7.1 to 8.0 and 4.4% between 6.1 to 7.0 in Theory. 50% of staff was graded with an AGP above 9.1, 38.2% between 8.1 to 9.0, 9.2% between 7.1 to 8.0 and 1.8% between 6.1 to 7.0 in Practical.

Each teacher is then asked to write an action taken report about the changes brought about by him/her in the light of this feedback. If the reports of some teachers point out some major lacunae, the Principal counsels these teachers and keeps a track of their performance.

**REPORT OF THE PARENTS MEETING 2016-17**

Parents Feedback was obtained through a questionnaire through departmental meetings. This year the departments conducted parents meeting and College received feedback from 1320 parents. On analysis of the report, it was found that majority of the parents were satisfied with the subject combinations provided by the college, quality of teaching, Infrastructural facilities provided by college. They also appreciated the efforts taken by the department for over all grooming and personality development of their children, the departmental activities and encouragement to the students for participation in various co-curricular and extra-curricular activities. They were also appreciative of the Students mentoring activity.

Some of the suggestions which came from the parents include:

- Up gradation of curriculum. At present, the curriculum as per the Mumbai University guidelines, and parents found in some subjects it does not prepare the students enough to clear the entrance exams of many leading post-graduate institutions in India and abroad.
- According to some parents, one internal assessment exam (25 marks), does not solve the purpose of continuous learning and assessment. Instead industry oriented projects/research papers may serve the purpose.
- Some parents were insisting on having a Honours Programme with more rigorous course in which more papers of the specialization subject could be covered.
- Some parents also suggested a one semester compulsory internship for industry and job experience.
- They suggested that oral component and project-based evaluation be introduced in the curriculum.
- Most of the parents expect that college should provide a regular information about the attendance and performance of their wards to the parents.
- Since the college has been completed the visit by UGC expert committee for sanctioning Academic autonomy (19<sup>th</sup> & 20<sup>th</sup> December 2016), Based on the suggestions given by parents, the departments will be upgrading the syllabus with industry oriented projects/research papers, project-based evaluation. Under autonomy college will be introducing a mobile application to provide regular information about the attendance and performance of the wards to the parents.

The interactive session with the parents helps the college to know the points for improvement

**Title of the practice:**

**1. Laboratory safety workshops**

**Goal:**

The main goal of this innovative workshop for students is to create awareness of the hazards associated with the handling of chemicals, proper handling and caring for equipment, glassware and reagents, basic safety procedures used in a biological laboratory and also proper use of fire extinguishers for all science students and staff (teaching and non-teaching) and also to identify the proper disposal of various hazardous wastes generated in the biological lab and also to discuss the hallmarks of good safety practices.

**The context:**

To emphasize the importance of safety education in building an effective safety culture in academic institutions and identifying and evaluating hazards in research laboratories. This also helps build critical thinking and problem solving skills by applying chemical theories and principles to actual laboratory activities and experiences.

**The practice:**

UG students are encouraged to take up small research projects under The Star College Scheme and CE scheme to develop their interest in research. Due to prolonged working hours in the laboratory, it is vital for the students to not only be aware of the risks and hazards encountered in the laboratory but also implement effective safety measures.

The Safety and Security Committee of the College initiated 'Safety Workshops' from 2014-15 onwards. These workshops have been conducted in 2014-15 for all the students of science stream from First Year to MSc Part II. In the subsequent years, these workshops were conducted for all students of FY B Sc and M Sc part I.

**Evidence of success:**

Safety and security committee organised Chemical handling and laboratory safety workshops for all first year science students and support staff of all science departments by Dr Rajiv Jukar and Dr. Sunil Divekar, eminent experts from industry who have experience of more than two decades. Demonstration session on the use of newly purchased fire extinguishers was organized for teaching support staff of the college in the Quadrangle.

Activities organised:2016-17

- Workshops on 'Safety measures in biological sciences and chemistry Laboratories' - (FY B Sc)
- Fire extinguishers :Refilling and checking the status of expiry dates of all fire extinguishers in the college
  - Safety manual for department of Physics
  - Demonstration on how to use Fire extinguisher
  - First aid boxes: checking the status
  - First Aid training
  - Electrical safety review
- Workshop on "Chemical handling and laboratory safety" for F.Y. B.Sc, M.Sc, F.Y.& S. Y. B.Voc students was organized on 7<sup>th</sup>January 2017 from 9.30 am to 2.00 pm in auditorium. Total 300 students attended the workshop.
- Workshops on safety in biological Sciences for F.Y. B.Sc students of biological science subjects were organized batch wise, on 17<sup>th</sup>and 18<sup>th</sup>November 2016. Dr. Hansa Boricha conducted the workshops. Total 100 students attended the workshops.
- Distribution of new Fire Extinguishers was done on 26<sup>th</sup>and 27<sup>th</sup> August 2016. Collection of existing old fire extinguishers was completed by end of September 2016. Old Fire Extinguishers were sent for

checking and refilling on 17<sup>th</sup> Dec. 2016 to Oust - fire safety engineering. Checked & Replenished Fire Extinguishers were restored at their original places in the month of January 2017.

- In association with Ruia College Alumni Association (RCAA), a lecture on First –Aid ( Common Emergencies and Basic Life Support skills ) by Dr. Nandini Dave from KEM Hospital was organised on 7<sup>th</sup> Dec. 2016 in F 11. Total 120 students attended the lecture.
- Eight sets of basic first aid kits, donated by RCAA were given to following departments on 22<sup>nd</sup> Dec.2016 - i)Chemistry (2 sets for UG & PG) ii) Departments of Biological Sciences iii) Microbiology iv) Biochemistry v) College staff room vi) Gender sensitisation committee.
- Around 15 students with, Dr. Hansa Boricha , participated in “ Walkathon on Road to Safety” on 12<sup>th</sup> January, 2017 . This event was organised by NDTV, the leading news channel of India, at Girgaon Chowpatty, Mumbai, Maharashtra. Students performed 3 skits, on the issue of road safety in the event.

**Title of the practice:****2. Fostering of social responsibility****Goal-**

Institutional Social Responsibility at the Institutional level; encourages and propels students to imbibe the qualities of enlightened leadership and thereby instils in them a level of trust and confidence about themselves and the community.

The main goal of involving students in social responsibility activities is to expose them to social issues and make them aware of their roles, responsibilities and duties as well as their rights. Also to develop several organisational skills from planning to execution, team work, cooperation, this enriches them to be a better human being with leadership qualities.

**The context:**

Higher Education Institutions expose the students including many who join as first generation learners, to a new world of ideas. In addition to learning their core subjects, the students are sensitised to social and environmental issues. The learning process is supported by research and development, consultancy and social / environment awareness enable the students to maximize their potential and develop their personality. Proper guidance and support by the institutions at this juncture reinforces their ethical and social responsibilities. Participation in such activities gives the students a first-hand experience of the same and helps in character building and motivates them to become responsible citizens of the country. Keeping this in view that the College has taken efforts to initiate 'fostering of social responsibility' as an integral part of the strategy in the recent years.

It is with this in view that the College has taken efforts to initiate 'fostering of social responsibility' as an integral part of the strategy in the recent years.

**The practice:**

Plans are laid down for carrying out social activities like camps and other programmes with the consultations of Non-Governmental organizations.

The following institutional mechanisms support students' involvement in various social movements / activities which promote citizenship roles:

- NSS
  - NCC
  - Centre for slum studies
  - Environment awareness Committee
  - Extension and outreach activity committee
  - Departmental activities
- 
- The Environment awareness Committee and Extension and outreach activity committee of the college gives suggestions to the departments to encourage the students to take part in such activities, sensitise them to the social issues and also to organise awareness programmes for the same.
  - Volunteers of NCC and NSS arouse interest among students by displaying informative posters and also visit each class for canvassing.
  - The college management has been always supportive in providing the needed infrastructural facilities and also gives freedom of planning and execution to the staff concerned.
  - Certificate of appreciation and acknowledgement and awards are given to students and faculty members of NSS/NCC for their active participation on the college day to celebrate their success and motivate their efforts. The best NSS and NCC students are felicitated on the College Annual Day for exemplary work done throughout the year.

**Evidence of success:**

- Ramnarain Ruia College has entered into an MOU with S.K. Patil, Sindhudurg College, Malvan, Maharashtra(2016-17) to stimulate and facilitate academic development of S.K. Patil College through sharing of knowledge, infrastructure and other possible resources available at Ruia College.
- Various Associations and departments collaborated with NGOs like ‘VigyanBharati’, ‘Envirovigil’, ‘Jidnyasa’, ‘Blue Ribbon movement’, ‘Prayas’ and ‘Stree Mukti Sanghatana’.
- In the Arts stream, the Department of Marathi organized the annual public lecture series, The Pandit Vishnushastri Chiplunkar Vyakhyanmala, on the following socially relevant themes: ‘Critical analysis of caste system’; ‘Human Rights and Womens rights’ and ‘100 years of Indian Movie’.
- The college through the members of NSS & NCC conducts socio-economic surveys of the different schemes introduced by the government for upliftment of under privileged communities. The NSS volunteers are always ready to serve the people who are in distress. Ruia college is the home for around 64 visually challenged students. Student volunteers help these students in reading, writing and recording their notes and writing internal, external examinations.
- The institution ensures the involvement of the community organising various activities such as antiplastic drive, cleanliness drive, e-waste management, cancer awareness program, anti-aids rally, and Hashradhan Nirmulan drive etc. through Environment Awareness committee.
- Ruia NSS organises blood donation camp, save water project, Malaria awareness program, tree plantation drive, peace rally annually. NSS volunteers help the ADIVASI girls in subjects like Mathematics, Science and English of grades 5th-8th at Vidhayak Sansad-Shramajeevi Sanghatna’s Eklavya Parivartan Ashram-School at Usgaon, Vasai every Saturday.
- Under Swachh Bharat Abhiyaan Mission volunteers took the charge of cleaning college premises. Nere village and Vakdi village in Shantivan, Panvel, Raigad have been adopted by the NSS Unit of Ruia College and is vigilant towards the progress of these villages. Our NSS students present street plays and organize protest marches against anti-social activities such as Violence against Women, Child Labor etc.
- Centre for Slum study conducts visits to slums like Dharavi, Bandra, Worli and Annabhau Sathe nagar and Mankhurd to sensitise the students to slum life. They also take up Social issues such as cutting of Mangroves, Save water, problems of Street children, Social mapping etc.. The Ruia Slum study centre in collaboration with Samtol Foundation conducted a survey to understand problems of street children.

\*\*\*\*\*