



NAAC Accredited-2015
'B' Grade (CGPA 2.62)

SOLAPUR UNIVERSITY, SOLAPUR

Annual Quality Assurance Report
for the Academic Year 2016-17
(AQAR 2016-17)

Submitted to



National Assessment and Accreditation Council
(NAAC)

P. O. Box No. 1075, Nagarbhavi,
Bangalore - 560072

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The Annual Quality Assurance Report (AQAR) of the IQAC

Academic Year for July 1, 2016 to June 30, 2017

Part – A

1. Details of the Institution

1.1	Name of the Institution	Solapur University, Solapur
1.2	Address Line 1	Solapur Pune National Highway,
	Address Line 2	Kegaon,Solapur-413 255 (Maharashtra)
	City/Town	Solapur
	State	Maharashtra
	Pin Code	413 255
	Institution e-mail address	bcudnaaciqac@sus.ac.in
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	Tel. No. with STD Code:	0217-2744770
	Mobile:	91-7774043981
	Name of the IQAC Co-ordinator	Prof. (Dr.) P. Prabhakar
	Mobile	91-9422370524
	Name of the IQAC Director	Prof. (Dr.) S. S. Suryavanshi
	Mobile:	91-9422337645
IQAC e-mail address	bcudnaaciqac@sus.ac.in	
1.3	NAAC Track ID (For ex. MHC0GN 18879)	MHUNGN11268

1.4	NAAC Executive Committee No. Date: (For Example EC/32/A&A/143 dated 3-5-2004. This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)	EC(SC-10)/DO/2015/7.1 dtd. 16/11/2015
1.5	Website address:	http://su.digitaluniversity.ac
	Web-link of the AQAR:	http://su.digitaluniversity.ac/WebFiles/MHUNGN11268SecondAQAR2016-17.pdf

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B	2.62	2015	2020

1.7 Date of Establishment of IQAC:

DD/MM/YYYY

22/02/2013

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

2016-17

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

i. AQAR 2015-16 Submitted to NAAC on 15-11-2016

1.10 Institutional Status

University

State

Central

Deemed

Private

Affiliated College

Yes

No

Constituent College

Yes

No

Autonomous College of UGC

Yes

No

Regulatory Agency approved institution
(eg. AICTE, BCI, MCI, PCI, NCI)

Yes

No

Type of Institution : Co-education Men Women
 Urban Rural Tribal

Financial Status : Grant-in-aid UGC 2 (f) UGC 12B
 Grant-in-aid + Self Financing Totally Self-financing

1.11 Type of Faculty / Programme:

Arts Science Commerce Law
 PEI (Phys. Edu) TEI (Edu) Engineering Health Science
 Management
 Others (Specify)

1.12 Name of the Affiliating University (*for the Colleges*):

1.13 Special status conferred by Central/ State Government: **2(f) and 12(B)**

UGC/CSIR/DST/DBT/ICMR etc. -

Autonomy by State/Central Govt. / University

University with Potential for Excellence UGC-CPE

DST Star Scheme UGC-CE

UGC-Special Assistance Programme DST-FIST

UGC-Innovative PG programmes (Any other Specify)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="07"/>		
2.2 No. of Administrative/Technical staff	<input type="text" value="05"/>		
2.3 No. of students	<input type="text" value="Nil"/>		
2.4 No. of Management representatives	<input type="text" value="Nil"/>		
2.5 No. of Alumni	<input type="text" value="01"/>		
2.6 No. of any other stakeholder and Community representatives	<input type="text" value="01"/>		
2.7 No. of Employers/ Industrialists	<input type="text" value="02"/>		
2.8 No. of other External Experts	<input type="text" value="Nil"/>		
2.9 Total No. of members	<input type="text" value="16"/>		
2.10 No. of IQAC meetings held-	<input type="text" value="02"/>		
2.11 No. of meetings with various stakeholders : No	<input type="text" value="34"/>	Faculty	<input type="text" value="03"/>
Non- Teaching Staff Students	<input type="text" value="03"/>	AC+MC+Senate	<input type="text" value="23"/>
Alumni	<input type="text" value="00"/>	Others	<input type="text" value="-"/>

2.12 Has IQAC received any funding from UGC during the year?

Yes No

If yes, mention the amount

Sanctioned-Rs. 5, 00,000/-
Received Rs. 4, 50,000/-

2.13 Seminars and Conferences (only quality related)

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

Total No. International National State

Institution Level

(ii) Themes

1] INDIAN PATENTING & FILLING PROCEDURES at National level
2] CHOICE BASED CREDIT SYSTEM at Institutional Level

2.14 Significant activities and contributions made by IQAC.

- Recommended for conducting Seminars / Workshops and Training Programmes
- Increased Infrastructure of the Library.
- Increased in Computer facilities to students and teachers.
- Recommended CBCS from CGPA evaluation pattern.
- Recommended and introduced subject and open electives in 2nd and 3rd semesters.
- Proposed adoption of villages through NSS for overall development.
- Recommended disposing the e-waste through authorised Government Agent.
- Recommended health and hygiene day as “Swacch Bharat Abhiyaan” on Wednesday @ 2 hrs/ week.
- Analysis of feedback from students for improving teaching standards.
- Encourage research activities through university development grants to newly appointed teachers.
- Conduct induction training to students, non-teaching staff and teaching staff at the beginning of academic year.
- Involve industry- university interaction cell for curriculum and developmental activities of the University.

2.15 Plan of Action by IQAC/Outcome: The plan of action chalked out by the IQAC at the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements/ Out come
Syllabi to be revised and restructured as required for the CBCS.	At present University has implemented CBCS for its programmes on the campus. CBCS consist of Hard Core, Soft Core and Open Electives as cafeteria approach for the students on the campus. There are about 74 Soft Core and 68 Open Electives imparted to the students in P.G. programmes on the campus.
Establishment of Language Laboratories for the students	Language Laboratory is established and benefits the college and university students in general and mass media and communication in specific.
Teaching Learning Aids	Recently University has purchased 16 of smart class and other pedagogies for enhancement of teaching and learning activities in the University.
Organisation of Skill Development programmes for Students/ Teacher/ Non-Teaching Staff on the campus.	All student/s, teacher/s and Non-Teaching Staff of the university are benefited through training programmes conducted in collaboration with Google apps etc.
Disposal of E-waste through state policy	Disposal of E-waste has been completed in compliance of the Maharashtra State Policy. The E-waste is disposed through an authorised disposal agent.
Encourage research engagement for teaching staff and students.	<ul style="list-style-type: none"> • Departmental Research Fellowships has raised twice been doubled. • Institutionalized seed money for young faculty for innovative research. • Travel Grants for International/ National/ State and Regional Seminar/s, Symposia/s, Workshop/s and Conference/s etc. for students and teachers.
Tap the financial assistance from the funding agencies of State/ Central regulatory bodies.	University has submitted exhaustive proposal of ₹ 20 Cr. to RUSA. University has received financial assistance to the tune of ₹. 5 Cr.

Tap the financial assistance from the RUSA under Innovative Research Scheme	University had submitted five research proposals after scrutiny. The SPD-RUSA has selected one research project and sanctioned funding of ₹.15 lakhs under innovative research scheme of RUSA.
Construction of VVIP guest house to have eminent personalities on the campus.	Construction is completed. The furnishing work is near completion.
Upgrading the present guest house facilities.	Additional 08 AC are fixed in the guest house.
Village adoption for overall development through NSS	07 villages are adopted.
Campus networking through NME-ICT facilities- Wi-Fi and Cabling of Optic Fibre on the campus	Completed
Green and Clean Campus	Every Wednesday staff and students devote 2 hours for the purpose.
Green Buildings	Most of the buildings are well illuminated, LED bulbs are used, and solar street lights illuminate the campus.
Day care centre	Day care centre is established and university has appointed a coordinator for day to day functioning of the centre.
Increase in computers to each school to enhance ratio of students: computers.	Additionally, 314 computers are procured to have increase facility for the students.
Increase in library infrastructure in the form of e-Book/e-Journals.	44,000 e- journals and 494 e-books are added to the existing facilities during the assessment period.

2.16 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

Report has been accepted, approved and permission granted for reporting the same to NAAC.

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
Ph.D.	15	-	-	-
PG	18	-	-	-
UG	-	-	-	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate (Skill Development Centre)	37	-	-	-
Others	03	-	-	-
Total	73	-	-	-

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

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

Sr. No.	Name of the Course		Hard Core	Soft Core	Practical	Open Elective
1.	Faculty of Sciences					
1.	M.Sc. Polymer Chemistry	Part-I	05	04	02	11
		Part-II	05	04	02	09
2.	M.Sc. Organic Chemistry	Part-I	05	04	02	11
		Part-II	05	04	02	06
3.	M.Sc. Industrial Chemistry	Part-I	05	04	02	11
		Part-II	05	04	02	09
4.	M.Sc. Physics Applied Electronics	Part-I	05	04	02	11
		Part-II	05	04	02	06

5.	M.Sc. Physics Material Sciences	Part-I	05	04	02	11
		Part-II	05	05	02	06
6.	M.Sc. Electronic Science	Part-I	05	04	02	11
		Part-II	05	04	02	06
7.	M.Sc. Applied Geology	Part-I	05	04	02	11
		Part-II	05	04	02	11
8.	M.Sc. Geo-informatics	Part-I	05	04	02	11
		Part-II	05	04	02	11
9.	M.Sc. Environmental Science	Part-I	05	04	02	11
		Part-II	05	04	02	11
10.	M.Sc. Mathematics	Part-I	07	04	02	05
		Part-II	07	05	02	05
11.	M.Sc. Statistics	Part-I	07	04	02	05
		Part-II	07	05	02	05
12.	M.Sc. Computer Science	Part-I	05	04	02	09
		Part-II	05	05	02	09
13.	M.C.A	Part-I	07	04	02	09
		Part-II	07	05	02	09
		Part-III	To be Implemented from 2018-19			
2.	Faculty of Commerce					
14.	M. Com.	Part-I	05	04	02	04
		Part-II	05	04	02	04
3.	Faculty of Social Science					
15.	M.A. History & Archaeology	Part-I	05	04	02	04
		Part-II	05	04	02	04
16.	M.A. Rural Development	Part-I	05	04	02	04
		Part-II	05	04	02	04
17.	M.A. Economics	Part-I	05	04	02	04
		Part-II	05	04	02	04
18.	M.A. Mass Communication	Part-I	05	04	02	04
		Part-II	05	04	02	04

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	18 (PG)
Trimester	-
Annual	18 M.Phil. & Ph.D.

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

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

**Please provide an analysis of the feedback in the Annexure*

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

In general, Solapur University encourages the PG department to update their syllabi after every three years. The emphasis of the university in reviewing and upgrading the syllabi serves the purpose of the students towards employability. The University had in the last three years restructured the CBCS pattern twice to herald flexibility in teaching-learning pattern by way of introducing Open Elective paper which are trans-discipline and trans-faculty.

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

Planned to establish School of Languages including PG courses M.A. in Marathi, English and Hindi to be introduced from academic year 2017-18.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
27	15	05	07	--

2.2 No. of permanent faculty with Ph.D.:

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
15	03	05	04	07	03	--	--	27	10

2.4 No. of Guest, Visiting faculty and Temporary faculty:

2.5 Faculty participation in conferences and symposia:

Faculty	International level	National level	State level
Attended	26	20	06
Presented	36	31	04
Resource Persons	11	06	04

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

16 Classrooms are enriched with the smart classroom equipment's containing smart board, digital podium, and presenter and LCD projectors. One virtual classroom is established which help the teacher to deliver lecture and talks to the remotely located students. Some teachers also use Google Apps for Education and IT tools to effectively communicate with the students.

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

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

As this University is State University u/s 8 of Maharashtra Public University Act. 2016 directed by the State Government and JBVC meetings from time to time and recommendations of the examinations reforms committee (ERC) headed by Shri Rajesh Agarwal Committee has been implemented in- toto. The details of the same are as below:

	(ERC) Recommendations	Action Plan for Implementation
1	Effective end –to-end use of ICT for Reforms in Examinations: ICT should be effectively used for management of examinations system. The end –to-end integrated examination management system can manage the entire operation of examinations in Universities. The solution may be end –to-end from one service providers implementing various modules.	From application of admission to convocation, all modules are available in e-Suvidha, Specifically for examinations, based on admissions and eligibility data, examination forms are provided in student's login as well as in college login. Students are able to apply for exam from his own login, and all post exam processing is also done through e-Suvidha framework at Solapur University.
2	Online student registration for examinations to issuance of hall ticket: Every University should implement online student registration for examinations from academic year 2013-14 and conduct few pilots for online issuance of hall ticket by half of 2013. The university may decide the service providers from among the following options: (i) In-house Development (ii) MKCL's e-Suvidha application (iii) Tendering (iv) Smaller universities may approach Largers Universities.	Already it is available in e-Suvidha. Student can apply to multiple courses and colleges using a single login. After seeking admission and examination application they are able to download hall ticket.
3	Question Bank/Question Paper Bank Creation: Question Bank approach or Question Paper Bank Approach should be adopted by Universities for setting and selection of universities examination papers.	As per Management Council resolution No.14 (2) held on 19/08/2014, University has decided to implement the Conduction of online Examinations. For this university is going to prepare a question bank. We have planned to prepare question paper bank. For promptly implementation of this the Committee is constituted as per letter No.1340 dtd. 06/11/2015 by Exam Section. A randomized method will be used to select the question paper. However, As per the recommendations 27 of ERC, there is need to modify clause 32 (5e) of the Maharashtra University Act to allow Question Bank System or Question Paper Bank System. Workshops for preparation of Question Bank are organized by University.

		<p>Engineering First year syllabus is due for revision from 2016-2017. Syllabus template and question paper format for all the subjects are finalized.</p> <p>The new revised syllabus will support question bank system</p> <p>As per previously mentioned, for creation of question bank system a committee is constituted as per letter No.1340 dated 06/11/2015 by Exam Section.</p> <p>Internal office Note is given to BOS Section for creation of question bank for environment studies and first year engineering (computer programming) is completed.</p>
4	<p>Secure Delivery of Examination Papers: Each university should implement this system on pilot/experimental basis for exams conducted in first half of 2013. Following this, by 2014 it should become a matter of practice. In this solution, the Question paper once randomly selected/generated from the bank is encrypted and transmitted over secure channel to the examination centre, it is decrypted with the key/ Password and printed.</p>	<p>Successfully Secure Delivery of Examination Paper is carried out for the following faculties from the Oct. 2014, May 2015 and Oct 2015 and March 2016 event.</p> <p>Engineering Faculty- (FE,SE, TE and BE), B. Arch (First year to Fifth year), M.C.A.(Engg.)</p> <p>Pharmacy Faculty- B. Pharm (First year to fourth year) and M. Pharm (First and Second year)</p> <p>Commerce Faculty –M.C.A.(First year to Second year)</p> <p>Education Faculty – B.Ed., B.P.Ed., M.Ed., and M.P.Ed.</p> <p>For the Engg. Faculty 4 sets of objective question papers are sent online.</p> <p>We have successfully delivered 968 Question papers online for May 2016 Examinations with watermark technology having name of centre on each question papers.</p> <p>We have planned to send the online question paper delivery through DEPDS for the PG Courses under Faculty of Science and Environment Science Paper at UG level for all Faculties.</p>
5	<p>OMR and Barcode Technology in cover page of answer sheets: By first half of 2013, all universities should use OMR (Optical Mark Recognition) and barcode technology in cover page of answer booklets of University Examinations on pilot/experimental basis.</p>	<p>OMR/Barcode answer book is used for the following faculties from the Oct. 2014 event.</p> <p>Engineering Faculty- (FE, SE, TE and BE), B. Arch. (First year to Fifth year), M.C.A. (Engg.)</p> <p>Pharmacy Faculty- B. Pharm. (First year to fourth year) and M. Pharm. (First and Second year)</p> <p>Commerce Faculty –M.C.A.(First year to third year), M.B.A. (First year to third year)</p> <p>For the courses F.E, S.E. T.E. and B.E. and first year to fifth year of Architecture Barcode Technology is used for scanning of answer books & mark list.</p> <p>The University is using novel technology in which dummy numbers on answer books are printed while scanning. Also the OMR/ICR mark list of</p>

		20 code numbers is generated to fill the marks from the examiner and this mark list is scanned by the scanner. This technology is used the first time in our University, which reduces the manpower, time and achieve more accuracy and confidentiality.
6	Barcode in each page of the answer booklets: Some universities may implement this solution on pilot basis in professional courses. Following this, the government may collate the data on pilot implementation and decide on further action depending on result of the pilot studies.	For the Oct 2014 examinations, this recommendation is implemented for the front page of answer books for the above mentioned faculties and implement the barcode on each page from May 2015 examinations.
7	Digital Scanning and Onscreen evaluation: On Pilot basis, each university shall conduct Digital Scanning and Onscreen evaluation of answer sheets in few courses/examinations. After one year, the universities and state government may collate the experience gained and take a call on whether to further expand the usage of this solution.	On the pilot basis for March/April 2016 examination, we have implemented on screen evaluation of answer sheets for the SLR-91029 Human Resource Management (M.B.A.) course. And SLR PM 37 Artificial Technology (elective) for MCA. This recommendation will be implemented from March 2017 exam for Faculty of Engineering Course. For the said purpose, University has published E-tender for online evaluation.
8	Result Processing and Publication: By First half of 2013, each university should mandatory display result online including complete breakup of marks.	Separate result processing software developed by MKCL i.e. ERPS is used for result processing. Through MKCL e-Suvidha project, result of students with complete breakup of marks is available on student's login.
9	Online application for Revaluation: By First half of 2013, each university should enable Online application for revaluation on pilot basis and by 2014, it should be mandatory.	Online application by students for revaluation, photocopy of answer book, duplicate mark sheet, convocation, migration, college transfer, transcripts, ordinance cancellation etc. is the genesis of e-Suvidha.
10	Dematting of Degrees and Certificates: The Committee recommended that from the first half of 2013 some universities should starts on pilot level this work and from 2014, it should be made mandatory. Also the previous data (Mark sheets/Degrees/Ledger Records) from at least 2000-2001 should be digitized.	Online application facility for e-transcript and e-verification of education document is made available to the student. This facility provides online e-transcript with Digital Signature of Controller of Examinations is made available to the students. The students have to upload all scanned copies of mark sheets and based on this e-transcript is issued to the students with digital signature. Solapur University has forge a MoU with CDCL Mumbai for Dematting of Degree Certificate. From 11 th Convocation on wards electronic copy of degree is made available in student login-Degree Certificate with QR/QC code, Tesline Paper, Gold foil, with authentication. Online authentication is made for employer

		purpose.
11	Other Technologies for reducing Malpractices: Technological advancement including tamper evident security tapes that detected any kind of tampering with sealed packages, Digital Locks that transmit signals in case of tampering etc. should be extensively used for reducing malpractices.	Due to secured delivery of Question paper all these aspects are met and avoiding any degree of tampering. Presently question paper packets are properly sealed and all these packets are under the custody of senior supervisor.
12	Data Centre Facilities: In Order to host their IT Solutions, Universities require data centre facilities. The various options for availing data centre facilities are described in the report. Universities may choose the option as per their requirements and constraints.	MKCL manages the very high end Data Centre and cloud technologies for managing e-Suvidha services using Digital University Framework. It has Security Firewalls, Virtualisation Platforms, Load Balancers, Back Up Systems and Disaster Recovery Mechanisms. University has outsourced all the exam related activities to MKCL and it has its own data centre. Beside this University has hired the data centre from private party on rental basis. University has also initiated to process to have shared data centre with Shivaji University, Kolhapur. Beside this Data Centre Facility on hiring basis is completed and work order is issued to the party Ref.No.SUS/Exam/Store/31 Dt.08/01/2016
13	Physical Security Measures: University should implement security measures like bio metric access control, closed-circuit television system (CCTV), Fire Resistant File Compactors etc. In Examination Strong Room, Assessment Centres and Data Centres for protecting confidential data,	University has implemented security measures like biometric access control, closed-circuit television system (CCTV), Fire Resistant File Compactors etc. in Examination Strong Room, Assessment Centres and Data Centres.
14	IT related Capacity Building and Handholding Support: For Successful implementation of any IT solution, capacity building, training and handholding support for all the users is a critical necessity.	MKCL provides testing of software before release on staging servers dedicated for the University. Role based training are given to university employees and college employees through workshops for usage of the e-Suvidha framework. Refresher training is provided to all the staff of the universities. Handholding support: One Coordinator per university is trained in Digital University Framework for smooth delivery of e-Suvidha as provided by MKCL. During handholding period University staff are expected to take over the operations.
15	Decentralized, Customized, Interoperable software rather than centralized solution: The committee is deliberately not suggesting highly	The design of all the functional modules is to enable decentralization of activities. Interoperability of the software for integration with third party software is given on case to case

	centralized uniform and single software across the universities in Maharashtra, so that various universities come up with different solutions suitable for them and innovation and creativity is ensured.	basis. The activities are decentralized. However, data is centralized to achieve appropriate control by university officers.
16	Hardware and Software updating with latest versions: Universities should at the time of procurement, purchase hardware with five years warranty/maintenance support and software with five years software assurance and maintenance support.	MKCL manages the hardware required for Digital University Framework which is upgraded by a dedicated IT Infrastructure management team regularly. Since there is a virtualization of servers, addition and upgrade becomes quickly possible. All updates and upgrades are given regularly so as to match changing nature of requirements. Technical support, maintenance throughout the year is provided through a support mechanism. E –tender for purchasing of new two rack server is initiated.
17	Quality and Cost Based Selection of IT Solutions: Cost Based (L 1 based) Selection should be used only when the IT solution is simple, common and standardized. In case of innovative, complex and pioneering IT solutions, Quality and Cost based Selection should be used.	e-Suvidha fee is collected from students based on the e-Suvidha GR dated June 19, 2006. There is zero cost to university for software to manage the processes. As per common account code university is procuring the IT solutions.
18	Decentralization of Examination Activities: Colleges/Institutes with proven academic record and examination conducting reputation should be allowed to conduct their own examinations for all years. For other institutes, the university should conduct the final year examinations and may consider decentralizing the examination process for pre-final years.	The meeting of BOE held on 15/4/2015 decided that, the proposal for assessment of answer book of FYBA/B.Com/B.Sc at college level as a part of decentralization of examinations activities.
19	Increasing CAP Centres: Universities should develop necessary CAP centres considering number of students and cluster of colleges.	From the examination of March/April 2014 the University has increased the CAP centres for all faculties. Under e-Suvidha scheme - Digital University Framework will support the CAP centres.
20	Ensuring timely declaration of results and strong penal action against staff defaulting in examination related duties.	Universities have successfully declared and currently declaring results within time span as short as 04 days from last day of exams using Digital University Framework. University has lapses committee to deal with the staff defaulting in examination related duties.
21	Stringent evaluation criteria: Due care be taken to ensure that design and revision of various rules for	Uniform policy (1/3 rd) framed by state Government is followed for ATKT criteria. Uniform ordinance is followed by the university

	<p>grace marks and ATKT should not lead to dilution of evaluation of teaching-learning outcome.</p>	<p>for grace mark. After the first assessment of answer book is over the scrutiny and moderation is done as per Uniform Ordinance.</p>
22	<p>Increased emphasis on industrial trainings, practical's and application oriented Projects in evaluation</p>	<p>For the professional faculties, syllabus consist of industrial training, practical's and application oriented projects in evaluation. Evaluation is carried out for all those courses which have industrial training, practical and application oriented projects such as B.Com. B.Sc., MSW, M.Sc., M.C.A., M.Com. Engineering, M.B.A. Architect, Pharmacy etc. Hence, these recommendations are already being implemented by this University.</p>
23	<p>Online Examinations: All universities should implement online examinations for internal examinations or as a part of external examinations on pilot basis in certain courses/examinations.</p>	<p>As per Management Council resolution No.14 (2) held on 19/08/2014, University had decided to implement this recommendations step by step on the pilot basis. For the June 2015- UG/PG entrance examinations were conducted successfully for the first time by the university using OMR answer sheet with four sets of question papers (A/B/C/D) similar to NET/SET/MPSC/UPSC. Scan image of OMR answer sheet and answer keys were made available to the students on website for transparency. Online entrance examination for Ph.D. (Engineering, Law and Pharmacy Faculty) was conducted on 26/07/2015 successfully. The university had conducted online examination for the subject i.e. BECP of Engineering faculty. From the AY 2016-17 university has planned to conduct examinations of environment studies of Engg.</p>
24	<p>Wholesome education by universities through Non-Credit/Certification Courses, Self-Certification, Extra Marks/Credits, MOOC etc.</p>	<p>Through Jan-Vikas Kendra University conducts 37 certification courses like C T scan, health assistant and OTA. The subject like environment studies, PE and NSS /NCC/Extracurricular activities are included as non-credit courses. From the Academic Year 2015-16, 10 additional marks are credited to the Students who have participated in NSS/NCC/Extracurricular activities. UGC sponsored Carrier Oriented Courses- Naturopathy and Cosmetology for Personal Health, Travel and Tourism, Tissue Culture, Water and Soil Testing, Office Management, Nursery Development and Vermi-Compost (Botany) and Course in Music -are running</p>

		<p>successfully in some of the affiliated colleges of the University.</p> <p>Flexibility of Credit System (CBCS) has been implemented for all PG courses from academic year 2015-2016</p> <p>37 Self-supporting short term Certificate Courses (3 Month, 6 Month and 1 year) are run by Janvikas Kendra, in various institutes and affiliated colleges.</p>
25	Online Thesis submission and evaluation for Post Graduate and Doctoral Courses:	<p>The soft copy of thesis is sent to the referees along with the thesis for evaluation.</p> <p>The Provisions of Maharashtra University Act 1994 does not permit online thesis submission and evaluation at this stage. However, the soft copy of thesis is sent to the referees along with thesis, for evaluation.</p>
26	Plagiarism Detection Software: This software checks for potential unoriginal content and instances of plagiarism within a document by comparing submitted papers/assignments to several databases.	<p>The process of MoU with shodhganga-INFLIBNET is completed. The University co-ordinator does the uploading of the thesis on shodhganga. The plagiarism is verified by this section with the help of VIPER Online software.</p> <p>BCUD section is making use of this software extensively.</p>
27	Innovations in Exams like open Book, Take Home etc. : The main focus of teaching should shift from rote learning to the application of knowledge.	<p>From the academic year 2014-15 university has 30 % marks allocated to continues internal evaluation which may include seminar , home assignment and tutorial,</p> <p>In the School of Computational Sciences faculties make use of Google apps for education, for submission and evaluation of internal assignment through online process.</p>
28	Strengthening of Examinations Cell/Division at Universities : Establishment of dedicated examination cell/division in Universities. The Examination cell/division should be headed by COE and/or Director of Evaluation, full time officers etc. The COE and/or Director of Evaluations should be supported by well-equipped and trained permanent staff in sufficient numbers, based on the number of colleges, courses and students. Further, Coordinators representing each faculty in the university should be part of the examination cell/division.	<p>This University has as dedicated examination cell.</p> <p>Proposal is submitted to state government for sanctioning the additional posts of technical and administrative staff as required by standard norms.</p> <p>University has established dedicated computer lab consisting 20 computers for exam related process.</p>

29	<p>Equipping Examination Cells / divisions with appropriate technical manpower: Examination Cell/Division should have a dedicated IT team comprising of Project Manager, System Analysts, Programmers, Data entry operators etc.</p>	<p>The University has appointed manpower on contract basis as per the needs to utilize ICT based technology. The faculty of computational science support the examination section due to meagre manpower.</p>
30	<p>WCAG Compliance of IT Solutions: Every IT solution implemented by the Universities should be compliant to Web Content Accessibility Guidelines (WCAG) 2.0 Level A or the latest version of WCAG as issued from time to time as per the e-governance policy of Government of Maharashtra</p>	<p>MKCL is currently upgrading its content technologies to comply with WCAG. MKCL shall release the new version of website management tool upon complete up gradation. Solapur University is using MKCL developed Digital University Portal, MKCL is informed to make it WCAG compliant.</p>
31	<p>Use of ICT to empower differently abled Students: The committee recommends that technology should be leveraged to self-empower differently abled students enabling them to take examinations independently. Leading Universities including Mumbai University and Pune University should undertake pilot projects on the same. Select ways include: Use of Screen Readers and online examinations, like currently used in international GRE tests may be adopted for giving tests to students who are visually impaired</p>	<p>The Process to purchase the JAWAS software is initiated to empower differently abled students.</p>
32	<p>Accessibility of Examination Centres: Every differently abled person has a right to higher education. Since examination is an important component of education, the universities should ensure that every differently abled student appearing for examinations has adequate, necessary and appropriate support for the purposes of such examinations.</p>	<p>Separate seating arrangement at exam centre, extra time and writer facility is provided to differently abled students. Seating arrangement for differently abled students are arranged in ground floor, ramps are built wherever necessary, ambient conditions are made available for such students during examination by all colleges.</p>

33	<p>Financial Requirements and Modalities of ICT Solutions: The Committee suggests the following for financing the ICT initiatives in Universities in Maharashtra</p> <p>Larger Universities have surplus amount left from examination related revenue that they may utilize for implementing IT initiatives.</p> <p>Smaller Universities may collaborate with Larger Universities and enter into agreement with service providers jointly. Due to large numbers of students of both the universities combined, the cost per student of the IT solution should be reduced.</p> <p>Smaller Universities can share the infrastructure like Data Centre etc. of Larger Universities and use in-house developed software of larger universities.</p>	<p>This university has implemented e-Suvidha project by MKCL. Under this project digital university framework is developed to strengthen the ICT Solutions.</p> <p>Solapur University intent to set helping hand from Shivaji University, Pune University, North Maharashtra University Jalgaon.</p> <p>The revenue generated from examination activities are used for examinations related activities.</p>
34	<p>Sharing of best practices: In the past, universities have been working in solos, with minimal or no interaction or sharing of best practices. Going ahead, all the universities including agricultural universities of Maharashtra should meet at least once every quarter and review the progress on the implementation and share best practices</p>	<p>31 Monthly meetings are conducted at MKCL Pune office. It provides a platform to share their best practices. It resulted into a practically deployable, generic yet configurable Digital University Framework for them. To adopt the best practices from other University, Official Staff of Solapur University has visited Shivaji University Kolhapur, V.T.U.Belagavi and NMU Jalgaon.</p> <p>Also to study the Examination Reforms implemented by Solapur University the representatives of Sant Gadge Baba Amravati University, Amravati &SNDT University, Mumbai, visited our University.</p> <p>Visit to Pune University and process for the tender JAWAS and LEKHAS Software and Instruments disable student.</p>

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

Sr. No.	Name of the School	Total
01	School of Physical Sciences	04
02	School of Chemical Sciences	03
03	School of Earth Sciences	05
04	School of Social Sciences	05
05	School of Computational Sciences	06

2.10 Average percentage of attendance of students

85%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division (in %)				
		Distinction	I	II	III	Pass
M.Sc. Polymer Chemistry	20	30	45	15	--	90
M.Sc. Industrial Chemistry	16	6.2	56.2	37.5	--	99.9
M.Sc. Organic Chemistry	29	31	51.7	17.2	--	99.9
Applied Electronics	21	9.52	23.8	52.38	--	85.7
Electronic Sciences	05	60	00	00	--	60
Material Sciences	20	00	10	35	--	45
M.C.A.	01	87.60	00	00	00	87.60
M.Sc. Computer Science	13	00	69.23	7.69	23.07	99.99
Statistics	22	27.27	22.72	31.81	18.18	99.98
Mathematics	39	00	30.76	46.15	20.51	97.42
Rural Development	08	25	50	25	00	100
Economics	12	00	50	25	25	100
Mass Communication	16	6.25	50	43.75	00	100
History & Archaeology	12	00	50	25	25	100
Applied Geology	13	00	00	00	76.92	76.92
Geo-informatics	15	00	00	00	86.66	86.66
Environmental Science	10	00	00	00	90	90

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

IQAC has recommended the implementation of CBCS pattern in Teaching, Learning and Evaluation. The CBCS pattern offered by the university consists of Hard Core, Soft Core and Open Electives which are interdisciplinary and trans- faculty. Thus, it is a humble step in achieving academic flexibility and horizontal mobility.

The stakeholders of the university conduct and overseas the teaching, learning and evaluation. The committee of teachers monitor seamless implementation to the planned academic calendar. The committee, further, collects the feedback from all the stakeholders of the university. It does the analysis and submits a report to various authorities of the university. The recommendations are assessed for improving the teaching process of the university.

2.13 Initiatives undertaken towards faculty development:

The teachers are sponsored for summer and winter training schools at institutions of national repute and During the assessment period 2015-16, 5 teachers have attended refresher course, 1 teacher has attended HRD programme, 2 teachers have attended orientation courses, 4 teachers attended training conducted by other institution and 5 teachers have attended summer/ winter schools.

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	03
UGC – Faculty Improvement Programme	--
HRD programmes	01
Orientation programmes	02
Faculty exchange programme	--
Staff training conducted by the university	01
Staff training conducted by other institutions	--
Summer / Winter schools, Workshops, etc.	--
Others	--

2.14 Details of Administrative and Technical staff

Category	Number of permanent employees	Number of vacant positions	Number of permanent positions filled during the year	Number of positions filled temporarily
Administrative Staff	128	23	28	92
Technical Staff	53	09	06	31
Total	181	32	34	123

Criterion – III

3. Research, Consultancy and Extension

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

- Seed Money for young faculty of University to start up research activity.
- University encourages faculty member to present their research work in the International Conference by providing financial assistance.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	06	13	03	04
Outlay in Rs. Lakhs	61,39,805/-	2,48,04,817/-	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	02	02	01	02
Outlay in Rs. Lakhs	2,75,000/-	6,50,000/-	00	00

3.4 Details on research publications

	International	National	Others
Peer Review Journals	49	03	02
Non-Peer Review Journals	00	05	02
e-Journals	--	01	--
Conference proceedings	14	07	01

3.53

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2013-2016	DST	2,81,39,522/-	2,69,45,817/-
	2014-2017	BRNS & CSIR		
	2015-2018			
	2014-2017	UGC ICSSIR RUSA		
	2015-2016			
2016-2017				
Minor Projects	2016-17 2017-2020	Solapur University BARTI, PUNE RUSA, DST	6,50,000/-	3,70,000/-
Interdisciplinary Projects	---	---	---	--
Industry sponsored	---	---	---	---
Projects sponsored by the University/ College	---	---	---	---
Students research projects (other than compulsory by the University)				
Any other(Specify)	--	--		--
Total	2013-2020		2,87,89,522/-	2,73,15,817/-

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN no.

3.8 No. of University Departments receiving funds form

UGC- SAP CAS DST-FIST

DEP DBT Scheme / funds

3.9 For colleges Autonomy CPE DBT Star Scheme

INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy Rs.24000/-

3.11 No. of conferences organized by the Institution	Level	International	National	State	University	College
	Number	---	02	01	---	---
	Sponsoring agencies	---	Human Rights Commission NSSTA MSPI, GOI	Solapur University	---	---

3.12 No. of faculty served as experts, chairpersons or resource persons 36

3.13 No. of Collaborations International 01 National 03 Any other 03

3.14 No. of linkages created during this year 05

3.15 Total budget for research for current year in lakhs :

From Funding agency	2,87,89,522/-
From Management of University/ College	2,50,000/-
Total	2,90,39,522/-

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	01
	Granted	00
International	Applied	00
	Granted	00
Commercialised	Applied	00
	Granted	00

3.17 No. of research awards/ recognitions received by faculty and research fellows
Of the institute in the year

Total	International	National	State	University	Dist.	College
03	01	00	00	02	--	--

3.18 No. of faculty from the Institution who are Ph. D. Guides

and students registered under them

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

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

JRF SRF Project Fellows Any other

3.21 No. of students participated in NSS events :

University level State level

National level International level

3.22 No. of students participated in NCC events :

University level State level

National level International

3.23 No. of Awards won in NSS :

University State level

National level International level

3.24 No. of Awards won in NCC :

University level State level

National level International level

3.25 No. of Extension activities organized

University College

NCC NSS Any

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

- NET/SET Lecture Series
- Yoga day on 21th June, 2016 & 2017.
- Plantation on University campus o 1st to 7th July 2017.
- Swachha Bharat Abhiyan.
- Blood donation camp on University foundation day.
- Invited lecturers by Scientists & Eminent Professors.
- Adoption of 07 Villages from Solapur District.
- Campus Placement -05 students got placed in infolgy software development Ltd.
- National Level Paper/ Programming Dexter Innofest-2017 Contest was held with a participation of 223 students from UG and PG courses.
- Seed IT IDOL 2017 contest was held with participation of 4000 students in First round, 325 students in Second round and 10 students in final round of the contest.
- Wild life Week Celebration – Workshop.
- Geological Exhibition.
- Organised workshop on Development Journalism.

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	632 x 215 ft.	-	-	632 x 215ft.
Class rooms	17	-	-	17
Laboratories	32	-	-	32
Seminar Halls	02	-	-	02
No. of important equipment's purchased (\geq 1-0 lakh) during the current year.	14	42	DST Project University Fund DST-SERB Project CSIR Project Innovative Research Activities Scheme Project RUSA Component 3C (Equip.& E. Resources) University development fund RUSA component 3C (Equip. and E. resources UGC XII th 5 year plan Visvesvaraya Ph.D. Scheme for Electronic and IT & University Fund, RUSA University development fund and RUSA	56
Value of the equipment purchased during the year (Rs. in Lakhs)	74,70,765/-	2,22,13,864.35	DST Project University Fund DST-SERB Project CSIR Project Innovative Research Activities Scheme Project RUSA Component 3C (Equip. & E. Resources) University development RUSA component 3C (Equip. and E.resources) UGC XII th 5 year plan	2,96,84,629.35
Others	-	-	-	-

4.2 Computerization of administration and library

The class room is equipped with internet connected to LCD projector and audio-system. This helps in conducting virtual classes ‘Tele-casted through EDU-SAT linking to IIRS,Dehradun.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Physical Sciences	--	--	225	1,87,576/-	225	1,87,576/-
Chemical Sciences	--	--	304	5,77,163/-	304	5,77,163/-
Earth Sciences	--	--	70	3,38,147/-	70	3,38,147/-
Computational Sciences	--	--	410	52,773/-	410	52,773/-
Social Sciences	--	--	80	1,49,088/-	80	1,49,088/-
Commerce & Management	--	--	29	39,310/-	29	39,310/-
Library	--	--	19	4,325/-	19	4,325/-
Text Books	11242	17,88,141/-	1137	18,23,340/-	12379	36,11,481/-
Reference Books	592	91,525/-	--	--	592	91,525/-
e-Books	494	47,50,937/-	89	12,34,748/-	583	59,85,685/-
Journals	135 (109 + 26)	22,31,324/-	116 (90+26)	23,14,304/-	251	45,45,628/-
e-Journals	44,000+	2,52,810/-	--	--	44,000+	2,52,810/-
Digital Database	--	--	--	--	--	--
CD & Video	142	--	--	--	142	--
Others (specify)	--	--	--	--	--	--

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	291	82	Yes	-	-	06	41	19
Added	160	01	Yes	-	-	-	-	-
Total	451	83		-	-	06	41	19

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

- | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none">1. The internet facilities are provided to all the rooms-classes, laboratories, staff cabins etc.2. All Computers in the School are connected to internet.3. Statistical package for the social sciences (SPSS) is provided. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

4.6 Amount spent on maintenance in lakhs :

i)	ICT	23,36,924.52
ii)	Campus infrastructure and facilities	88,70,865.35
iii)	Equipment's	44,24,979
iv)	Others	3,780
	Total :	1,56,36,548.87

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- 1) Orientation course was organised for newly admitted M.Sc. / M.A. Students at respective schools.
- 2) In order to nurture soft skill workshops were organized.

5.2 Efforts made by the institution for tracking the progression

Nil

5.3 a) Total Number of Students

UG	PG	Ph. D.	Others
	722	43	

b) No. of Students outside the state

Nil

c) No. of international students

Nil

Men

No.	%
444	52

Women

No.	%
415	48

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
388	97	3	399	--	887	347	113	2	397	--	859

Demand ratio 1:4

Dropout percent: 10%

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

SET, NET workshop conducted by BCUD Section of Solapur University.

No. of students beneficiaries

500

5.5 No. of students qualified in these examinations

NET	<input type="text" value="07"/>	SET/	<input type="text" value="05"/>	GATE	<input type="text" value="--"/>	CAT	<input type="text" value="--"/>
IAS/IPS	<input type="text" value="--"/>	State	<input type="text" value="--"/>	UPSC	<input type="text" value="--"/>	Others	<input type="text" value="--"/>

5.6 Details of student counselling and career guidance

90% of the pass out students have been accommodated at the R & D, QC, QA and Production department of the various MNC all over India in Chemical Sciences.

No. of students benefitted

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
01	30	05	-

5.8 Details of gender sensitization programmes

Two day National Level workshop on Human rights and Humanizing Societies on 22nd & 23rd Sept 2016 by School of Social Sciences.

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University National International

No. of students participated in cultural events

State/ University National International

5.9.2 No. of medals/ awards won by students in Sports, Games and other events

Sports : State/University level National level International level

Cultural : State/University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	Earn and learn Scheme (20 Students)	Approx. 2000-2500 monthly per student (40 Rs. per hour)
Financial support from government	445	Approx. 41,00,000
Financial support from other sources	i) 4 Research Scholar (Visvesvaraya Ph.D., Scheme of Electronics and IT) ii) 1 research scholar under INSPIRE fellowship by ministry of science and technology	Approx. Rs. 37000/- per student per month. Approx. Rs. 31800/- per month.
Number of students who received International/ National recognitions		

5.11 Student organised / initiatives

Fairs: State/University level National level International level

Exhibition: State/University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

- Increase in Library and Internet facilities.
- Increase of 5 DRF's with additional budgetary outlay of ₹.12 lakhs / year.
- Increase of e-books and Journals with a capital investment of in ₹.75 lakhs.
- Additional Budgetary Provision for Students/Staff Training.
- Empowerment of women through Day Care Centre with capital investment of 10 lakhs and adoption of girls by University for overall expenditure in Higher Education.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision

To become a dynamic knowledge centre that amalgamates high quality teaching and research with a sense of belonging and commitment to the society.

Mission

To create young persons of impeccable quality through a combination of high quality curricula, innovative pedagogy of higher education and cutting edge research to fearlessly face the challenges of the ever changing world scenario and to contribute towards creation of a benevolent and compassionate society.

6.2 Does the Institution has a management Information System

Yes. University has a well-designed MIS in place and one Asst. Professor of Computer Science is in charge of this activity. All the information on MIS of the University and affiliated colleges is maintained and updated to time.

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

6.3.1 Curriculum Development

Syllabus of the courses is updated every three year. Currently Choice Based Credit System (CBCS) is implemented for all the courses.

6.3.2 Teaching and Learning

At the end every semester, student's online feedback is taken about course structure and faculty. The report of this feedback is conveyed to the concerned faculty for further action.

6.3.3 Examination and Evaluation

Examination work is done online as far as possible. The question papers for both theory and practical examinations are sent to exam centres online and are protected with a password, which is very difficult to crack. This password is received by the Senior Supervisor on the day of exam itself just before few minutes of commencement of the exam.

Evaluation process is carried out in a speedy manner of as to declare the result as soon as possible within the stipulated time period. Masking and coding of answer papers is done to maintain confidentiality.

6.3.4 Research and Development

In order to promote the research activity, Department Research Fellowship (DRF) is given to the deserving research scholars of each department in the University campus. To inculcate research temperament among the faculty of the University and the affiliated colleges who have not received any funded projects, the University has sponsored research seed money scheme to encourage such faculty. Also, the University is providing financial assistance to the faculty for invited talk or to present research papers in National and International Conferences in India and abroad. Faculty are motivated to submit research proposals to different funding agencies. The University is actively engaged in purchasing new sophisticated instruments in its Instrumentation Centre for providing analysis facility to the students, faculty and other service seekers.

PG students, research students and faculty members are always encouraged to participate in activities like Avishkar.

6.3.5 Library, ICT and physical infrastructure / instrumentation

The University library has bought new books, e-books and e-journals from RUSA funding. RFID system is introduced in the library. New computers of higher version are purchased for extending the internet facility in the library from RUSA funds.

To have easy access to procure books for students, schools have enriched the departmental libraries.

6.3.6 Human Resource Management

Even though the University is understaffed, appropriate work distribution is done across different cadre of the administrative staff to bring about maximum productivity at work.

6.3.7 Faculty and Staff recruitment

The University always issues advertisements to fill up the vacant faculty/staff positions as per the norms of the Government.

To fulfil extra workload, every year, competent faculty on contract basis are recruited by University for the various schools, through competitive body.

6.3.8 Industry Interaction / Collaboration

The University has established University-Industry Interaction Cell. There are efforts to mobilise Industry Sponsored Research Projects.

6.3.9 Admission of Students

Entrance examination is compulsory for admission in all PG courses. There is eligibility criteria of 40% marks for open category and 5% relaxation for all reserved categories as per the government norms. Admission committees are constituted for each PG course to complete the admission process as per the rules, where in ten percent seats are reserved for other University students.

6.4. Welfare schemes :

Teaching	General and medical Insurance,
Non-teaching	General and medical Insurance, Festival Advance, LTC, Uniform to class IV employees, VC Development Fund
Students	General Insurance, Free Books, Scholarships.

6.5 Total corpus fund generated

6.6 Whether annual financial audit has been done Yes No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes			
Administrative	Yes			

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes No X

For PG Programmes Yes No X

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

University adopted CBCS pattern as examination reforms. Online procedure for Pre-On-Post Examination successfully implemented by the University.

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

Those who have scored a grade in AAA are encouraged and motivated to take autonomy.

6.11 Activities and support from the Alumni Association

The Schools organize Alumni meet at the end of the academic year and generally combine farewell function with the Alumni meet and the response is encouraging. 57 alumni participated in the meet.

6.12 Activities and support from the Parent – Teacher Association

Such meets are held at the end of the academic year. The common issues which are discussed are the; discipline in the campus, regularity in attendance, payment of fee and the career prospects.

6.13 Development programmes for support staff

Workshops and orientation training, lectures from experts, in house and outside. Sports and Yoga activities are encouraged during the current year. Women supportive staff celebrated Women's Day with a great zeal. Gender sensitization programs were organised during the current year.

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

A mass tree plantation programme was conducted on 2nd July in the University campus. There are student volunteers to nurture plants in the campus and every School has a team of such volunteers.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the Functioning of the institution. Give details.

- Purchase of SPSS software under RUSA grants. This software is useful for the Students and research scholars of statistics department in School of Computational Sciences.
- Purchase of 60 user DOT NET software (multi user version) under RUSA grants is utilised / used by students of MCA and M. Sc. (Computer Science) in School of Computational Sciences.
- Purchase of Docoloc anti-plagiarism software for 10,000 pages, 250 users, and 1 year to check plagiarism in the research articles written by students, research scholars and faculty of School of computational sciences.
- Choice Based Credit System
- School of Social Sciences has established 'Centre for Foresight Studies' in collaboration with FFRC, University of Turku, Finland. This centre was inaugurated on 27/10/2016. Dr. Juha Kaskinen, Director FFRC, University of Turku was present as Chief Guest for this function. This centre has decided to start a new course 'Future Sustainable Energy Challenges'.
- University Industry Interaction- workshop.
- Collaborative initiatives / MOU

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

- The UGC has sanctioned Rs.13,000,00/- grants to Solapur University, Solapur for Wi-Fi connectivity under the Centrally Sponsored Plan Scheme of NMEICT in March 2016. The e-tender of the same was published on the website <https://mahatenders.gov.in> on 05-12-2016 and the advertise was published in the newspaper Lokmat dtd. 05-12-2016. then after the approval of technical committee, Finance Committee, Purchase Committee and Management Council, the work order for “Supply and installation of equipment’s required for Wi-Fi Connectivity” was given to Shri Shri Infosystems, Kolhapur. The work was completed in March. 2017.

- 'Centre for Foresight Studies' has started 'Future Sustainable Energy Challenges' course from October-2016. Dr. Juha Kaskinen and other three teachers from Turku University visited Centre for Foresight Studies during 1-8 February, 2017 as visiting faculty members for the course. The Course is implemented through virtual classroom mode using 'Moodle' software.

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

Title of the Practice: Dexter Innofest (National Level Programming and Paper Presentation Competition)

Objectives of the Practice: This is a national level programming and paper presentation competition. This competition is open for all UG and PG students. This competition is divided into two groups i.e. UG group and PG group. The competition will encourage the students to show their programming and paper presentation skill. The paper presentation will help the students to improve their knowledge in the IT field. Also students will come to know about the current research areas in the computer and IT field.

The Context: The competitors are UG (BCA / B.Sc. (ECS/Computer Science)) students. On the occasion of this competition student will visit and come to know about the infrastructure of the school like Computer Lab., Library, University campus along with Boys' and Girls' Hostel.

The Practice: The competition is organized by School of Computational Sciences from last four years (i.e. from 2014). Every year approximately 400 students participate in this competition. The participants are from Solapur, Pandharpur, Solapur, Nanded, Latur, Paranda, Barshi etc.

Evidence of Success: The results of the judges and the news published in the newspaper are enclosed.

- One day workshop was organised in School of Earth Science on “Job Opportunity”.
- Sophisticated instruments like GPR, Digital camera are being purchased for research and practical work. Study of such instrument will help students to learn techniques while them out in search of job.
- With support of RUSA grants three Smart Boards were installed in Class rooms of School of Social Sciences. These Smart Boards are helpful to teachers for multimedia presentations. These Smart Boards are proved helpful for students to understand the subject matter easily. Department of Archaeology has organized a workshop "New Trends in Prehistory" using Smart Board presentations. This workshop was held on 17/02/2017. More than 90 students participated in it.
- Earn and Learn Scheme.
- Student mentoring.

**Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

7.4 Contribution to environmental awareness / protection

- Tree plantation around the premises of Schools and nurturing of plants is done throughout the year. Two Students from earn and learn scheme are deputed to take care of these plants.
- Department of Mass Communication has organized a workshop on 'Environment Journalism on 20/08/2016. More than 100 Journalists and Students participated in it.
- Department of Mass Communication actively participated in 'Kirloskar-Vasundhara International Environmental Film Festival' in Solapur city during August-2016. Environmental Film shows, street plays and many other activities were conducted in this festival.
- E Waste management.

7.5 Whether environmental audit was conducted? Yes No

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

Solapur University, Solapur has organized a special campaign for Voter's awareness programme during Solapur Municipal Corporation and Z.P. election in Solapur District during February, 2017. Video Conferencing, street plays, short films and other activities were undertaken for the campaign. More than 2000 college and University students participated in it.

8. Plans of institution for next year

- University has prepared a perspective plan as per the M. P.U. Act., 2016 for the academic schools on the campus for initiating new programmes and establishment of new departments within the ambit of academics schools/department.

Sr. No.	Name of the proposed departments under faculty of Arts
1.	Department of English
2.	Department of Hindi
3.	Department of Marathi
4.	Department of Sanskrit and Prakrit Language
5.	Department of Kannada
6.	Department of Foreign Language (French, German, Russian, Chinese Japanese)
7.	Department of Urdu
8.	Department of Fine Arts (Music, Drama, Fashion Design & Fine Arts)
Name of the proposed departments under faculty of Commerce & Management	
9.	Department of Commerce
10.	Department of Management
Name of the proposed departments under faculty of Science	
11.	Department of Bio-Technology
12.	Department of Food Science & Nutrition
13.	Department of Zoology
14.	Department of Geography
15.	Department of Botany
16.	Department of Bio Chemistry
17.	Department of Scientific Computing

18.	Department of Bioinformatics
19.	Department of Microbiology
20.	Department of Information Technology
21.	Department of Inorganic Chemistry
22.	Department of Analytical Chemistry
23.	Department of Physical Chemistry
24.	Department of Medicinal Chemistry
25.	Department of Textile Chemistry
26.	Department of Petroleum Geology
27.	Department of Environmental Geology
28.	Department of Nano Science & Nano Technology
29.	Department of Disaster Management
Name of the proposed departments under faculty of Law	
30.	Department of Law
Name of the proposed departments under faculty of Social Sciences	
31.	Department of Economics
32.	Department of History
33.	Department of Library & Information Science
34.	Department of Philosophy
35.	Department of Psychology
36.	Department of Political Science
37.	Department of Women Study & Human Rights
38.	Department of Adult & Continuing Education
39.	Department of Sociology
40.	Department of Human Rights
41.	Department of Tourism
42.	Department of Social Work
Name of the proposed departments under faculty of Engineering & Technology	
43.	Department of Pharmacy
44.	Department of Technology
Name of the proposed departments under faculty of Sports Education	
45.	Department of Sports and Physical Education
Name of the proposed departments under faculty of Education	
46.	Department of Education
Name of the proposed other support services	
47.	Academic Staff College

- Construction of additional Boys Hostel.
- Solapur University proposes to installation of 100 KVA and 200 KVA Solar Power Generation Systems on the campus as supplementary power generation. There by University contributes for the national theme of Renewable Energy Sources.
- Solapur being a drought prone area, installation of waste water treatment plant and rain water harvesting structures are envisaged.
- Construction of Convocation Hall for organization of Convocation Ceremony and other functions.
- Strengthen career guidance cell and placement cell activities.
- Providing work stations for the Administrative staff at par with corporate infrastructure for effective working.
- Organization of International/National/State and regional level Conferences, Workshops, Symposia etc. on innovative and thrust areas of the schools on the campus.
- Instituted 50 gold medals, University DRF fellowships and other faming agencies fellowships for the meritorious students on campus and off campus.
- University received grant of Rs. 6 crore from RUSA under Infrastructure Grants to Universities, the allocation of funds is an under:

1) Equipment's / E-resources:

Sr. No.	Type of Work	Allocation of Funds
1.	Books & Journals	75,00,000/-
2.	Gas Chromatograph Mass Spectrometer	57,00,000/-
3.	BET Surface Area & Pore size Analyzer	39,45,000/-

2) Renovation / up gradation:-

Sr. No.	Type of Work	Allocation of Funds
1.	Fifteen work station at Solapur University	75,00,000/-
2.	Photocopier	1,70,000/-
3.	Water supply line in University	10,00,000/-
4.	Providing & laying of Drainage line work in University Campus	30,00,000/-
5.	Waste water treatment plant in University Campus	50,00,000/-
6.	D Space Institutional Repository Collection of Journals, articles conference papers, reports, theses & dissertation, Teaching Material Research work	12,00,000/-

7.	RFID System for Library	35,00,000/-
8.	Digitization of Library resources	9,20,000/-
9.	Solar Electricity generation for library Building 100 KVA generation (phases)	2,17,00,000/-

Signature of the Coordinator,

IQAC

Signature of the Director,

IQAC

Signature of the Chairperson,

IQAC

11.09.2017