



## Annual Progress Report of College

### Internal Quality Assurance Cell

2017-2018

Name of the College	Fergusson College (Autonomous), Pune
Address of College	Fergusson College Road, Deccan Gymkhana, Pune
Type of College/Financial Status	Grant-In-Aid and Self Finance
Year of Establishment	1885
Status of College	Autonomous
Date of conferment of Autonomous Status by UGC	16 <sup>th</sup> June, 2016
Name of the Affiliating University	Savitribai Phule Pune University
Type of Faculty/ Programmes	Arts and Science
Name of Principal	Dr. Ravindrasing Pardeshi
Special Status	UGC-CPE and CE Status DBT STAR College Scheme and STAR Status
New Programmes Introduced (undergraduate/post graduate/ diploma/ Certificate)	M. Sc. Computer Applications b. Certificate Course in MEAN Stack Web Development c. Certificate Course in Intellectual Property Rights

### Curricular Aspects

1. Major Revisions in second / third year / PG syllabi
2. Self learning Course for PG
3. Skill component in undergraduate curricula
4. Curriculum Development workshops for all departments. These workshops were organized by the departments to prepare structure of third year syllabi. In this workshop, experts and academicians apart from those in Board of studies participated and gave their valuable inputs. These inputs were presented in Board of Studies meetings and then incorporated in the syllabi.

### Teaching- Learning and Evaluation

1. Projects for S. Y. and T. Y. B. A. courses with predefined parameters of assessment (100 M)
2. Project based learning (regular curriculum + DBT STAR scheme + UGC-CE scheme)
3. **Extra Credits** for Volunteers of SOEC and Science Education initiative (SEI)
4. "Hands On training for undergraduate students"
5. Interdepartmental learning through Add on practical under STAR Scheme
6. "MOOCs" courses (SWAYAM, UGC): 25 students have enrolled

Feedback on teaching - learning: (Scale 0 to 4)

1. On-line Mechanism (ERP)

2. Separate dedicated Feedback Team; meets every Saturday during implementation period
3. Conducts regular orientation / awareness programmes for all UG and PG students
4. Cut Off: 2.5; Teachers scoring below 2.5 are communicated
5. Conducted for all semesters for all academic programmes
6. Parameters for teachers' assessment:
  - Communication skills (in terms of articulation and comprehensibility)*
  - Knowledge base of the teacher*
  - Inputs beyond the curriculum*
  - Use of ICT and other teaching methods*
  - Accessibility of the teachers in and out of the class (includes availability of the teacher to motivate further study and discussion outside the class)*
  - Overall Quality of teaching*

#### Skill Enhancement Programmes

1. LINUX awareness
2. ICT and IoT
3. Basics of Data Analytics with R
4. Basics of machine Learning with R
5. Basic Statistics using R software for Life Sciences
6. Special lecture Series on IPR

#### Examination and Evaluation Reforms

'Workshop on "Examination Reforms" under autonomy (27<sup>th</sup> July, 2017) was conducted by Examination team of Symbiosis College of Arts and Commerce (Autonomous), Pune. The focus of the workshop was to discuss reformations in assessment / examination pattern for Arts subjects.

1. Earlier Three CIA
2. Now Two CIA
3. CE-I Flexible Method
4. CE-II Online; Off line for Humanities and Languages
5. CE-III - Attendance + Active participation.

#### Training of Teacher's at Centres of Higher Learning and Excellence

1. IISER - 02 teachers
2. Research-Based Pedagogical Tools (RBPTs) Workshops organized by DBT: 04
3. HRDC: 06 Teachers.
4. Participation in RUSA Consultative Meets for preparing Curricula of Skill Development courses: 06 Meetings
5. Workshop on "Safety Mechanism while Social Surfing in Virtual Spaces" under ICC.
6. Seminar on, Science, Spirituality and Success.
7. Digitization Dialogues (A dialogue on the opportunities and challenges, companies, academia and society face in the new digitization world, in collaboration with Consulate General of Sweden.

#### Innovations in teaching-learning

1. Integration of Social Surveys / Community Studies in Arts Programmes.
2. 'Add-On Practicals and Inter-disciplinary Practicals for Undergraduate Science Programmes under DBT STAR Scheme.
3. Open Electives for T. Y. B. Sc.

4. Skill oriented programmes (especially for Professional Courses) for Post Graduate Science students
5. Inculcating sense of Social Responsibility in students through initiative of Social Outreach Center and 'Science Education Initiative'.
6. Introduction of Foreign Languages - German and French for Undergraduate Science Students.

## Research, Innovations and Extension

### Extension and Outreach

Science popularization through exhibitions and awareness generation programmes

Reaching out to schools

Science Education Initiative (SEI) is a project that brings world-class Science and Math education to low-income classrooms)

37 student volunteers for SEI

### Impact of SEI

Increase in the number of classrooms (5<sup>th</sup> to 9<sup>th</sup> Standard)

a. 5<sup>th</sup> Standard: 41 Classrooms (1330 students)

b. 6<sup>th</sup> Standard: 25 Classrooms (720 students)

c. 7<sup>th</sup> Standard: 26 Classrooms (750 students)

d. 8<sup>th</sup> Standard: 05 Classrooms (240 students)

9<sup>th</sup> Standard: 04 Classrooms (150 students)

f. Pune Science Festival: Exhibition of Science projects / posters by Municipal Corporation school students (98 students from 8 schools, 24 students from grade 6 and 35 students from grade 7 classes appeared for level 1 of International Math Olympiad.

### SOEC (Social Outreach and Enabling Center)

300 volunteers who work with 15 NGOs.

Introduced new assessment method for awarding extra credits

Working with 15 NGO's

### SAATHI Enabling Center (For Differently abled Students)

1. Orientation programmes
2. Paintings Exhibition by Shri. Chintamani Hasabnis for Blind students,
3. "Help the Blind Foundation" Chennai, Scholarships (Rs. 7,000 per student / year): 30 Students received scholarships
4. Scholarship from Hindustan Petroleum (Rs. 5,000 per student / year): 38students received scholarships

## Infrastructure and Learning Resources

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	65 acres	-	Deccan Education Society	65 acres
Class rooms	49	-	Deccan Education Society	49
Laboratories	69	-	Deccan Education Society	69
Seminar Halls	04	-	Deccan Education Society	04
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	99	40	DBT STAR	139
Value of the equipment purchased during the year (Rs. in Lakhs)	-	36,35,108.00		-
Others Restoration of Museum Specimens and Demonstration Set Up in Geology, Zoology and Physics	-	20,00,000.00	UGC Special Heritage Status	-

### Library Services

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	5100	-	1561	-	-	-
Reference Books	12000	-	750	-	-	-
e-Books	-	-	132	-	-	-
Journals	93	-	93	-	-	-
e-Journals	-	-	31	-	-	-
Digital Database	-	-	-	-	-	-
CD & Video	205	-	-	-	-	-
Others (specify) Manuscripts	1396	-	-	-	-	-

### Technology Upgradation

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	750	13	03	02	-	35	549	-
Added	-	01	01	01	-	-	40	-
<b>Total</b>	<b>750</b>	<b>14</b>	<b>04</b>	<b>03</b>	<b>-</b>	<b>35</b>	<b>589</b>	<b>-</b>

## Student Support and Progression

- (a) The College has well established “Counselling Center” – MAANAS in Department of Psychology. Inhouse students who wish to undergo counselling visit the department and participate in counselling sessions. This Center also provides counselling in other areas like Children related issues, adolescence, family counselling, old age counselling, young and adult counselling.
- (b) The College has well established ‘Career Facilitation Centre’ for training and placement of students. The activities of this Cell have increased exponentially and it is now responsible for carrying activities with Industries, partnering with industries, taking feedback on the syllabi developed under autonomy, carry out Pre Placement and Placement Activities for all programmes and also Entrepreneurship development programmes. Sectorial Career Summit was organised under this Center to make students aware of different industries, their work and employment opportunities. A three day workshop on “Entrepreneurship” was conducted for Science students in collaboration with “Science and Technology” of the University.

## Industry Interface and Career Guidance

1. Sectorial Career Summit: To give an insight to the students about various opportunities in different allied sectors other than their academic specialization.
2. Campus to Corporate Program: To upgrade the skills of the students according to the industry standards.
3. *Innovision* (Research Project Competition): *Innovision* 2018 is a competition held to showcase innovative practices of students and teachers who have an exceptional research idea or creative project in their respective fields. The goal of the *Innovision* competition is to promote research and developmental activities and to encourage information exchange between researchers, developers, students and practitioners working in various academic disciplines, industry, public, government and social sectors.

## Placements

	<i>On campus</i>		<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
120	UG:80% PG:90%	100 (UG) 300 (PG)	60

## Scholarships

	Number of Students	Amount (In Rs.)
Financial support from institution Smt. Champutai Gokhale Scholarship	7 (Chemistry + Physics)	1,00,000
Financial support from government State Government Scholarship	790	85,66,086
Financial support from other sources Savitribai Phule Pune University, Pune	390	5,20,000
Number of students who received International / National recognitions	25	1,25,000

## Internal Quality Assurance System

1. Study of best five institutes/ colleges curriculum.  
Several departmental and common meeting of teacher's were conducted before the actual framing of curriculum. Experts from autonomous colleges were invited to interact on their experiences while designing the curriculum. This gave a fundamental insight on how the syllabi/ curricula should be designed and developed. Apart from this, each department were asked to carry out homework of their respective syllabi from best universities/ colleges/ institutes in India and abroad.
2. Refer model curricula prescribed by the UGC.  
Apart from the above mentioned exercise, Model Curricula developed and posted on UGC website were also referred. Content of some papers in some subjects have also been used to prepare syllabi under autonomy.
3. Curriculum Development Workshops were made mandatory for all the departments, apart from Board of Studies meeting which helped in evaluation of syllabi prepared under autonomy.
4. Feedback from the present students and Alumni has been given due consideration while preparing the syllabi under autonomy.
5. Industry Interface in Curriculum Design and Development is practised for all academic programmes under Autonomy.
6. Curriculum Development - Bench marking of Curricula.
7. Teaching-Learning - Use of ICT.
8. Feedback on teaching - learning: (Scale 0 to 4) - Bench marking.
9. Skill Enhancement Programmes - for teachers and students.
10. Examination and Evaluation Reforms - Flexible method of evaluation.
11. Industry interface and career guidance - Sectorial Summits, Career Guidance and Placements.
12. Extension and Outreach - Strengthening of SOEC and Linkages.
13. Training of Teacher's at Centres of Higher Learning and Excellence.
14. Academic and Administrative Audit- Academic and Administrative Audit- Conducted by IQAC for all programmes every year

## **Institutional Values and Best Practices**

1. Workshop on Watershed Management
2. Workshop, Water and Waste Water Management
3. Workshop on ETP Designing
4. Lectures / Interactive Sessions - River Walk - for Ahilyadevi School and New English School
5. Dr. Rahul Marathe - Mitra Kida - Interactive Session for students
6. Bee-Basket Organization - NGO - Interactive Session of sustainable relocation of bee hives.
7. Live Demo - Shredding of Paper has been organized for recycling of paper and its importance.

Dr. Samir Terdalkar  
Coordinator, IQAC

Principal