

SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

LOKMANGAL SCIENCE AND ENTREPRENEURSHIP COLLEGE, WADALA

A/P- WADALA, TAL- NORTH SOLAPUR, DIST- SOLAPUR (M.S.)
413222

www.lokmangalsciencecollege.org

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

April 2018

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

It is a matter of great pride and privilege to submit the Self-Study Report for the first cycle of accreditation. This opportunity first time has provided to review the progress of the Institute. The preparation of the self study report has also strengthened our efforts for further quality quest in the years to come. Shriram Gramin Sanshodhan Va Vikas Pratisthan, Wadala was established by the visionary leader Honourable Subhash (Bapu) Deshmukh in 1997, registered under the Public Trust Act, 1950.

Indeed, it is a matter of honor to mention the positive responses received from all the stakeholders in the pursuit for quality enhancement. Enhancement of teaching-learning with ICT, eco-friendly initiatives, students outstanding achievements in various fields and contribution of stakeholders like alumni etc., have directed the efforts of institute in a systematic manner. Alumni of the college are holding responsible positions in India and abroad.

The institute has been located at Wadala, Tal.-North Solapur, Dist.-Solapur of Maharashtra state, which is 25 kms away from and north to Solapur city, on the Solapur-Barshi State Highway (MH SH 151, Maharashtra). It is one of the leading institutes located in rural area of Solapur District, providing the higher education to all the sectors of students coming from the rural and urban areas.

Vision

Quality policy of Shriram Gramin Sanshodhan Va Vikas Pratisthan is “To mould an ideal student with zeal of Entrepreneurship & Social Commitments”. Quality education is soul of the society which teaches & influences the thinking of future generation. “Education is the training, which sharpens the intellect, improves grasping power & prevents the discrimination among students.” The real test of education in modern society is to develop good citizen for tomorrow, through character building, logical thinking & making them aware of individual and socially responsible. This institute has always been dedicated to be ideal.

Mission

This institute has brought higher education to the doorsteps of the rural masses, under the leadership of Honorable President Mr. Rohanji Deshmukh. “Akhand Gatitun Sarthakta” is the motto of the Lokmangal Group, with this motto in mind; we follow goals & mission of the institute.

- To stickup with the quote, “Slow but Steady Growths”.
- To provide quality education to all by means of sheer hard work, dedication & devotion.
- To impart innovative education to promote current scientific temper.
- To ensure values like Truth, Honesty, Character, Sacrifice like Yug Purush “Shriram” in to the students & to curb social exploitation through education among students.
- To make the students aware of their community and social responsibilities and give them social perspectives.

- To produce the service provider rather than service seekers through developing entrepreneurs.
- To provide services to the society through soil and water testing, plant tissue culture, vermicomposting, rain water harvesting and plant nursery etc.

Type of Institute:

This institute has Lokmangal Science and Entrepreneurship College affiliated to Solapur University, Solapur and runs two B.Sc. degree programs as Biotechnology and Entrepreneurship. This college has 2 (f) registration of UGC and recently applied for 12 (B). It is permanently non-aided, self-financing, regular and providing co-education to the students. This institute also has other colleges like B.Sc. Agriculture, Agricultural Biotechnology, Bachelor of Business Administration in Agriculture, Agricultural Polytechnic affiliated to Mahatma Phule Krishi Vidyapeeth, Rahuri. This institute also runs ITI and English medium school in the campus.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Impressive infrastructure with spacious well ventilated classrooms with proper light and well equipped laboratories.
- Excellent library and learning resources.
- Adequate research facilities.
- Adequate space for sports activities.
- Vidyadan Yojna for poor and needy students.

Institutional Weakness

- Location of college is away from district place.
- Less International collaborations.
- Curriculum not at par with needs of the industry.
- Inadequate technical staff.

Institutional Opportunity

- To get autonomous status.
- To obtain more funds for research projects from National and International funding agencies.
- To establish collaborations with industry-academia, national and international institutions and organizations.
- To demand for new courses and colleges.
- To generate employment opportunities.

Institutional Challenge

- Admissions.

- Transportation.
- Water availability for irrigation.
- Skilled workers
- Funding
- Cost of maintenance.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

This institute is located in rural area with the goal to deliver knowledge to rural and urban students. This is only one of its kinds which run B.Sc. Entrepreneurship course along with Biotechnology affiliated to Solapur University. Within a short span, the college has shown high quality academic performance. This institute provides essential and necessary facilities to the faculties and students. This institute provides “Vidyadan” scheme to the needy and poor students. The institution has introduced ‘Plant Tissue Culture’ certificate course in 2015-16. Faculties from this college have become the part of various bodies of the university like BOS, syllabus subcommittee, academic council etc. Majority of the staff members are well qualified as per university norms and also have good potential in participating university assessment work. This college has accepted CBCS credit system implemented by the university. The institution tries to integrate the cross cutting issues related to gender equality, environment and sustainability, human values and professional ethics which have become the part of curriculum. These education qualities prove that courses taught in college go hand in hand with people and nature. The college implements digital learning techniques as well as language laboratory for all round development of learners. By the analysis of feedback from the stakeholders, it has found to be a good futuristic significance; which is helpful in overall development and institution can be a role model for others.

Teaching-learning and Evaluation

Generally the students are admitted to the courses as per rules and regulation of the Solapur University and Government of Maharashtra. Most of the students come from Solapur district and few from other. After admission, advanced and slow learners are identified from the merit and interaction with students. The extra coaching is arranged for slow learners under the guidance of mentors from the beginning. The student-teacher ratio is satisfactory maintained in the college. Teaching methods like experiential learning, participative learning and problem solving are followed. Almost all teachers in addition, use ICT for effective teaching-learning process. Language laboratory is used for teaching language and communication skills. The library is well provided with internet facility to the students and also has electronic data on various topics. There is a microphotography facility in the department. Students are using audio-visual aids for better understanding based on pedagogy. Teachers & students are allowed to argument with respect to pros & cons of concepts as well as research findings. Average percentage of full time teachers against sanctioned posts during the last five years is satisfactory. Students are evaluated at college level (CA) and university level (UA). Reforms are continuously done in this process. Internal assessment is transparent and robust in terms of frequency and variety. Mechanism to deal with examination related grievances is transparent, time-bound and efficient at both college and university level. Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution continuously.

Research, Innovations and Extension

Resource persons are invited for the seminars/conferences/workshops/guest lectures for students and research workers. Institution has organized state level workshop on medicinal plants. The institute felicitates the teachers and students participated in research activities. The college has organized university level research festival “Avishkar” twice. The faculties are engaged in publishing the research work, text books and reference books. The grants for project work were received from NGOs. The Entrepreneurship program is the innovation of science, economics and business along with Biotechnology having many objectives to cater the needs of society. The students are advised to undertake the projects on the needs of society through the survey. The facilities like Biogas, ETP, Composting, Leaf Tissue Analysis, Biofertilizer, sugarcane plantation (R&D), Plant tissue culture lab for the production of plantlets and mobile soil-water testing lab for the detection of parameters. The institution follows the code of ethics to check the malpractices and plagiarism in research using the facility from the university. The college has organized different extension activities by NSS students in the neighborhood community in terms of impact and sensitizing students to the social issues. Some teachers have received the award from non-government recognized bodies. The industrial visits are organized for the students to acquaint with training and research. The college has established MOUs with national institute and non-government institutes.

Infrastructure and Learning Resources

Institute has almost appropriate and adequate facilities in the campus. College has outstanding performance in curricular, co-curricular and extracurricular activities. The institute provides various infrastructural facilities for theory and practical. The laboratories are well equipped with instruments and chemicals. The class rooms are with ICT based facilities. Class rooms are having proper lighting, sitting and ventilation while some has LCD facility. These facilities are helpful for teaching-learning process. The institute has its own play ground for various sports activities and Gymkhana. The college has organized university level “Youth Festival” twice which reflects the support for cultural activities. Since the college is unaided, the institute allocates the budget for the infrastructure augmentation. The botanical garden and many lush green lawns are beautifying campus area. The central and departmental libraries make available the books, journals, magazines in various subjects to the students and staff. The college has started the night Library for the students. Computer lab, laboratory, some classrooms, seminar hall, examination cell, Principal office, administration office, account office, sports room, library, store room and hostel etc. have LAN facility with advanced software and electronic equipments for smooth working. Every year, the number of students’ participation in sports events is increasing. Safe drinking water and uninterrupted electricity supply have been made available to the Boys and Girls hostel, staff quarter, mess and canteen. The campus has sound infrastructure for green initiatives.

Student Support and Progression

College disburses State/Central Scholarships/Freeships to the reserved category students as per the norms of government. More than Rs. 67,90,350/- have been sanctioned through various schemes. To support the education of poor students, “Vidyadan Scheme” provides free education, lodging and boarding facilities. About 195 deserving students have been benefitted during the last three years by this scheme. The college has career counseling and entrepreneurship development cell for guiding students. Few of the alumni are working abroad as research fellows, few have qualified NET/SET/GET exams and some have passed MPSC exams. Most of the students are admitted to P.G. courses and placed in the private companies. The college has a well developed Girls’ hostel, Girls’ rest/recreation room and gymnasium etc. The institution has redressal mechanism for the students’ grievances concerned to sexual harassment and ragging. Institute publishes the prospectus which highlights vision, mission, goals and objectives as well as “Vidyadan Yojana”, Courses offered, result of pass

out students, fee structure, hostel information etc. The college publishes “Avishkar” college magazine which provides platform to students for their scientific as well as creative writing. The college has organized University level Research festival, Youth festival, Entrepreneurship competition, Guest lectures, coaching and remedial classes for aspiring students. Some students have participated in national level sports and received the award. The college has established student council and the members are allowed to participate in the various committees. The college has developed the alumni association through which the response of the stakeholders is received.

Governance, Leadership and Management

Institute follows the vision and mission to attain excellence and to mould students in its vision. The institute provides authority to various committees and bodies to create a good decentralization system. Everyone has freedom to express the views, opinions and suggestions which are taken into consideration while taking decision. The institute has various prospective plans and management tries to succeed the same. The institute runs under the NGO namely, “Shriram Gramin Sanshodhan Va Vikas Pratishtan”. The institute has well organized hierarchy of organizational structure which makes administration flexible and synchronized. The institute has e-governance in Planning and Development, Administration, Finance and Accounts, Student Admission and Examination on the experimental basis. Various bodies and committees took regular meetings for effective implementation of their resolution. The institute provides welfare schemes for health, finance, insurance, loan, training and study leave etc. for teaching and non teaching staff to maintain the work spirit. Institute encourages the faculty member to increase the skill by providing funds to attain workshops, seminars, training programs, etc. The institute has its own performance appraisal system for teaching and non teaching staff. All accounts of institute are regularly audited by internal auditor and Chartered Accountant to remove errors and to make their rectifications. Funds are collected through student fees and donations from individuals, NGO, etc. The institute has Internal Quality Assurance Cell (IQAC), which helps in future planning and improves work performance. The IQAC takes a various quality initiatives for promoting quality culture every year.

Institutional Values and Best Practices

The college tries to maintain gender equity and has grievance cell for the lady students and staffs. The solar system of the institute provides about 5% renewable source of energy and 30% of the lighting power is utilized for LED. Solid waste management is carried out through vermicomposting and biogas plant, liquid waste management by Effluent Treatment Plant and e-waste is managed through repair and reuse of electronic equipments. Trenches, artificial lakes, rooftops, and bunds are the means for rain water harvesting. Students use public transport facility, sharing vehicles, and bicycles and staff members use institute’s bus for transport. The institute has budget every year for green initiatives and waste management. The college provides physical facilities like Ramp, Scribes and sitting arrangement for differently abled students. The institute has location advantages like rain water harvesting, soil-water and tissue culture laboratories, plant nursery whereas the disadvantages include - no bus stop for state transport and unavailability of skilled workers. The institute has core values, professional ethics and code of conduct for inspirational and smooth functioning. The institute organizes the activities related to fundamental duties, rights of Indian citizens, promotion of universal, national values, national integration and social cohesion for observance of fundamental duties. Complete transparency is maintained in financial, academic, administrative and auxiliary functions. Biodiversity audit, Industrial Exposure and Guest Lectures, Plant tissue culture, Leaf tissue analysis, Bio-pesticides and Soil-water Testing laboratories are the institute’s best and distinctive practices.

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2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	LOKMANGAL SCIENCE AND ENTREPRENEURSHIP COLLEGE, WADALA
Address	A/P- Wadala, Tal- North Solapur, Dist- Solapur (M.S.)
City	Solapur
State	Maharashtra
Pin	413222
Website	www.lokmangalsciencecollege.org

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Mali Nivrutti Shankar	0217-2735524	9923404692	0217-2246468	lokmangal.gargi@gmail.com
IQAC Coordinator	Bajare Jitendra Shahaji	0217-2735525	9421072660	-	jitendrabajare@gmail.com

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details

Date of establishment of the college	01-01-2005			
University to which the college is affiliated/ or which governs the college (if it is a constituent college)				
State	University name		Document	
Maharashtra	Solapur University		View Document	
Details of UGC recognition				
Under Section	Date		View Document	
2f of UGC	09-03-2007		View Document	
12B of UGC				
Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
No contents				

Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	A/P- Wadala, Tal- North Solapur, Dist- Solapur (M.S.)	Rural	146.75	15292.89

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BSc,Biotechnology	36	Twelfth Science	English	60	41
UG	BSc,Entrepreneurship	36	Twelfth Science	English	60	43

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				1				33			
Recruited	0	0	0	0	1	0	0	1	7	1	0	8
Yet to Recruit	0				0				25			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				8			
Recruited	0	0	0	0	0	0	0	0	5	3	0	8
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				11
Recruited	5	1	0	6
Yet to Recruit				5
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	1	0	0	3	1	0	5
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	4	0	0	4

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	5	3	0	8

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
		1	1	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
Certificate	Male	8	0	0	0	8
	Female	7	0	0	0	7
	Others	0	0	0	0	0
UG	Male	93	0	0	0	93
	Female	80	0	0	0	80
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	4	8	11	12
	Female	3	5	6	4
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	16	16	18	14
	Female	12	16	21	12
	Others	0	0	0	0
General	Male	30	29	45	45
	Female	26	45	59	45
	Others	0	0	0	0
Others	Male	5	8	11	18
	Female	4	6	5	5
	Others	0	0	0	0
Total		100	133	176	155

3. Extended Profile

3.1 Program

Number of courses offered by the institution across all programs during the last five years

Response : 102

Number of self-financed Programs offered by college

Response : 2

Number of new programmes introduced in the college during the last five years

Response : 0

3.2 Students

Number of students year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
155	176	133	100	35

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
60	60	60	60	60

Number of outgoing / final year students year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
43	59	1	15	20

Total number of outgoing / final year students

Response : 142

3.3 Teachers

Number of teachers year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
19	18	13	13	11

Number of full time teachers year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
19	18	13	13	11

Number of sanctioned posts year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
34	34	34	24	24

Total experience of full-time teachers**Response : 51****Number of full time teachers worked in the institution during the last 5 years****Response : 42****3.4 Institution****Total number of classrooms and seminar halls****Response : 7****Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)**

2016-17	2015-16	2014-15	2013-14	2012-13
92.33	79.68	60.70	54.72	13.00

Number of computers**Response : 25**

Unit cost of education including the salary component(INR in Lakhs)

Response : 0.71

Unit cost of education excluding the salary component(INR in Lakhs)

Response : 0.47

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4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The institution ensures effective curriculum delivery through a well planned and documented process

Response:

As this college is affiliated college, the curriculum is designed and finalized by the respective board of studies of Solapur University, Solapur. Since last two years, the curriculum has been prepared as per CBCS pattern and implemented. After the approval by academic council, the syllabus is made available on the university website. In the beginning of the academic year, the syllabus is made available to the respective teachers where he/she prepares the teaching plan semester-wise and tries to complete the syllabus within the stipulated time. Each staff member prepares an academic teaching plan and departmental calendar for effective and timely completion of predetermined portion. For the effective curriculum delivery, the teachers are using conventional and modern teaching aids. In the conventional method, black board and chalks are preferred with oral explanation whereas in modern teaching method (ICT based), over head projector, LCD projector, PPT presentation and computers with internet facility are made available to the teachers for effective curriculum delivery by the institute. The notes are also shared with respective/concerned students as printed matter. Term start and end meetings are conducted by the Principal along with faculty members. In the beginning of the term, the syllabus is allotted to the concerned teachers. At the end of the term end meeting, syllabus completion report of various subjects is evaluated. At the end of every month, teachers submit the syllabus completion report to the management through the Principal. Both the courses are run by the institute and are science based, hence the practical work is also completed as per the university norms. Attendance record of the students for theory and practical courses is maintained regularly. Students' record of having more than 75% attendance is only allowed to appear for the university examination. Record of academic calendar, workload distribution, syllabus files, work load chart, teaching plan, syllabus covered, syllabus completion report, attendance report, transferences, PPT presentations, counseling record etc. is maintained by the college. Every staff member has CIAAN register for the documentation of teaching plan, attendance of students and other activities done.

1.1.2 Number of certificate/diploma program introduced during the last five years

Response: 1

1.1.2.1 Number of certificate/diploma programs introduced year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	1	0	0	0

File Description	Document
Details of the certificate/Diploma programs	View Document

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Response: 20.27

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
00	01	01	00	01

File Description	Document
Details of participation of teachers in various bodies	View Document

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years

Response: 0

1.2.1.1 How many new courses are introduced within the last five years

File Description	Document
Details of the new courses introduced	View Document

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Response: 100

1.2.2.1 Number of programs in which CBCS/ Elective course system implemented.

Response: 2

File Description	Document
Name of the programs in which CBCS is implemented	View Document

1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years**Response:** 0

1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	View Document

1.3 Curriculum Enrichment**1.3.1 Institution integrates cross- cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum****Response:**

Class	Sem	Core course / Subject	Issues
B. Sc. Entrepreneurship	I I	ENT 101: Paper I: Entrepreneurship and world of business	Business Ethics
B. Sc. Entrepreneurship	I I	ENT 102: Paper I: Fundamental of inorganic chemistry	Water and Air pollution
B. Sc. Entrepreneurship	II IV	Paper VIII Industrial Aspects of Applied Chemistry	Pollution caused by fertilizers
B. Sc. Entrepreneurship	II IV	Paper VII Corporate Accounting & Professional Ethics	Professional Ethics
B. Sc. Entrepreneurship	II IV	Ability Enhancement Course (AECC) Environmental Science	Gender, Environment, Human values
B. Sc. Entrepreneurship	III V	ENT 502 Human Resource Management	Human values and Professional Ethics
B. Sc. Entrepreneurship	III V	ENT-504 - Ind. Microbiology & Ind. Biotechnology Paper-VII Advances in Fermentation Technology	Bioethics and Bio-safety
B. Sc. Biotechnology	I I	BT 101: Ecology and Microbiology Paper I: Ecology	Environment
B. Sc.	I II	BT 105: Environmental pollution and	Environmental pollution

Biotechnology		Environmental pollution Techniques Paper I: Environmental pollution	
B. Sc. Biotechnology	II IV	Ability Enhancement Course (AECC) Environmental Science	Gender, Environment, Human values
B. Sc. Biotechnology	III V	Paper 24 Recent Trends in Biotechnology	Environmental Remedies, Toxicological studies and Bioethics

1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years

Response: 0

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 00

File Description	Document
Details of the value-added courses imparting transferable and life skills	View Document

1.3.3 Percentage of students undertaking field projects / internships

Response: 28.39

1.3.3.1 Number of students undertaking field projects or internships

Response: 44

File Description	Document
Institutional data in prescribed format	View Document

1.4 Feedback System

1.4.1 Structured feedback received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni and 5) Parents for design and review of syllabus-Semester wise/ year-wise

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: D. Any 1 of the above	
File Description	Document
URL for stakeholder feedback report	View Document

<p>1.4.2 Feedback processes of the institution may be classified as follows:</p> <p>A. Feedback collected, analysed and action taken and feedback available on website</p> <p>B. Feedback collected, analysed and action has been taken</p> <p>C. Feedback collected and analysed</p> <p>D. Feedback collected</p> <p>Response: D. Feedback collected</p>	
File Description	Document
Any additional information	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 0

2.1.1.1 Number of students from other states and countries year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description

Document

List of students (other states and countries)

[View Document](#)

Institutional data in prescribed format

[View Document](#)

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 99.83

2.1.2.1 Number of students admitted year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
155	176	133	100	35

2.1.2.2 Number of sanctioned seats year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
120	120	120	120	120

File Description

Document

Institutional data in prescribed format

[View Document](#)

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 85

2.1.3.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
65	72	59	44	15

File Description	Document
Institutional data in prescribed format	View Document

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Response:

After the admission process, the students are judged by the mentor based on merit, punctuality, seminar, tests, interaction and discussion etc. and are categorized into advanced and slow learners. The special programs are organized for the advanced and slow learners by the college. After the identification of advanced and slow learners, combined efforts are taken by the faculties for the development of advanced learners and improvement of slow learners.

Special programs organized:

- Various methods of evaluation such as question answer session within lecture, home assignments, tests, seminars have been adapted to identify the advanced learners and special assistance has been provided to such students in the form of reference books, journals, handwritten notes and by providing special library facilities.
- The students are encouraged and guided to appear for the competitive examinations, field based studies, skills displayed in extracurricular activities, seminar, debates, elocution etc.
- Students are inspired to solve the previous university question papers; likely question papers, set by the teachers and after the assessment, students are advised to refer the books as well as personal guidance is provided for shaping the improvement.
- Screened slow learners are given special advantage of supervised study through the counseling as well as availing partners from advanced learners. Difficult concepts are made easy using mother tongue language during person counseling. Extra coaching classes are arranged for slow learners.

Students are inspired to participate in various co-curricular and extra-curricular activities for inducing the positive attitude in both the advanced and slow learners. These activities also help in stress management, spiritual and physical development ultimately leading to improvement in the learning process.

2.2.2 Student - Full time teacher ratio**Response:** 8.16

File Description	Document
Institutional data in prescribed format	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls**Response:** 0.65**2.2.3.1 Number of differently abled students on rolls****Response:** 1

File Description	Document
Institutional data in prescribed format	View Document

2.3 Teaching- Learning Process**2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences****Response:**

Experiential learning: Teachers use the interactive methods of teaching and conduct group discussions in class rooms. Students are divided in groups and are encouraged to speak on topics related to the subjects & current affairs. The open theatre *Muktangan* has been provided to them for such activities. Students are also asked to give power point presentations on selected topics. This method improves the student's knowledge on current topics, helps to improve communication, builds confidence and thus, leads to personality development. Both Biotechnology & Entrepreneurship programs are considered under the faculty of science, hence contain practical courses. The students are participating in Avishkar Research Festival conducted by the Solapur University, Solapur. Every year students are also attending conferences and seminars. Most of the students have attended National Science Congress meet. Data obtained during the regular practical, compulsory projects and other research, students would statistically analyze the data, put the hypothesis and draw the logical inference. Magazine named Avishkar is the platform to express the views and creativity of students. This type of learning enhances the decision taking ability of students.

Participative learning: To inculcate leadership skills among students and overall personality development, students are encouraged to organize and participate in various events like organization of debates on the anniversaries of great leaders, national festivals, NSS camp and other special occasions. At the end of every lecture, interactive sessions are practiced to clarify doubts and any type of ambiguity related to the lecture. Students are informed in advance to prepare the unit which is to be taught on the next day. On the next day, the same unit is discussed among the students during the teaching hours. Students are encouraged to participate in model competition as well as poster presentations. Due to participative learning, students get acquainted with professional values, critical thinking, decision making, leadership, time

management, adaptability, self confidence and innovation. These types of learning have made students independent, interactive and interdependent. As a part of participative learning, students are always visiting various collaborated institutes for different issues during the process of learning. This type of learning leads to the overall development of students.

Problem Solving: Students generally face with some problems every day during the educational life. One of the best things we do is to nurture these opportunities and encourage them to solve problems related to academic, personal and social life by their own. As a teacher, we routinely take the responsibilities as provider and protector of the students wherever difficulties arise. At every stage of learning, problems are faced by the students, instead of giving solution immediately, students are induced to discuss among themselves and find the solution. Sometimes if students cannot solve problem in stipulated time, they are allowed to use e-learning facility to solve the unanswered problems. Then also if problem is not settled, the teachers try to justify the problems referring to the autobiography of great idols.

Experiential, participative and problem solving learning methods have been student centric and enhance self-sufficiency habit among the students.

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 89.47

2.3.2.1 Number of teachers using ICT

Response: 17

File Description	Document
List of teachers (using ICT for teaching)	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 8.16

2.3.3.1 Number of mentors

Response: 19

File Description	Document
Year wise list of number of students, full time teachers and students to mentor ratio	View Document

2.3.4 Innovation and creativity in teaching-learning

Response:

For Innovation and creativity in teaching-learning process, the best infrastructural facilities are offered by the institute. Accordingly, some of the classrooms in the college have provision for computer, LCD & internet connectivity enabling computer Aided Learning. Teachers are often using power point presentations to make learning an interesting experience. Every teacher has the CIAAN book for maintaining academic record, making teaching plan and keeping record of regular attendance of students. Sometimes students are also encouraged to give seminars by using PPT presentations. We have e-learning web sites and ICT enabled teaching methods. College has provided internet facility to Library and departments. Library is well equipped with online access tools, CDs and DVDs on various topics. There is a facility for microphotography in the department. Students are using audio-visual aids for better understanding. For improving communication skill and innovations, students are regularly visiting language laboratory. Lectures from eminent personalities are shown to the students using virtual classroom facility. Some of the students are engaged in tuitions of Lokmangal English Medium School regularly which proves the learning by doing method. Nowadays college is adapting with modern teaching-learning methodology-based on pedagogy.

Teachers & students are allowed to argument with respect to pros & cons of concepts as well as research findings. Through the incidental learning, students have been aware to the laboratory rules & regulations. Difficult terms & notions are easily taught using context from day to day life. Biotechnology & Entrepreneurship programs are based on science & economics studies hence are learned using computational methods. Both the programs contain practical & project courses that are learned with satisfaction by doing method. Projects are allotted in groups; hence students know importance of team work & emotional attachments. Under the Entrepreneurship program, stories of successful business persons are taught as case studies for developing inspirational courage. Compulsory Environmental studies course is mostly taught outside the classrooms.

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 49.41

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Response: 15.23

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2	3	2	2	2

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document

2.4.3 Teaching experience per full time teacher in number of years

Response: 2.68

File Description	Document
List of Teachers including their PAN, designation,dept and experience details	View Document

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Response: 0

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
00	0	0	00	0

File Description	Document
Institutional data in prescribed format	View Document

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Response: 0

2.4.5.1 Number of full time teachers from other states year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	View Document

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Response:

As per the guidelines of Government & UGC, University has implemented reforms in continuous internal evaluation. All the colleges affiliated to Solapur University are mandatory to implement same mechanism in colleges with regard to continuous evaluation. In the Choice Based Credit System, performance of students is assessed through the university assessment & college assessment having 70% & 30% weightage respectively. Home assignments, tests, tutorials, seminars, viva voce etc. are considered for internal evaluation. Internal assessment process is the whole responsibility of the college.

Theories as well as practical courses are evaluated for 30% weightage which is considered along with university assessment for final result. As per the rules of University examination, separate passing has been considered for university assessments & college assessments. Those students fail in college assessments, are considered to be failed in university examination also. College assessment is the determinative process of assessment in which students are assessed for regularity, behavior, humanity, honourarity, punctuality, participation in extra-curricular & co-curricular activities etc. Severity of college assessment is more valuable due to its impact on overall performance in the examination. Other than this, in formal method of assessment, student should appear for unit test, forth nightly tests, midterm & term end examinations. This practice will help the students to improve the academic merits.

Individual student's result analysis has been done subject-wise by the concerned teacher after every internal examination. Reports of the result analysis are submitted to the HODs. If the performance of the students in the internal examination is found poor, then the concerned student is guided by the concerned teacher for further improvement. This result analysis data is also used to take Remedial Action for the slow and average learner students where as fast learner students are encouraged to target the University ranks.

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Response:

All the internal assessment process is carried out by the college which is based on transparent & robust mechanism. Under the guidance & supervision of college principal, schedule of the internal examination is designed. In the meeting of internal Assessment Committee, teachers are advised to follow all the rules & regulations of the University for Internal Assessment. In the same meeting, the question paper pattern of internal examination is also decided. Within a specified time, concerned faculty member is informed to submit the question papers to the chairman of the committee. To maintain the secrecy and security of the question papers, question paper sets are kept in the custody of respective head.

With prior permission of the Principal, the chairman of the committee displays the time table fifteen days before the commencement of examination. For the internal examination, junior supervisors are appointed for the conduction of examination. Block supervision is given to other than concerned subject teacher. After the examination concerned subject teacher evaluates the students answer papers & declares the result within a stipulated time. The marks obtained by the students are displayed on the notice board to receive the complaints/grievances from the students if any. Finally the marklist of college assessment is prepared and submitted to the university using on-line portal.

The college conducts one internal examination in each term as per the university guidelines. In addition to this the concerned teacher conducts the unit tests, monthly and term end tests based on different units.

The internal assessment of the student is also carried out by the college by conducting written tests, oral tests, projects, viva, quiz, model pictures, seminars, surprise tests, open book tests & home assignment etc. Similarly students are also inspired to solve the past question papers. The pattern of the internal exam comprises, multiple choice questions, short answer questions, long answer questions & essay type questions. All these things indicate the variety of the internal assessment.

2.5.3 Mechanism to deal with examination related grievances is transparent, time-bound and efficient

Response:

College Level:

Grievance Redressal Cell of the College helps the students to approach for general and personal grievances. After the assessment of answer books of midterm and internal examination, the mark sheet is prepared and displayed on the notice board for student information. The students are also informed to report any queries associated with their marks. If there is any objection or query found in the marks obtained, then the Grievance Redressal Cell tries to justify. After the student's satisfaction, the marklist is finalized by the heads of departments and forwarded to the university.

University Level:

The University declares the exam schedule as well as final time table on university website, two months & one month before commencement of the actual semester exams respectively. This provides enough time for students to become mentally fit to face the forthcoming examination. After the examination, the answer papers are assessed by examiners and then certain answer papers are re-assessed (moderated) by the moderators.

Results are declared within one month to forty-five days after the examination. After declaration of the result, if there are any complaints of students regarding the marks obtained, then the students have the facility of revaluation/reassessment of the answer sheets by paying prescribed fees to the university. On the demand of students, photo copy of answer paper is made available by the university through the college, to clarify the doubts in marks obtained. If students found any type of discrepancy, they have right to put their viewpoints which can be submitted to the university along with prescribed form of

reassessment. Process of revaluation/reassessment is transparent and time bound as per the rules and regulation of the university. In addition, the follow up is taken with the University till the grievance is settled.

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Response:

The Academic Committee comprises of Principal, all the heads of the departments and faculty members of the college. Internal Evaluation Committee of the college prepares the draft time-table of the internal examination and submits to the academic committee for the execution. The academic committee prepares the academic calendar giving the prime importance to the examination along with industrial visits; seminars, guest lectures, and study tours etc. The academic calendar is prepared well in advance for the next academic session and it contains schedule of each event and the planned activities. Academic calendar carries the approximate schedules regarding teaching, examination, co-curricular activities, extra-curricular activities and other details of each semester. The academic calendar is displayed on notice board for information to students and staff. CIE is a continuous process implemented in the college for every class without fail.

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 on website and communicated to teachers and students

Response:

Program Outcomes (POs): Biotechnology

The biotechnology course provides the entire intensive and in-depth learning to the students. In today's scientific and changing business world, biotechnology program provides the deep knowledge beyond simulating, learning, understanding the techniques and also provides the deep awareness and knowledge of different organization working in biotechnology field and it also provides subject knowledge through various subjects and training mythology to the students. This program also gives, special training to the students in various roles like researchers, scientists, consultants, entrepreneurs, academicians, industry leaders and policy makers. The students successfully completing the biotechnology course can be able to establish trading, industrial and consultancy organizations in pharmaceuticals, paper industry, fermentation, food processing & preservation, agriculture, environment protection and also their own industry for micro propagation of commercially important plants in vitro, transgenic plants, vaccine production, clinical pathology, genetic counseling, human karyotyping etc. Students have also an opportunity to work in multinational companies dealing with the food products, dairy, pharmaceutical, chemical Industries, agribusiness, environment protection, production of tissue cultured and genetically modified plants.

Program Outcomes (POs): Entrepreneurship

This course focuses on industrial processes used in the production of major bulk chemicals and their secondary commercial products (dyes, pesticides, drugs, polymers etc.). Besides covering the traditional areas of chemistry as well as to enable students to enter *industry* with an appropriate level of understanding of the need for both the science and business aspects such as to design and develop a comprehensive business plan, to start a small business, to understand the basic concepts and laws of various management concepts. It also helps the students to develop managerial skill, understand marketing skill and policy document preparation, to understand balance sheet, cost statement and profit & loss and to develop the capacity to manage human resources in industry, and in addition, to create the ability to communicate effectively both orally and in writing.

File Description	Document
Link for Additional Information	View Document

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

The institution runs two programs named B.Sc. (Biotechnology) and B.Sc. (Entrepreneurship) affiliated to Solapur University, Solapur. The syllabus of these programs is designed by BOS taking into consideration the outcomes of the programs. The evaluation system includes college assessment and university assessment. In college assessment, student are assessed through tests and home assignment as well as seminars, unit tests, monthly tests, quarterly, half yearly and pre final examinations are conducted as per schedule or availability of time. The answer books of examinations and tests are shown to the students and are made aware for shortcomings and irrelevant potations in answers. Feedback is received from students with regards to syllabus, teaching faculty, infra structure and the library. At the end of each term, the university examination based on theory and practical are conducted by the University as per the schedule mentioned. The assessment of theory and practical is the sole responsibility of the university whereas internal assessment is the entire responsibility of the college.

The answer sheets of university examination are evaluated by evaluator and moderator. If there is any mistake in the evaluation due to loopholes of the university, students have right to re-evaluate their answer sheets. In practical examinations, the practical skills of students are evaluated by external expert of the university by conducting written, project work and viva voce. Every student has to face all the upper mentioned exam events in order to secure the marks which can be converted into the grade points for the declaration on the marklist by the University. The institute practices result analysis mechanism to measure attainment of program outcomes, program specific outcomes and course outcomes regularly.

2.6.3 Average pass percentage of Students

Response: 91.49

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.	
Response: 43	
2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution	
Response: 47	
File Description	Document
Institutional data in prescribed format	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process	
Response: 3.75	
File Description	Document
Database of all currently enrolled students	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

Response: 0

3.1.1.1 Total Grants for research projects sponsored by the government/non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
0.00	0.00	0.00	0.00	0

File Description

Document

List of project and grant details

[View Document](#)

3.1.2 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 0

3.1.2.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 00

File Description

Document

List of research projects and funding details

[View Document](#)

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

The Moto of institution is, “To mould an ideal student with zeal of Entrepreneurship & Social Commitments” which resembles with objectives of incubation center for creation and transfer of knowledge. In the state of Maharashtra, ours is the first institute running B.Sc. Entrepreneurship program

as innovation of science, economics and business in a single course.

Another program is B.Sc. Biotechnology which is interdisciplinary subject having many objectives to cater the needs of society. Combination of science and economics to solve the problems of society is the aim of Institution. Such types of the programmes or courses are available under different heads in the metro cities only. At such rural area, this facility is made available under Vidyadan scheme where students are offered free education, food and accommodation. These courses are offered to the students of neighborhood society, introducing modern and scientific based programmes. Running these programmes for the society is nothing but it is the transfer of knowledge for the betterment of common man. Entrepreneurship students are advised and supported for the startup projects for the production of daily needed goods as well as encouraged to find new needs of society through the survey. Biotechnology students are engaged in nursery and tissue culture of plants to provide the plantlets required for nearby farmers. Through the Lokmangal Saptahik Avishkar magazine and Spandhan, agriculture and agriculture related business information is provided to the society in local language. With the support of Lokmangal Co-operative bank, new entrepreneurs' business plan competition was successfully carried out. The students of entrepreneurship have started their own business in the campus while learning as Stationary shop, Xerox and Printing Center, as well as chalk and candle making mini production unit. Through soil and water analysis laboratory, information brochure are distributed in villages to know the importance of collection of soil samples, health analysis of soil and water as well as how to maintain fertility of soil. Along with this Leaf tissue analysis, Biofertilizer and Vermicomposting are also practiced.

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Response: 0

3.2.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
00	00	00	00	00

File Description	Document
List of workshops/seminars during the last 5 years	View Document

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

File Description	Document
Institutional data in prescribed format	View Document

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: Yes

File Description	Document
List of Awardees and Award details	View Document
e- copies of the letters of awards	View Document

3.3.3 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Response: 0.19

3.3.3.1 Number of research papers in the Journals notified on UGC website during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
15	0	0	1	1

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document

3.3.4 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years

Response: 0.2

3.3.4.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
3	0	00	00	00

File Description	Document
List books and chapters in edited volumes / books published	View Document

3.4 Extension Activities

3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

Sensitizing students having social commitment is our motto and in this regard, students are participating in various activities those are organized for the nearby society on the campus or off the campus. Students, teaching and non-teaching staff of the institute are always engaged in terms of workshops/seminar/lectures/fieldwork etc. in the activities like tree plantation, soil testing awareness, blood donation camps, micro scale entrepreneur development, banking survey, Publication of quarterly Lokmangal Sheti Pratik magazine, decomposing culture development, honey bee culture, business survey, vermicomposting, Tissue culture technology, AIDs awareness, Gram Swachatha Abhiyan, street play "Smart City for sustainable development", health awareness camp, women empowerment, water conservation, biogas production, agriculture animal health checkup, poster presentation in mass wedding ceremony, biofertilizer utilization, sexual harassment prevention, science exhibition, school students visits, Road safety, Lokmangal talent search exam, NSS camp, green audit of campus, online banking, gender Issue, disaster management and awareness through NSS student, Save Girl Child, use of pesticides, conservation of Indian Black bustard, industrial survey etc for the overall development of community.

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Response: 0

3.4.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
00	00	0	0	0

File Description	Document
Number of awards for extension activities in last 5 years	View Document

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry,

Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years**Response: 3**

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	0	0

File Description**Document**

Number of extension and outreach programs conducted with industry, community etc for the last five years

[View Document](#)**3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years****Response: 20**

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
155	0	0	0	0

File Description**Document**

Average percentage of students participating in extension activities with Govt. or NGO etc.

[View Document](#)**3.5 Collaboration****3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years****Response: 0**

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
00	00	00	00	00

File Description	Document
Number of Collaborative activities for research, faculty etc.	View Document

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 2

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2016-17	2015-16	2014-15	2013-14	2012-13
00	00	01	01	00

File Description	Document
Details of functional MoUs with institutions of national, international importance, other universities etc. during the last five years	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

The courses offered in the college are B.Sc Biotechnology and Entrepreneurship. The college has main building for the curricular activities such as conducting classes, practical, seminar, examination etc. The college has six class rooms having proper light source, ventilation and sitting arrangement and one seminar hall used for curricular activities. All the six class rooms are with ICT based teaching facilities.

There are six laboratories, well equipped with instruments, glassware and chemicals. The laboratories used for the course based practicals .There is separate computer laboratory, recently installed English language laboratory, tissue culture laboratory, Soil-water analysis laboratory. Computer laboratory is used for the preparation of study materials like PPTs, animations and notes as a Media or recording centre. Similarly, students and staffs are allowed to access the internet facility free of charge in the computer laboratory. The college has central and departmental library which provides books, journals and extra reading materials those are helpful for learning process.

There are 19 regular staff members in the teaching faculty besides 04 employees of the non-Teaching staff. Presently Dr.N.S Mali is working as a Principal of the College. The college has separate administrative office, principal cabin as well as NAAC room, NSS room, Physical Director's room, examination cell.

The college has Muktangan, separate canteen, boys' and girls' hostel, ladies room, separate urinals and toilet blocks for boys and girls, play ground, gymkhana, health care centre and parking.

File Description	Document
Any additional information	View Document

4.1.2 The institution has adequate facilities for sports, games (indoor, outdoor),gymnasium, yoga centre etc., and cultural activities

Response:

The institute has its own adequate facilities for the sport and cultural activities. There is 6 acres play ground (with 400 meter running track) of for the outdoor games like- Cricket, Football, Volley ball, Kabaddi, Kho-Kho, Basket Ball and Athletics- Running, Jumping and Throwing events. For the indoor games like -Chess, Carom, Table Tennis and Yoga, separate Indoor Stadium is under construction having the area 2284 sq.m. The physical director and instructor have been appointed for the sports activities. The different gymnasium equipments like Best tread mill, dipping bars, Peck-deck machine, smith machine, lat pull down machine, Dumbbells (1-60 lb), hammer strength, incline bench, decline bench, power squat, leg curl press, Abs bench, bicycle, chin ups, Shoulder press machine,, cardio, cables and pulleys are made

available by the institute. A swimming tank is under construction in the campus. Due to all these facilities, students represented this college in university, interuniversity, zonal and national level sport events and got the prizes also.

Yoga for students & staff are arranged on the lawn and Mukhtangan. For the meditation, recreation hall is used. Facilities for extracurricular activities like - quiz, debits, group discussion are made available in the form of seminar hall and Mukhtangan. Primary aid health services are made available on the campus for all the students including concerned staff members. The play ground and Mukhtangan platform have been available since the establishment of the college The college has organized university level “Youth Festival” twice successfully which reflects the support for cultural activities. The rate of using sports and cultural facilities is maximum.

File Description	Document
Any additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 7

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 29.23

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
24.60	20.23	8.44	8.04	8.52

File Description	Document
Details of budget allocation, excluding salary during the last five years	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

The institution campus has central library with valuable collection of books. The central library has provision of separate reading room which is open for staff & students. There are 7 computers in the library with internet facility. The staff members and students are allowed to use this ICT facility maximum. The reference books and text books are there in the library along with journals, magazine, periodicals, past question papers and news papers, all these are arranged separately. Separate competitive exam / MPSC guidance and books are made available in forum. The library books have accession number and are categorized according to book name, author name, publisher name and year of publication. The separate issue and return registers are maintain by librarian regularly. The news and new information are displayed on the library notice board. For physically challenged students librarian provides personal support and reserved seats. During the examination period, library is kept open up to 8:00pm. Similarly suggestion box and safe drinking water facilities are available in the library.

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Response:

The library has maximum good collection of rare books. There are about 17 different types of rare books in addition to reference books published by Bharat Sarkar, Public affairs section of the embassy of the United states of America, New Delhi India, Maharashtra Vidhan Mandal Sachivalaya, Mumbai, Government of Gujrat, M.F.K.V. Rahuri Vidhyapit, Indian Society of Agronomy, New Delhi, Yellow Pages, Shivaji Nagar, Pune, Vanijya Avaim Udyag Mantralaya, Vanijya Vibhag, Bharat Sarkar, Lok Sabha Secretarial, New Delhi etc. There are about 26 different special reports available in the library under the title of Lok Udyog Sarvekashan Khand-3 2004-2005, Public Enterprise Survey 2004-2005 Vol- 1, Varshik ahwal report (2006-07), Maharashtraatil Sansanad Sadyasayananchi Baitak, 98th Indian Science Congress 2011, Bharat Sarkar Chya Kalyankari Yojana, Samanya Mansani Fayada Ghyva etc. A copy of rare books and special reports is displayed on the library notice board. Some student and staff members refer these books for general information and for competitive examination.

4.2.3 Does the institution have the following:

- 1.e-journals
- 2.e-ShodhSindhu

3.Shodhganga Membership**4.e-books****5.Databases****A. Any 4 of the above****B. Any 3 of the above****C. Any 2 of the above****D. Any 1 of the above****Response:** B. Any 3 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc.	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)**Response:** 0.53

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
2.39	0	0.16	0.03	0.05

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document

4.2.5 Availability of remote access to e-resources of the library**Response:** No

File Description	Document
Details of remote access to e-resources of the library	View Document

4.2.6 Percentage per day usage of library by teachers and students

Response: 17.24

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 30

File Description	Document
Details of library usage by teachers and students	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The Institute has leased line connection of 6 Mbps capacities from Airtel. This line connection network is utilized in computer Lab, language lab, Account office, Principal cabin, HOD cabin, Laboratories, store room, Library, sports room, seminar hall, Hostel in the campus. All computers are run window -7 applications & having invertors' facility, battery switch board and voltage supplier to maintain a fluctuation in voltage. The antiviruses are updated time to time in all computers which are having internet facility. The certain sites are restricted for all users and the record of data used is maintained. Computer lab, Account office, Principal cabin and office etc have printing facilities for student & staff members. Similarly USB connectors, CDs, Pen drives, audio visual aids are also provided when required for student.

4.3.2 Student - Computer ratio

Response: 6.2

File Description	Document
Student - Computer ratio	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)

>=50 MBPS

35-50 MBPS

20-35 MBPS

5-20 MBPS

Response: 5-20 MBPS

File Description	Document
Details of available bandwidth of internet connection in the Institution	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response: No

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Response: 100

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
92.33	79.68	60.70	54.72	13.00

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

There are established system & procedures for maintaining & utilizing physical, academic, & support facilities – laboratories, library, sports, computers, classrooms etc. The college has separate committee for maintenance and repairs. The monthly budget requirement of college under the various heads like Laboratory, library, sports, computer, language lab, classrooms, NSS, cultural, etc. is prepared by the college and submitted to Management for the sanction. The sanctioned amount is utilized for the purchase of chemicals, equipments, books, sports equipments, computers, etc. At least three quotations are invited

from the vendors, and a comparative chart is prepared and it is submitted to secretary. The sanction amount is utilized for the purchase of books, chemical, equipments etc. Monthly report of the laboratory is invited regarding the status of chemicals and equipment etc. The equipments which are not working properly or also having problems are repaired by the experts. Whereas out dated chemicals are disposed safely. The separate log book is maintained for the equipment in laboratory.

The librarian invites the requirement of books from the concerned teachers and the books are purchased with the prior permission of institute. The purchased books are catalogued with the accession number. The damaged books are either weeded or sent for binding. For the sports equipments, demands are invited from the physical director for indoor and outdoor games for the fulfillment with the permission of the institute. The gyms and sports equipments are properly maintained by the maintenance committee. The requirement of computers in the laboratories, library, Principal cabin, HOD cabin, language lab etc is fulfilled by the Principal with the prior permission of the institute. The out dated and useless e-waste is disposed. The institution has maintained separate complaint book in which the complaints are registered. According to nature of complaint, the new commodities/items are purchased and utilized. Similarly for the academic facilities, the demands are invited from the HOD/class teachers with respect to class room, laboratories, library, sports, computer, classroom (furniture, electric supply) etc. and the demand is fulfilled by the Principal.

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response: 40.15

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
65	68	62	45	10

File Description

Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Document

[View Document](#)

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 45.56

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
90	108	71	55	0

File Description

Number of students benefited by scholarships and freeships besides government schemes in last 5 years

Document

[View Document](#)

5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations
2. Career counselling

3. Soft skill development
4. Remedial coaching
5. Language lab
6. Bridge courses
7. Yoga and meditation
8. Personal Counselling

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

Response: E. 3 or less of the above

5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 28.38

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
39	29	33	24	18

File Description

Document

Number of students benefited by guidance for competitive examinations and career counselling during the last five years

[View Document](#)

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

Response: 0

5.1.5.1 Number of students attending VET year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
00	00	0	00	00

File Description	Document
Details of the students benefitted by VET	View Document

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

Response: Yes

File Description	Document
Details of student grievances including sexual harassment and ragging cases	View Document

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 52.79

5.2.1.1 Number of outgoing students placed year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
3	10	1	9	16

File Description	Document
Details of student placement during the last five years	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Response: 6.98

5.2.2.1 Number of outgoing students progressing to higher education

Response: 03

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education	View Document

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)**Response:** 1.51

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
01	0	00	00	01

5.2.3.2 Number of students who have appeared for the exams year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
39	29	33	24	20

File Description	Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document

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) during the last five years.****Response:** 0

5.3.1.1 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-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
00	00	00	00	0

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

The college has student council which has constituted as per the guidelines given by the Solapur University and Maharashtra Public University Act 2016 under section 40. The formation of student council is as under mentioned:

1) Chairman- Principal, 2) Teacher's Nominee, 3) NSS Officer, 4) Director of Physical Education, 5) One students representative of the entire course and all divisions according to merit, 6) One student representative from NSS, 7) One student representative from cultural activity, 8) One student representative from sports activity and 9) Two ladies students nominated by the Principal.

Among the members of students council, one member is elected as a Secretary of the students council and her/his name is forwarded to the university as a college representative. The Secretary of the college student council is also considered as a member of university student council. The academic council is functional throughout the academic year. The members of the student's council are involved in arranging various academic and administrative activities in the college.

The members of student council and other students take more or less active participation in the academic and administrative bodies of the college as per the needs as well as the rules and regulations of the university. Various activities performed by the students are as follows:

Activities of student council:

- The student council shoulders many responsibilities as it is the connecting link between the college administration and students.
- The council conveys the demands to the authorities and suggests changes in some matters.
- The members take active participation in Youth festival, sports days, celebration of anniversaries and national festivals.
- The most important role of students is that they work as volunteers in conferences, sports events, discipline committee and other functions.

The student's representatives work in various academic and administrative bodies of the college such as IQAC, College Magazine Committee, Library Association, Anti Ragging Cell, Women Cell, NSS, Sexual harassment Committee, University representative, Physical Education Committee and Campus Ministry have student representatives.

Role of Student Representatives:

- To conduct competitions in Inter-collegiate meets
- Conduct Quiz Competitions on current affairs
- To arrange programmes in NSS Special Camps
- To arrange Environmental Study trip
- To give guidance to the students about enrollment in voting list
- To conduct awareness program about various social issues.

Participation in such activities resulted in the upliftment of the students in terms of responsibilities, time-management, work culture, community work, social commitment, vision, behavior and discipline, leadership, morality, representation, their rights, national values etc.

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

Response: 1

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
01	01	01	01	01

File Description	Document
Number of sports and cultural activities / competitions organised per year	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

The college has recently registered Alumni Association having the members and secretary for the development of college with respect to financial and nonfinancial means. As the association is newly registered, the financial assistance generated through the alumni will be significant by promoting the alumni in nearest future and some of them have promised also. The college has decided to utilize the amount generated through the alumni association for the development of the students by providing the better support facilities.

Though the association is recently registered, the nonfinancial contribution of the alumni is significantly considerable since the last five years. During the alumni meet once a year or randomly, the

positive suggestions given by the members are always considered by the college.

The highlights of the alumni meet are: Alumni help the enhancement of the college quality; alumni participate in almost all the major events of the Institute, Leisure place creation and departmental co-curricular activities organization have been aided by alumni association.

The alumni come and share their experiences with the existing students about career options, educational opportunities and general guidance. Some of our Alumni are invited as guest lecturers to conduct the sessions. The alumni also are helping the Institution by giving Industry contacts for Internships, Placement and Industrial visits. The activities of the Association have been good in the context of academic relevance of the institution. Sometimes discussions on curricular, co-curricular & extra-curricular activities have also been organized.

5.4.2 Alumni contribution during the last five years(INR in Lakhs)

? 5 Lakhs

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

1 Lakh - 3 Lakhs

Response: <1 Lakh

File Description	Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 0

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
00	00	00	00	00

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years.	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

Response:

The governance of the college is smoothly functioning with the spirit of vision and mission of the institute. As per the jurisdiction and authority, the decisions are taken at the level of Governing Body as well as the Principal and Head of the Departments. The institution is working for demands and expectations of local youth of this region by making policies and programmes. In policy making, the views of the teaching faculties are considered by the college administration through resolutions as well as pros and cons. The directors of the governing body guide on the system development and implementation for the effective curriculum of the college through regular meetings. Under the surveillance of the Principal, HODs and faculties are harmonizing co-curricular and extra-curricular activities following the academic and teaching plan. Keeping in mind, the vision and mission the institute has started B. Sc. Entrepreneurship course, plant tissue culture laboratory, plant nursery, soil-water testing laboratory, vermicomposting etc. for the overall development of the students and catering the needs of society. Thus, the governance of institute reflects its effective leadership which is in the tune with the vision and mission of the institution. The two types of strategies are mainly implemented like academic and financial; the academic matters are settled at the Principal level whereas the financial and perspective plans are matured by the governing body in the meetings conducted by considering the suggestions of teaching faculties.

6.1.2 The institution practices decentralization and participative management

Response:

It is possible to monitor the overall improvement of the institute for the President through the decentralization of authorities. The institute provides handiness with the top management; hence the Principal, faculty members and non-teaching staff work together for the implementation of the quality work. At the college level, the decisions taken by the Principal are conveyed to the President for the finalization. While taking the decisions, the views of the faculties, non-teaching staff and students are considered. Every staff has particular responsibility along with teaching. They have rights to take decision. Monthly meetings are being arranged with management. Various subjects were discussed in general body meeting and special resolutions were passed.

Example: In the academic year 2013-14, the college had taken the decision to host the “Youth Festival” of Solapur University, Solapur. For the effective organization of the same, the Principal had conducted number of meetings with university experts, faculty members and non-teaching of the host college. Prior to the meetings, successive planning was determined and accordingly different committees were formed like invitation, communication, registration, inauguration, refreshment, accommodation, stage, discipline, certificate committee etc. for the different cultural events. Each committee was formed by the faculty members, non-teaching staff and student volunteers with the permission of the Principal. The cultural events were conducted for three days. For the said festival, Solapur University had given the financial assistance as well as the host institute also shared the part of expenditure. As per the schedule of Solapur

University, the Youth festival had been conducted successfully.

File Description	Document
Any additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

Perspective/Strategic Plan:

- To start the PG courses in Biotechnology, Entrepreneurship and degree course in Commerce.
- Digitalization of library, Enrichment of laboratories.
- To construct more class rooms and laboratories in response to increasing number of students and departments.
- To run the programs like social plantation through NSS activities.
- To apply for 12 (B) UGC recognition.
- To introduce more skill oriented short term courses.
- To carry out the survey of biodiversity and green audit.
- To develop the separate Botanical garden.
- To organize seminars and workshops.
- To arrange guest lecture of resource persons.
- To invite external industrial experts for training and interaction with the students to inculcate Entrepreneurship.
- To host the university level cultural, sports and or research activities.

Success in Planning:

Most of the said activities are successfully carried out according to the strategic plan and remaining to be performed.

Example:

It was decided to host the university level 'Avishkar' research festival in this college during the academic year 2015-16 by the Principal with the support of the institute. It is the pride and strength of our college, that University had trusted and approved to host 'Avishkar festival' second time on the same campus. For the successful organization, the Principal had conducted the meetings and formed different committees for conducting poster and oral presentation, registration, invitation, publication, stage, transport, accommodation, catering, certificate, inaugural and valedictory functions and eventually, the said festival was successfully organized.

File Description	Document
Any additional information	View Document

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

Lokmangal Science and Entrepreneurship College, Wadala is run by the Governing body of 'Shriram Gramin Sanshodhan Va Vikas Pratishtan, Wadala' along with other colleges and school in the campus. Each unit has separate administrative setup working under the vigilance of the President, Vice-President and Secretary. The college has various bodies/committees having assigned the certain functions with respect to curricular, co-curricular and extracurricular activities etc. The institute has made code of conduct for recruitment process, service rules, promotions and Grievance Redressal mechanism. Management decisions are delegated from top to bottom which has been briefed below as per hierarchical manner: **President**- Budget, Provisions and Strategic Planning, **Vice-President**- Approval of Financial Matters, **Secretary**- Implementation and Surveillance of Strategic planning, **Principal**- Administration and fulfillment of Strategic planning.

Following are the various bodies/committees/Authorities assigned with their functions: **Recruitment Committee**- President, Vice-President, Secretary and Principal- Scrutiny/Appointments of faculty and non-teaching staff, **IQAC Committee**- System development for Quality improvement, **HODs**- Curricular Planning and implementation, **Faculty**- Teaching, learning and evaluation, **Self Appraisal Committee**- Quality assessment and Promotions, **Grievance Redressal**- Resolving problems of Stakeholders, **Internal Compliant Committee**- Resolving problems of Women, **Anti-Raging Committee**- Prevention of exploitation, **BC Cell and Scholarship Committee**- Empowering Backward class, **Finance and Development Committee**- Generating funds and utilization, **Library Committee**- Development of knowledge recourses, **Examination Committee**- Conducting exams, **NSS Program Officer**- Conducting social activities, **Avishkar, Coordinator**- Conducting research activities, **Sport Committee**- Conducting sport activities, **Cultural Committee**- Conducting cultural activities, **Discipline Committee**- Maintaining Discipline, **Safety Committee**- Maintenance of safety and piece etc., **Academic Council**- Students participation, **Alumni Committee**- Suggestions and contributions in development, **Accountant**- Auditing Financial matter, **Senior Clerk**- Maintenance of records, **Junior Clerk**- Correspondence, **Laboratory Assistant**- Supporting lab work, **Library Assistant**- Supporting to the Librarian, **Laboratory Attendant**- Cleaning and maintenance of lab, **Peon**- Following orders of higher authorities.

File Description	Document
Any additional information	View Document

6.2.3 Implementation of e-governance in areas of operation

1.Planning and Development

- 2. Administration
- 3. Finance and Accounts
- 4. Student Admission and Support
- 5. Examination

A. All 5 of the above

B. Any 4 of the above

C. Any 3 of the above

D. Any 2 of the above

Response: B. Any 4 of the above

File Description	Document
Screen shots of user interfaces	View Document
Details of implementation of e-governance in areas of operation Planning and Development, Administration etc	View Document
Any additional information	View Document

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

The college has constituted the different committee namely admission committee, grievance and redressal committee, internal complaint committee, discipline committee, self appraisal committee, library committee, anti raging committee, tour committee, IQAC committee etc. The management considers the resolutions passed by the various committees for smooth functioning and development of the college. The functioning of IQAC is one of the examples.

Example: As per the minutes of IQAC meeting dated 22/07/2017, the Cell suggested to conduct a national/state level workshop/seminar/conference in upcoming months. Accordingly, College Principal, decided to conduct two days state level workshop in association with Department of Ayurveda, Yoga, and Naturopathy, Unani, Siddha and Homeopathy (AYUSH). For the smooth conduction of workshop, the Principal called a common meeting of teaching and non teaching staff members on 21/08/2017 to discuss the planning and execution of two days workshop. During the meeting hours, Principal and HODs formed various required committees for smooth conduction of workshop. Again on 24/08/2017, the Principal called a staff meeting for the distribution of work and responsibilities of respective committees. After that, two meetings were conducted by the Principal on 31/08/2017 & 04/09/2017 to take an overview of assigned works. For the conduction of workshop Organizing secretary, Organizer, Convener, Coordinator, Chief guests etc. were confirmed during the meeting hours. The dates of workshop were fixed as 8th and 9th September, 2017. The brochure and invitation cards were prepared for the distribution and invite

students, faculties, researchers, resource persons and guests etc. Following committees were formed: Invitation committee, Communication committee, Registration committee, Welcome committee, Inauguration committee, Session conducting committee, Guest refreshment committee, Catering committee, Accommodation committee, Travel committee, Stage committee, Felicitation committee, Workshop kit committee, Discipline committee, Advertising committee, Certificate committee, Audio-Visual committee, Concluding committee, Souvenir committee, Cleaning committee, Account committee, Electricity committee etc. The Workshop was successfully held on the scheduled date and time. The response for the workshop from the students and faculties from our college and outside was very good.

File Description	Document
Any additional information	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

The Institution supports and co-operates the teaching and non teaching staff with monetary and non monetary measures. Every employee of institution is by default becomes the member of “Lokmangal Karmchari Patsansta” and avails the monetary measures. It is one of the subsidiaries of “Lokmangal Group”, which provides the loan facilities with minimum interest to its member. Various types of loans for teaching and non-teaching members are made available through the schemes as Personal loan, Festival loan, Housing Loan, Vehicle loan, Gold security loan, Educational loan, Loan on fixed deposit etc. Advanced payment is granted to staff and faculty to meet emergency situation expenses. The institute provides non-monetary measures to the staff members by making some provisions like: Staff Tour-, for which the institute provides free lodging, boarding and traveling facilities for teaching and non-teaching staff generally every year. “Lokmangal Karmchari Patsantha” arranges pilgrim visit every year for the parents of staff members annually. One day tour facility is also made available to the workers. Health Check-up of Teaching and non-teaching staff is made through the ‘Jivak Hospital’ yearly. Institute also makes contribution to Group Insurance. Quarters are provided for staff in college campus at very low rent. Employee’s Provident Fund also provided to the employee of institute. Travelling facility is provided by institution with low charges.

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 0

6.3.2.1 Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
00	0	00	00	00

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc. during the last five years	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 1

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	1	1

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Response: 1.54

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	1	0	0

File Description	Document
Details of teachers attending professional development programs during the last five years	View Document
Any additional information	View Document

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

The college has formed the Self Appraisal Committee for the assessment of performance of teaching staff. The annual performance of the faculty is assessed through the Academic Performance (teaching, learning and evaluation), Research achievements, Professional Development, Involvement in various Committees, extension activities and Feedback from the Students. As per the UGC guidelines, the university has designed academic performance indicator (API) to evaluate the faculty members. Each staff member prepares Self-Appraisal Report annually, submits to IQAC through the HOD and finalized by the Principal for management consideration and increment. The Head of Institute (HOI) scrutinizes the feedback and self-appraisal of the faculty. The performance of faculty is found satisfactory then he or she continued in service. The performance of the non-teaching staff assessed through the self appraisal form. The non teaching is accessed through sincerity, honesty, working capability and record safeguarding along with devotion towards institution. After the evaluation, the results are communicated with the institute through the principal and if performance is found satisfactory then only the non teaching is continued in his or her service. Generally in the annual meeting or term end meeting, the Principal gives suggestions to the teaching and non-teaching staff for improvement.

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The institute does the internal and external financial audit regularly for maintaining the transparency in the financial matter. The institution invites the annual budget from the college under different heads of expenditure. Internal audit of institute is carried out by auditors' team of "Lokmangal Group" quarterly, which evaluates whether the financial management and internal control systems are transparent and comply with the rules of legality, regularity, efficiency and economy are followed or not. Internal audit reviews the entity's activities and services, primarily to improve them. An error found during the internal audit is rectified by the concerned department immediately. The Internal Auditor report is submitted to the Secretary of the institution by the chief accountant. External audit of institution is carried out by the registered/approved Chartered Accountant (CA) at the end of every financial year. The last audit of the Institution was done at end of the financial year 2016-17. The remarks in the internal and external audit reports are always followed to bring the systematic mobilization and utilization of funds. As this institute is the non-government organization and working as per the Society Act, 1860 and 1950, the annual audit reports are submitted to the Honorable Charity Commissioner every year.

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)**Response:** 0

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources**Response:**

The Lokmangal Science and Entrepreneurship College is permanently Non-Grantable or unaided college and is run by Non-Government Organization (NGO) - "Shriram Gramin Sanshodhan Va Vikas Pratishtan, Wadala". The students are admitted to B.Sc. Entrepreneurship and Biotechnology, the expenditure required for running the said courses is credited to the college account by the institute under "Vidyadan Scheme". Generally, the expenditures required for maintenance, development, furniture, purchase of books and laboratory requirements etc. have been borne by the institute in addition to the tuition fees. The other sources of income are in the form of interest on deposits, research grant from the University for organizing Avishkar research festival, cultural grant for organizing Youth Festival, sport grant for organizing sport's inter college/zonal matches and NSS funds for organization of social activities. The grants from sister institutes like Lokmangal Biotech Pvt. Ltd., Lokmangal Co-operative Bank and Lokmangal Products Pvt. Ltd. are obtained for the various project work of final year students under the supervision of principal investigator of the college.

The college having many expert staffs in various fields of life science, chemical science, environmental science and commerce field etc. Thus, the staff members are involved in various institutional projects like Effluent Treatment Plant, Solar System, Vermicomposting, development of botanical gardens, green audit of campus, Tissue culture lab, Green house shade, Floriculture unit, Bio-gas plant, Rain water harvesting, fishery etc. Other than these, there are other degree/diploma colleges of institute in the same campus where the student and staff members share their labs, chemicals, instruments, infrastructure and books. The staff and students of Industrial Training Institute (ITI) of the institute, always help in technical matter like electricity and machinery repair and maintenance. The library, ground, gymnasium, seminar hall, generator, instrumentation lab, language lab, computer lab, transport facility etc. are shared by the students and staff members of all colleges. The annual function, sport week, prize distribution, national festivals, anniversaries etc. are collectively organized or celebrated at the institutional level.

6.5 Internal Quality Assurance System**6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the**

quality assurance strategies and processes**Response:**

The college has formed Internal Quality Assurance Cell (IQAC) for the enhancement of quality education. The IQAC is always aware to take initiative and punctual to follow the specific action plan for quality assurance. IQAC has developed strategies to contribute in the empowerment of the institution. Output of IQAC initiatives has brought remarkable changes in the academic performance. The IQAC suggested to invite the monthly report from each related to curricular, extra curricular and co curricular activities. Following are the two best examples of best practices of IQAC initiatives:

1. The monthly report is invited from each teacher by the principal. A common monthly report is prepared and submitted to the secretary. The monthly report comprises the students details, staff details, assigned activities, planned activities in the current month, task assigned to staff and its status, administrative work, -status, scholarship outstanding library status, laboratory status, sports activities, college website updates, news paper exposure and demand list... Implementation of this decision was very significant because the institute could evaluate the teacher by considering the teaching plan, academic performance by inviting students' feedback, extracurricular and co-curricular activities. The implementation of this strategy helped the teacher to complete the syllabus within time. The monthly reports are taken in to consideration for the increment of the faculties.
2. The IQAC suggested developing a botanical garden in the campus with medicinal plants. The medicinal plants have several medicinal properties in the form of photochemical. This strategy has resulted in offering the projects for the final year students to carry out the studies on medicinal plants of the campus. Secondly the garden has added the ornamental values to the campus and has increased the interest of the students in the plants and campus flora. Because of the implementation of this strategy, the students can know the common names, scientific names and economical importance of certain plants.

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms**Response:**

The IQAC has significantly broadened the teaching and learning practice of the college. IQAC decided to take the reviews regarding the teaching-learning process, its structure and methodologies used. It also verifies the learning outcomes periodically through student feedback, self appraisal, internal examination, result analysis and departmental meetings. The IQAC strategy regarding the teaching-learning process has resulted following outcomes:

1. IQAC found that Good communication skills are indispensable for the success of any professional. Therefore IQAC suggested establishing a language laboratory in the college for the students; those are weaker in communication skills. The language laboratory plays an important role in the language learning process and development of communication skills. Separate faculty, time-table and laboratory are made available for this facility. With the use of language laboratory, students have developed writing, reading and speaking abilities in English language.
2. With the suggestion of IQAC, the college has purchased and installed ICT enabled teaching and

learning aids. The ICT based teaching aids like computer, LCD projector, LCD screen, Screen pointer, loudspeaker, mike, camera and android mobiles are made available for the preparation of study material just like the media laboratory for using the Pedagogy based teaching-learning process. With the use of ICT based teaching aids, the teaching and learning process has become more effective, understandable and interactive learning experience.

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 0.8

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
4	0	0	0	0

File Description

Document

Number of quality initiatives by IQAC per year for promoting quality culture

[View Document](#)

6.5.4 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements
2. Academic Administrative Audit (AAA) and initiation of follow up action
3. Participation in NIRF
4. ISO Certification
5. NBA or any other quality audit

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: E. None of the above

File Description	Document
Details of Quality assurance initiatives of the institution	View Document

6.5.5 Incremental improvements made during the preceding five years (*in case of first cycle*) Post accreditation quality initiatives (*second and subsequent cycles*)

Response:

The IQAC suggested appointing the regular Principal for the college where the post was vacant for the last couple of years. Accordingly the institute appointed the qualified regular Principal as per the norms of UGC. The Principal is the administrative head and he submitted the 12 (B) proposals to the UGC for the approval. The Principal also recruited the qualified faculties for various subjects as per the norms of University and Govt. of Maharashtra. Two days state level workshop was organized successfully by the college under the guidance of the Principal. Internal Compliant Committee, anti-raging committee and discipline committee have been established for safety of the students and staff in the college.

IQAC has initiated Quality enhancement initiatives over the last few years. Skill oriented courses like certificate course in Plant Tissue Culture, conducted in the college other than regular courses. College promotes entrepreneurship students to develop entrepreneur skill by involving in various activities like running a shop in college campus, arranging food stalls in college festivals etc.

Language laboratory has been established with 19+1 computers where Spoken English Program is conducted using licensed 'Orell' software. The ICT enabled teaching and learning aids are purchased, installed and being used. Internet connectivity is extended to all the Computers in the Departments as well and in some laboratories for easy access of information related to the respective subject. Wherever required, the independent Scanner cum Printers are installed with the latest Computer configuration for fast and easy operations of the various departments. Solar panels are installed on the terrace of the College hostels. Pure and Clean water dispensing machines are installed at the convenient locations in the premises.

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 4

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	0	1

File Description

Document

List of gender equity promotion programs organized by the institution

[View Document](#)

7.1.2

1. Institution shows gender sensitivity in providing facilities such as:

1. Safety and Security
2. Counselling
3. Common Room

Response:

Internal Complaint Committee for Women (ICC):

This college has established ICC for solving different problems of gender sensitization in the college. The college has practiced zero tolerance against discrimination and sexual harassment. For the prevention of Sexual Harassment of Women (Prevention, Harassment a

nd Redressal), the college has established, the ICC committee as per the Act 2013 which provides protection against discrimination and sexual harassment of women at the workplace. An act of sexual harassment is a punishable offence and for the prevention and redressal of complaints of sexual harassment and for matters connected therewith or incidental there to, the Internal Complaints Committee has been constituted in our college. The Complaints Committee will be responsible for the redressal of complaints made by the female student and employees and ensures time-bound treatment of the complaints.

Internal Complaint Committee comes handy at certain kind of circumstances.

- Special lecture related to health issues for girls
- Lectures are conducted to define the code of conduct to girls by faculties.
- Ladies faculties counsel girl students on various personal issues.
- Internal Complaint Committee conducts activities and events to sensitize students about gender equity.
- The institution humbly submits that to date no case has been reported of Sexual Harassment, Physical Abuse or Eve Teasing on or off the premises against our learners.
- The premises are under the close watch of CCTV and movements are watched carefully by the staff.
- A separate room for girls is provided.
- The college campus has a robust security system with multiple checks at entry points for all persons and vehicles.
- Students wear ID cards at all times and outsiders are checked by security staff before allotting visitor IDs.
- Female faculty members ensure that all girl students reached the hostel or their home after late night events like Annual Day.
- Female faculty and girl students are regularly counseled on safety and security.

The college supports the career progression and development of female professional and academic staff. It provides women with opportunities to grow in leadership capabilities for building professional skills and participate in important administrative roles in the college.

7.1.3 Alternate Energy initiatives such as:

1. Percentage of annual power requirement of the Institution met by the renewable energy sources

Response: 0.06

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

Response: 0.018

7.1.3.2 Total annual power requirement (in KWH)

Response: 30

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 30

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 3

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 10

File Description

Document

Details of lighting power requirements met through LED bulbs

[View Document](#)

7.1.5 Waste Management steps including:

- **Solid waste management**
- **Liquid waste management**
- **E-waste management**

Response:

Solid Waste management:

Solid waste generated through the mess, canteen, garden and agriculture waste is collected in dust bins and gathered periodically by vehicle. Campus waste is disposed in an eco-friendly manner avoiding pollution. Wet and biodegradable waste is used for vermicompost project. Vermicompost is used as a fertilizer for the plants in the campus. The kitchen waste is also used for the biogas plant.

Liquid Waste management:

The liquid waste generated through the hostels and mess is channelized to ETP through pipes where it is purified using Grit removal? Aeration tank? Clarifier? Anaerobic digester? Sand filter? Activated carbon filter and H₂O₂ dosing. Purified water is used for irrigation of garden plants.

E-Waste management:

The electronic equipments are repaired and reused as per the need, this helps to reduce the e-waste upto some extent. The refilling of printer toner cartridges is outsourced enabling their reuse. All stakeholders encouraged to use online data storage applications rather than using CDs/DVDs/Pen drives. Disabled computers, printers and other electronics are separated for e-waste scrap vending. The institute makes audit of PC's, electronic instruments after expiry and enable proper disposal of e-waste. College takes maximum efforts to minimize e-waste material generation and recycling it.

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

Rooftop rain water harvesting- The rain water from the roof tops is harvested through the pipe; it is transferred for recharging bore well. The rain water collected is filtered using mesh to remove floating material and other waste. Before recharging the bore well, the water is passed through bricks masonry filled with pebble, gravel and sand. The bore water is used in the washrooms and for watering the plants in the campus and garden.

Open space rain water harvesting- The Institute has implemented concept of rain water harvesting through constructing check tank in the huge campus. The stored rain water is used for irrigating plantations in campus as well as for orchards (Mango, Ber, Tamarind, and Amla). Dug wells are recharged during rainy season by constructing small bunds and channelizing the water to the well.

Percolation through recharge trenches-Trenches are excavated outside the campus and left for filling rain water. This facilitates percolation of water and thereby increases the ground water level.

Construction of reservoirs (Artificial lake)-The institution has constructed three lakes in college premises for the rain water harvesting at three different locations of storage capacity 1crore liters, 2.5 crore liters, and 3 crore liters.

7.1.7 Green Practices

- **Students, staff using**
 - a) **Bicycles**
 - b) **Public Transport**
 - c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Response:

Plantation: The NSS students and staff members of the college are inspired by the college principal for plantation in the college campus like at Lake Site, lord, library, ITI etc.

Biodiversity Walk: The Biodiversity Walk is organized for the students and staff members by the college during the monsoon and post monsoon periods. The students are inspired to have the photographs of plants and animal species.

Plastic free campus: The plastic containers which are bio un-degradable generated by the cafeteria in the form of cups, bags, empty pouches etc. are collected and dumped in pits by the NSS volunteers as well as students. Frequently this process is repeated and the campus is made plastic free.

Landscape gardening: The landscape gardens are developed in the campus with ornamental plants like

herbs, shrubs and trees. Some shade trees are also planted along the road side as well as near the buildings. This helps to develop green cover in the campus.

Transportation: Majority of our students and staff are inspired to use bicycle to reduce the pollution and protect the environment. The student and staff members use pedestrian friendly roads approaching to the library, play ground and hostels.

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 6.35

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
11.26	2.63	0.33	1.61	1.66

File Description

Document

Details of expenditure on green initiatives and waste management during the last five years

[View Document](#)

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: C. At least 4 of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 5

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	0	1	1	2

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	View Document

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 4

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
01	01	00	00	02

File Description	Document
Details of initiatives taken to engage with local community during the last five years	View Document

7.1.12

Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Response: Yes	
7.1.13 Display of core values in the institution and on its website	
Response: Yes	
File Description	Document
Provide URL of website that displays core values	View Document

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations	
Response: Yes	
File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document

7.1.15 The institution offers a course on Human Values and professional ethics	
Response: No	
7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions	
Response: Yes	
File Description	Document
Provide URL of supporting documents to prove institution functions as per professional code	View Document

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years	
Response: 01	
File Description	Document
List of activities conducted for promotion of universal values	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian
--

personalities**Response:**

The Institution has committed to nation building through the student support of the college. In this regards, there is celebration of national festivals like Independence Day (15th Aug.), Republic day (26th Jan.) and Maharashtra day (Employ day/ 1st May). Celebration of these festivals cultivates nationality, truthiness, dedication, nonviolence, cooperation and humanity. Celebration of national festivals has the prime importance. In addition to these, the celebration of birth as well as death anniversaries of Freedom fighters and Indian great heroes like Swami Vivekananda, Chatrapati Shivaji Maharaj, Swatantraveer Sawarkar, Savitribai Phule, Mahatma Gandhi, Mahatma Phule, Chartapati Shahu Maharaj, Lalbahadur Shashtri, Lokmanya Tilak, Subhashchandra Bose, Dr. Babasaheb Ambedkar, Rajmata Jijau, Pandit Jawaharlal Neharu, Lokshahir Annabhau Sathe etc are arranged. Swami Vivekananda Jayanti is celebrated in this college as a youth day by arranging the debates, elocution competition and Yuvachetana rally. The celebration of Marathi Language Gaurav Din, Universal Women's Day, Shahid Divas, Mahakavi Kalidas Din, University foundation Day, Literacy Day, Hindi Din, Gurunanak Birth Anniversary, Words Aids Day and Worlds Soil Day etc. are also arranged.

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions**Response:**

Financial transparency-The students are admitted to different classes in the beginning of the academic year and fee receipt is given to them with the details. Sometimes students pay their fees by RTGS or DD. Students are also allowed to pay their fees in suitable installments. The receipt of the breakage or fine charged is also provided to them. The scholarship details of the reserved candidates are displayed on the notice board. Thus the financial transparency is maintained.

Academic transparency- The students are admitted to the various classes on the basis of merit and as per the rules of Government of Maharashtra and Solapur University Solapur. Before the admission process, the pamphlets and brochures are prepared and distributed among the students for counseling with the details regarding the subjects offered, fees structure and facilities available in the campus. Separate Admission committee carries out the process of admission. The students who are economically poor are admitted to Vidyadan scheme.

Administrative transparency-Academic administration is a branch of college employees responsible for the maintenance and supervision of the institution and separate from the faculty or academics, although some personnel may have joint responsibilities. Admissions Supervision of academic affairs such as, inviting guests for seminars promotion of teachers, tenure, and evaluation of faculty after the feedback received from students. Maintenance of official records/registrars of the college related to the staff and students. Maintenance and audit of financial flows and records; Maintenance and construction of campus buildings (Maintenance of the campus grounds and garden)Safety and security of students and property on the campus by appointing security guards (24x7)Supervision and support of campus computers, and network (information technology).To maintain effective relations with faculty, students, and community, and other educational institutions and to interpret college policies and programs accurately and

constructively. The budgets are invited from the college monthly under various Heads by the secretary for finalization with the approval of president of institute and the same is allowed to utilize for the said puposes.

Auxiliary functions- For the smooth functioning of the college and institute, the faculties, principal, secretary, gather and take decision of the issues related to the students, institute, discipline in the campus, to the sports and any other activities. The principal calls meeting of the faculties whenever required and the problems related to the curriculum, exams etc are discussed and communicated with secretary of the institute. The institute has established a central discipline committee which also assists in maintaining the auxiliary functions.

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

1. Best Practice-I

1. Title: Biodiversity Audit of the campus

2. Objective-List out the flora and fauna with their scientific names from the campus.

Biodiversity documentation of college campus was carried out through participation of students. The students were instructed to survey the plants from the campus according to their local name during the rainy season, had the photographs of flowering plants of PC size. After that the students were suggested to give the scientific names to the plants and then categorized them as herb, shrub, trees, xerophytes, succulents, hedge plants etc. Similarly the students were also suggested to record the most common insects, birds and animals occurring in the campus with their common name and scientific names.

After listing, the plants were categorized in to herb, shrub and trees. The herbs were further classified in to annuals biennials and perennials. The shrubs were classified in to foliage and flowering shrub, the large trees were as flowering and foliage trees. The large trees were again classified in to shade trees, road side trees. The name plates of large trees were prepared with the scientific name of plants and the name plates were fixed to the trees. The plants in the garden were also categorized in to hedge plants, edge plants.

Botanical gardens are maintained in the campus such as garden of medicinal plants, formed garden in the campus with hedges. The hedges are trimmed regularly. There are some medicinal plants which are not found in Solapur district.

B) Best Practice II:

Format for Presentation of Best Practices

1. Title of the Practice

This title should capture the keywords that describe the practice.

Industrial Exposure and Guest Lectures

1. Objectives of the Practice

What are the objectives / intended outcomes of this “best practice” and what are the underlying principles or concepts of this practice (in about 100 words)?

- Students are exposed to Industrial environment to get acquainted with the industrial techniques.
- Students get opportunities to work with supervisory staff, Industrial workers and to understand their habits, attitudes and approaches to problem solving.
- Students got familiarized with Design, Manufacturing, Testing and Analysis, Automation, Purchase procedures and Requirements, Materials, Machines, Processes, Products, etc.
- Students could understand and find the solutions to the problems that were encountered when the size and scale of operations was increased in industry.
- Students got opportunity to apply the Technical Knowledge acquired through academic studies in problem solving.

File Description	Document
Any additional information	View Document

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

Soil and Water Testing Laboratory:

Vision: "To provide scientific basis to the farmer for enhancing and sustaining productivity of soil resource with minimal environmental degradation and also sustaining higher crop productivity and better soil health through basic research and technological interventions” with following objectives-

- v To carry out basic and strategic research on soils especially physical and chemical processes related to management of nutrients and water.
- v To develop advanced technology for sustainable systems of input management in soils which are efficient and least environmental polluting.
- v To develop expertise and backstop other organizations engaged in research on agriculture and soil environmental concerns.
- v To exchange information with experts engaged in similar pursuits through group discussions.

- v To collaborate with State Agricultural Universities, National, International Research Organizations in the fulfillment of the above objectives.
- v To develop database repository of information on soils in relation to quality and productivity.

Priority

To accomplish the vision of the Lokmangal Science and Entrepreneurship College, Wadala – it gives the highest priority to soil health issues faced by farmers is based on “Farmers' First”. It would concentrate on the following key areas.

- v The institution has static lab and mobile soil testing van to find out soil health. For this the labs are functioning from the year 2015 to till the date and about **42895 soil samples** have been analyzed from Solapur and Osmanabad region.
- v To find out the impaired soil quality due to the deterioration of soil physical and chemical conditions, low organic matter and increased level of some nutrient deficiencies were the main factors lowering the productivity of major crops.
- v To find out the carbon appropriations in the context of sustainable management of land and soil resources.
- v To suggest the importance of organic farming in certain areas for selected crops.
- v Improving applied nutrient and water use efficiency in different production systems.
- v Needs to have a supposed understanding about the cause and effect relationship in soil and food contamination with heavy metals and pesticides to suggest explanatory options.

Laboratory Goals

1. Enhancing nutrient use efficiency
2. Enhancing water use efficiency
3. Enhancing and sustaining soil and produce quality
4. Climate change and carbon sequestration
5. Minimizing soil pollution

Thrust area of Laboratory:

As per the soil testing report farmers were recommend to utilize efficient organic wastes and indigenous minerals. Farmers were suggested to use optimum fortified fertilizers to avoid the formation of barren land/farms. Efficient laboratory facilities should be utilized for multidisciplinary research and national as

well as international collaboration for conditioning the soil health significantly. For maintaining the soil biodiversity and ecosystem, the excess use of chemicals/xenobiotics as fertilizers and pesticides should be avoided. These sustainable practices would work for bioremediation and phytoremediation to avoid soil and water pollution efficiently.

NAAC

5. CONCLUSION

Additional Information :

The institute has very large campus in which various curricular, co-curricular as well as extracurricular activities are carried out. The institution has received especial grant for the construction of Indoor stadium which will be very useful for the students of present and future generation. The institute is going to start the production of bio-control agents which will be useful for the farmers of this area. The laboratory work is under construction for the same. The leaf tissue analysis laboratory will be established in this campus by the institute. The installation of radio station is on the way of completion. The institute runs YCMOU, Centre for offering B.A. course. The institute is also going to start very soon, the P.G. courses in Biotechnology and Entrepreneurship, commerce faculty and Pharmacy College etc.

Concluding Remarks :

The curriculum designed by the University for the Different Courses is effectively implemented by the institute with the help of faculties providing various facilities. The concern faculties prepare their own teaching plan and complete the syllabus within time. The internal exams, home assignments are given to the students. The internal evaluation is carried out and report is sent to the university. Some faculty members are involved in research work, have publishes research papers and articles as well as published books also. Many extension activities are performed by the NSS unit. The college has excellent infrastructure like ICT based class room, language lab, well equipped laboratories and the very good learning resource in the form of library. The college students are provided with RO drinking water facility, separate hostel for boys and girls, college canteen, play ground etc. Separate MPSC forum is also run by the institute. The overall development of student is the foresight of the institute. The institute follows the principle of transference and participative management. There are various committees formed by the college to run the diverse activities effectively in which the faculties and students are also involved. The institution safeguards the economically poor students by providing “Vidyadan” Scheme. The college has carried out green audit of the college. Effluent Treatment plant, Bio-gas plant, lakes for rain harvesting and solar systems have been established in the college campus. This college runs the degree course in entrepreneurship under the faculty of science which is unique in Maharashtra.