



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

Part A	
<b>Data of the Institution</b>	
<b>1. Name of the Institution</b>	FERGUSSON COLLEGE(AUTONOMOUS) PUNE
Name of the head of the Institution	Dr. Ravindrasing Pardeshi
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02067656000
Mobile no.	9225340906
Registered Email	principal@fergusson.edu
Alternate Email	sterdalkar@fergusson.edu
Address	Fergusson College, F.C. Road, Pune 411004
City/Town	PUNE
State/UT	Maharashtra
Pincode	411004

<b>2. Institutional Status</b>					
Autonomous Status (Provide date of Conformant of Autonomous Status)			16-Jun-2016		
Type of Institution			Co-education		
Location			Urban		
Financial Status			private		
Name of the IQAC co-ordinator/Director			Dr.Samir Terdalkar		
Phone no/Alternate Phone no.			02067656666		
Mobile no.			9822184006		
Registered Email			sterdalkar@fergusson.edu		
Alternate Email			samir@fergusson.edu		
<b>3. Website Address</b>					
Web-link of the AQAR: (Previous Academic Year)			<a href="http://www.fergusson.edu/article/AQAR_Yearwise.html">http://www.fergusson.edu/article/AQAR_Yearwise.html</a>		
<b>4. Whether Academic Calendar prepared during the year</b>			Yes		
if yes,whether it is uploaded in the institutional website: Weblink :			<a href="http://www.fergusson.edu/article/AQAR_Yearwise.html">http://www.fergusson.edu/article/AQAR_Yearwise.html</a>		
<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
2	A	3.26	2010	28-Mar-2010	28-Mar-2015
3	A	3.62	2015	15-Nov-2015	15-Nov-2022
<b>6. Date of Establishment of IQAC</b>			15-Sep-2004		
<b>7. Internal Quality Assurance System</b>					
Quality initiatives by IQAC during the year for promoting quality culture					

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
PYHTON and R Programming for LIFE SCIENCE	10-Oct-2019 3	60
New Website for College with all mandatory disclosures on website	09-Sep-2019 60	5000
Social Outreach Activities Diversification programme	05-Aug-2019 120	1200
Eco-audit of departmental Fests and Exhibitions	25-Dec-2018 05	5000
Allotment of SAATHI (Visually Challenged student's)Peer	19-Jul-2019 01	40
Scholarships for Blind students by HELP THE BLIND FOUNDATION, Chennai	05-Sep-2018 01	5
Implementation of LOCF	15-Jun-2019 0	2000
Implementation of SWAYAM-MOOC's in Post Graduate Curriculum	15-Jun-2019 0	1700
RFID for Library	06-Aug-2019 64	5000
MoU with TECHNOWRITES, Pune	26-Jul-2019 1	20
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**8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Institution	UGCCE Scheme	UGC	2019 365	912000
Physics	Women Scientist	DST	2019 4344	3144000
Computer Science, Environmental Science, Geology and Statistics	STAR College Scheme	DBT	2018 365	4000000
Biotechnology, Chemistry, Electronic Science, Microbiology,	STAR Status	DBT	2018 365	18900000

Physics and Zoology				
Physics	Major Research project	BRNS	2019 4380	3486300
Institution	Autonomous College	UGC	2018 365	2000000
Institution	Autonomous College	UGC	2019 365	700000
Institution	UGC-CE	UGC	2019 365	912000
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<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	4
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No
<b>12. Significant contributions made by IQAC during the current year(maximum five bullets)</b>	
1. Implementation of Choice Based Credit System and designing of syllabi as per LOCF. 2. Implementation of flexible and Online Examination 3. Promotion of Research in Interdisciplinary domain. 4. Promotion of Skill Components for undergraduate science programmes. 5. Enhanced Industry Institute interactions.	

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**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

Plan of Action	Achivements/Outcomes
Implementation of Choice Based Credit System and designing of syllabi as per LOCF. 2. Implementation of flexible and Online Examination 3. Promotion of Research in Interdisciplinary domain. 4. Promotion of Skill Components for	. LOCF based syllabi have been implemented and Course outcomes and Programme Outcomes have been mapped..

undergraduate science programmes. 5. Enhanced Industry Institute interactions.	
Implementation of flexible and Online Examination	For Concurrent Evaluation flexible method of examination is being practised where the student is offered variety of methods through which the evaluation can be conducted. Almost all Science and few Arts departments have opted for one On-line examination system which is multiple choice based.
Promotion of Research in Interdisciplinary domain.	For Faculty of Science OPEN electives are offered and Choice is being offered for T.Y.B.Sc. Students. Similarly efforts have been made to train the students to take up small interdisciplinary modules. A proposal under UGC- STRIDE scheme has also been submitted to UGC which focuses on development of trained Human Resource in the areas of Social Science and Humanities through use of Statistical packages and machine learning. Similarly use of R and PYTHON programming can also be explored through this scheme.
Enhanced Industry Institute interactions.	Industry-Academia has been one of the prominent programmes for all departments. Panel Discussions with Industry Experts, Sectorial Career Summits and Seminars have been conducted by Career Facilitation Center of the College. This has enhanced Internships and Placements of Students.
Promotion of Skill Components for undergraduate science programmes.	Every Science Department offers a small skill development component which is beyond the curriculum. Students have participated and gained Hands-On-Training under skill component. At the same time, Students are assigned mini projects of short duration which improves their research methodology.
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<b>14. Whether AQAR was placed before statutory body ?</b>	Yes
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Name of Statutory Body	Meeting Date
Governing Body	17-Oct-2018

<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	No
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<b>16. Whether institutional data submitted to AISHE:</b>	Yes
Year of Submission	2019
Date of Submission	22-Feb-2019
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>Academics This module takes care of everything that is central to learning, education, and teaching. For example: courses and configuration, syllabus patterns, core elective subjects, different evaluation methods, monitoring, mentoring, projects, practical's, tutorials and many more. Academics is supported with an easy and collaborative Content Management System through which faculty can share educational content, manage projects assignments, handle notifications, conduct quizzes etc. The different type of setups in academics are • Engineering Pharmacy Law Architecture Nursing Academics • Medical Academics • Management Academics • Science Commerce Arts Academics • Short term certification Program Academics • School Academics Teaching</p> <p>Its a well integrated module that empowers every faculty with powerful tools that help them efficiently manage their work. These tools include academic calendar, planning, scheduling, course file, mentoring, practical's, projects, timetable and many more.</p> <p>1. Course File 2. Quiz Admissions Admissions module effectively manages admission through merit, entrance exam or a government regulated agency. It automates courses, intake for each course, no. of shifts, seat division, eligibility, merit and merit per se, fee structures, revisions, concessions and sponsorship on fee for different category of students, admission cancellation policies, late fee policy and integration with finance module.</p> <p>1. School Admissions 2. Institute/College Admissions Examinations The Exam module manages exam related tasks at various levels. It fits very well with a</p>

university examination system, an autonomous setup, internal exams for an affiliated institute and concurrent assessments for institutes, colleges, schools, preprimary and kinder garden classes. The configuration of examination module covers various exam related duties, moderation schemes, result format, exam cycles etc. All exam processes such as exam centres, assessment centres, question paper setting, question paper disbursement, exam scheduling, invigilation, result compilation, reevaluation, mark sheets generation etc. are duly provisioned for. Placements Placements module effectively manages the entire campus placement process. It takes care of job postings, walkins, registration of eligible students, placement event handling, career guidance, prescreening, testing and many more. 1. Student Profile 2. Campus Placements Research Growth and learning is impossible without doing research. Its an important factor for any institute to grow and standout. This module takes care of research projects, publications, conferences, journals, patents, copyrights, Ph.D. preparation and more. Performance Performance module takes complete care of performance and appraisal management. This includes 360 degree appraisal incorporating selfappraisal, peer appraisal, subordinate and superior appraisal and can be configured as per the requirements of the organization. It also offers standard academic appraisal templates and configurable performance indicators, grading parameters, appraisal schema designs, competency vs. goal setting and reporting. Online Test Online test module maintains question banks, can set objective/subjective question papers with random or fixed questions. It provides the flexibility of defining sections, categories, sectional cutoffs, marking patterns, negative marking, per question or overall timing marks etc. Attendance and Leave Attendance is a wholesome module that integrates and automates various attendance keeping methods including muster, attendance entry, loginbased, biometricbased, barcodescanning attendance and others. Salary Making a

custom and smart salary structure is of utmost importance. This module takes care of all salary components

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Design and Development

##### 1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BA	HIN	HINDI	05/02/2019
BA	MAR	MARATHI	16/02/2019
BA	MTA	MATHEMATICS	25/01/2019
BA	LOG	LOGIC	13/02/2019
BA	PHI	PHILOSOPHY	13/02/2019
BA	PSY	PSYCHOLOGY	29/01/2019
BA	SAN	SANSKRIT	05/02/2019
BA	SOC	SOCIOLOGY	09/02/2019
BA	STA	STATISTICS	12/01/2019
BA	HIS	HISTORY	02/02/2019
BVoc	BVM	B Voc Media and Communication	16/02/2019
BVoc	BVA	B Voc Digital Art and Animation	16/02/2019
BSc	ANI	ANIMATION	01/02/2019
BSc	STC	COMPUTER SCIENCE	25/01/2019
BSc	BTH	BIOTECHNOLOGY	14/02/2019
BSc	BOT	BOTANY	18/02/2019
BSc	CHE	CHEMISTRY	22/02/2019
BSc	ELE	ELECTRONIC SCIENCE	02/03/2019
BSc	EVS	ENVIRONMENTAL SCIENCE	02/03/2019
BSc	GLY	GEOLOGY	22/01/2019
BSc	MTS	MATHEMATICS	25/01/2019
BSc	MIC	MICROBIOLOGY	15/02/2019
BSc	PHY	PHYSICS	15/01/2019
BSc	ZOO	ZOOLOGY	29/01/2019
BSc	STS	STATISTICS	12/01/2019
MSc	BTH	BIOTECHNOLOGY	14/02/2019
MSc	BOT	BOTANY	18/02/2019
MSc	ELS	ELECTRONIC SCIENCE	02/03/2019
MSc	EVS	ENVIRONMENTAL SCIENCE	02/03/2019



MSc	GLY	GEOLOGY	22/01/2019
MSc	MTS	INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS	25/01/2019
MSc	CSA	COMPUTER APPLICATIONS	25/01/2019
MSc	CSC	COMPUTER SCIENCE	25/01/2019
MSc	MIC	MICROBIOLOGY	15/02/2019
MSc	PHY	PHYSICS	30/01/2019
MA	ECO	ECONOMICS	21/01/2019
MA	MAR	MARATHI	16/02/2019
MA	PSY	PSYCHOLOGY	29/01/2019
BA	ECO	ECONOMICS	21/01/2019
BA	FRE	FRENCH	14/02/2019
BA	GEO	GEOGRAPHY	07/02/2019
BA	GER	GERMAN	14/02/2019
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BSc	ANIMATION Introduction to mass media	01/02/2019	1102	15/06/2019
BSc	ANIMATION Introduction to animation techniques	01/02/2019	1203	15/06/2019
BVoc	Media and communication Bsic of visual communication	16/02/2019	1103	15/06/2019
BVoc	Media and communication Bsic of visual communication- WRITING skills	16/02/2019	1104	15/06/2019
BVoc	Media and communication Bsic of visual communication - Image Processing	16/02/2019	1105	15/06/2019
BVoc	Media and communication - Bsics of photography	16/02/2019	1106	15/06/2019

BVoc	Media and communication - Audio visual narratives	16/02/2019	1203	15/06/2019
BVoc	Media and communication - Voice over techniques	16/02/2019	1204	15/06/2019
BVoc	Digital art and animation - introduction to animation	16/02/2019	1102	15/06/2019
BVoc	Digital art and animation - introduction to computer fundamentals	16/02/2019	1103	15/06/2019
BVoc	Digital art and animation - Creative writing	16/02/2019	1202	15/06/2019
BSc	Computer science - Basic programming using C	25/01/2019	1101	15/06/2019
BSc	Computer science - Database management system SQL	25/01/2019	1102	15/06/2019
BSc	Computer science Computer Instrumentation	25/01/2019	1201	15/06/2019
BSc	Computer science - Computer organization	25/01/2019	1202	15/06/2019
BSc	Biotechnology- Concepts and applications in biotechnology	14/02/2019	1101	15/06/2019
BSc	Biotechnology - Biological chemistry Biological chemistry	14/02/2019	1102	15/06/2019
BSc	Biotechnology -Quantitative methods in biology	14/02/2019	1107	15/06/2019
BSc	Biotechnology B ioinstrumentati	14/02/2019	1203	15/06/2019

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BSc	Biotechnology - Animal sciences	14/02/2019	1204	15/06/2019
BSc	Botany- Morphology and anatomy of angiosperms	18/02/2019	1201	15/06/2019
BSc	Botany- Industrial Botany	18/02/2019	1202	15/06/2019
BSc	Chemistry - Chemical mathematics and atomic structure	22/02/2019	1101	15/06/2019
BSc	Chemistry - Stereo chemistry, Hydrocarbons and mole concept	22/02/2019	1202	15/06/2019
BSc	Electronic equipment maintenance - Maintenance and troubleshooting tools and instruments	02/03/2019	1102	15/06/2019
BSc	Electronic equipment maintenance -	02/03/2019	1202	15/06/2019
BSc	Electronic science - Semiconductor devices	02/03/2019	1102	15/06/2019
BSc	Electronic science - Digital Electronics	02/03/2019	1202	15/06/2019
BSc	Environmental Science - Physics and chemistry of environment	02/03/2019	1102	15/06/2019
BSc	Geology	22/01/2019	1101	15/06/2019
BSc	Geology	22/01/2019	1201	15/06/2019
BSc	Geology	22/01/2019	1202	15/06/2019
BSc	Mathematics	25/01/2019	1102	15/06/2019
BSc	Physics Electricity and magnetism	15/01/2019	1202	15/06/2019

BSc	Physics - Heat and thermodynamics	15/01/2019	1102	15/06/2019
BSc	Statistics - Basic applied statistics	12/01/2019	1201	15/06/2019
BSc	Zoology - Cell biology	29/01/2019	1102	15/06/2019
MSc	Biotechnology - Biological chemistry and bacteriology	14/02/2019	4103	15/06/2019
MSc	Biotechnology - Development biology and human population genetics	14/02/2019	4104	15/06/2019
MSc	Biotechnology - Genetic engineering and industrial biotechnology	14/02/2019	4201	15/06/2019
MSc	Biotechnology - Animal and plant biotechnology	14/02/2019	4202	15/06/2019
MSc	Biotechnology - Virology and immunology	14/02/2019	4203	15/06/2019
MSc	Biotechnology - Agricultural biotechnology	14/02/2019	4207	15/06/2019
MSc	Biotechnology - Environmental biotechnology	14/02/2019	4208	15/06/2019
MSc	Biotechnology - Microbial Genetics	14/02/2019	4209	15/06/2019
MSc	Biotechnology - Clinical research	14/02/2019	4211	15/06/2019
MSc	Biotechnology - Bioethics and bio safety	14/02/2019	4212	15/06/2019
MSc	Biotechnology - Research methodology	14/02/2019	4213	15/06/2019
MSc	Botany-Plant physiology and biochemistry	18/02/2019	4102	15/06/2019

MSc	Botany-Genetics and evolution	18/02/2019	4103	15/06/2019
MSc	Botany-Cell biology	18/02/2019	4202	15/06/2019
MSc	Botany-Molecular biology and genetic engineering	18/02/2019	4203	15/06/2019
MSc	Botany-Techniques in biology	18/02/2019	4204	15/06/2019
MSc	Botany-Molecules of life and biophysical parameters	18/02/2019	4205	15/06/2019
MSc	Analytical Chemistry-Advanced organic chemistry and spectroscopy	22/02/2019	4103	15/06/2019
MSc	Analytical Chemistry - Reaction mechanism in organic chemistry	22/02/2019	4203	15/06/2019
MSc	Biochemistry-Biophysical techniques	22/02/2019	4103	15/06/2019
MSc	Biochemistry-Enzymology and plant biochemistry	22/02/2019	4104	15/06/2019
MSc	Biochemistry-Microbiology and fermentation technology	22/02/2019	4201	15/06/2019
MSc	Biochemistry-Metabolism	22/02/2019	4202	15/06/2019
MSc	Biochemistry-Molecular biology	22/02/2019	4203	15/06/2019
MSc	Organic chemistry - Advanced organic chemistry and spectroscopy	22/02/2019	4103	15/06/2019

MSc	Organic chemistry - Reaction mechanism in organic chemistry	22/02/2019	4203	15/06/2019
MSc	Electronic science - Semiconductor devices and technology	02/03/2019	4101	15/06/2019
MSc	Electronic science - Network analysis	02/03/2019	4102	15/06/2019
MSc	Electronic science - Robotics	02/03/2019	4105	15/06/2019
MSc	Electronic science -Industrial process control	02/03/2019	4202	15/06/2019
MSc	Electronic science - Embedded systems	02/03/2019	4203	15/06/2019
MSc	Environmental science - Environmental geo and atmospheric science	02/03/2019	4103	15/06/2019
MSc	Environmental science - EIA and environmental audit	02/03/2019	4201	15/06/2019
MSc	Environmental science - Water and wastewater treatment technology	02/03/2019	4202	15/06/2019
MSc	Geology- Principles of stratigraphy and palaeontology	22/01/2019	4102	15/06/2019
MSc	Geology - Sedimentology	22/01/2019	4103	15/06/2019
MSc	Geology- Igneous petrology	22/01/2019	4201	15/06/2019

MSc	Metamorphic petrology	22/01/2019	4202	15/06/2019
MSc	IMCA-Real analysis	25/01/2019	4101	15/06/2019
MSc	IMCA-Applied linear algebra	25/01/2019	4102	15/06/2019
MSc	IMCA-Software engineering	25/01/2019	4104	15/06/2019
MSc	IMCA-Probability and statistics	25/01/2019	4204	15/06/2019
MSc	IMCA-Experimental training on C++	25/01/2019	4205	15/06/2019
MSc	IMCA-Experimental training on DBMS	25/01/2019	4206	15/06/2019
MSc	Computer Application-Mathematical foundation	25/01/2019	4101	15/06/2019
MSc	Computer Application-Operating systems	25/01/2019	4102	15/06/2019
MSc	Computer Application-Python programming	25/01/2019	4103	15/06/2019
MSc	Computer Application-Database management systems	25/01/2019	4104	15/06/2019
MSc	Computer Application-Data mining and data warehousing	25/01/2019	4201	15/06/2019
MSc	Computer Application-Web technologies	25/01/2019	4203	15/06/2019
MSc	Computer Application-Networking concepts	25/01/2019	4204	15/06/2019
MSc	Computer Application-Software testing	25/01/2019	4207	15/06/2019
MSc	Computer Application-Bigdata analytics	25/01/2019	4208	15/06/2019
MSc	Computer	25/01/2019	4101	15/06/2019

	science-Data mining and data warehousing			
MSc	Computer science- Analysis of algorithms and computing	25/01/2019	4102	15/06/2019
MSc	Computer science- Operating system internals	25/01/2019	4103	15/06/2019
MSc	Computer science- Python programming	25/01/2019	4104	15/06/2019
MSc	Computer science- Business intelligence and analytics	25/01/2019	4203	15/06/2019
MSc	Computer science- Robotics and artificial intelligence	25/01/2019	4204	15/06/2019
MSc	Computer science- Networking and information security	25/01/2019	4207	15/06/2019
MSc	Computer science- Software quality assurance and testing	25/01/2019	4208	15/06/2019
MSc	Microbiology- Molecular biophysics and instrumentation	15/02/2019	4103	15/06/2019
MSc	Microbiology- Immunology	15/02/2019	4202	15/06/2019
MSc	Microbiology- Molecular biology	15/02/2019	4203	15/06/2019
MSc	Physics- Mathematical methods in physics	30/01/2018	4102	15/06/2019
MSc	Physics- Quantum mechanics	30/01/2019	4103	15/06/2019
MSc	Physics- Electro dynamics	30/01/2019	4202	15/06/2019
MSc	Physics-	30/01/2019	4203	15/06/2019



	Statistical mechanics			
MSc	Physics-Basic material science	30/01/2019	4204	15/06/2019
BA	Economics-Principles of economics	21/01/2019	1101	15/06/2019
BA	French- French basic	14/02/2019	1101	15/06/2019
BA	French Advanced	14/02/2019	1102	15/06/2019
BA	Geography- Geo morphology	07/02/2019	1101	15/06/2019
BA	Hindi- ?????? ??????? ?? ?????????	05/02/2019	1101	15/06/2019
BA	Marathi- ??????????? ??? ????????? ??????	16/02/2019	1102	15/06/2019
BA	Mathematics- Calculus	25/01/2019	1101	15/06/2019
BA	Mathematics- Financial mathematics	25/01/2019	1103	15/06/2019
BA	Logic- Logical reasonong indian and western	13/02/2019	1101	15/06/2019
BA	Psychology- Basic cognitive processes and consciousness	29/01/2019	1201	15/06/2019
BA	Sanskrit - Sanskrit Pravesha	05/02/2019	1101	15/06/2019
BA	Sociology- Explorations to sociology	09/02/2019	1201	15/06/2019
MA	Economics- Statistical techniques	21/01/2019	4104	15/06/2019
MA	Economic- Indian economic policy	21/01/2019	4105	15/06/2019
MA	Economics of labour	21/01/2019	4106	15/06/2019
MA	Marathi- ??????????? ?????? ??????????? ???????	16/02/2019	4401	15/06/2019

MA	Marathi - ?????? ??????????	16/02/2019	4402	15/06/2019
MA	Marathi - Aantar bhartiya sahityacha abhyas	16/02/2019	4403	15/06/2019
MA	Psychology - Statistics and research methods	29/01/2019	4101	15/06/2019
MA	Psychology - Psychometry theory	29/01/2019	4102	15/06/2019
MA	Psychology -Introduction to human resource management	29/01/2019	4103	15/06/2019
MA	Psychology -Foundation of clinical psychology	29/01/2019	4104	15/06/2019
MA	Psychology -Advanced statistics and research methods	29/01/2019	4201	15/06/2019
MA	Psychology -Human cognition and emotion	29/01/2019	4202	15/06/2019
MA	Psychology - Performance management and development	29/01/2019	4203	15/06/2019
MA	Psychology - Abnormal Psychology	22/01/2019	4204	15/06/2019
MA	English-Modern and post war literature	27/02/2019	4202	15/06/2019
MA	English- Contemporary studies in english language	27/02/2019	4203	15/06/2019
MA	English- Literary criticism and theory	27/02/2019	4204	15/06/2019
BA	English-	27/02/2019	1101	15/06/2019

Communication skill			
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## 1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
MSc	COMPUTER APPLICATION	18/06/2018
MSc	DATA SCIENCE	19/06/2019
BA	English Writing	26/07/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
No Data Entered/Not Applicable !!!		

## 1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Entrepreneurship Development	19/06/2019	0
Certificate Course in IPR	25/06/2018	0
Certificate Course in English Writing	16/08/2019	10
<a href="#">View File</a>		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
MSc	INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS	26
MSc	Geology	24
BSc	Animation	5
MSc	Physics	32
MSc	Biotechnology	48
MSc	Botany	22
MSc	Environmental Science	7
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## 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes

Alumni	No
Parents	No

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?  
(maximum 500 words)

#### Feedback Obtained

Structured feedback is taken through an online mechanism integrated with college ERP system. The schedules are announced on the college website and through Circulars informing students about the opening and closing dates. Teachers are rated on a scale of 0 to 4. The bench mark is 2.5 as per policy taken by the IQAC Committee. The feedback is then collected/ assimilated class wise and subject wise with UG and PG being two categories. The suggestions/ recommendations given by students are taken into consideration and shared with Teachers, again through their ERP LogIn and through onetoone interaction. The feedback is used for enhancement of the following: 1. TeachingLearning Process 2. Effective Use of ICT in teachingLearning 3. Knowledge base of the teacher 4. Use of ICT methods in the classroom and laboratories 5. Availability/ Accessibility of teacher to the students. Teachers who need improvement in communication skills are given short term training and also counselling by their department colleagues and they are also trained for use of basic ICT tools. At the same time IQAC also takes efforts in organising knowledge enhancement programmes especially for teachers of professional courses. they are trained for upcoming/ emerging areas in their respective fields. If needed, they are given specific industry based training modules which helps them to train students and make students industry ready. The feedback also helps in enhancing the process of mentoring in individual departments with special reference to career guidance and choice of subjects. The process also helps in getting new ideas like Bridge courses for newly started programmes like Data Science which itself is multidisciplinary. It also helps in improving course material for individual courses and laboratory manuals.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BA	ECONOMICS	140	236	138
MA	ECONOMICS	60	305	48
BA	GERMAN	15	11	10
BA	HISTORY	40	50	42
MA	PSYCHOLOGY	24	570	24
BSc	ANIMATION	180	540	153
BSc	BIOTECHNOLOGY	45	2278	45
MSc	BIOTECHNOLOGY	24	327	24
BVoc	Digital Art and Animation	150	191	108
BVoc	Media and Communication	150	495	133
MSc	Industrial Mathematics with Computer	30	171	30

	Applications			
BSc	GEOLOGY	60	62	63
MSc	GEOLOGY	24	220	22
BSc	MATHEMATICS	48	45	45
BSc	PHYSICS	72	94	94
MSc	PHYSICS	54	651	51
BSc	ZOOLOGY	36	46	46
No file uploaded.				

## 2.2 – Catering to Student Diversity

### 2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	4534	1177	219	33	15

## 2.3 – Teaching - Learning Process

### 2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
252	200	590	55	0	5

### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

For all Science Departments • The mentor teachers for the TY and PG students should be allocated by the Head of the department in consultation with the class incharges. • For F.Y and S.Y.BSc students it is proposed that single department (parent department) will take the role of Parent /Incharge for a particular Division allocated to it as per table given below. The Head of that department along with the Class Incharge should assign students to teachers. Class Parent/Incharge Department F. Y. B. Sc. (Division A) Groups: CPMS, PMSG Statistics F. Y. B. Sc. (Division B) Groups: PMSE, PMEPH, PMEEEM, PCMPH Electronics F. Y. B. Sc. (Division C) Groups: CBZG (1) Botany F. Y. B. Sc. (Division D) Groups: CPMG, CPBZ Geology F. Y. B. Sc. (Division E) Groups: CPME Chemistry F. Y. B. Sc. (Division F) Groups: CBZMicro, CBZEvS Microbiology S. Y. B. Sc. (Division A) Groups: PME, PEEEM, PMPH, PEPH, PMG, PCPh, MEEEM Mathematics S. Y. B. Sc. (Division B) Groups: PMS, PCE, PCM, PCS, PGS, CMS, MGS Physics S. Y. B. Sc. (Division C) Groups: BZG, CBG, CBZ, CZG, PCG, CBVoc. BT., BZVoc. BT Zoology S. Y. B. Sc. (Division D) Groups: BZMicro, CBMicro, CZMicro, CBEvs, CZEvs, BZEvs Environmental Science • In case of Animation, Biotechnology, B Voc. And Computer Science the Head of the department should allocate students to teachers for all classes from FY to PG. For all Arts Departments • The mentor teachers for the SY, TY and PG students should be allocated by the Head of the department in consultation with other teachers. • For FY BA divisions all departments need to participate. The Head of department will be allocating teachers as specified in the table below. Teachers who teach the division should be preferred over others. Class Division Department with number of teacher to be allocated FY BA A and B English (2) Philosophy (1) French (1) German (1) Maths (1) Statistics (1) Psychology (1) Economics (1) FY BA C Marathi (1) Hindi (1) Sanskrit (1) Geography (1) History (1) Economics (1) FY BA D Economics (1) Psychology (1) Political Science (2) Sociology (1) • The students with special needs and International students will not be mentored separately.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
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5711	252	1:23
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## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
272	197	75	35	75

### 2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr Raka Dabhade	Associate Professor	INSA Teacher Award
2019	Dr. Sunil Kulkarni	Assistant Professor	Bhaskar Raye Award
No file uploaded.			

## 2.5 – Evaluation Process and Reforms

### 2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BA	1101	201819	25/10/2018	15/12/2018
BSc	1101	201819	25/10/2018	11/12/2018
MA	4101	201819	25/10/2018	15/12/2018
MSc	4101	201819	25/10/2018	19/12/2018
BA	1201	201819	29/11/2018	29/05/2019
BSc	1201	201819	29/11/2018	10/06/2019
MA	4201	201819	29/11/2018	03/06/2019
MSc	4201	201819	29/11/2018	13/06/2019
No file uploaded.				

### 2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
472	13666	28.95

## 2.6 – Student Performance and Learning Outcomes

### 2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

[https://www.fergusson.edu/article/Revised\\_Syllabi\\_FIRST\\_YR.html](https://www.fergusson.edu/article/Revised_Syllabi_FIRST_YR.html)

### 2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students	Number of students passed	Pass Percentage
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			appeared in the final year examination	in final year examination	
<b>No Data Entered/Not Applicable !!!</b>					
No file uploaded.					

## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://www.fergusson.edu/quicklink/StudentSatisfactionSurvey.html>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

No
No file uploaded.

3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Dr. Rohitkumar Gore	European Union Seventh Framework Programme	01/06/2018	Tallinn University, Estoniay of TEchnology
<a href="#">View File</a>				

### 3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1095	Board of Research in Nuclear Science (DAE)	2831025	500000
Minor Projects	730	University Research Grant SPPU	160000	160000
Minor Projects	365	University Research Grant SPPU	210000	210000
Minor Projects	730	UGC	270000	270000
Minor Projects	730	BCUD	130000	130000
Minor Projects	365	BCUD	180000	180000
Minor Projects	730	BCUD	140000	140000
Students Research Projects (Other than compulsory by the	365	UGCCE Scheme	53400	53400

University)

No file uploaded.

3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

11

### 3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
National Entrepreneurship Conclave	Career facilitation center	13/08/2019
Sectorial Career Summit	Career facilitation center	06/10/2018
Vedica Fellowship programme	Career facilitation center	08/08/2018
Opportunities Aboard	Career facilitation center	12/09/2019
Workshop on Entrepreneurship development	Career facilitation center	27/01/2018
TCS iON BEC Session	Career facilitation center	07/12/2018
Campus to corporate programme	Career facilitation center	17/09/2018
No file uploaded.		

3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
No Data Entered/Not Applicable !!!				
No file uploaded.				

3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
No file uploaded.					

### 3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Electronic Science	2
Physics	1
German	1

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
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National	Geology	1	0.41
International	Biotechnology	1	3.68
International	Physics	5	2388
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Physics	5
No file uploaded.	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
No Data Entered/Not Applicable !!!			
No file uploaded.			

3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Thermoluminescence studies of CaSO <sub>4</sub> :Dy nanophosphor for application in high dose measurement	Nandkumar Mandlik, S.D. Dhole, P.D. Sahare, J.S. Bakare, A. Balraj, B.C. Bhatt	Applied Radiation and Isotopes	2019	148	Department of Physics, Fergusson College, Savitribai Phule Pune University, Pune 411004, India.	0
No file uploaded.						

3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
No file uploaded.						

3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	53	62	3	4
Presented papers	20	17	2	0
Resource persons	1	8	13	2

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### 3.5 – Consultancy

#### 3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
PSYCHOLOGY	Learning Development	Swasti Institute and National Integrated Institute CME, Pune	25300
Geology	Petrography of rock samples	Soiltech India PVT LTD	183666
No file uploaded.			

#### 3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
No Data Entered/Not Applicable !!!				
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### 3.6 – Extension Activities

#### 3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Nirmal Vari Programme	SPPU, Gov.of Maharashtra and Seva Sahyog Foundation	3	150
National Integrity Tour	Gov. of Meghalaya, Nagaland, Assam and Seva Bharati	6	25
Shirole Vasti (slum) Shala Sanskar Varg	NSS	3	25
EK Rakhi Sainikan Sathi	Sarhad NGO	3	30
Police Mitra	Deccan Police Station	3	100
Varsa Project	NSS	3	25
Plastic Free Village	NSS and Grampanchayat	3	150
Blood Donation Camp	Jankalyan Blood Bank	3	100
Voter's Awareness Programme	Election Commission	3	50
Consumer's Awareness Programme	Grahak Sanrakshak Manch	3	50

Value Education and Personality Development University Level Camp	SPPU and Dnyan Prabodhini	3	150
Science and Environment Awareness Programme	Science Park IUCAA	3	30
<a href="#">View File</a>			

3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
<b>No Data Entered/Not Applicable !!!</b>			
No file uploaded.			

3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Aasra	SOEC, Fergusson College	Teaching less privilege children	2	20
Ankur Vidyamandir	SOEC, Fergusson College	Working for inclusive school	2	23
Akanksha	SOEC, Fergusson College	Making charts and posters	2	5
Seva sahayog	SOEC, Fergusson College	Enganing socially conscious corporates to teach children	2	13
Green steps	SOEC, Fergusson College	Create awareness on environmental issues	2	13
Muse	SOEC, Fergusson College	Creating menstrual awareness	2	20
Prism	SOEC, Fergusson College	Vocational training	2	5
Doorsteps	SOEC, Fergusson College	Teaching children of constuction workers	2	17
No file uploaded.				

3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Faculty mobility programme	3	Erasmus plus	30
<a href="#">View File</a>			

3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
<b>No Data Entered/Not Applicable !!!</b>					
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Jagiellonian PL KMKOWOl University in Krakow (JU)	15/07/2018	Mobility for learners and staff	6
TECHNOWRITES PVT LTD	24/07/2019	Content writing course in english	20
Wadhvani Foundation	10/10/2018	Entrepreneurship development course	50
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**CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES**

**4.1 – Physical Facilities**

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
5000000	50970506

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Laboratories	Newly Added
Classrooms with LCD facilities	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added

**4.2 – Library as a Learning Resource**

#### 4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
ERP	Fully	Cloud Version	2018

#### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	77277	6685866	0	0	77277	6685866
Reference Books	166313	15600354	2120	1140182	168433	16740536
e-Books	132	884548	22	135374	154	1019922
Journals	139	323831	14	33790	153	357621
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
No file uploaded.			

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	320	17	1	1	2	2	27	200	0
Added	0	0	0	0	0	0	0	0	0
Total	320	17	1	1	2	2	27	200	0

##### 4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

200 MBPS/ GBPS
----------------

##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
studio	<a href="https://www.fergusson.edu/">https://www.fergusson.edu/</a>

#### 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
20000000	20589950	20000000	20589950

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

**POLICY FOR PHYSICAL FACILITIES, LIBRARY AND SPORTS**

**Physical Facilities** Adequate infrastructure facilities are keys for effective and efficient conduct of the educational programmes. The growth of infrastructure thus has to keep pace with the academic developments in the institution. The other supportive facilities on the campus are developed to contribute to the effective ambience for curricular, extracurricular and administrative activities.

**Classrooms** The college has a sufficient number of classrooms which are very well ventilated with spacious seating arrangements. All classrooms are well equipped and ICT supported. The classrooms are made available to all the concerned departments through central timetable management committee.

**Amphitheatre, Audio Visual Halls, Kimaya and Lower Recreation Hall** There are 13 audiovisual halls and one Amphitheatre (Heritage Building) and recently 1 open air Amphi Theatre has been constructed. Kimaya and Lower Recreation Hall are separate spaces marked for extracurricular activities. To utilize these infrastructures, the concerned department has to book their timeslot for the activities in the register kept in the office at the main building.

**Laboratory** All departments should have separate laboratories for general as well as research programmes. All laboratories should be ICT supported. All laboratories should be made available to all the staff members and students of concerned department as and when required for their general as well as research work. The laboratories should be kept clean. Entry without identity card should be prohibited. Entry register should be maintained for staff and students at the laboratory. Lab attendant as well as lab assistant should monitor the usage of equipment. Issue and return register for equipment should also be maintained. All concerned departments should define Do's and Don'ts for their respective laboratory. Purchase of equipment should be carried out using the resolutions circulated through college Central Purchase Committee. Dead stock register should be maintained for the equipment in the laboratory. Equipment related scrap should be done through proper committee. The final authority for appeal and for adjudication of any decision regarding the functioning of the laboratories is the Principal.

**Sports Complex** The College should have separate sports complex along with gymkhana. College should encourage students and faculties for physical activities like sports for their social, emotional, and their personality development. College should motivate students to participate in competitive sport programmes. Physical education must be an integral part of educational system to promote physical activity among sedentary students/nonsportsman. College should involve faculty members to assist the Physical education department and Sports complex. Sports complex should provide roles and responsibilities of the following entities:

1. The College College should provide enough infrastructure and relevant amenities required for the sport complex.
2. Department of Physical Education and Sports Management To organize various levels of tournaments (Intra and Inter) for various age groups. There must be a proper procedure maintained by college management for Dead stock management and register should be maintained for the consumable and nonconsumable equipment. Equipment related scrap should be done through proper committee.
3. The faculties To work as a coach / team manager for out station tournament.

[https://fergusson.edu/upload/document/27303\\_PolicyDocumentforPhysicalFacilities.pdf](https://fergusson.edu/upload/document/27303_PolicyDocumentforPhysicalFacilities.pdf)

## **CRITERION V – STUDENT SUPPORT AND PROGRESSION**

### **5.1 – Student Support**

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
--	--------------------------	--------------------	------------------

Financial Support from institution	The Champutai and Vinayakrao Gokhale Scholarship	10	500000
Financial Support from Other Sources			
a) National	Minority and central sector	35	165000
b)International	Indian council for cultural relation	98	3173150
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
demonstrate handling and utility of foldscope (paper microscope)	19/01/2019	70	Department of Biotechnology (DBT), Government of India.
"PCB Design"	27/07/2018	50	Fergusson College
"IOT with Rasberry Pi", by Electro Cloud Tech Hub	02/02/2019	40	Fergusson College
" RTOS"	16/02/2019	50	Fergusson College
"Sacred Groves: Traditional treasuretrove of Environment"	11/02/2019	40	Fergusson College
Clash of Tigers	02/01/2019	30	Fergusson College
Unraveling the Cosmos	05/09/2018	60	Fergusson College
"Techniques In Sericulture"	10/01/2019	120	Sericulture department, BAIF, Pune.
Amphibians as model system in understanding biological phenomena"	13/02/2018	35	department of Zoology, SPPU, Pune
"First aid in laboratory and Good Laboratory practices	05/03/2019	52	GM College of Paramedical Science, Pune
"Cell Culture "	07/08/2019	25	Cell Culture Laboratory of Dr. DY Patil University, Pune.
Python to Programming, and Basic Statistics	09/10/2019	22	Department of Computer Science for life sciences

and R Programming			students.
International Yoga Day "Suryathon"	21/06/2019	50	Art of living and Fergusson College
Nava Chetana Shibir	05/07/2019	20	Art of living and Fergusson College
Youth Empowerment Skills Workshop	08/03/2019	25	Art of living and Fergusson College
Divya Samaj Nirman	12/01/2019	4	Art of living and Fergusson College
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Career Facilitation Center	0	1500	0	214
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
1	1	15

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Syngene International, Bangalore Enzene Biosciences, Limited Lupin Biopharmaceuticals Accenture Aurigene Discovery Technologies Pvt.Ltd. Cipla Syngene Intl. Ltd. Dr.Reddys	598	108	Ahammune Biosciences Private Limited, Pune Serum Institute of India Pvt. Ltd. Pune PerianDX Aurigene Discovery Technologies Pvt.Ltd. TUV Nord Serum Institute GVK Biosciences	58	50



Thermax Enzene SAP Labs India Deloitte Infosys Accenture ZS Associates			Chemimpex India IT Services Pvt.Ltd Aakash Institute GVS Cibatech Fergusson		
<a href="#">View File</a>					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	UG	PSYCHOLOGY	Tata Institute of Social Sciences	M.S.W
2019	1	UG	PSYCHOLOGY	Indian Institute of Management, Ahmedabad	M.B.A
2019	1	UG	PSYCHOLOGY	Sri Sri University, Cuttak, Orissa	M.B.A
2019	2	UG	PSYCHOLOGY	SPPU	M.PHIL
2019	3	UG	SANSKRIT	SPPU	Master of Arts (Sanskrit)
2019	4	UG	SANSKRIT	Deccan College Post Graduate and Research Institute	Master of Arts (Sanskrit and Lexicography)
2018	1	UG	Biotechnology	Monash University, Australia	M.Sc
2018	1	UG	Biotechnology	University of Bonn	MSc Molecular Biology
2019	1	UG	Biotechnology	University of Bonn	MS LifeScience Informatics
2019	1	UG	Biotechnology	University of Melbourne	Master of Biotechnology
2019	1	UG	Biotechnology	KU Leuven, Belgium	European Master of Food Science Technology and Business (BIFTEC)

2018	1	UG	Biotechnology	IISc, Bengaluru	Integrated PhD
2019	1	UG	Biotechnology	John Hopkins University	MS Biotechnology
2018	1	UG	Biotechnology	Modern College, Pune	MSc Biotechnology
2019	1	UG	Biotechnology	IIT, Mumbai	MSc Biotechnology
2019	1	UG	Biotechnology	Welingkar Institute, Mumbai	MBA
2019	1	UG	Biotechnology	MITWPU	MBA-HR
2019	1	UG	Biotechnology	IIM-A	MBA
2019	1	PG	Biotechnology	NCCS, Pune	PhD
2019	1	PG	PHYSICS	IUCAA, Pune	PhD
2019	1	PG	PHYSICS	MIT, Manipal	PhD
2019	1	UG	PHYSICS	IIT Powai, Mumbai	PG
2019	3	UG	PHYSICS	University of Bonn Germany University of Bonn Germany University of Bonn, Germany	M.S
2019	1	UG	PHYSICS	University of Potsdam, Germany	M.S
2019	1	UG	PHYSICS	University of Bonn, Germany	M.S
2019	1	UG	PHYSICS	University of Edinburgh, UK	M.S
2019	1	UG	PHYSICS	University of Hyderabad	M.Sc
2019	1	UG	PHYSICS	IIT Jodhpur	M.Sc
2019	12	UG	PHYSICS	SPPU	M.Sc
2019	1	UG	PHYSICS	Tata inst. of Social Sciences. Mumbai	(MSc/Disaster management).

2018	1	UG	Environmental Science	Georg-August-University Gottingen, Germany	M.S
2019	1	UG	Environmental Science	Universitat Koblenz, Germany	M.S
2019	5	UG	BOTANY	SPPU	PG
2019	1	PG	BOTANY	Karnataka University, Dharwad	PhD
2018	1	PG	BOTANY	CSIR, NEERI, Nagpur	PhD
2019	1	UG	STATISTICS	IIT Kanpur	M.Sc. ( Statistics )
2019	1	UG	STATISTICS	IIT Pawai	M.Sc. ( Statistics )
2019	9	UG	STATISTICS	SPPU	M.Sc. ( Statistics )
2019	1	UG	STATISTICS	Chennai Mathematical Institute	M.Sc. ( Data Science )
2019	4	UG	STATISTICS	Manipal Institute	M.Sc. ( Bios tatistics )
2019	10	UG	STATISTICS	Modern College, Shi vajanagar, Pune	M.Sc. ( Statistics )
2019	1	UG	STATISTICS	Narsee Monjee Institute of Management Studies (Mumbai)	M.Sc. ( Statistics )
2019	1	UG	STATISTICS	RMIT , Melbourne , Australia	M.Sc. ( Data Science )
2019	1	PG	CHEMISTRY	Loughborough University, UK	M.Sc. Exercise Physiology
2019	1	UG	B.Voc Digital Art and Animation	Birmingham City University, United Kingdom	M.A. Future Media
2019	1	PG	ZOOLOGY	WII Dehradun	PG
2019	1	UG	ECONOMICS	IIM, Sambalpur	MBA
2019	2	PG	ECONOMICS	Piramal Group of	Gandhi fellowship

				Foundation	
2019	1	UG	ECONOMICS	Azim Premji University, Bangalore	MA ECONOMICS
2019	1	UG	ENGLISH	University of Alabama	MFA in Theater (specialisation in Arts Management)
2019	1	UG	ENGLISH	Newcastle University	MA in Cross-Cultural Communication
2019	1	UG	ENGLISH	University of Edinburgh	MSc in Developmental Linguistics
2019	1	UG	ENGLISH	Falmouth University	MA in Creative Advertising
2019	1	UG	FRENCH	Dublin City University UK	M.Sc. Translation Technology
2019	2	UG	FRENCH	SPPU	M.A. FRENCH
2019	1	UG	FRENCH	TISS, Mumbai	M.A Social work (Disabilities studies and Action)
2019	2	UG	GERMAN	JNU, New Delhi	MA in German Studies
2019	8	UG	GERMAN	SPPU	MA in German Studies
2019	9	UG	HINDI	SPPU	M.A./Mass. Comm.
2019	15	UG	HISTORY	SPPU	M.A IN HISTORY
2019	1	UG	PHILOSOPHY	Savitribai Phule Pune University	M.A
2019	1	UG	PHILOSOPHY	Tilak Maharashtra Vidyapeeth	M.A JAPANESE
2019	1	UG	PHILOSOPHY	Modern College, Shivajinagar	M.A PSYCHOLOGY
2019	1	UG	PHILOSOPHY	Bharti Vidyapeeth Pune	M.A. Bharatnatyam
2019	6	UG	PSYCHOLOGY	Christ College	M.Sc. (Psychology).
2019	1	UG	PSYCHOLOGY	Center for Behavioural	M.Sc. (Cognitive

and  
Cognitive  
Science,  
Allahabad

Science)

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year  
(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	11
SET	8
GATE	3
GMAT	1
CAT	1
GRE	2
TOFEL	1
Any Other	14

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Intercollegiate Senior Cricket	University level	512
Lawn Tennis	University level	130
All India Shri Shivaji Memorial Societys College of Engineering Shivaji Cricket Trophy	College level	250
Pune District Criket Association League Matches	College level	1440

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### 5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Khelo India Youth Games	National	1	0	0000	Akanksha Buchade

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The College at present does not have Student Council as per the directives of the State Government and the University. However, Student Representation is

there on College Committees like: Board of Studies, Internal Quality Assurance Cell, Prevention of Sexual Harassment Committee, AntiRagging Committee and Gymkhana Committee of the College.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes, the college has a registered alumni association (The Fergussonians) established in the year 1945. The activities of the alumni association are: • Social awareness programmes on issues like water management, improving lighting efficiency, reducing energy consumption and green drives. • Organizing seminars, workshops and training programmes for teachers in rural schools. • Interactive sessions with renowned entrepreneurs, senior academicians and wellknown personalities from all walks of life like Shri Vithal Kamath, Shri Ram Pradhan, Smt Sharon Edwards, Smt Prabha Atre and Shri Mohan Dharia. • Coaching classes for IAS preparations are conducted by charging reasonable fees. • "The Fergussonians" have constituted "Fergusson Gaurav" award for felicitating distinguished past students of the college with remarkable achievements in their fields. The alumni association helps the college in payment of fees for needy students and also provides financial support for annual cultural programmes.

5.4.2 – No. of registered Alumni:

1980

5.4.3 – Alumni contribution during the year (in Rupees) :

12000

5.4.4 – Meetings/activities organized by Alumni Association :

13

### CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The College is committed to a culture of participative management. The Principal, VicePrincipal, Registrar and IQAC coordinator are responsible for academic and administrative leadership of the college. The Principal meets at least thrice in a month with Heads of departments and Vice Principals to discuss academic or administrative issues. The IQAC meets periodically to discuss the points related to the quality policy and plans. The apex decision making body at College level is the Governing Body under organizationizational structure of Autonomous College. In addition to this, the College has also College Development Committee (CDC).The CDC has representatives from teaching as well as non teaching staff. All the issues regarding academics, administration and enhancement of infrastructure, sanctioning of sabbatical/ study leave etc., are decided by the CDC. The IQAC also includes faculty members along with members from the society for the policy / plan formulation and its implementation. Faculty members from IQAC play an active role in the management of academic activities of the college. Students actively participate in various curricular, cocurricular and extracurricular activities. Faculty members participate in the management process not only through the CDC, but are also part of the Board of Life members and on the Governing body and the council of parent organization Deccan Education Society. The stakeholders are given highlights of the achievements and activities during the annual general

meeting of DES. Various committees in the college help in monitoring and facilitating several administrative functions and thus make administration open and transparent. The decentralization of power is evident from these committees, some of them are statutory and the others nonstatutory in nature. The list of committees is given below: • Academic Council • Internal Quality Assurance Cell • Admission Committee • AntiRagging Committee • Committee for Prevention of Sexual Harassment • Board of Examination • Board of Studies • Finance Committee • Committee for Earn and Learn Scheme • Forum of Arts and Science Heads • Grievance Committee • Gymkhana Managing Committee • International Students' Cell Committee • Research Coordination Committee • RTI Cell • Student Council • Time Table Committee • Planning Board for UGC, DBT and DST Schemes • Advisory of DBT Scheme (STAR College Scheme) The IQAC has to ensure that whatever is done in the institution for "education" is done efficiently and effectively with high standards. In order to do this, the IQAC has to establish procedures and modalities to collect data and information on various aspects of institutional functioning. The Coordinator of the IQAC and the Secretary have a major role in implementing these functions. The IQAC derives major support from the already existing units and mechanisms that contribute to the functions listed above. The operational features and functions discussed so far are broadbased to facilitate institutions towards academic excellence and institutions adapt them to suit their specific needs. The staff is entrusted the responsibility for different tasks such as college admissions, examinations, document verifications, form collection for scholarships, Rail/bus concessions as well as handling the university/government correspondence. In addition

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

## 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	1. Implementation of Learning Outcome Based Curriculum Framework (LOCF) as per UGC Guidelines. 2. Internships for all Post Graduate Programmes. 3. Implementation of Entrepreneurship Development Course for Post Graduate Students 4. Regular Curriculum Development Workshops for ensuring continuous evolution of Syllabi and making it Industry oriented.
Teaching and Learning	1. Augmentation of ICT Support in classroom and laboratories. 2. Training of Teachers in upcoming areas of their respective subjects/ specializations to enhance their knowledge base. 3. Regular and Online mechanism of feedback on Teaching Learning which helps in monitoring the teachinglearning processes and also helps in understanding learners needs.
Examination and Evaluation	1. Concurrent and flexible method of Evaluation. 2. Students are given a wide choice of methods for assessment.

Research and Development	1. A dedicated committee looks into routine affairs of Research. 2. Submission of research proposals to various funding agencies. 3. Providing procedural and practical support to the teachers and the College for submission of proposals to various funding agencies. 4. Assigning mini projects to undergraduate students and major projects to post graduate students under mentoring programme.
Library, ICT and Physical Infrastructure / Instrumentation	1. Consistent improvement in the facilities of Library. 2. Making Library available through college ERP system 3. RFID Technology in Library 4. Additions of new equipments every year in the laboratories.
Human Resource Management	1. Use of appropriate human resource for specific tasks to be completed in time bound manner. 2. Rotation of laboratory Assistants between various departments to improve their skills.
Industry Interaction / Collaboration	1. IndustryInterface in each Board of Studies. 2. Regular interactions of students with Industry Experts to gain industry knowledge. 3. Organizing HandsOnTraining Sessions for students for specific skill sets. 4. Promotion of Internships for all post graduate programmes.
Admission of Students	1. OnLine Admission System. 2. Admissions as per norms and regulations of Government of Maharashtra. 3. Mandatory entrance Examinations ofr all post graduate programmes.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Planning and Development	1. Communication only through official email IDs. 2. Submission of projects under various schemes is online.
Administration	1. OnLine Admission System through College ERP System. 2. Communication only through official email IDs. 3. Data generation and submission through emails only. 4. Application and sanction of leaves through online system 5. Generation Pay slips through online system
Finance and Accounts	1. Tally software for accounts. 2. All entries of expenditures (for schemes) are done on PFMS portal.
Student Admission and Support	1. College has deployed ERP System. 2. The entire students Life Cycle from



	Admission to marksheets and other relevant Certificates is monitored and managed through the ERP system
Examination	1. Mark entry for Internal as End Semester Examination is done through ERP and shown to students before final submission. 2. Many departments follow online examination system.

### 6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Manoj Kumar Kukade	ICISGT2019	IEEE	10995
2019	Priti Aphale	International conference on biodiversity and environmental management	NIL	10000
2019	Shraddha Kulkarni	International conference on biodiversity and environmental management	NIL	10000
2019	Smita bhanap	Two days workshop on artificial intelligence and machine learning	NIL	4130
2019	Swati Satpute	Two days workshop on artificial intelligence and machine learning	NIL	4130
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	TRain the	Train the	02/10/2018	02/11/2018	21	0

	Trainers Programme in collaboration with RUSA, Maharashtra	Trainers programme for IQAC Coordinators				
2018	PYTHON Programming	PYTHON Programming	21/06/2018	23/06/2018	22	0
2019	Training of Laboratory personnel	Training of Laboratory Personnel	19/01/2019	19/01/2019	0	14
2018	Training on EAT Module of PFMS	EAT Module of PFMS	10/08/2018	10/08/2018	4	25
2018	Ruby on Rails	Ruby on Rails	07/01/2018	14/01/2018	6	0
2019	Tectonic Evolution of India	Tectonic Evolution of India	23/08/2019	23/08/2019	25	0
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Short term course on Research Methodology	1	14/01/2018	20/01/2018	6
Short term course on Research Methodology	1	14/01/2018	20/01/2018	6
Induction programme for college teachers conducted at IISER	1	01/05/2018	26/05/2018	25
Refresher Course on Recent Advances in Chemistry	1	02/01/2018	24/01/2018	22
Orientation programme	1	21/05/2018	17/06/2018	26
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
193	193	190	190

#### 6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Fergusson College Pathpedi whcih provides Financial Support and also Investment Schemes	Fergusson College Pathpedi whcih provides Financial Support and also Investment Schemes	Earn and Learn Scheme

### 6.4 – Financial Management and Resource Mobilization

#### 6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The Institution has inbuilt mechanism which perform timely checks on the expenditure made through College funds as well as through various funding schemes. There is a dedicated team of Accounts Asistants with one person designated as FInance Officer and One senior Teacher who is the FInance Controller. Apart from this, there is Planning and Implementation Group of each Scheme which is funded under UGC/ DST and DBT. Regular meetings of these groups help in maintaining the status of expenditure under each budget Head as per sanction letter. Fund allotment and disbursement through schemes is regularly checked and recommended to the Accounts Office through Principal. Timely submission of audited Statement of Expenditure, Utilization Certificate, Certificate of Assets Acquired and Purchase of Library Books and Journals is executed well within the time framework and submitted to the funding agency.

#### 6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
<b>No Data Entered/Not Applicable !!!</b>		
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#### 6.4.3 – Total corpus fund generated

0
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### 6.5 – Internal Quality Assurance System

#### 6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	External Experts	Yes	IQAC
Administrative	Yes	External and Internal	Yes	Finance Section of Deccan Education Society

#### 6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

<b>No Data Entered/Not Applicable !!!</b>
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#### 6.5.3 – Development programmes for support staff (at least three)

1. Training of Laboratory Assistants and Attendants at IISER, Pune. 2. Training of Accounts personnel in EAT (Expenditure, Advance and Transfer) module of PFMS (Public Finance Management System) 3. One Day Training of Office Staff (Accounts) for GST and other Financial matters conducted by parent organization Deccan Education Society. 4. 15 different training modules for Examination Staff on use of ERP System for mark entry and data generation.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Implementation of Learning Outcome Based Curriculum Framework (LOCF) for 11 first year B.A., B.Sc.,M.A. and M.Sc., programmes. 2. Submission of college proposals for additional funding to Department of Biotechnology, Government of India. Four Science departments are now recognized under STAR college Scheme, while other four Science departments are recognized under STAR STATUS scheme. This has created a huge impact on undergraduate science programmes. Additional skill based intradepartmental and interdepartmental training is being provided to students. 3. Library automation has been completed and RFID technology has been implemented. Instead of purchasing hard bound copies of reference books, it was decided to procure ebooks and ejournals and make it available to students through college ERP logins. 4. An MoU with TECHNOWRITES was signed and Content Writing Course (short term) is being offered to Students of Arts as well Science faculty. This course has high rate of employ ability. Certificate course in Intellectual Property Rights is also offered to students. 5. Feedback Analysis on teachinglearning has been analyzed and it has been seen that there is a necessity of BRIDGE course for students undertaking such professional programmes like DATA Science. 6. The College website is renewed and has a new face. An effort has been made to make it content wise rich, so that entire information is available on the website. 7. Few faculty training programmes have also been organized in upcoming areas like PYTHON and R programming for teachers as well as students. A project on offering use of different software and techniques in statistics for social sciences and humanities was prepared and submitted to UGC under STRIDE Scheme Component 1. 8. Six research proposal under UGCSTRIDE scheme Component 2 and two proposals under UGCSPARC scheme have been submitted. 9. To motivate students participation in Social Outreach activities, to undertake short term research projects, publish and present research papers, extra credits are being offered for such students. 10. Corporate Training/ Consultancy Services are being actively offered by Department of Geology, Department of Economics and Psychology.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Understanding and implementing UGC SWAYAMMOOCs	11/08/2018	11/08/2018	11/08/2018	41
2018	Workshop on online examination	05/07/2018	05/07/2018	05/07/2018	27

	for faculty of Arts				
2018	Workshop for Principals and IQAC Coordinators of autonomous colleges	18/09/2018	18/09/2018	18/09/2018	25
2018	Students orientation programme on feedback process and outcome	27/02/2018	27/02/2018	27/02/2018	300
2019	Preparation of Fergusson University Draft Act	01/01/2019	01/01/2019	01/01/2019	5
2019	Youth Empowerment Skills Workshop	10/08/2019	13/08/2019	13/08/2019	25
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## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
No Data Entered/Not Applicable !!!				

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Solar Power generation units at four different locations in the campus (Girls Hostel, Department of Electronic Science, Department of Zoology and Botany and PG Computer Science building.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	40
Ramp/Rails	Yes	40
Braille Software/facilities	Yes	40
Scribes for examination	Yes	40
Special skill development for differently abled students	Yes	40

## 7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	4	4	17/07/2018	04	Plantation Drive involving students, Corporates and Local Community	Importance of plantation, reducing carbon footprint etc.,	400
2018	1	1	26/06/2018	50	Teaching basic Maths and Science in low income PMC Schools in Pune	Basic Maths and Science for Standard 5th to 8th	40
2019	1	1	24/07/2019	06	Road Safety Awareness Programme	Road Safety	500

## 7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
<b>No Data Entered/Not Applicable !!!</b>		

## 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International YOGA Day	21/06/2019	21/06/2019	50
Nava Chetana Shibir	01/07/2019	05/07/2019	20

## 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Tree plantation Drive: College has a very rich Botanical Garden in terms of unique species. For enriching the garden a special program of Tree Plantation Drive has been organized on 12th July 2018. Around 150 different plant species have been planted in college campus including Botanical Garden. A care has been taken in selection of the species all species planted are native which will support the other Biodiversity inhabiting the campus. 2. Kirloskar Vasundhara International Film Festival: Under Kirloskar Vasundhara Film Festival number of documentaries was screened followed by discussion on various issues of Environmental protection. 3. Green Economy Workshop: Under DBT Star College Scheme workshop was conducted by Dr. Gurudas Nulkar Head, ExtMBA Symbiosis International University, Pune on Green Economy on 29th August 2018 was organized for MSc students in Department of Environmental Science. 4. Under DBT

Star College Scheme workshop was conducted by Mr. Shrikant Parab Director, Asia Affairs, Delta Group, USA on Best Practices in Waste Management on 30th August 2018 was organized for students in Department of Environmental Science. 5. Film Screening and Interaction with S. Nalla Muthu, Director and Producer of film Clash of Tigers on 2nd January 2019. Teachers and students of other colleges along with Fergusson College students involved in the program. 6. River Ecology Workshop Ms. Ketke Ghatge Director Oikos for Ecological Services Oikos, for Ecological Services, Pune on River Ecology on 7th January 2019 was organized for students in Department of Environmental Science. 7. Biodiversity Conservation: Issues and Solutions Seminar: Under DBT Star College Scheme conducted Seminar by Dr. Madhukar Bachulkar Cholekar Principal Vijaysingh Yadav Science College Kolhapur on Biodiversity Conservation: Issues and Solutions on 8th January 2019 for students in Department of Environmental Science. 8. Hydrogeology Workshop: Under DBT Star College Scheme conducted Workshop was conducted by Dr. Chris Bradley Senior Lecturer School of Geography, Earth and Environmental Sciences University of Birmingham UK on Hydrogeology on 8th January 2019 was organized for students. 9. Climate Change Workshop: Under DBT Star College Scheme Workshop was conducted with Professor John Bull Associate Professor (Senior Lecturer) in Pollution Ecology, School of Geography, Earth and Environmental Sciences, University of Plymouth on Climate Change on 17th January 2019 was organized for students. 10. Bioremediation of Toxic wastes Workshop: Under DBT Star College Scheme seminar was conducted by Dr. Yogesh Patil Professor and Head Research and Publication Symbiosis International University, Pune on Bioremediation of Toxic wastes on 22nd January 2019 was organized for students. 11. Water and wastewater treatment and ETP Designing workshop: Under College with Excellence program in association with Dr. Aqua, Pune two days workshop on Effluent Treatment Plant Design.

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

**Best Practice I: Title of the Practice: Mapping Campus Biodiversity. Goal:**

- Create awareness about importance of campus biodiversity.
- Equip students to use various research techniques in biodiversity studies.

**The Context:** India is a signatory to the International Biodiversity Convention and is bound to document and preserve biological diversity of the country. The Fergusson College campus is rich in biodiversity with a variety of habitats. **The Practice:** As an attempt in this direction, some students under the Rangers? Eco club have been monitoring the biodiversity on the Fergusson college campus and the hill since 2008. The college has a large campus with a rich floral diversity. The major habitats on the campus include hill top, hill slope, plantations, gardens, open spaces and buildings. Many teachers and students from Zoology, Botany, Geology, Environmental Science and Geography departments have been working on various biodiversity related topics based on the campus, as a part of the UGC CPE activity. Many teachers and students have been studying, watching and photographing the biodiversity on the campus and the hill on a regular basis as a hobby. Botany and Zoology students are regularly taken to the college hill as a part of the curricula (study visit) for floral and faunal surveys. **Evidence of Success:** Some of results of such studies are as follows:

- **Floral diversity** The campus is quite green with a diversity of trees. About 200 plant species have been enumerated on the campus by earlier teachers and students. Mr. Ashish Nerlekar, a past student has been monitoring the campus flora since 2014.
- **Faunal diversity** (a) **Invertebrate diversity** The spider survey was conducted by Mr. Ashwin Varudkar, a 2014 BSc. (Zoology) batch student. He collected information on more than 60 species of spiders from the campus. He also developed a photography album on the butterflies on the campus.
- (b) **Vertebrate diversity** Every year students of the Rangers? club, conduct a „bird transect? (belt) across the campus during the winter months and document



campus diversity. A group of students participated in the "Backyard bird count" in February 2015 and reported 60 species from the campus. The data have been uploaded on the "www.ebird.org", a website maintained by the Cornell Lab of Ornithology and National Audubon Society, USA. Many students have been working on different aspects of the campus biodiversity as a part of the CPEUG projects. Students have also been monitoring butterflies and spiders of the campus. They have added other faunal groups like mammals, bats and reptiles.

The outcome of the survey may be summarized as follows: Type of life group Number of species Students and Teachers who collected the information Spiders 60 Warudkar (2013) Butterflies 90 Warudkar Patankar (2013) Reptiles 19 Warudkar Nalavade (2014) Amphibians 05 Warudkar(2014) Birds 105 Raut et al (2012) Mammals 11 Warudkar and Salve (2014) The survey findings and estimates of campus biodiversity have also been published in conference proceedings and in reputed national journals. Projects on Biodiversity under UGC CPE Scheme Sr.

No. Title of the Project Names of Students 1. Study of Diversity and Urbanization of Spiders of Fergusson College Campus. Ashwin Warudkar 2. Study of Birds and bird habitats of the Fergusson College campus. Samrat Salve and Ashish Raut 3. Study of Diversity of Wild Mammals of Fergusson College Campus. Samrat Salve and Ashwin Warudkar 4. Algal Diversity of Fergusson College, Pune Ms. Vividha Raunekar, Ms.Shubhangi Raskar, Rushab Rathod and Digvijay Patil 5.

Mapping of Rare Species on Vetal Hill Akshay Onkar 6. Documentation of the Butterfly Species found in Fergusson College Ms. Anushka Rege 7. Angiosperm Diversity of Different Habitats in Pabe Ghat near Sinhagad, Maharashtra Ms. Rutuja Barate 8. Herpetofaunal Mortality Due to Vehicular Movement in Tamhini Ghat, Northern Western Ghats, maharashtra Anish Pardeshi 9. Diversity and Distribution of Aquatic Insects in Pashan Lake of Pune, Maharashtra Ms. Ramya Roopa 10. Mapping the roosting colonies of Flying fox bat around Pune Ashwin Warudkar and Gaurav Kalyani Best PracticeII 1. Title of the Practice: Fostering Social Responsibility 2. Goal • To instill a sense of social responsibility in students. • To engage the students in meaningful service that meets community needs. • To equip the students with skills, attitude and knowledge to work with the disadvantaged sections of society. 3. The Context: The purpose of education is not just preparing the students for a livelihood but also to make them good citizens and above all good human beings. Values of caring and sharing with the less privileged are one of the important elements of such education. It is our collective responsibility to empower the underprivileged to become self reliant so that they can live with respect and dignity. It is our duty to uphold the human rights of all disadvantaged sections of society. Our college encourages a lifelong ethic of community service. Practices • The college has a Social Outreach Enabling Centre which gives an opportunity to the students to work with various civil society organizations. Around 300 students work with children from the underprivileged communities, on women's issues, deaddiction and counseling, children with disabilities, environmental issues and human rights issues. Broadly the work includes conducting surveys, organizing awareness campaigns, counseling, assisting teachers in day to day activities during school annual days and other functions, conducting art and craft workshops, organizing clothes, toys and book collection drive and administrative work. • We work with 15 civil society organizations namely

KKPKP(Kagad Kach Patra Kashtakari Panchayat ) a waste collectors' organization, Ankur Vidyamandir - an inclusive school, Doorstep School - a school for the underprivileged children, Aalochana - a women's documentation centre, Vanchit Vikas -an organization working with urban poor, hawkers, sex workers and their children, Prism Foundation - an educational organization working with children with special needs Santulan - a drug de addiction centre, Mook Badhir Shikshan Kendra a school for deaf and mute children, Department of Social Initiatives Forbes Marshall, Hutatma Rajguru School - a neighbourhood school for the underprivileged children, Tathapi - a women's organization working on the issues of women and health, Sant Ramdas School - a Pune Municipal primary

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school, Deep Griha Society - an urban community centre, Aakansha Foundation and Green Campus Initiatives. Saathi is another initiative to integrate students with blindness into the college main stream. This is achieved through several activities like peer mentoring, self improvement workshops and participation in regular college activities and annual celebration of Louis Braille Day. • International Students? Facilitation Centre: Fergusson College has always been one of the most popular destinations for international students in Pune. Presently, there are 269 students from 36 countries in the college. The International Students? Facilitation Centre addresses the needs of international students and helps them adapt to the college milieu. The activities of the Centre include Orientation programme, tour of Pune city to places of cultural and historical interest, film screenings, student presentations on their respective countries, interaction with past international students of the college, communications skills? workshop. The highlight of the centre is the annual cultural programme, Panorama. It has been one of the major attractions amongst the cultural festivals in the college during the last 8 years. What makes this programme distinctive is that the flags of all the countries form the backdrop on the stage and the programme ends with the singing of the national anthems of all the participating nations.

4. Evidence of Success: The press has given coverage to the work done by the social outreach and enabling centre. Also several NGOs approach us for volunteers. The students have benefited a great deal. It has given them confidence in working with the community. It has been a process of self discovery for many. The International Students Facilitation Centre has helped in bridging the gap between the international students and the teachers / administration and in building camaraderie amongst the students. Best Practice III

1. Title of the Practice: Towards Gender Equality  
 2. Goal a) To sensitize the students to various dimensions of gender discrimination. b) To engage the students in activities that would empower them to work towards a gender just society.  
 3. The Context: There is an alarming rise in violence against women. No society can claim itself to be developed if half its populace is deprived of a dignified existence. As citizens of India it is our primary duty to uphold the values of equality, liberty, justice and fraternity enshrined in our Constitution.  
 4. The Practice: Fergusson College is committed to the cause of gender equality and has been undertaking several programmes towards this end. They are academic, awareness and action oriented.

Academic Oriented Programmes • Certificate course in „Women and Development?: This is a three month part time certificate course conducted by Women?s Studies Centre, SSPU, Pune which we have been conducting for the past 8 years. This has received an overwhelming response from students. • Student Research Projects: 8 short term student research projects on gender issues have been undertaken so far in collaboration with some of the pioneering women?s groups in Pune

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

[https://www.fergusson.edu/quicklink/IQAC\\_Best\\_Practices.html](https://www.fergusson.edu/quicklink/IQAC_Best_Practices.html)

### 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

OUR VISION The founders of our parent organization Deccan Education Society and of the Fergusson College, were more than convinced, of the need for the spread of western knowledge, as an urgent need of Indian Society, to bring about social reforms and as a potent instrument for national regeneration. The emphasis of the founders on 'knowledge', is aptly reflected in the college emblem, which bears the inscription, 'Knowledge is Power'. The 'Garuda' (the Eagle) in this emblem, symbolizes the youth, soaring with the power of

knowledge, into a vast sky of challenges and opportunities. MISSION To aspire and strive for excellence in education by developing and sharpening the intellectual and human potential of learners for the good of society and of our stakeholders. We honor scholarship in all of its aspects: artistic, cultural, scientific, and applied. We support professional development and training of our staff and administrators and encourage and nurture intellectual curiosity in our students by focusing on overall development of student. 1. The quality of our academic programmes is central to our educational mission. We set high standards for ourselves in all of our actions and activities assess our performance and acknowledge both individual and group contributions to the fulfilment of our mission. This has been evident through the themes of the pogrammes which have been implemented through UGC and DBT Schemes. 2. Our policies, programmes and actions affirm the worth and personal dignity of every member of the college community and contribute to a campus climate of civility, collegiality, trust, and reasoned debate. We take pride in the diversity of our community. This has been entrusted upon students right from the induction programmes conducted for students at the beginning of every academic session. 3. We seek genuine partnerships with local academic institutes, industries, government, and social agencies in order to serve the intellectual, artistic, cultural, and economic needs of our surrounding communities. Partnerships have been on priority with Institutes of National and International reputes which has created platform for exchange of ideas and sharing of resources with National and International Institutes/ Universities. The College has made concerted efforts to provide skill based training to teacher's as well as student's. Mentoring also being an integral part of their grooming to become good citizen as well as academician. 4. We value idealism, innovation and creativity and regularly reexamine our programmes and practices so that every area of the college life will be continually improved and renewed.

Provide the weblink of the institution

<https://www.fergusson.edu/article/Vision&mission.html>

## 8.Future Plans of Actions for Next Academic Year

1. Diagnostic Test at entry level ie., for F.Y B.Sc. and F.Y.B.A students will conducted form June 2020. This will help in assessing the basic knowledge of students in that particular subject and based on the results of such Test, if needed, BRIDGE course will be designed immediately for such students which will help them to gain more knowledge of the subject and promote better understanding of the subject. 2. During the recently conducted academic audit, it was observed that, there are good number of Advanced Learners in different classes. There is a need to give some additional challenging task to these advanced learners which could be in the form of additional assignments/surveys/tests or it could be short duration projects. 3. At present (June 2019), the IQAC has implemented LOCF based curriculum for all first year B.A.,B.Sc.,M.A. and M.Sc. programmes. The Course Outcomes and Programme Outcomes have been mapped. However, an important task of mapping Course Outcomes and Questions asked in the Concurrent Evaluation/ End Semester Examination need to be carried out. Specific formats in this regard will be generated by IQAC and then implemented. Departmentwise document will be prepared for such mapping exercise. 4. As a part of Internal Evaluation (Concurrent Evaluation) most of the departments are following innovative methods of assessment. Documentation of such innovative methods needs to be done which could be in the form of video clips. 5. Publications in SCOPUS journals remains a grey area. To promote research, all such essential efforts will be undertaken. Presently, SEED money is given for teacher's to present/ participate in Conferences / skill based workshops. This will help in boosting research. IQAC has taken efforts to motivate teacher's to submit research proposals to various funding agencies and in this regard, six proposals under UGCSTRIDComponent 2 and two proposals under UGCSPARC have been submitted. 6. In coming year, skill based

training especially of teacher's and students in upcoming areas like PYTHON and R programming will be done. Interdisciplinary approaches like Data collection, Combining Big Data with Traditional Data, Reliability and Variability, use of SPSS, Multivariate Analysis will be employed for such training programmes with Social Science and Humanities being themes. Through such training programmes, a trained human resource can be generated and it will also help in making our student's "industry ready". 7. At present, the College Conducts Certificate Course in IPR. In the coming year, workshops on IPR and related issues will be conducted for teacher's as well as student's which will create awareness regarding IPR and motivate students to innovate. 8. Consultancy is presently is done by few departments. However, this needs expansion. The old Consultancy Policy will be revived and more departments will be motivated and promoted to undertake such kind of work. Similarly, Corporate training has also been restricted to some departments. Departments which have potential to undertake Corporate Training have been identified - Economics, English, French, German, Sanskrit and Computer Science. 9. Some departments like Geology and Physics have been working in close association with