पुण्यश्लोक अहिल्यादेवी होळकर
सोलापूर विद्यापीठ
।। विद्यया संपन्नता ।।
NAAC Accredited-2015
'B' Grade (CGPA 2.62)

PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

"B" Grade Accredited byNAAC with CGPA – 2.62

PROSPECTUS

POST GRADUATE COURSES

2019–2020

Dear Students, I would like to extend my hearty welcome to all you seeking admission to the various Post Graduate Programmes of Punyashlok Ahilyadevi Holkar Solapur University, Solapur.

Every university has a culture that develops with time as university matures. In all diversity, however, there is one common view to aim for academic excellence. With this as a motivating energy, and with the availability of resources, any institution can accomplish the goal of providing the best education, and producing the best graduates, engineers, scientists, artists, scholars and above all the good citizens.

Punyashlok Ahilyadevi Holkar Solapur University is young (Established on 01-08-2004); received 2F and 12B recognition from UGC, New Delhi in 2013; as well as NAAC accreditations with 'B' grade having CGPA 2.62 in 2015; and is developing with commitments to competitive, professional quality & Academic excellence in higher Education and Research-Development in emerging areas. We have talented dedicated faculties & researchers mentoring the younger generation students. They impart application oriented skills at par with International standards, so as to meet the challenges of Global scenario in innovative, professional job oriented courses and get prepared to get advantages of global opportunities available in the 21st century. In order to promote excellence in study and research and to ensure equitable development we encourage and equip the aspiring students to succeed in their studies. The University provides a platform for enhanced research interaction with various research and academic institutions; the faculty and students to get publications in top ranked journals.

I would like to remind that, University can grow if it meets its social obligations. Punyashlok Ahilyadevi Holkar Solapur University is conscious about its social responsibilities. We always plan to have updated new flexible, dynamic and competitive programs / courses under CBCS syllabi. We shall, with the involvement of all the stakeholders, namely students-parents, teaching faculty, Non-teaching staff, College Principals and Managements, authorities of various bodies, Government-State & Central, University Grants Commission, New Delhi; Industries and Chamber of Commerce; and the People of the Society; we shall try best in this endeavor, providing the best physical and infrastructure facilities.

Inquest to quality, Punyashlok Ahilyadevi Holkar Solapur University puts herculean efforts in reaching the unreached rural youth. The University is committed to encourage individuals from socially challenged sections namely, SC, ST, minorities, NT, OBC, EBC, women, physically challenged students, thereby increasing the Gross Enrollment Ratio; alleviate backwardness, and quality in higher education. The University aspire academic integrity, intellectual and critical abilities and to build student competencies so that they become part of the modern industrial society acquiring need based social, scientific and technological education. The University aims for the holistic development of the students with a motto of "Vidyaya Sampannatta". Punyashlok Ahilyadevi Holkar Solapur University has placed it's bet on the education of youth as it is the best possible investment in it's human resource for a society and in turn the nation.

It is my pleasure to welcome you all to Punyashlok Ahilyadevi Holkar Solapur University and invite you to embark on a life time partnership with university.

Prof. Dr. (Smt.) Mrunalini Fadnavis

Vice-Chancellor

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Solapur –The City of Martyrs

In ancient time the Solapur District was ruled by various dynasties such as Andhrabhratyas Chalukayas, Rashtrakutas, Yadavas and Bahamanis. Recent research work, however, shows that the name **SOLAPUR** is derived not from the congregation of sixteen villages, but it is evident from the inscriptions of Shivayogi Shri. Siddheshwar from the time of the Kalchuristi's of Kalyani, that the town was called 'Sonnalge' which came to be pronounced as 'Sonnalagi'. The town was known as Sonnalagi even upto the times of Yadavas. A Sanskrit inscription dated *Shake* 1238, after the downfall of the Yadavas found at Kamati in Mohol shows that the town was called Sonalipur. One of the inscriptions found in Solapur fort shows that the town was called Sonalpur while another inscription on the well in the fort shows that it was known as Sandalpur.

Solapur District is one of the four districts that form the region of Western Maharashtra. It is the fourth largest district in Maharashtra in terms of land area and seventh largest in terms of population. Solapur is a melting pot with a confluence of Marathi, Telugu and Kannada cultures.

The chief deity of the city is *Shri. Siddheshwar*. The "*Nandidwaj*" procession on the day of *Maker Sankranti* is attended by millions of devotees. Pandharpur, one of the holiest places in Maharashtra, known as *Dakshin Kashi* with its "*Vitthal Rukhumai*" temple on the banks of the Chandrabhaga river, is only 70 km from Solapur. Akkalkot, just 38 km from Solapur is a holy place as it was the abode *Shri. Akkalkot Swami Samarth*. Another wellknown pilgrimage centre, Tuljapur is 40 km away.Nannaj, 18 km form Solapur is the habitat of Great Indian Bustard, locally called Maldhok. The world bustard population is just in hundreds and Nannaj boasts around 23 of them.

During the Indian independence movement the people of Solapur enjoyed full freedom on 9th, 10th and 11th May 1930. Freedom Fighters of Solapur hoisted the national flag on Municipal Council Building on 6th Apr. 1930. However, this resulted in the executions of Shri. Mallapa Dhanshetti, Shri. Kurban Hussain, Shri. Jagannath Shinde and Shri. Kisan Sarda, who were hanged to death on 12 January 1931. This resulted in the city being recognized as "The City of Martyrs". As a mark of respect to these freedom fighters their statues have been installed in the heart of the city.

Solapur has been famous for its textile industries. Chaddars made in Solapur have earned fame and reputation for their novel designs and durability. Solapur Chaddars and Towels are famous not only in India but also in other countries.

❖ About University :

The Punyashlok Ahilyadevi Holkar Solapur University is the youngest state University in Maharashtra, established on 1st August 2004. The Formation of the University at Solapur was a long cherished desire of the people of this region and the people of the district have an emotional attachment to the University since its inception.

Earlier, to the formation of University, Solapur had a P. G. Center of Shivaji University, Kolhapur since 1984. The center for P. G. Studies had three postgraduate science departments housed in two buildings and a central Library building on its campus that spread over a total area of 37 acres. Seven postgraduate courses were offered in the P.G. departments.

The Punyashlok Ahilyadevi Holkar Solapur University is located on the outskirt of Solapur about 10 km from the main city, on the national highway, NH-09. The proximity with the national highway provides good connectivity. It is a matter of great pride that the university has made big strides within a short span. Six new buildings for School of Computational Sciences, School of Social Sciences, School of Earth Sciences, girls' hostel with an accommodation facility for 80 girls; boys' hostel with accommodation for 200 boys and university guest house have been completed.

The University is relentless in its efforts in maintaining standards in teaching and research. The University has introduced new courses, and at the same time modified some of the existing courses so as to strike the right balance between the theoretical and applied components in the curriculum. The University is committed to the

all round – academic, sports, cultural – development of students. A number of students have bagged medals at state and national youth festivals and sports events.

University has organized the State level inter University research festival, **"Avishkar"** during 11th Jan. to 13th Jan. 2010 with overwhelming response from all the Universities in the Maharashtra.

❖ NSS:

The University has strong NSS units and has won the Best University for NSS,Best NSS Programme Co-ordinator and Best Student Volunteer State Awardsfrom Government of Maharashtra in Year 2008 – 2009.Students can join the NSS unit during their post graduate studies.

❖ Knowledge Resource Centre (University Library) :

Knowledge Resource Centre is a consistent source of wealth of information and is a prime requisite for any institute of learning and research. The University Library has a collection of over 30,000 volumes that include resources in different forms like books, theses, dissertations, journals, special publications. The University Library subscribes to 78 national and 27 international journals and 105 periodicals in addition to the e-sources J-Gate and Delnet which provide access to over 28,404+ e-journals. There is a spacious reading room with a capacity of 100 students. The reading room is open from 8.00 am to 8.00 pm during examination period. The library also implements the Earn and Learn Scheme under which poor and needy students can work in library on hourly remuneration basis.

❖ Health Centre :

The university has established a Health Centre with main objective to provide basic primary healthcare to students and staff of university. Besides providing health services, various health awareness camps and programmers such as anemia and blood checkup, diabetes and hypertension check-up and bone density check-up are frequently organized by the Health Centre.

❖ University Hostel :

On Campus University has Boys' and Girls' Hostel. The Girls' Hostel is with an accommodation facility for 80 girls and the Boys' Hostel with capacity of 200 boys. The admission to the Hostel is strictly on merit basis and as per reservation rules. The Hostel mess is compulsory. On cancellation of hostel admission only the hostel deposit is refundable.

❖ Eligibility for Admission :

A.R.1.Admission to post graduate courses in the affiliated Colleges / Institutions and University Departments shall be strictly based on

a) Eligibility criteria as prescribed by the University from time to time.
b) Reservation rules as prescribed by the State Government from time to time and adopted by the University.
c) While preparing the merit list for admission the aggregate marks of the final year degree course should be considered.

A.R.2. a) In preparing the merit list of the students to be admitted, the Admission committee shall consider the marks obtained in the principal subject at the third year examination. In case there are two or more students with same marks, the total marks obtained by these students at part-I, II and III Examination shall be considered. Even after this if the student continues to obtain equal marks, the marks secured by the students in the second year examination in the same subject shall be considered.

b) In the case of students from other Universities applying for admission to post-graduate courses it shall be necessary to ensure equivalence of the degree course offered by the said students. The quota for the students from other Universities in the State of Maharashtra will be 10 percent of the intake capacity, and in the case of the students from other Universities the reservation rules shall apply in toto.

In case any seats from this quota remain vacant, students in order of merit shall be admitted from the waiting list.

A.R.3 In view of the problem of drop out, the additional 10 percent of the sanctioned intake capacity may be admitted in the post graduate courses in the Affiliated Colleges/ recognized Institutes/University Departments/Autonomous Institutions, subject to the general rules of the admission framed by the university from time to time and with prior permission of competent University authority.

A.R.4 In case of admission to second and/or third year of the post-graduate courses, preference shall be given to the students of the same department. However, if vacancies remain, other things being equal, students from other post-graduate departments may be admitted.

A.R.5a) In case of admissions to University Departments, there shall be an Admission Committee for proper monitoring of admissions.The Admission Committee shall be constituted as under:

i. Director of the School (Chairperson)
ii. All Professors in the school
Iii.One Senior Associate Professor
iv. One Associate Professor/ Assistant Professor from reserved category
v. One Associate Professor/ Assistant Professor (Secretary)

b) In case of PG courses offered at University Dept. / Affiliated Colleges / Recognized Institutions /Autonomous Institutions the Admission Committee be constituted as under :

i. Director of the School (Chairperson)
ii. All Professors in the school
iii. One Senior Associate Professor
iv. Principal / HOD / Nominee of Concern College
iv. One Associate Professor/ Assistant Professor from reserved category
v. One Senior Associate Professor/ Assistant Professor (Secretary)

c) In case of PG courses offered at Affiliated Colleges / Recognized Institutions / Autonomous Institutions the Admission Committee be constituted as under:

i. Principal / HOD / Nominee of Concern College
ii. University Nominee from reserved category
iii. Assistant Registrar of University PG admission Section (Secretary)

A.R.6 The foreign students shall be admitted to any Post-Graduate Course in a Recognized Institution /Affiliated Colleges /Autonomous Institution or in the University Department in addition to sanctioned seats as per the directives of the UGC / State Government on producing provisional eligibility certificate from the University. For obtaining provisional eligibility certificate, the foreign student shall apply along with necessary certificates to the University in the form prescribed by theUniversity and pay fees as prescribed by the University from time to time.

A.R.7 Students participating in sports / cultural / DSW competitions securing at least fifth rank in the National, Inter-University sports/ cultural events (individual or Team) may be considered for admission as special cases, subject to the approval of the Hon'ble Vice- Chancellor.

A.R.8 One additional seat is to be reserved for each course on the campus to the kin or ward of Solapur University employee subject to the approval of the Hon'ble Vice-Chancellor.

❖ Important Instructions about Admission

1. General merit list will be displayed on University web site http://su.digitaluniversity.ac
2. The university will not make any individual correspondence.
3. List of students called for First and Second Round of counseling will be displayed on the University web site as per the schedule and it is the responsibility of the students to check list and attend the counseling rounds.
4. **Student should attend the round in person along with original documents and prescribed amount of fees.**
5. Student who remain absent on specified date and time of the counseling will be considered only for spot admission as per merit and reservation against vacant seats, if any.

6. It is compulsory for the student to take admission for the course in university department/college after allotted by admission committee. If student fails to take the admission in specified time given by admission committee, he/she will not be considered for admission in any subsequent round except spot round.
7. **Decision of the admission committee shall remain final.**

❖ M. Sc. / M.A. / M.Com. :

1.1. A student satisfying the eligibility criteria of the course and has passed the entrance examination conducted by the University shall be eligible to take the admission.

1.2 Other University students satisfying the eligibility criteria of the course and has passed the entrance examination conducted by the University shall be eligible to take the admission

1.3While preparing the merit list for M. Sc. / M. A./M.Com admission, the performance at B.Sc. III / B.A. III or B.Sc. II / B.A.II, as the case may be, and the performance at the entrance examination will be given equal weightage (50:50). In case of other university students, the merit list will be prepared on the basis of entrance examination marks only.

❖ Cancellation of admission and refund of money shall be as under :

1) Cancellation of admission and refund of money shall be made as per the Public Notice (*F.No.1-3/2007 (CPP-II) date 23rd April, 2007*) by University Grants Commission, New Delhi.

2) A student shall not be entitled to claim refund of tuition fees, if he leaves the college or the institution after the last date of admission to such college/Institution.

3) On cancellation of admission, the student from reserved category will have to pay the fees as per university rules.

A.R.21) Cancellation of admission and refund of money: Cancellation of admission and refund of money shall be as under:

1) All Deposits such as Caution Money, Library Deposit, Laboratory Deposit etc. shall be refundable subject to such deductions as may be necessary on account of any damage to the property of the institution concerned such as breakages to Laboratory equipment, loss of library books etc. for which a student may be responsible.

The application for refund of such deposits shall be made within six months either from the date he/ she leaves the college or completes the course and the said institution shall refund the amount within 30 days from the date of receipt of application.

2) Only tuition fees and no other fees shall be refundable.

3) Tuition fees shall be refundable as under:

a) The entire amount paid by the student after deducting 25% as administrative charges.

i) If a student gets his admission cancelled before the Commencement of the academic term.

ii) If a student gets his admission to another college or institution providing courses different from those in the College or the institution to which he had first sought admission and paid tuition fees provided always that he has kept the authorities of such a college or the institution informed in good time about his application for admission to another college or institution. The application for refund of tuition fees in such cases must be forwarded through the Principal of the College or Institution which the student actually joins, giving pertinent details such as the course selected by him, the date of his application for admission to the college or institution concerned, the date of his admission to the college or institution etc.

b) 50 per cent of the amount paid by a student as tuition fees, if he applies for cancellation of his admission and the refund of fees before the last date of admission to the college or the institution fixed by the University.

4) A student shall not be entitled to claim refund of tuition fees if he leaves the college or the institution, after the last date of admission to such college/ institution.

5) In the case of a student, who fails to inform the authorities of the college or the institution to which he has been given admission, about his intention to leave or change the college or the institution, such authorities shall be entitled to charge full fees for the term or the year, as the case may be.
6) These rules shall not be applicable to colleges/ institutions run by the State Government.
7) August 2nd shall be the last date for the admission to the P.G. Course? However in specific cases admission may be granted upon approval from Hon'ble Vice-Chancellor.

❖ **Reservations for different categories as per the Government policy -**

Sr. No.	Category	Percentage
1.	Scheduled Caste and Scheduled Caste persons who have adopted Buddhism (SC)	13 %
2.	Scheduled Tribe (ST)	7 %
3.	De-notified Tribes (14 Similar Tribes) (VJ/DT) A	3 %
4.	Nomadic Tribes (28 Tribes before January 1990 and similar tribes) (NT-1) B	2.5 %
5.	Nomadic Tribes (Dhanagar and Similar Tribes) (NT-2) C	3.5 %
6.	Nomadic Tribes (Vanjari and Similar Tribes) (NT-3) D	2 %
7.	Other Backward Class (OBC)	19 %
8.	Social and Educational Backward Classes (SEBC)	16 %
9.	Financially weaker sections (EWS)	10 %

❖ **In the 24 % seats of the Open Category and 76 % seats of the Reserved Categories, for the following type of candidates shown percentage of seats will be independently reserved (Internal Reservation) :**

A. Candidate having a certificate from Civil Surgeon specifying that the candidate is physically handicapped and having minimum 40 % disability – 5 % quota.(27 Augest, 2018)

B. Son/Daughter/Husband/Wife of Active Military Services Personnel and Ex. Military Services Personnel and Ex-Serviceman Personnel himself- 2 % quota.

(Note- This being the internal reservation, seats will be filled on merit in the beginning only. Correspondingly the number seats will be reduced from the respective categories.)

❖ **If any seats remain vacant in reserve category it will be filled through following interchangeability process mentioned below:**

Group 1	I.	Scheduled Cast and Scheduled Caste persons who have adopted Buddhism (SC)	II.	Scheduled Tribes (ST)
Group 2	I.	De-notified Tribes (VJ) (A)	II.	Nomadic Tribes (B)
Group 3	I.	Nomadic Tribes (C) Other Backward Castes (OBC)	II.	Nomadic Tribes (D)

❖ After following the rule 9.5 if some seats still remain vacant then those will be filled on the basis of a consolidated merit list of all remaining backward class candidates.

❖ After this, if some seats reserved for backward class remain vacant, they will be filled from the merit list of open category candidates.

❖ **General:**

Students of this University must submit their transference Certificate (From the college last attended) before 31 August without fail.

i) **Students should apply for Eligibility Certificate on or before 31st August after their admission to this University**.

ii) Every student must arrange to have an identity proof at the time of his/her admission.

iii) Seats are reserved for students belonging to Scheduled Castes, Scheduled Tribes etc. as per the Resolution passed by the State Government from time to time.

iv) No application form for admission to an examination will be accepted unless all dues are cleared by the student.

v) Concession for the wards of Kashmiri migrants will be given as per government of India Minister of Human Resource Department letter dated 27/02/2012.

vi) 10% Seats of total intake capacity will be admitted from Ex-servicemen / Defense personal wards as per Government of Maharashtra, Department of education and employment circular dated 13/06/1995.

❖ Disciplinary Rules:

For the purpose of Section 127 (1) of the Maharashtra Public Universities Act, 2016 the rules of discipline and proper conduct for the students of the University Department, affiliated colleges, recognized institutions, autonomous college/ institutions shall be as follows:

1) As part of discipline, students are required to attend functions celebrating Days of National Importance.

2) A) The students shall attend the classes, practical and seminars etc. whenever prescribed, regularly so that the requirements of minimum attendance as prescribed under the Act, the Statutes, the ordinances and rules/regulations made in that behalf are fulfilled.

3) It shall be binding on the part of the students to see that no damage is done to the property of the concerned institution in any manner.

4) i) The students shall behave with their classmates, teachers' authorities and the non-teaching employees of the concerned institutions in a responsible manner.

ii) The student shall behave in a fair and friendly manner in all extra and co-curricular activities.

iii)The student shall participate in Educational tours, Youth festivals and other collective activities wherever prescribed, in a constructive manner-ensuring fulfillment of the objectives of the said activity under strict supervision and guidance of the teachers/officers/authorities of the concerned institutions.

iv)It shall be obligatory on the part of the students to make a proper use of the Laboratory/Library/Study Room and other common facilities without causing inconvenience or damage to the other users, and the property.

5) The resident students shall be governed by the rules and regulations in respect of hostel accommodation/official premises as prescribed by the concerned institution.

6) The students involved in any attempts of common-offs, vulgarism, gundaism, man-handling, eve-teasing, malpractices or participation in criminal acts shall be liable for punishment.

7) Student must not organize / involve in celebrations of any event / programmes / gathering without the prior permission of authority.

8) Prevention of Ragging in Educational Institutions:

a) The provisions of Anti-Ragging Legislation of the State Government shall govern the students, and / or rules made in this regard from time to time by the concerned institution.

b) Ragging is any act which violates the dignity of the individual student or is perceived to violate his / her dignity. Broadly ragging can be categorized in following way –

i) Verbal Ragging ii) Severe Verbal Ragging

iii) Physical Ragging iv) Sexual Ragging

For various types of ragging the punishment such as imprisonment or fine or both is prescribed with expulsion etc, if found guilty of ragging.

9) Anti – Ragging Committee / Squad:

Anti Ragging squad has been constituted at University level as per the order of Hon' ble Supreme Court of India (D. No. 370/04/XI/-A dated 18th May, 2007). Ragging in any form is strictly prohibited.

10) Sexual Harassment Prevention Committees:

There is a committee constituted for prevention of sexual harassment. Students can take help of the committee for any kind of problem of harassment.

11) All powers relating to disciplinary action against students of the University an affiliated college or recognized institution not mentioned by the University, shall vest in the Principal of the affiliated college or Head of the recognize institution, and the provisions of the foregoing sub- section including the rules, if any made thereunder, shall mutains mutandis apply to such colleges, institution and students therein.

12) तंबाखुमुक्त शैक्षणिक संस्था अभियान महाराष्ट्र: विद्यापीठाच्या शंभर यार्डाच्या परिसरात तंबाखुजन्य पदार्थ आणणे, त्याचे सेवन करणे वा विक्री करणे हयावर बंदी आहे, आणि हा कायाद्याने दंडनिय गुन्हा आहे. याचे उल्लंघन केल्यास रू 200/- दंड आकारण्यात येईल.

Any breach of the aforesaid rules or any misbehavior on the part of the student shall be liable to be punished severely in accordance with provisions contained in section 127 (3)(4) of the Maharashtra Public Universities Act, 2016.

Important Note ***: All the courses are full time courses and no candidate is allowed to do any full / part time job during course tenure.***

❖ Nature of question paper for entrance test of M. Sc.Courses :

- Total Marks: 100
- 100 Multiple Choice Questions, each carries 1 mark.
- For M. Sc. Entrance Examination syllabus will be based on 80% of B. Sc. – III, and 20% syllabus of B. Sc. – I and II.
- *The entrance examination will be conducted online.*

❖ Nature of question paper for entrance test of M.Sc. Computer Science:

- Total Marks : 100
- 100 Multiple Choice Questions, each carries 1 mark.
- Questions will be based on : English Grammar, Quantitative aptitude, Introduction to Computers, Introduction to C and C++.
- *The entrance examination will be conducted online.*

❖ Nature of question paper for entrance test of M.Sc. Bio-Statistics:

- Total Marks : 100
- 100 Multiple Choice Questions, each carries 1 mark.
- Questions will be based on : English Grammar, Quantitative aptitude, Introduction to Computers.
- *The entrance examination will be conducted online.*

Nature of question paper for entrance test of M. A. Courses :

- The entrance examination comprises of General Aptitude Test of 100 marks.
- *The entrance examination will be conducted online.*

Eligibility required for various courses

Sr. No	Name of the course	Eligibility
1.	M.Sc. Physics (Appl. Electronics, Materials Science, Condensed Matter Physics, M.Sc Physics (Nano Physics), M.Sc Physics (Solid State))	B.Sc. with Physics as Principal Subject /Physics at Subsidiary level
2.	M.Sc. Electronic Science	B.Sc with Electronics as a Principal subject /Electronics at subsidiary level / Applied Electronics as a Principal Subject/ B. Sc. Physics with Electronics at subsidiary level/ B.Sc (ECS)
	M.Sc. Electronics	
3.	M.Sc. Chemistry (Polymer, Industrial, Organic, Physical, Inorganic, Analytical, Medicinal Chemistry, Pharmaceutical)	B.Sc. with Chemistry as a principal Subject / Chemistry at Subsidiary level
4.	M.Sc. Applied Geology	B.Sc. with Geology as Principal Subject / Geology at Subsidiary Subject.
5.	M.Sc. Geoinformatics	B.Sc./ M.A. Geography
6.	M.Sc. Environmental Science	B.Sc. (any Subject)/ B.Sc. Agri/ Biotechnology/ Bio –Chemistry/ Entrepreneurship (Candidates from waiting list of Chemistry may also be considered)
7.	M.Sc. Computer Science	B.Sc Computer Science /B.C.S./B.Sc (ECS)/ BCA under Science Faculty (With Science at 10 +2 level) / B.Sc.(Mathematics /Electronics/ Statistics)
8.	M.Sc. Mathematics	B.Sc. With Mathematics as Principal Subject / Mathematics at subsidiary level
9.	M.Sc. Statistics	B.Sc.with Statistics as Principal Subject / Statistics at subsidiary Level
10.	M.Sc. Bio-statistics	Any Science Graduate (having Mathematics at 10+2 Level) / B.E./ B.Tech.
11.	M.Sc. Microbiology	B.Sc.with Microbiology as a Principal Subject / Microbiology at subsidiary Level /B.Sc Biotechnology
12.	M.Sc. Botany	B.Sc. with Botany as a Principal Subject / Botany at subsidiary Level/B.Sc Agriculture/ B.Sc Biotechnology
13.	M.A./M.Sc. (Geography)	B.Sc/ B.A with Geography as a Principal Subject / Geography at subsidiary Level
14.	M.Sc. Bioinformatics	B.Sc./ B.E. /B.Tech. /M.B.B.S /B.V.S.C/ B.Pharma/B.Sc Entrepreneurship
15.	M.Sc. Genetics	B.Sc. / B.Sc Agriculture/ M.B.B.S/ B.Pharm / B.Sc Entrepreneurship
16.	M.Sc Biotechnology	B.Sc with Chemistry /Zoology /Botany/Microbiology / Bio-Chemistry/ Biotechnology/ Entrepreneurship
17.	M.Sc. Zoology	B.Sc.with Zoology as a Principal Subject/ Zoology at subsidiary
18.	M.Sc. Nanotechnology	B.Sc with Chemistry / Physics/ Electronics /Botany / Biotechnology /Zoology / Microbiology / Biochemistry/ B.Pharm/ B.Tech / B.Sc Agri/ /MBBS/ B.E/ B.Sc Entrepreneurship
19.	M.Sc. Agrochemical and pest management	B.Sc.with Chemistry / Zoology / Botany / Microbiology/ B.Sc.Agri/ Biotechnology/ Bio –Chemistry/ Horticulture / Plant Protection/ Entrepreneurship /B.Pharm
20.	M.Com	B.Com/ B.B.A/ M.B.A/ B.C.A
21	M.A Economics	B.A with Economics as Principle Subject/ Economics at Subsidiary level / B.Com
22.	M.A History	B.A with History or A.I.H & C as Principle Subject/ History or A.I.H & C Subsidiary level
23	M.A Sociology	B.A with Sociology as principle subject/Sociology at Subsidiary level
24.	M. C. A.	As per state government and A.I.C.T.E. norms.
25.	M.A. History and Archaeology	Graduate in any discipline
26.	M.A. Rural Development	Graduate in any discipline
27.	M.A. Mass Communication	Graduate in any discipline
28.	M. A. (Marathi, Hindi, English, Sanskrit, Urdu, Pali, Kannada.)	Graduate in any discipline

❖The Credit System

Credit is a numerical value that indicates student's work load (lectures, lab work, seminars, tutorial, field work, etc.) to complete a course unit. In most of the universities 15 contact hours constitute one credit. (It is 30 contact hours in European system). As per the present norms there are 4 contact hours per paper (subject) per week which works out to be 60 contact hours per paper (subject) per semester or 120 contact hours in annual pattern. By converting these contact hours into credit at the rate of 15 contact hours for one credit, there will be **04 credits per paper (subject) per semester** and 08 credits in annual pattern. As there are six papers at UG classes, a UG student has to complete minimum 24 credits (maximum credits points 240) in each semester and minimum 48 credits (maximum 480 credit points) in annual pattern in theory only. Similarly, as there are four papers at PG level, a PG student must complete minimum of 16 credits (maximum 160 credit points) in each semester and minimum 32 credits (maximum 320 credit points) in annual system. In the same fashion, there will be 12 credits (three theory papers) for theory examination for M.Phil / Pre Ph.D students. In addition, M.Phil student will have to complete dissertation (08 minimum credits), seminar (02 minimum credits) and viva-voce (02 minimum credits). Thus, for M.Phil students the total minimum credits work load will be 24 credits (maximum 240 credit points)

There can also be 'non-examination credit' which a student can earn by demonstrating proficiency in extra-curricular activities such as sports, social service, military service, cultural activities at state, regional, national, international level.

Conversion of marks into grades :

A table for the conversion of the marks obtained by a student in each paper (out of 100) to grade and grade points is given below.

Sr. No.	Range of marks	Grade	Grade Point
1	80-100	O	10
2	70-79	A+	9
3	60-69	A	8
4	55-59	B+	7
5	50-54	B	6
6	45-49	C+	5
7	40-44	C	4
8	<39	FC	0 Failed in Term End exam
9	<39	FR	0 Failed in Internal assessment

FC – Failed and allowed to Continue, FR – Failed and Retained

Calculation of Grade Point Average (GPA)

1. Grade Point Average at the end of a semester (SGPA)

$$SGPA = \frac{(G1xC1)+(G2xC2)+ \ldots \ldots \ldots}{\sum Ci \text{ (i.e. the total number of credits offered by the student duringa semester)}}$$

2. Cumulative Grade Point Average (CGPA)

$$CGPA = \frac{(G1xC1)+(G2xC2)+ \ldots \ldots \ldots}{\sum Ci \text{ (i.e. the total number of credits offered by the student upto and including the semester for which CGPA is calculated.)}}$$

3. Final Grade Point Average (FGPA) will be calculated in the similar manner for the total number of credits offered for completion of the said course.

Where: Ci: Credits allocated for the i^{th} course

Gi: Grade point scored in i^{th} paper (Subject)

Conversion of average grade points into grades:

The students performance of course will be evaluated by assigning a letter grade on ten points scale as given below:

Sr. No.	SPGA / CGPA / FGPA	Letter Grade	Sr. No.	SPGA / CGPA / FGPA	Letter Grade
1	9.5 – 10	O	5	5.5 - 6.4	B
2	8.5 - 9.4	A+	6	4.5 - 5.4	C+
3	7.5 - 8.4	A	7	4.0 - 4.4	C
4	6.5 - 7.4	B+	8	< 3.9	FC / FR

Scheme of evaluation:

The candidate has to appear for internal evaluation of 30 marks and external evaluation (university exam) for 70 marks for each paper/practical. The nature of internal evaluation will be decided by the respective schools. The internal evaluation is a process of continuous assessment.

Passing Standard

The student has to secure a minimum of 4.0 grade points (Grade C) in each paper (subject/passing head). A student who secures less than 4.0 grade point (39% or less marks, Grade FC/FR) will be declared fail in that paper (subject) and shall be required either to reappear that paper or clear another paper in lieu thereof irrespective of his/her performance in the rest of the paper/subjects/semester/annual even though he/she may have been awarded FGPA.

A student who failed in Term End examination (theory) & passed in internal assessment of a paper (subject) shall be given FC Grade. Such student will have to appear for Term End examination only. A student who fails in internal assessment and passed in Term End examination (Theory) shall be given FR Grade. Such student will have to appear for Term End examination as well as internal assessment.

In case of year down candidates from the mark scheme the candidates shall appear for the same 70 marks paper of the external examination and his performance shall be scaled to 100 marks.

ATKT

A student who fails (secures Grade FC/FR) in one fourth (25%) or less papers of the total papers offered in the first and second semester will be allowed for admission to second year (Sem. III-IV).

❖CBCS (Choice Based Credit System)

CBCS is implemented from academic year 2015-16 for courses on the university campus and P.G. courses at the affiliated colleges.

❖ The School System:

The University has adopted the school system and brought various departments under umbrella of five different schools. The basic motive behind the School concept is optimal utilization of manpower, infrastructure and other resource available with university.The University Grants Commission has recommended inception of the School System for institutes of higher learning to provide academic flexibility and horizontal mobility to the graduate and post graduate students.

Sr. No.	Name of the School	Name of the Department
1	School of Chemical Sciences	1) Department of Polymer Chemistry 2) Department of Industrial Chemistry 3) Department of Organic Chemistry 4) Department of Medicinal Chemistry
2	School of Computational Sciences	1) Department of Computer Applications 2) Department of Computer Science 3) Department of Mathematics 4) Department of Statistics 5) Department of Bio - Statistics
3	School of Earth Sciences	1) Department of Applied Geology 2) Department of Environmental Science 3) Department of Geoinformatics
4	School of Physical Sciences	1) Department of Physics (Applied Electronics) 2) Department of Electronic Science 3) Department of Physics (Materials Science) 4) Department of Physics (Condensed Matter Physics)
5	School of Social Sciences	1) Department of A.I.H.C & Archaeology 2) Department of Economics 3) Department of Rural Development 4) Department of Journalism & Mass Communication
6	School of Commerce and Management	1) Department of Commerce & Managment 2) Department of M.B.A
7	School of Languages	1) Department of Marathi 2) Department of Hindi 3) Department ofEnglish 4) Departmentof Sanskrit 5) Department ofUrdu 6) Department of Kannada 7) Department of Pali
8	School of Technology	1) Department of Cosmetic Technology
9	School of Allied Health Science	1) Department of Dietetics and Nutrition
10	School of Performing Arts	1) Department of Music 2) Department of Dramatics

School of Chemical Sciences

Building admeasuring about 30,000 sq. ft. built-up area. Well furnished and equipped classrooms, laboratories, seminar hall and conference hall.

Background:

Chemistry Department was the first institute in Maharashtra to offer the M.Sc. course in Polymer Chemistry since 1984, M. Sc. Industrial Chemistry course was started in 1997 and M. Sc. Organic Chemistry course was started in 2005.Job oriented and applied subjects / courses.

Campus Interviews:

- Various companies viz. Kansai Nerolac Paints Ltd., Gharda Chemicals Ltd., Cipla Ltd., Smurthi Organics Ltd., Asian Paints Ltd., Life Line Industries Ltd., URDIP, Pune, Syngene International Ltd, A Biocon Company, Bangalore, Balaji Amines Ltd., Solapur, Vikalp Chemtech Pvt.Ltd. Solapur, etc are invited to hold campus interviews.
- Many of our M. Sc. (Polymer, Organic and Industrial Chemistry) students were selected on Fellowship to get admission to Ph. D. / PDF courses in countries namely, U. K., Germany, Italy, Netherlands, USA, South Korea and Japan etc.
- Highest rate of Passing SET/NET/GATE examination. Near about 60 Students qualified SET/ NET/ GATE examination from 2010 comparatively other University in Maharashtra.

Courses offered:

The School of Chemical Sciences cater the needs of students who wish to pursue higher education to obtain M. Sc., M. Phil., and Ph. D. in the specializations shown below –

Sr. No.	Name of the Department	Name of the Course	Intake capacity
1.	Department of Polymer Chemistry	M. Sc. Polymer Chemistry	20
2.	Department of Industrial Chemistry	M. Sc. Industrial Chemistry	25
3.	Department of Organic Chemistry	M. Sc. Organic Chemistry	40
4.	Department of Medicinal Chemistry	M.Sc. Medicinal Chemistry	20

Eligibility: Student with B.Sc. Chemistry (at Principal/ Subsidiary level) of any UGC recognized University is eligible. Preference will be given to the students with Chemistry as the principal subject.

Sophisticated Scientific Instruments:

- UV-VIS Spectrophotometer (Shimadzu 160A).
- Thermo Gravimetric – DSC (Rigaku).
- Programmable DV-II Brookfield Viscometer.
- Izod Impact Tester, High Pressure Reactor.
- Controlled Atmosphere Glove Box (Labconco).
- Vapor Pressure Osmometer.
- Polymer Film Making Machine.
- G. M. Counter, Potentiostat.
- KF Titrator, Polarimeter, Flame Photometer.
- Melt Flow Index Instrument.
- Micro wave synthesizer, sonicator, rota evaporator.

Teaching Staff:

- The teaching faculty is highly qualified and well experienced.
- Some of the teachers have several years' postdoctoral research experience in countries like South Korea.

Sr. No.	Name	Designation
1.	Dr. R. B. Bhosale	Professor and Director
2.	Dr. Smt. A. S. Lawand	Assistant Professor
3.	Dr. S. N. Shringare	Assistant Professor
4.	Shri. V. D. Kadu	Assistant Professor
5.	Dr. M. G. Mali	Assistant Professor

On Contract Basis: 07 Assistant Professors

Visiting Faculty: Eminent Professors from National Institutes, CSIR Laboratories and Universities are invited to enrich the academic perspective of the students.

Research Facilities:

A) Major Areas of Research:

- Polymer chemistry, polymer synthesis / modification, high temperature resistant polymers, phosphorus / fluorine containing monomers and polymers, utilization of natural resources – like CNSL, castor oil, cellulisics etc. Controlled drug delivery systems, liquid crystal polymers, functional polymers, polymer supported ligands, block and graft co-polymers, Photoresponsive Monomers and Polymers, Photoresist Materials.

- Development of new synthetic methods, synthesis of bioactive molecules, medicinal chemistry, process development of fine chemicals, drugs / pharmaceuticals ingredients.

B) Research Activities:

- Completed Research Projects: Seven major projects sponsored by DST-New Delhi, BRNS–Mumbai, UGC – New Delhi and ISRO.
- One Major Research Project sanctioned by UGC, New Delhi.
- Published several research papers in National and International journals.
- So far 16 students have obtained M. Phil. and 48 students have obtained Ph. D. degree.
- At present 25 Ph. D. students are engaged in the research work.

Course Structure:

M. Sc. – I (Polymer Chemistry, Industrial Chemistry Organic Chemistry and Medicinal Chemistry)

Semester – I								
Code	**Title of the Paper**	**Semester exam**			**L**	**T**	**P**	**Credits**
	Hard core	**Theory**	**IA**	**Total**				
HCT1.1	Inorganic Chemistry –I	70	30	100	4		-	4
HCT1.2	Organic Chemistry –I	70	30	100	4		-	4
HCT1.3	Physical Chemistry –I	70	30	100	4		-	4
	Soft Core (Any one)							
SCT1.1	Analytical Chemistry –I	70	30	100	4		0	4
SCT1.2	Communication Skills	70	30	100	4		0	
	Practical							
HCP 1.1	Practical HCP 1.1	35	15	50	-	-	2	6
HCP1.2	Practical HCP 1.2	35	15	50	-	-	2	
HCP1.3	Practical HCP 1.3	35	15	50	-	-	2	
	Soft core (Any one)							
SCP1.1	Practical SCP1.1	35	15	50	-	-	2	2
SCP1.2	Practical SCP1.2	35	15	50	-	-	2	
T1	Tutorial /Seminar	-	-	25	-	1	-	1
	Total for first semester	**420**	**180**	**625**				**25**

Semester – II								
	Hard core							
HCT2.1	Inorganic Chemistry –II	70	30	100	4		-	4
HCT2.2	Organic Chemistry –II	70	30	100	4		-	4
HCTP2.3	Communicate in English Confidently	55	20	75			1	03
	Soft core (Any one)							
SCT2.1	Physical Chemistry –II	70	30	100	4		-	4
SCT2.2	Green Chemistry	70	30	100	4		-	
	Open elective (Any one)							
OET2.1	Instrumental Methods of Analysis	70	30	100	4		-	4
OET2.2	Medicinal Chemistry	70	30	100	4		-	
	Practical							
HCP 2.1	Practical HCP 2.1	35	15	50	-	-	2	4
HCP2.2	Practical HCP 2.2	35	15	50	-	-	2	
	Soft core (Any one)							
SCP1.1	Practical SCP2.1	35	15	50	-	-	2	2
SCP1.2	Practical SCP2.2	35	15	50	-	-	2	
	Open elective (Any one)							
OEP2.1	Practical OEP2.1	35	15	50	-	-	2	2
OEP2.2	Practical OEP2.2	35	15	50	-	-	2	
T2	Tutorial /Seminar	--	-	25	-	1	-	1
	Total for second semester	**420**	**180**	**625**				**25**

M. Sc. – II (Polymer Chemistry)

Semester – III								
Code	**Title of the Paper**	**Semester exam**			**L**	**T**	**P**	**Credits**
	Hard core	**Theory**	**IA**	**Total**				
HCT3.1	Fundamentals of Feedstocks and Polymers	70	30	100	4		-	4
HCT3.2	Morphology and Physical Chemistry of Polymers	70	30	100	4		-	4
HCTP3.3	Technical English Communication Skills	55	20	75	3		1	3
	Soft core (Any one)							
SCT3.1	Basic Concepts of Polymerization	70	30	100	4		-	4
SCT3.2	Natural and Synthetic Textile fibers and Resins	70	30	100	4		-	
	Open elective (Any one)							
OET3.1	Spectral and Instrumental Analysis of Polymers	70	30	100	4		-	4
OET3.2	Unit operations of chemical Engineering	70	30	100	4		-	
	Practical							
HCP 3.1	Practical HCP 3.1	35	15	50	-	-	2	2
HCP3.2	Practical HCP 3.2	35	15	50	-	-	2	2
SCP 3.1	Practical SCP 3.1	35	15	50	-	-	2	2
	Open elective (Any one)							
OEP3.1	Practical OEP3.1	35	15	50	-	-	2	2
OEP3.2	Practical OEP3.2	35	15	50	-	-	2	
T3	Tutorial /Seminar	--	-	25	-	1	-	1
	Total for third semester	**420**	**180**	**625**				**25**
Semester – IV								
	Hard core							
HCT4.1	Step-growth Polymers	70	30	100	4		-	4
HCT4.2	Stereoregular Polymers and Modern Polymerisation Methods	70	30	100	4		-	4
HCT 4.3	Selected Topics in Polymers	70	30	100	4		-	4
	Soft core (Any one)						-	4
SCT4.1	Processing Technology and Polymer Properties	70	30	100	4		-	
SCT4.2	Inorganic and Biopolymers	70	30	100	4		-	
	Practical							
HCP 4.1	Practical HCP 4.1	35	15	50	-	-	2	2
HCP4.2	Practical HCP 4.2	35	15	50	-	-	2	2
SCP 4.3	Practical SCP 4.3	35	15	50	-	-	2	2
HCMP4.4	Major Project	35	15	50	-	-	2	2
T4	Tutorial /Seminar	--	-	25	-	1	-	1
	Total for four semester	**420**	**180**	**625**				**25**

M. Sc. – II (Industrial Chemistry)

Semester – III								
Code	**Title of the Paper**	**Semester exam**			**L**	**T**	**P**	**Credits**
	Hard core	**Theory**	**IA**	**Total**				
HCT3.1	Unit operations of chemical Engineering	70	30	100	4		-	4
HCT3.2	Unit processes in Chemical technology	70	30	100	4		-	4
HCTP3.3	Technical English Communication Skills	55	20	75	3		1	3
	Soft core (Any one)							
SCT3.1	Instrumental Analysis	70	30	100	4		-	4
SCT3.2	Advanced Topics in Industrial Chemistry-II	70	30	100	4		-	
	Open elective (Any one)							
OET3.1	Advanced Topics in Industrial Chemistry-I	70	30	100	4		-	4
OET3.2	Advanced Organic Chemistry-II	70	30	100	4		-	
	Practical							

HCP 3.1	Practical HCP 3.1	35	15	50	-	-	2	2
HCP3.2	Practical HCP 3.2	35	15	50	-	-	2	2
SCP 3.1	Practical SCP 3.1	35	15	50	-	-	2	2
	Open elective (Any one)							
OEP3.1	Practical OEP3.1	35	15	50	-	-	2	2
OEP3.2	Practical OEP3.2	35	15	50	-	-	2	
T3	Tutorial /Seminar	--	-	25	-	1	-	1
	Total for third semester	**420**	**180**	**625**				**25**
Semester – IV								
	Hard core							
HCT4.1	Chemical Industries	70	30	100	4		-	4
HCT4.2	Pollution Monitoring and Control	70	30	100	4		-	4
HCT 4.3	Nanotechnology and Instrumental Analysis	70	30	100	4		-	4
	Soft core (Any one)						-	4
SCT4.1	Industrial Management and Material Balance	70	30	100	4		-	
SCT4.2	Chemical Industries-II	70	30	100	4		-	
	Practical							
HCP 4.1	Practical HCP 4.1	35	15	50	-	-	2	2
HCP4.2	Practical HCP 4.2	35	15	50	-	-	2	2
SCP 4.3	Practical SCP 4.3	35	15	50	-	-	2	2
HCMP4.4	Major Project	35	15	50	-	-	2	2
T4	Tutorial /Seminar	--	-	25	-	1	-	1
	Total for four semester	**420**	**180**	**625**				**25**

M. Sc. – II (Organic Chemistry)

Semester – III								
Code	**Title of the Paper**	**Semester exam**			**L**	**T**	**P**	**Credits**
	Hard core	**Theory**	**IA**	**Total**				
HCT3.1	Advanced Organic Chemistry-I	70	30	100	4		-	4
HCT3.2	Advanced Spectroscopic Methods	70	30	100	4		-	4
HCTP3.3	Technical English Communication Skills	55	20	75	3		1	3
	Soft core (Any one)							
SCT3.1	Photochemistry and Pericyclic Reactions	70	30	100	4		-	4
SCT3.2	Medicinal Chemistry-II	70	30	100	4		-	
	Open elective (Any one)							
OET3.1	Drugs and Heterocycles	70	30	100	4		-	4
OET3.2	Unit operations of chemical Engineering	70	30	100	4		-	
	Practicals							
HCP 3.1	Practical HCP 3.1	35	15	50	-	-	2	2
HCP3.2	Practical HCP 3.2	35	15	50	-	-	2	2
SCP 3.1	Practical SCP 3.1	35	15	50	-	-	2	2
	Open elective (Any one)							
OEP3.1	Practical OEP3.1	35	15	50	-	-	2	2
OEP3.2	Practical OEP3.2	35	15	50	-	-	2	
T3	Tutorial /Seminar	--	-	25	-	1	-	1
	Total for third semester	**420**	**180**	**625**				**25**
Semester – IV								
	Hard core							
HCT4.1	Advanced Organic Chemistry-II	70	30	100	4		-	4
HCT4.2	Stereo Chemistry	70	30	100	4		-	4
HCT 4.3	Chemistry of Natural Products	70	30	100	4		-	4
	Soft core (Any one)						-	4
SCT4.1	Applied Organic Chemistry	70	30	100	4		-	
SCT4.2	Chemical Industries	70	30	100	4		-	
	Practicals							
HCP 4.1	Practical HCP 4.1	35	15	50	-	-	2	2
HCP4.2	Practical HCP 4.2	35	15	50	-	-	2	2
SCP 4.3	Practical SCP 4.3	35	15	50	-	-	2	2
HCMP4.4	Major Project	35	15	50	-	-	2	2
T4	Tutorial /Seminar	--	-	25	-	1	-	1
	Total for four semester	**420**	**180**	**625**				**25**

School of Computational Sciences

Background :

- M.C.A. course was started in 1998
- M. Sc. (Computer Science) and M. Sc. (Mathematics) courses were started in 2005.
- M. Sc. (Statistics) course was started in 2007.
- Separate building for the school.
- Well furnished classrooms with LCD projectors.
- Internet facility is available to students.
- Offers best teaching and laboratory facilities at moderate fees.

Campus Interviews :

- Various companies viz. Endeavour Software Technologies – Bangalore, Cogzy Technologies – Bangalore, 4SPL Pvt. Ltd. – Bangalore, Prometheus Solutions Pvt. Ltd.- Mumbai, Yellowmarkers Technologies – Pune, EveryDay IT solutions - Pune, CrossMessenger Pvt. Ltd. - Solapur, Aftek Limited, Solapur, Syneotek Technologies –Pune, V-Midas Technologies - Solapur etc have conducted interviews for M.C.A., M.Sc. Computer Science and Statistics students.

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- **Courses Offered :**

The School of Computational Sciences cater the needs of students who wish to pursue higher education to obtain M. C. A., M. Sc., and Ph. D. in the specializations given below –

No.	Name of the Department	Name of the Course	Intake
1	Department of Computer Applications	M. C. A. (Master of Computer Applications)	60
2	Department of Computer Science	M. Sc. (Computer Science)	20
3	Department of Mathematics	M. Sc. (Mathematics)	50
4	Department of Statistics	M. Sc. (Statistics)	30
5	Department of Biostatistics	M.Sc. (Biostatistics)	20

Research Activities :

- Facilities available:
  Well equipped computer labs with 190 computers and 3 IBM servers, Five high quality Scanners, .NET, SPSS, MINITAB, MATLAB and SYSTAT software
- Major Research Areas :
  Industrial Statistics, Statistical Inference, Fuzzy Set Theory, Soft Set Theory
  Digital Image Processing, Content Based Image Retrieval.
- Published several papers in national and international journals
- Presented research papers in national and international conferences.
- Organized national level workshops viz. “National Workshop on Statistical Computing” sponsored by CSIR, New Delhi and “National Workshop on MATLAB and Image Processing”, “Use of Latex”.
- Organized two national level conferences viz. “National Conference on New Horizons of Statistics” sponsored by DST, New Delhi and “National Conference on Recent Advances in Information Technology” sponsored by DEITY, New Delhi.
- Organizing every year national level Paper Presentation and Programming Competition “Dexter Innofest”.
- Organizing every year state level mega competition to celebrate National Mathematics Day.
- Organized one day national seminar on “Fuzzy Mathematics and Its Applications” and “Creating Awareness about Official Statistics”.
- At present 18 Ph.D. students are engaged in research work.

Teaching Staff :

Sr. No.	Name	Designation	Specialization
1	Prof. Dr. V. B. Ghute	Director	Statistics
2	Prof. Dr. R. S. Hegadi	Professor	Computer Science
3	Dr. R. S. Mente	Assistant Professor	Computer Applications
4	Mrs. J. D. Mashale	Assistant Professor	Mathematics
5	Mr. A. R. Shinde	Assistant Professor	Computer Science
6	Dr. S. D. Raut	Assistant Professor	Computer Science
7	Mr. C. G. Gardi	Assistant Professor	Statistics

On Contract Basis : 08 Assistant Professors

Course Structure : The CBCS is applicable for all the courses under this school from the academic year 2016-17.

A) M. C. A. (Master of Computer Applications)

Semester – I		**Semester – II**	
Paper Code	**Paper Title**	**Paper Code**	**Paper Title**
Hard Core - Theory			
HCT 1.1	Introduction to Computers	HCT 2.1	Object Oriented Programming using C++
HCT 1.2	Programming using C	HCT 2.2	Data Structures
HCT 1.3	Digital Circuits and Microprocessors	HCT 2.3	Operating System
HCT 1.4	Management		
Soft Core – Theory (Any One)			
SCT 1.1	Discrete Mathematical Structures	SCT 2.1	Software Engineering
SCT 1.2	Operations Research	SCT 2.2	Graph Theory
Hard Core - Practical			
HCP 1.1	Practical based on HCT1.1	HCP 2.1	Practical based on HCT2.1
HCP 1.2	Practical based on HCT1.2	HCP 2.2	Practical based on HCT2.2
HCP 1.3	Practical based on HCT1.3	HCP 2.3	Project - II
HCP 1.4	Project - I		
Open Elective Theory and Practical for Semester - II			
Open Elective – Theory (Any One)		**Open Elective – Practical (Any One)**	
OET 2.1	Office Automation	OEP 2.1	Practical based on OET2.1
OET 2.2	Linux Operating System	OEP 2.2	Practical based on OET2.2
Semester – III		**Semester – IV**	
Hard Core - Theory			
HCT 3.1	System Software	HCT 4.1	.NET
HCT 3.2	DBMS	HCT 4.2	Data Mining and Warehouse
HCT 3.3	Java Programming	HCT 4.3	UML
		HCT 4.4	Finite Automata
Soft Core – Theory (Any One)			

SCT 3.1	Computer Communication Network	SCT 4.1	Distributed Operating System
SCT 3.2	Computer Architecture	SCT 4.2	Computer Graphics
SCT 3.3	Programming with PHP		
Hard Core - Practical			
HCP 3.1	Practical based on HCT3.2	HCP 4.1	Practical based on HCT4.1
HCP 3.2	Practical based on HCT3.3	HCP 4.2	Practical based on HCT4.2
HCP 3.3	Project - III	HCP 4.3	Practical based on HCT4.4
		HCP 4.4	Project - IV
Open Elective Theory and Practical for Semester - III			
Open Elective – Theory (Any One)		**Open Elective – Practical (Any One)**	
OET 3.1	Fundamentals of Web Designing	OEP 3.1	Practical based on OET3.1
OET 3.2	Internet of Things	OEP 3.2	Practical based on OET3.2
Semester – V *(to be revised)*			
MCA501	Artificial Intelligence	MCA504	Optional papers (Group-I, Group-II) : Select Any One Group
MCA502	Web Design Techniques	MCA505	
MCA503	Network Security	MCA506	Practical –V
MCA507	Project - V	--------	----------
Semester – VI *(to be revised)*			
MCA601 : PROJECT – VI of 250 marks			

Group – I : 1) Digital Image Processing 2) Mobile Computing
Group – II : 1) Pattern Recognition 2) Real Time Systems

Passing Standard: Passing standard is same as that of other M.Sc. courses in the Solapur University.

- A student has to clear all the heads of passing of first and second semesters to be eligible for the admission to the fifth semester.
- A candidate will be awarded a class or distinction as per the rules of other science subjects.
- The Regulations / Ordinance not covered in this shall be followed from the Regulations / Ordinance laid down for the science faculty.

B) M. Sc. (Computer Science):

Semester – I		**Semester – II**	
Paper Code	**Paper Title**	**Paper Code**	**Paper Title**
Hard Core - Theory			
HCT 1.1	DBMS	HCT 2.1	Java Programming
HCT 1.2	Data Structures	HCT 2.2	Computer Communication Network
HCT 1.3	Object Oriented Programming using C++	HCT 2.3	Operating System
Soft Core – Theory (Any One)			
SCT 1.1	Software Engineering	SCT 2.1	UML
SCT 1.2	Operating System	SCT 2.2	Software Testing

Hard Core - Practical			
HCP 1.1	Practical based on HCT1.1	HCP 2.1	Practical based on HCT2.1
HCP 1.2	Practical based on HCT1.2	HCP 2.2	Practical based on HCT2.2
HCP 1.3	Practical based on HCT1.3	HCP 2.3	Project - II
HCP 1.4	Project - I		Tutorial
	Tutorial		
Open Elective Theory and Practical for Semester - II			
Open Elective – Theory (Any One)		**Open Elective – Practical (Any One)**	
OET 2.1	Office Automation	OEP 2.1	Practical based on OET2.1
OET 2.2	Linux Operating System	OEP 2.2	Practical based on OET2.2
Semester – III		**Semester – IV**	
Hard Core - Theory			
HCT 3.1	Digital Image Processing	HCT 4.1	.NET Technology
HCT 3.2	Mobile Computing	HCT 4.2	Soft Computing
		HCT 4.3	Data Mining and Warehouse
Soft Core – Theory (Any One)			
SCT 3.1	Artificial Intelligence	SCT 4.1	Distributed Operating System
SCT 3.2	Operations Research	SCT 4.2	Network Security
SCT 3.3	Finite Automata		
Hard Core - Practical			
HCP 3.1	Practical based on HCT3.1	HCP 4.1	Practical based on HCT4.1
HCP 3.2	Practical based on HCT3.2	HCP 4.2	Practical based on HCT4.2
HCP 3.3	Project - III	HCP 4.3	Practical based on HCT4.3
	Tutorial	HCP 4.4	Project - IV
			Tutorial
Open Elective Theory and Practical for Semester - III			
Open Elective – Theory (Any One)		**Open Elective – Practical (Any One)**	
OET 3.1	Procedural Programming Methodology	OEP 3.1	Practical based on OET3.1
OET 3.2	Internet of Things	OEP 3.2	Practical based on OET3.2

C) M. Sc. (Mathematics):

M.Sc. MATHEMATICS SEMESTER-I								
Paper Code	**Title of the Paper**	**Semester Examination**			**L**	**T**	**P**	**Credits**
		Theory	**IA**	**Total**				
	Hard Core Theory							
HCT 1.1	Algebra I	70	30	100	4	--	--	4
HCT 1.2	Real Analysis I	70	30	100	4	--	--	4
HCT 1.3	Differential Equations	70	30	100	4	--	--	4
HCT 1.4	Classical Mechanics	70	30	100	4	--	--	4

	Soft Core-Theory (Any one)							
SCT 1.1	Number Theory	70	30	100	4	--	--	4
SCT 1.2	Object Oriented Programming using C++							
	Practical							
HCP1.1	Practical 1 (Practical based on HCT 1.1, HCT1.2,	35	15	50	--	--	4	2
HCP1.2	Practical 2 (Practical based on HCT 1.4, SCT)	35	15	50	--	--	4	2
	Seminar/Tutorial/ Industrial Visit/ Field Tour	---	25	25	--	1	--	1
Total for Semester-I		**420**	**205**	**625**	**--**	**--**	**--**	**25**
M.Sc. MATHEMATICS SEMESTER-II								
Code	**Title of the Paper**	**Semester Examination**			**L**	**T**	**P**	**Credits**
		Theory	**IA**	**Total**				
	Hard Core Theory							
HCT 2.1	Algebra II	70	30	100	4	--	--	4
HCT 2.2	Real Analysis II	70	30	100	4	--	--	4
HCT 2.3	General Topology	70	30	100	4	--	--	4
	Soft Core Theory (Any One)							
SCT 2.1	Complex Analysis	70	30	100	4	--	--	4
SCT 2.2	Relativistic Mechanics							
	Open Elective Theory (Any one)							
OET 2.1	Fundamentals in Mathematics	70	30	100	4	--	--	4
OET 2.2	Vedic Mathematics							
	Practical (Hard and Soft core)							
HCP 2.1	Practical 3 (Practical based on HCT 2.1,2.2,2.3 and SCT)	35	15	50	--	--	4	2
	Practical (Open Elective) Any One							
OEP 2.1	Practical 4 (Practical based on OEP 2.1)	35	15	50	--	--	4	2
OEP 2.2	Practical 4 (Practical based on OEP 2.2)							
	Seminar/Tutorial	---	25	25	--	1	--	1
Total for Semester-II		**420**	**205**	**625**	**--**	**--**	**--**	**25**
M.Sc. MATHEMATICS SEMESTER-III								
Paper Code	**Title of the Paper**	**Semester**			**L**	**T**	**P**	**Credits**
		Theory	**IA**	**Total**				
	Hard Core Theory							
HCT 3.1	Functional Analysis	70	30	100	4	--	--	4
HCT 3.2	Advanced Discrete	70	30	100	4	--	--	4
HCT 3.3	Linear Algebra	70	30	100	4	--	--	4
	Soft Core Theory (Any one)							
SCT 3.1	Differential Geometry	70	30	100	4	--	--	4
SCT 3.2	Fuzzy Mathematics							

	Open Elective Theory (Any One)							
OET 3.1	Numerical Techniques	70	30	100	4	--	--	4
OET 3.2	Optimization Techniques							
	Practical (Hard and Soft core)							
HCP 3.1	Practical 5 (Practical based	35	15	50	--	--	4	2
	Practical (Open Elective) Any One							
OEP 3.1	Practical 6 (Practical based	35	15	50	--	--	4	2
OEP 3.2	Practical 6 (Practical based							
	Seminar/Tutorial/	---	25	25	--	1	--	1
Total for Semester-III		**420**	**20**	**625**	**--**	**--**	**--**	**25**
M.Sc. MATHEMATICS SEMESTER-IV								
Code	**Title of the Paper**	**Semester**			**L**	**T**	**P**	**Credits**
		Theory	**IA**	**Total**				
	Hard Core Theory							
HCT 4.1	Measure & Integration	70	30	100	4	--	--	4
HCT 4.2	Partial Differential	70	30	100	4	--	--	4
HCT 4.3	Integral Equations	70	30	100	4	--	--	4
HCT 4.4	Operations Research	70	30	100	4	--	--	4
	Soft Core Theory (Any one)							
SCT 4.1	Numerical Analysis	70	30	100	4	--	--	4
SCT 4.2	Lattice Theory							
SCT 4.3	Probability Theory							
	Practical and Project							
HCP 4.1	Practical 7 (Practical based on	35	15	50	--	--	4	2
HCP 4.2	Practical 8 (Project Work)	35	15	50	--	--	4	2
	Seminar/Tutorial/	---	25	25	--	1	--	1
Total for Semester-IV		**420**	**20**	**625**	**--**	**--**	**--**	**25**
Total				**2500**	**--**	**--**	**--**	**100**

D) M. Sc. (Statistics):

M.Sc. STATISTICS SEMESTER-I								
Paper Code	**Title of the Paper**	**Semester Examination**			**L**	**T**	**P**	**Credits**
		Theory	**IA**	**Total**				
Hard Core Theory								
HCT 1.1	Real Analysis	70	30	100	4	--	--	4
HCT 1.2	Linear Algebra	70	30	100	4	--	--	4
HCT 1.3	Distribution Theory	70	30	100	4	--	--	4
HCT 1.4	Estimation Theory	70	30	100	4	--	--	4

	Soft Core-Theory (Any one)							
SCT 1.1	Statistical Computing	70	30	100	4	--	--	4
SCT 1.2	Demography							
	Practical							
HCP1.1	Practical-1: (Based on HCT 1.2, 1.4)	35	15	50	--	--	4	2
HCP1.2	Practical-2: (Based on HCT 1.3, SCT)	35	15	50	--	--	4	2
	Seminar / Tutorial	---	25	25	--	1	--	1
	Total for Semester-I	**420**	**205**	**625**	**--**	**--**	**--**	**25**

M.Sc. STATISTICS SEMESTER-II								
Code	**Title of the Paper**	**Semester Examination**			**L**	**T**	**P**	**Credits**
		Theory	**IA**	**Total**				
	Hard Core Theory							
HCT 2.1	Probability Theory	70	30	100	4	--	--	4
HCT 2.2	Stochastic Processes	70	30	100	4	--	--	4
HCT 2.3	Theory of Testing of Hypotheses	70	30	100	4	--	--	4
	Soft Core Theory (Any One)							
SCT 2.1	Sampling Theory	70	30	100	4	--	--	4
SCT 2.2	Actuarial Statistics							
	Open Elective Theory (Any One)							
OET 2.1	Statistical Methods	70	30	100	4	--	--	4
OET 2.2	Mathematical Statistics							
	Practical (Hard and Soft core)							
HCP 2.1	Practical-3: (based on HCT and SCT)	35	15	50	--	--	4	2
	Practical (Open Elective) Any One							
OEP 2.1	Practical -4: (based on OEP 2.1)	35	15	50	--	--	4	2
OEP 2.2	Practical-4: (based on OEP 2.2)							
	Seminar / Tutorial	---	25	25	--	1	--	1
	Total for Semester-II	**420**	**205**	**625**	**--**	**--**	**--**	**25**

M.Sc. STATISTICS SEMESTER-III								
Paper Code	**Title of the Paper**	**Semester Examination**			**L**	**T**	**P**	**Credits**
		Theory	**IA**	**Total**				
	Hard Core heory							
HCT 3.1	Asymptotic Inference	70	30	100	4	--	--	4

HCT 3.2	Multivariate Analysis	70	30	100	4	--	--	4
HCT 3.3	Planning and Analysis of Industrial Experiments	70	30	100	4	--	--	4
	Soft Core Theory (Any one)							
SCT 3.1	Regression Analysis	70	30	100	4	--	--	4
SCT 3.2	Official Statistics							
	Open Elective Theory (Any One)							
OET 3.1	Applied Statistics	70	30	100	4	--	--	4
OET 3.2	Modeling and Simulation							
	Practical (Hard and Soft core)							
HCP 3.1	Practical-5: (based on HCT and SCT)	35	15	50	--	--	4	2
	Practical (Open Elective) Any One							
OEP 3.1	Practical-6: (based on OET 3.1)	35	15	50	--	--	4	2
OEP 3.2	Practical-6: (based on OET 3.2)							
	Seminar / Tutorial	---	25	25	--	1	--	1
Total for Semester-III		**420**	**205**	**625**	**--**	**--**	**--**	**25**

M.Sc. STATISTICS SEMESTER-IV

Code	Title of the Paper	Semester Examination			L	T	P	Credits
		Theory	IA	Total				
	Hard Core heory							
HCT 4.1	Discrete Data Analysis	70	30	100	4	--	--	4
HCT 4.2	Industrial Statistics	70	30	100	4	--	--	4
HCT 4.3	Reliability and Survival Analysis	70	30	100	4	--	--	4
HCT 4.4	Optimization Techniques	70	30	100	4	--	--	4
	Soft Core Theory (Any one)							
SCT 4.1	Time Series Analysis	70	30	100	4	--	--	4
SCT 4.2	Clinical Trials							
SCT 4.3	Data Mining							
	Practical and Project							
HCP 4.1	Practical-7: (Based on HCT and SCT)	35	15	50	--	--	4	2
HCP 4.2	Practical-8: Project Work	35	15	50	--	--	4	2
	Seminar / Tutorial	---	25	25	--	1	--	1

Total for Semester-IV		**420**	**205**	**625**	**--**	**--**	**--**	**25**
	Total			**2500**	**--**	**--**	**--**	**100**

L=Lecture T=Tutorials P=Practical IA=Internal Assessment HCT=Hard Core Theory
SCT=Soft Core Theory HCP=Hard Core Practical OET=Open Elective Theory
MP=Major Project OEP= Open Elective Practical

M.Sc. BIOSTATISTICS

Code	Title of the Paper	Semester Examination			L	T	P	Credits
		Theory	IA	Total				
Semester-I								
	Hard Core							
HCT1.1	Introduction to Bio-Statistics	70	30	100	4	--	--	4
HCT1.2	Design of Sample Surveys	70	30	100	4	--	--	4
HCT1.3	Probability and distributions	70	30	100	4	--	--	4
	Soft Core (Any one)							
SCT1.1	Data Analysis using Software	70	30	100	4	--	--	4
SCT1.2	Introduction to Ecology	70	30	100	4	--	--	4
	Seminar/Tutorial/ Industrial Visit/ Field Tour	---	25	25	--	1	**--**	1
HCP1.1	Statistical Data Analysis Using MS-Excel	35	15	50	--	**--**	06	2
HCP1.2	Statistical Data Analysis Using SPSS	35	15	50	--	**--**	06	2
HCP1.3	Statistical Data Analysis Using R	35	15	50	--	**--**	06	2
HCP1.4	Statistical Data Analysis Using Minitab/Matlab	35	15	50	--	**--**	06	2
Total for Semester-I		**420**	**205**	**625**	**--**	**--**	**--**	**25**
Semester-II								
	Hard Core							
HCT2.1	Introduction to Basic Epidemiology	70	30	100	4	--	--	4
HCT2.2	Statistical Inference-I	70	30	100	4	--	--	4
	Soft Core (Any one)							
SCT2.1	Linear Algebra and Regression Techniques	70	30	100	4	--	--	4
SCT2.2	Introduction to Statistical Genetics	70	30	100	4	--	--	4
	Open Elective(Any one)							
OET2.1	Vital Statistics	70	30	100	4	--	--	4
OET2.2	Statistical Methods	70	30	100	4	--	--	4
	Seminar/Tutorial/ Industrial Visit/ Field Tour	---	25	25	--	1	**--**	1
HCP2.1	Statistical Data Analysis Using MS-Excel/ SPSS	35	15	50	--	**--**	06	2

HCP2.2	Statistical Data Analysis Using R	35	15	50	--	--	06	2
HCP2.3	Statistical Data Analysis Using Minitab/Matlab	35	15	50	--	--	06	2
OEP2.1	Practicals based on OET	35	15	50	--	--	06	2
Total for Semester-II		**420**	**205**	**625**	**--**	**--**	**--**	**25**

L=Lecture T=Tutorials P=Practical IA=Internal Assessment HCT=Hard Core Theory
SCT=Soft Core Theory HCP=Hard Core Practical OET=Open Elective Theory
MP=Major Project OEP= Open Elective Practical

School of Earth Sciences

Background:

- M.Sc Applied Geology course was started in 1984 (in P.G. Centre of Shivaji University at Solapur)
- M.Sc Geoinformatics and M.Sc. Environmental Science Courses were started in 2008.
- Faculty has proven national credit by getting sanctioned R & D projects and consultancy.
- The laboratory facilities are worth praising.
- The museum has rare geological specimens collected during field seasons spread over two decades.
- The School has instituted Gold medal for first ranker in Geology and first ranker among girl students in Environmental Science.

Courses Offered:

The School of Earth Sciences cater the needs of students who wish to pursue higher education to obtain M.Sc., M.Phil and Ph.D. in the specializations given below:

Name of the Department	Name of the Course	Intake Capacity
Department of Applied Geology	M. Sc. Applied Geology	24
Department of Environmental Science	M.Sc. Environmental Science	24
Department of Geoinformatics	M.Sc. Geoinformatics	24

Optical Lab	Wet Chemical Lab
	

Sophisticated Instruments :

- Mineralogical, Petrological and Palaeontological microscopes
- Heating-Freezing Stage in Geotherometric Laboratory.
- Isodynamic separator.

- Instruments for groundwater exploration.
- Lab for environmental studies consisting of geophysical and geochemical infrastructures with related equipments
- Remote sensing & GIS laboratory.
- Multi-parameter Analysis Kit
- Signal Stacking Resistivity Meter
- Total station
- Ground Penetrating Radar System (GPRS)
- LCD Projectors and smart classroom facilities.
- State of art photographic equipment for field and laboratory studies.
- Multispectral Satellite data for the State of Maharashtra.
- Specialized software for various applications on GIS platform.

Study Tour:

A visit toWadia Institute of Himalayan

Geological Structure of Rock

Teaching Staff:

Sr.No.	Name	Designation
1.	Dr.R.B. Bhosale	I/c Director
2	Dr. V.P.Dhulap	Assistant Professor
3	Mr. S.P.Baviskar	Assistant Professor
4	Dr.D.D.Kulkarni	Assistant Professor

07 Assistant Professors on Contract Basis.

Research Facilities:

A) Major Areas of Research :

- Ore mineralogical and petrographic studies for Au, Ag, C, Pb, Zn and PGE minerals.
- Ground water exploration, management and modeling in hard rock areas with special reference to rainwater harvesting and artificial recharge.
- Geochemical exploration for base metals and Sn-W-Mo mineralization in South India.
- Fluid inclusion thermocryometry and genesis of ores, rocks and minerals.
- A temporal geophysical resistivity variation studies: A tool for earthquake prediction and disaster management.
- Development of geochemical tools for ground water exploration.

- Remote sensing studies and environmental management with special reference to west coast regions of India.
- Remote sensing for reclamation of degenerated soils and rehabilitation studies.
- Remote sensing studies for crop prediction and pest management.

B) Research Activities:

- Number of sponsored research projects completed: 06
- Ph.D : 22 Students Completed, 24 students working
- M.Phil : 06 Student completed

Job Avenue :

- Geological Survey of India, Central Groundwater Board.
- Groundwater Survey and Development Agency.
- Steel Authority of India Ltd
- Mining Industries, Coal India Ltd., Kolar Gold Field, Hutti, Balodota mines.
- National Mineral Development Corporation, Mineral Exploration Corp. Ltd.
- Oil and Natural Gas Commission, Oil India.
- Maharashtra Association of Cultivation Science.
- Irrigation Department, Directorate of Geology & Mines.
- Bharat Aluminium Co.NALCO.
- National Institute of Oceanography.
- Hindustan Copper Ltd., Hindustan-Zinc Ltd., ACC, Phosporite Ltd.
- Atomic Mineral Development

Guest Lecture by Prof.K.S. Valdiya (Padam Bhushan Award Winner)

M.Sc. Applied Geology

Sem		Title of The Paper	Semester Exam			L	T	P	Credit
First	Code	Hard Core	Theory	IA	Total				
AGT	HCT1.1	Mineralogy and Optics (3:1)	70	30	100	4			4
	HCT1.2	Geochemistry	70	30	100	4			4
	HCT1.3	Sedimentology and Palaeontology (2:2)	70	30	100	4			4
		Soft Core (any One)							
	SCT1.1	Economic Geology	70	30	100	4			4
	SCT1.2	Structural Geology and Morphotectonics (2:2)	70	30	100	4			
		Practical (Hard Core)							
	HCP1.1	Practical HCP1.1	35	15	50			2	6
	HCP1.2	Practical HCP1.2	35	15	50			2	
	HCP1.3	Practical HCP1.3	35	15	50			2	
		Soft Core (Any One)							
	SCP1.1	Practical SCP1.1	35	15	50			2	2
	SCP1.2	Practical SCP1.2	35	15	50			2	
		Soft skill ICT, Scientific English, Tutorial			25		0 1		1
		Total for First Semester	420	180	625				25
Second	**Code**	**Hard Core**	**Theory**	**IA**	**Total**				
AGT	HCT2.1	Igneous and Metamorphic	70	30	100	4			4

		Petrology (2:2)							
	HCT2.2	Indian Stratigraphy	70	30	100	4			4
		Soft Core (any One)							
	SCT2.1	Hydrogeology	70	30	100	4			4
	SCT2.2	Geotechnical Engineering	70	30	100	4			
		Open Elective (Any One)							
	OET2.1	Natural Resource Management	70	30	100	4			4
	OET2.2	Watershed Management	70	30	100	4			
		Practical (Hard Core)							
	HCP2.1	Practical HCP2.1	35	15	50			2	4
	HCP2.2	Practical HCP2.2	35	15	50			2	
		Practical (Soft Core) (any one)							
	SCP2.1	Practical SCP2.1	35	15	50			2	2
	SCP2.2	Practical SCP2.2	35	15	50			2	
		Practical Open Elective(any one)							
	OEP2.1	Practical OEP2.1	35	15	50			2	2
	OEP2.2	Practical OEP2.2	35	15	50			2	
		Soft skill ICT, Scientific English Tour and Tour report , Tutorial			25		01		1
		Total for Second Semester	420	180	625				25
*Fieldwork of 15-21 days is compulsory. The field work may be stretch or divided into parts in the academic year									
Third	**Code**	**Hard Core**	**Theory**	**IA**	**Total**				
AGT	HCT3.1	Mineral Exploration	70	30	100	4			4
	HCT3.2	Geotectonic and Physical Oeceanography	70	30	100	4			4
		Soft Core (any One)							
	SCT3.1	Engineering Geology and Mining Geology (2:2)	70	30	100	4			4
	SCT3.2	Climatology & Planetary Science	70	30	100	4			
		Open Elective (Any One)							
	OET3.1	Research Methodology	70	30	100	4			4
	OET3.2	Geoarchaeology	70	30	100	4			
		Practical (Hard Core)							
	HCP3.1	Practical HCP3.1	35	15	50			2	4
	HCP3.2	Practical HCP3.2	35	15	50			2	
		Practical (Soft Core) (any one)							
	SCP3.1	Practical SCP3.1	35	15	50			2	2
	SCP3.2	Practical SCP3.2	35	15	50			2	
		Practical Open Elective(any one)							
	OEP3.1	Practical OEP3.1	35	15	50			2	2
	OEP3.2	Practical OEP3.2	35	15	50			2	
		Soft skill ICT, Scientific English, Tutorial			25		01		1
		Total for Third Semester	420	180	625				25
Fourth	**Code**	**Hard Core**	**Theory**	**IA**	**Total**				
AGT	HCT4.1	Environmental Geology and Disaster Management (2:2)	70	30	100	4			4
	HCT4.2	Remote Sensing and GIS	70	30	100	4			4
	HCT4.3	Fuel Geology	70	30	100	4			4
		Soft Core (any One)							
	SCT4.1	Dissertation	70	30	100	4			4
	SCT4.2	Gemmology	70	30	100	4			
		Practical (Hard Core)							
	HCP4.1	Practical HCP4.1	35	15	50			2	6
	HCP4.2	Practical HCP4.2	35	15	50			2	
	HCP4.3	Practical HCP4.3	35	15	50			2	
		Soft Core (Any One)							
	SCP4.1	Practical SCP4.1	35	15	50			2	2
	SCP4.2	Practical SCP4.2	35	15	50			2	
		Soft skill ICT, Scientific English Tour and Tour report , Tutorial			25		01		1
		Total for Fourth Semester	420	180	625				25
*Fieldwork of 15-21 days is compulsory. The fieldwork may be stretch or divided into parts in the academic year,									

M.Sc. Environmental Science

Sem		TITLE OF THE PAPER	Semester Exam			L	T	P	Credit
First	**Code**	**Hard Core**	**Theory**	**IA**	**Total**				
EST	HCT1.1	Fundamentals of Environment	70	30	100	4			4
	HCT1.2	Environmental chemistry	70	30	100	4			4
	HCT1.3	Computer Applications	70	30	100	4			4
		Soft Core (any One)							
	SCT1.1	Introduction to Geo-science	70	30	100	4			4
	SCT1.2	Geomorphology	70	30	100	4			
		Practical (Hard Core)							
	HCP1.1	Practical HCP1.1	35	15	50			2	6
	HCP1.2	Practical HCP1.2	35	15	50			2	
	HCP1.3	Practical HCP1.3	35	15	50			2	
		Soft Core (Any One)							
	SCP1.1	Practical SCP1.1	35	15	50			2	2
	SCP1.2	Practical SCP1.2	35	15	50			2	
		Soft skill ICT, Scientific English, Tutorial			25		01		1
		Total for First Semester	420	180	625				25
Second	**Code**	**Hard Core**	**Theory**	**IA**	**Total**				
EST	HCT2.1	Biodiversity and Conservation	70	30	100	4			4
	HCT2.2	Water and wastewater Engineering	70	30	100	4			4
		Soft Core (any One)							
	SCT2.1	Remote sensing and GIS in Environmental science	70	30	100	4			4
	SCT2.2	Hydrogeology	70	30	100	4			
		Open Elective (Any One)							
	OET2.1	Analytical techniques and instrumentation	70	30	100	4			4
	OET2.2	Oceanography and marine biology	70	30	100	4			
		Practical (Hard Core)							
	HCP2.1	Practical HCP2.1	35	15	50			2	4
	HCP2.2	Practical HCP2.2	35	15	50			2	
		Practical (Soft Core) (any one)							
	SCP2.1	Practical SCP2.1	35	15	50			2	2
	SCP2.2	Practical SCP2.2	35	15	50			2	
		Practical Open Elective(any one)							
	OEP2.1	Practical OEP2.1	35	15	50			2	2
	OEP2.2	Practical OEP2.2	35	15	50			2	
		Soft skill ICT, Scientific English Tour and Tour report , Tutorial			25		01		1
		Total for Second Semester	420	180	625				25
*Fieldwork of 10-15 days is compulsory. The field work may be stretch or divided into parts in the academic year									
Third	**Code**	**Hard Core**	**Theory**	**IA**	**Total**				
EST	HCT3.1	Environmental pollution	70	30	100	4			4
	HCT3.2	Environmental biotechnology	70	30	100	4			4
		Soft Core (any One)							
	SCT3.1	Environmental statistics	70	30	100	4			4
	SCT3.2	Digital image processing	70	30	100	4			
		Open Elective (Any One)							
	OET3.1	Research methodology	70	30	100	4			4
	OET3.2	Meteorology	70	30	100	4			
		Practical (Hard Core)							
	HCP3.1	Practical HCP3.1	35	15	50			2	4
	HCP3.2	Practical HCP3.2	35	15	50			2	
		Practical (Soft Core) (any one)							
	SCP3.1	Practical SCP3.1	35	15	50			2	2
	SCP3.2	Practical SCP3.2	35	15	50			2	

		Practical Open Elective(any one)							
	OEP3.1	Practical OEP3.1	35	15	50			2	2
	OEP3.2	Practical OEP3.2	35	15	50			2	
		Soft skill ICT, Scientific English, Tutorial			25		01		1
		Total for Third Semester	420	180	625				25
Fourth	**Code**	**Hard Core**	**Theory**	**IA**	**Total**				
EST	HCT4.1	Environmental policy, acts, Laws and environmental Management system	70	30	100	4			4
	HCT4.2	Environmental toxicology and Safety	70	30	100	4			4
	HCT4.3	Environmental Impact Assessment and Environmental Audit	70	30	100	4			4
		Soft Core (any One)							
	SCT4.1	Dissertation	70	30	100	4			4
	SCT4.2	Environmental geology and Disaster Management	70	30	100	4			
		Practical (Hard Core)							
	HCP4.1	Practical HCP4.1	35	15	50			2	6
	HCP4.2	Practical HCP4.2	35	15	50			2	
	HCP4.3	Practical HCP4.3	35	15	50			2	
		Soft Core (Any One)							
	SCP4.1	Practical SCP4.1	35	15	50			2	2
	SCP4.2	Practical SCP4.2	35	15	50			2	
		Soft skill ICT, Scientific English Tour and Tour report , Tutorial			25		01		1
		Total for Fourth Semester	420	180	625				25
*Fieldwork of 10-15 days is compulsory. The fieldwork may be stretch or divided into parts in the academic year,									

M.Sc Geoinformatics

Sem		**TITLE OF THE PAPER**	**Semester Exam**			**L**	**T**	**P**	**Credit**
First	**Code**	**Hard Core**	**Theory**	**IA**	**Total**				
GIT	HCT1.1	Introduction To Geography (3:1)	70	30	100	4			4
	HCT1.2	Introduction To Geology	70	30	100	4			4
	HCT1.3	Geomorphology (2:2)	70	30	100	4			4
		Soft Core (Any One)							
	SCT1.1	Computer Application In Earth Sciences	70	30	100	4			4
	SCT1.2	Ocean Sciences (2:2)	70	30	100	4			
		Practical (Hard Core)							
	HCP1.1	Practical HCP1.1	35	15	50			2	6
	HCP1.2	Practical HCP1.2	35	15	50			2	
	HCP1.3	Practical HCP1.3	35	15	50			2	
		Soft Core (Any One)							
	SCP1.1	Practical SCP1.1	35	15	50			2	2
	SCP1.2	Practical SCP1.2	35	15	50			2	
		Soft Skill ICT, Scientific English, Tutorial			25		01		1
		Total For First Semester	420	180	625				25
Second	**Code**	**Hard Core**	**Theory**	**IA**	**Total**				
GIT	HCT2.1	Introductions To Remote Sensing (2:2)	70	30	100	4			4
	HCT2.2	Introduction To GIS And GPS	70	30	100	4			4
		Soft Core (Any One)							
	SCT2.1	Digital Image Processing	70	30	100	4			4
	SCT2.2	C++ Programming	70	30	100	4			

		Open Elective (Any One)							
	OET2.1	Climatology	70	30	100	4			4
	OET2.2	Cartography And Map Analysis	70	30	100	4			
		Practical (Hard Core)							
	HCP2.1	Practical HCP2.1	35	15	50			2	4
	HCP2.2	Practical HCP2.2	35	15	50			2	
		Practical (Soft Core) (Any One)							
	SCP2.1	Practical SCP2.1	35	15	50			2	2
	SCP2.2	Practical SCP2.2	35	15	50			2	
		Practical Open Elective(Any One)							
	OEP2.1	Practical OEP2.1	35	15	50			2	2
	OEP2.2	Practical OEP2.2	35	15	50			2	
		Soft Skill ICT, Scientific English Tour And Tour Report , Tutorial			25		01		1
		Total For Second Semester	420	180	625				25
*Fieldwork Of 15-21 Days Is Compulsory. The Field Work May Be Stretch Or Divided Into Parts In The Academic Year									
Third	**Code**	**Hard Core**	**Theory**	**IA**	**Total**	**L**	**T**	**P**	**Credit**
GIT	HCT3.1	Spatial Analysis	70	30	100	4			4
	HCT3.2	Advanced Techniques In Remote Sensing	70	30	100	4			4
		Soft Core (Any One)							
	SCT3.1	Advanced Techniques In GIS (2:2)	70	30	100	4			4
	SCT3.2	Atmospheric And Planetary Sciences	70	30	100	4			
		Open Elective (Any One)							
	OET3.1	Introduction to Statistical Methods	70	30	100	4			4
	OET3.2	Urban Geography	70	30	100	4			
		Practical (Hard Core)							
	HCP3.1	Practical HCP3.1	35	15	50			2	4
	HCP3.2	Practical HCP3.2	35	15	50			2	
		Practical (Soft Core) (Any One)							
	SCP3.1	Practical SCP3.1	35	15	50			2	2
	SCP3.2	Practical SCP3.2	35	15	50			2	
		Practical Open Elective(Any One)							
	OEP3.1	Practical OEP3.1	35	15	50			2	2
	OEP3.2	Practical OEP3.2	35	15	50			2	
		Soft Skill ICT, Scientific English, Tutorial			25		01		1
		Total For Third Semester	420	180	625				25
Fourth	**Code**	**Hard Core**	**Theory**	**IA**	**Total**	**L**	**T**	**P**	**Credit**
GIT	HCT4.1	Geoinformatics Approach For Natural Resource Management (2:2)	70	30	100	4			4
	HCT4.2	Applications of Rs & GIS In Disaster Management	70	30	100	4			4
	HCT4.3	Web GIS	70	30	100	4			4
		Soft Core (Any One)							
	SCT4.1	Dissertation	70	30	100	4			4
	SCT4.2	Applications of Rs & GIS in Land Evaluation	70	30	100	4			
		Practical (Hard Core)							
	HCP4.1	Practical HCP4.1	35	15	50			2	6
	HCP4.2	Practical HCP4.2	35	15	50			2	

	HCP4.3	Practical HCP4.3	35	15	50			2	
		Soft Core (Any One)							
	SCP4.1	Practical SCP4.1	35	15	50			2	2
	SCP4.2	Practical SCP4.2	35	15	50			2	
		Soft Skill ICT, Scientific English Tour And Tour Report , Tutorial			25		01		1
		Total for Fourth Semester	420	180	625				25
*Fieldwork of 15-21 days is compulsory. The fieldwork may be stretch or divided into parts in the academic year,									

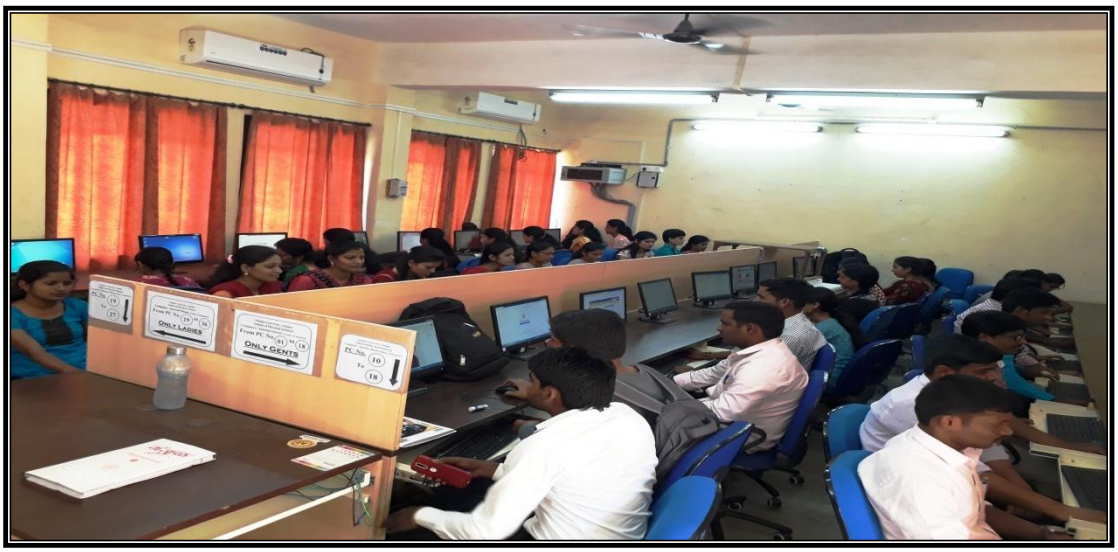
School of Physical Sciences

Back ground:

- M. Sc. Physics (Applied Electronics) course was started in 1984
- M. Sc. Electronic Science course was started in 1997.
- M. Sc. Physics (Materials Science) course was started in 2009.
- M.Sc. Physics (Condensed Matter Physics) will carrmenle fram June 2019.
- Separate building for above department admeasuring about 10,000 sq. ft. built-up area.
- Well furnished classrooms, well equipped laboratories and seminar halls, etc.

Sophisticated and Scientific Instruments:

• Impedance Analyzer. (Precision Wayne Kerr, USA), (CH Instruments Auto Lab, The Netherlands.) • Electrochemical Workstation. • Spectroelectrochemical Multiplexer with EQCM. • Simple Spray Pyrolysis Unit. • Ultrasonic Spray Pyrolysis Unit. • Programmable Electrometer. • Spin Coating Unit. • Vacuum Coating and E-Beam Evaporation Setup. • SHIMADZU UV Spectrophotometer. • Hysteresis Loop Tracer. • Tektronix Storage Oscilloscope. • Programmable Furnaces. • HP-LCR-Q 4284 A Meter. • Various Communication and Instrumentation Trainer Kits.	• E-Learning Class Rooms. • Microwave Test Bench. • HP- 6½ Digital Multimeter. • Nano Fiber Electrospinning Unit. • MATLAB 2013a & LabVIEW 2014 • Physical Vapour Deposition. • Photo Reactor System. • Suscetibility Unit. • Thermo Electric Power Setup. • Electrical Conductivity Measurement Unit. • Geiger Counting System. • UV Visible Photospectrometer. • Stylus Surface Profilometer. • BET Surface Analyzer.



Embedded Development Kits:

8051, AVR, PIC , MSP430 ,ARM development boards, Arduino Uno development boards, Raspberry Pie board,

Trainer Kits:

NV5000 8051 trainer kit, Wellon universal programmer

- **VLSI Design boards:**
  - Spartan 3E Starter Kit, CPLD, FPGA Boards
- **Communication Lab:**
  - Microwave Test Bench,GPS trainer Kit, GSM trainer kit, CDMA trainer Kit,
  - Antenna trainer kit ,Optical Fiber trainer kit
- **Analog Modulation Kits:**
  - AM,FM trainer kit
- **Digital Modulation Kits:**
  - TDM,PCM,ASK,PSK,FSK,QPSK,BPSK trainer Kits, etc.
- **Antena Design Software:**
  - CST
- **Wireless Sensor Network Lab**
  - Texas Instruments CC2530 Zigbee Development Kit
  - XBee –Pro modules, 8 X –Bee S_2 module.
  - Gas Sensing and Fruits /Vegetables tasting facilities

- **Virtual Instrumentation**
  - NI my DAQ
  - NI USB 60009

Courses Offered:

The School of Physical Sciences covers the need of students who wish to pursue higher education to obtain M. Sc., M. Phil, and Ph. D. in the specializations listed below -

Sr. No.	Name of the Department	Name of the Course	Intake capacity
1.	Department of Physics (Applied Electronics)	M. Sc. Physics (Applied Electronics)	30
2.	Department of Electronic Science	M.Sc. Electronic Science	30
3.	Department of Physics (Materials Science)	M.Sc. Physics (Materials Science)	30
4.	Department of Physics (Condensed Matter Physics)	M.Sc Physics (Condensed Matter Physics)	20

Teaching Staff :

- The members of the teaching faculty are actively engaged in the research.
- Have guided more than 64 Ph.D. and 22 M. Phil students.

Sr. No.	Name	Designation
1.	Prof. S. S. Suryavanshi	Professor and Director
2.	Prof. V.B. Patil	Professor and Head
3.	Prof. B. J. Lokhande	Professor and Head

08 Assistant Professors on Contract Basis

Visiting / Contributory Faculty: Eminent Professors from National Institutes and Universities are invited to enrich the academic perspective of the students. Also contributory teachers from local colleges / institutions are invited to deliver a few guest lectures related to the course content / recent advances.

Research Facilities:

A) Major Areas of Research:

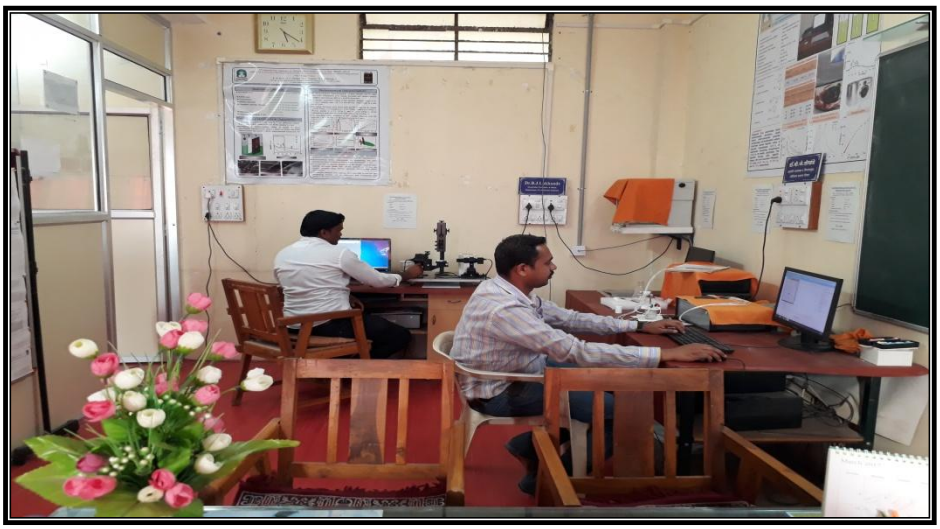
- Thin Film Physics and Photovoltaics, Optoelectronics, Sensors and detectors, Nanomaterials, DMS. WSN & ANN

- Synthesis and characterization of magnetic and ceramic materials, Synthesis and characterization of Gas Sensing materials

- Inorganic-Organic Nanomaterials, Gas Sensors
- Synthesis and Characterization of Oxide thin films, Supercapacitors.

B) Research Activities:

- Number of sponsored research projects: 08
- M. Phil : 22 students completed
- Ph. D.: 64 students completed.



Course Structure:

M. Sc. Physics (Applied Electronics):

Semester – I		Semester – II	
Paper Code	**Paper Title**	**Paper Code**	**Paper Title**
	Hard core		**Hard core**
HCT1.1	Mathematical Techniques	**HCT2.1**	Quantum Mechanics
HCT1.2	Condensed Matter Physics	**HCT2.2**	Electrodynamics
HCT1.3	Analog & Digital Electronics		**Soft core (Any one)**
	Soft Core (Any one)	**SCT2.1**	Microprocessors & Microcontrollers
SCT1.1	Classical Mechanics	**SCT2.2**	Statistical Mechanics
SCT1.2	Fundamentals of Nanoelectronics		**Open elective (Any one)**
	Tutorial	**OET2.1**	Elements of Electronics
	Practical	**OET2.2**	Electronic Instrumentation
		HCT/P2.3	Communicate in English Confidently
HCT 1.1	Practical HCP 1.1		**Tutorial**
HCP1.2	Practical HCP 1.2		**Practical**
HCP1.3	Practical HCP 1.3	**HCP 2.1**	Practical HCP 2.1
	Soft core (Any one)	**HCP2.2**	Practical HCP 2.2
SCP1.1	Practical SCP1.1		**Soft core (Any one)**
SCP1.2	Practical SCP1.2	**SCP2.1**	Practical SCP2.1
		SCP2.2	Practical SCP2.2
			Open elective (Any one)
		OEP2.1	Practical OEP2.1
		OEP2.2	Practical OEP2.2
Semester – III		**Semester – IV**	
	Hard core		**Hard core**
HCT3.1	Semiconductor Devices	**HCT4.1**	Microelectronics
HCT3.2	Atomic, Molecular & Nuclear Physics	**HCT4.2**	Microwave Devices & Circuits
	Soft core (Any one)	**HCT 4.3**	Microprocessors & Interfacing
SCT3.1	Communication System		**Soft core (Any one)**
SCT3.2	Biomedical Instrumentation	**SCT4.1**	Instrumentation
	Tutorial	**SCT4.2**	Fiber Optic Communications
	Open elective (Any one)		**Tutorial**
OET3.1	Energy Harvesting Devices	**MP4.3**	Major Project
OET3.2	Introduction to MATLAB & LabVIEW		**Total for four semester**
HCT/P 3.3	Technical English Communication Skills		
	Practical		
HCP 3.1	Practical HCP 3.1		
HCP3.2	Practical HCP 3.2		
SCP 3.1	Practical SCP 3.1		
	Open elective (Any one)		
OEP3.1	Practical OEP3.1		
OEP3.2	Practical OEP3.2		

M. Sc - Electronic Science:

Semester – I		Semester – II	
Paper Code	**Paper Title**	**Paper Code**	**Paper Title**
	Hard core		**Hard core**
HCT1.1	Semiconductor Devices	**HCT2.1**	Control Systems
HCT1.2	Network Analysis and Synthesis	**HCT2.2**	Digital Electronics and VHDL
HCT1.3	Communication Systems		**Soft core (Any one)**
		SCT2.1	PIC Microcontroller
	Soft Core (Any one)	**SCT2.2**	Foundation of Nanoelectronics
SCT1.1	Microcontrollers and Interfacing		**Open elective (Any one)**
SCT1.2	Electromagnetic and Antennas	**OET2.1**	Fundamentals of Electronics
		OET2.2	Power Supplies
	Practical	**HCT/P2.3**	Communicate in English Confidently
HCT 1.1	Practical HCP 1.1		**Practical**
HCP1.2	Practical HCP 1.2	**HCP 2.1**	Practical HCP 2.1
HCP1.3	Practical HCP 1.3	**HCP2.2**	Practical HCP 2.2
			Soft core (Any one)
	Soft core (Any one)	**SCP1.1**	Practical SCP2.1
SCP1.1	Practical SCP1.1	**SCP1.2**	Practical SCP2.2
SCP1.2	Practical SCP1.2		**Open elective (Any one)**
		OEP2.1	Practical OEP2.1
		OEP2.2	Practical OEP2.2
Semester – III		**Semester – IV**	
	Hard core		**Hard core**
HCT3.1	Digital Signal Processing	**HCT4.1**	Optical Fiber Communication
HCT3.2	Microwave Electronics and Applications	**HCT4.2**	Power Electronics
	Soft core (Any one)	**HCT 4.3**	Advanced microcontroller
SCT3.1	Data Communication and Networking		
SCT3.2	RTOS		**Soft core (Any one)**
	Open elective (Any one)	**SCT4.1**	Satellite Communication
OET3.1	Antenna & Wave Propagation	**SCT4.2**	VLSI Design
OET3.2	Communication & Digital Electronics		
HCT/P3.3	Technical English Communication Skills	**MP4.3**	Major Project
	Practical		
HCP 3.1	Practical HCP 3.1		
HCP3.2	Practical HCP 3.2		

SCP 3.1	Practical SCP 3.1		
	Open elective (Any one)		
OEP3.1	Practical OEP3.1		
OEP3.2	Practical OEP3.2		

M. Sc. Physics (Materials Science):

Semester – I		**Semester – II**	
Paper Code	**Paper Title**	**Paper Code**	**Paper Title**
	Hard core		**Hard core**
HCT1.1	Mathematical Techniques	**HCT2.1**	Quantum Mechanics
HCT1.2	Condensed Matter Physics	**HCT2.2**	Electrodynamics
HCT1.3	Analog& Digital Electronics		**Soft core (Any one)**
	Soft Core (Any one)	**SCT2.1**	Analytical Techniques
SCT1.1	Classical Mechanics	**SCT2.2**	Statistical Mechanics
SCT1.2	Elements of Materials Science		**Open elective (Any one)**
	Tutorial	**OET2.1**	Nanomaterials: Synthesis, Properties And Applications
	Practical	**OET2.2**	Conventional & Non conventional Energy
		HCT/P2.3	Communicate in English Confidently
HCP 1.1	Practical HCP 1.1		**Tutorial**
HCP1.2	Practical HCP 1.2		**Practical**
HCP1.3	Practical HCP 1.3	**HCP 2.1**	Practical HCP 2.1
	Soft core (Any one)	**HCP2.2**	Practical HCP 2.2
SCP1.1	Practical SCP1.1		**Soft core (Any one)**
SCP1.2	Practical SCP1.2	**SCP1.1**	Practical SCP2.1
		SCP1.2	Practical SCP2.2
			Open elective (Any one)
		OEP2.1	Practical OEP2.1
		OEP2.2	Practical OEP2.2
Semester - III		**Semester – IV**	
	Hard core		**Hard core**
HCT3.1	Semiconductor Devices	**HCT4.1**	Microelectronics
HCT3.2	Atomic, Molecular & Nuclear Physics	**HCT4.2**	Physics of Nano Materials
	Soft core (Any one)	**HCT 4.3**	Magnetic Materials
SCT3.1	Dielectric & Ferroelectric Properties of Materials		**Soft core (Any one)**
SCT3.2	Materials Processing	**SCT4.1**	Advanced Techniques of Materials Characterization
SCT3.3	Materials Characterization	**SCT4.2**	Polymer Science &Technology
	Open elective (Any one)		**Tutorial**
OET3.1	Introduction to Nanoscience	**MP4.3**	Major Project
OET3.2	Nuclear Radiations & Effects		
HCT/P3.3	Technical English Communication Skill		
	Tutorial		
	Practical		
HCP 3.1	Practical HCP 3.1		
HCP3.2	Practical HCP 3.2		
SCP 3.1	Practical SCP 3.1		
	Open elective (Any one)		
OEP3.1	Practical OEP3.1		
OEP3.2	Practical OEP3.2		

School of Social Sciences

Background :

Keeping in view the reforms in higher education that are pervading the country especially, in the context of globalization, the School of Social Sciences offers interdisciplinary learning. Unlike the conventional teaching, the School emphasizes for the transformation of personality of the students in addition to curricular teaching. The School intends to engage social sciences to understand and interpret social processes and suggests appropriate policy interventions. To meet this objective, the School adopts innovative teaching methods, which involve strong theoretical orientation supported by skill development and practical application. Workshops, seminars, debates and group discussions are the regular features of students' learning. Fieldwork and Practical as integral parts of the curriculum.The courses offered under the aegis of the School include.

Department of AIHC and Archaeology :

The Department of History and Archaeology offers M.A. course in History and Archaeology since 1998. The objective of this course is to educate and make the students familiar with Ancient Indian Heritage, Ancient, Culture, History and Archaeological sites and monuments. The Department has taken up Archaeological Excavations in Solapur district. The Department had excavated ancient sites of Wakav in Madha taluka (2012-

13); Karkal, South Solapur. The students had taken part in Shirur (2012) and Ter (2015) excavation programs. The department also conducts the training programs in excavation and the skills related to 'Display and Conservation' of museum antiquities. The successful students of the Department have ample career opportunities in teaching and research, tourism industry, government funded museums, Archaeological Survey of India and State Archaeology department. The Department has the privilege of receiving the Rajiv Gandhi National Research fellowship, I C H R and other government Scholarships. Two students had selected for Diploma course in Archaeology, ASI, New Delhi. Four students qualified the NET and SET examination. Four students have been awarded Ph. D degree from the Department in 2014-15. Two students are qualified as an Assistant Archaeologist in Archaeological Survey of India & Maharashtra State Archeology. Three students are selected as a Curator of Museum in various museums.

Department of Mass Communication :

The expansion of mass media and communication in the country has created an unprecedented demand for media professionals. To meet the growing needs of media industry and the demand for skilled manpower, Department of Mass Communication has introduced two- year M.A. course in Mass Communication from the academic year 2009-10. The main objective of this course is to enable students to acquire technical skills and writing and communication skills required for media professionals. The Department has well equipped Media Lab to train students in News paper, Radio, T.V. and Social Media journalism. Over the past 10 years this department is proactively engaged in various activities and research. This department has produced successful students who are well placed in media organizations in the state and outside. Department has organized one National Seminar and nine State Level Seminars for students.

Department of Rural Development :

The School has introduced two-year M. A. program in Rural Development since the 2009-10. The Government of India has allocated massive budget under various flagship programs to promote development in the rural areas. In the context of Millennium Development Goals initiated by the United Nations and the forces of globalization, the rural society is set to undergo rapid transformation. There is a huge demand for trained personnel to plan and manage rural development activities in the country. The objectives of the course are to: (i) Train the students with deeper academic skills in understanding and analyzing problems of rural society; (ii) Orient them in the areas of policy research, advocacy and documentation skills; and (iii) Build their capacities as planners and managers of rural development programs. The successful students will have career prospects in Government and Non-Governmental Organizations, Research Institutions, Corporate Sector and International Funding Agencies as planners, Administrators and Research and Documentation personnel. They can take up teaching career also. For the year 2013-14 four students got placement at Yashada, Pune.

Department of Economics :

The Department of Economics has started in 2009-10. The department offers two-year M. A. program in

Economics with specializations in Environmental Economics, Agriculture Economics, International Economics, Banking, Mathematical Economics and Quantitative Techniques with Computer Applications. The department emphasizes on applied research and the students are oriented in the application of concepts, tools and techniques in empirical research. The course curriculum is designed to facilitate the students to appear for NET and SET examinations and Public Service Commission and other competitive examinations. The successful students have bright career prospects in teaching, research and planning and find opportunities in Universities and Colleges, Research Institutions and Corporate Sector.

Intake capacity :

Sr. No.	Name of the Course	Intake capacity
1	M. A. AIHC and Archaeology	40
2	M. A. Economics	30
3	M. A. Rural Development	24
4	M. A. Mass Communication	30
5	Certificate Course in Share Market	20
6	Certificate Course in Agro Tourism	20

Teaching Staff :

Sr. No.	Name	Designation	Specialization
1.	Prof.Dr. G. S. Kamble	Professor and Director	Rural Development
2.	Dr. (Mrs.) M. J. Patil	Assistant Professor	AIHC and Archaeology
3.	Dr. R. B. Chincholkar	Assistant Professor	Journalism & Mass Communication
4.	Dr. P. G. Vhankade	Assistant Professor	Economics
5.	Dr. P. N. Kolekar	Assistant Professor	AIHC and Archaeology

On Contract : 06 Assistant Professors

Research Facilities :

Facilities available including sophisticated scientific instruments

- Well Furnished Classrooms with LCD projectors.
- Well-Equipped Computer labs with 20 computers having Internet and SPSS Software.
- Centralized and Departmental Library.
- Media Lab
- Archaeological Museum.
- Language Lab.
- Smart Classroom

Major Research Areas:

- Development Communication, Public Relations.
- Rural Studies, Social Sector, Agricultural Economics
- Archaeology, Philosophy and Religious Ideas in India. Ancient Art, Architecture & Iconography.
- Environmental Economics, Public Finance, Mathematical Economics etc.

Academic Activities :

- Dr. G. S. Kamble Research Project entitled A Study of Economic Analysis of Rural Poverty in Western Maharashtra funded by ICSSR, New Delhi is under progress.

- Department of Mass Communication participated in National level survey ASER during October, 2018. This survey was conducted in 30 villages and data was collected about status of primary Education in Solapur District.
- Explored the ancient sites in Narkhed, Dist-Solapur.
- Dr. R. B. Chincholkar, attended interface meeting of IMPRESS-ICSSR New Delhi for a research project entitled "Changing media, Changing Culture, Changing Society: Towards Participatory Development". He received sanction letter of ICSSR for grant-in-aid of Rs. 8,00,000/- for this research Project.
- Dr. Maya J. Patil Head, Department of A.I.H.C & Archaeology in collaboration with Deccan College Post Graduate & Research Institute, Pune has got RUSA Funding of 2 crore & 60 lakhs
- Department of A.I.H.C & Archaeology Project sanctioned by ICHR "Chronological Study & Documentation of Ter dist: Osmanabad" is in Progress.
- Department of Rural Development Project of "Ujani Water Dam- A Sustainability Approach" is in Progress.

Course Structure :

M. A. (AIHC & Archaeology) :

SEMESTER- I		**SEMESTER- II**	
Paper No.	**Title of Paper**	**Paper No.**	**Title of Paper**
AIHA	**Hard Core**	**AIHA**	**Hard Core**
HCT1.1	History of Ancient India up to 650 A.D.	HCT2.1	History of Ancient India (650 A.D. to 1200 A.D.)
HCT1.2	Ancient Indian Iconography	HCT2.2	Methods in Archaeology
		HCT/P	Communicate in English Confidently
HCT1.3	Pre history of South Asia		**Soft Core (Any One)**
	Soft Core (Any One)	SCT2.1	Protohistory of South Asia
SCT1.1	Introduction to Archaeology	SCT2.2	Historical Archaeology of India
SCT1.2	Ancient Indian Literature		**Open Elective (Any One)**
	Practical/ Field Work	OET2.1	Indian Tourism
HCP1.1	Practical/Field Work-I	OET2.2	Ancient Deccan
SCP1.2	Practical/ Field Work-II		**Practical/Field Work**
1	Tutorial	HCP2.1	Practical/ Field Work-I
		SCP2.2	Practical/ Field Work-II
		1	Tutorial
SEMESTER- III		**SEMESTER- IV**	
AIHA	**Hard Core**	**AIHA**	**Hard Core**
HCT3.1	Art and Architecture in Ancient India	HCT4.1	Rock cut & Temple Architecture in Ancient India
HCT3.2	Introduction to Ancient Indian Palaeography and Epigraphy- I	HCT4.2	Ancient Indian Palaeography and Epigraphy-II
HCT/P	Technical English Communication Skills.		
	Soft Core(Any One)	HCT4.3	Ancient Indian Numismatics
SCT3.1	Research Methodology in Archaeology		**Soft Core (Any One)**
SCT3.2	Ancient Societies	SCT4.1	Philosophy and Religious Ideas in Ancient India

	Open Elective (Any One)	SCT4.2	Greater India
OET3.1	Introduction to Museology		**Practical / Field Work**
OET3.2	Political Ideas and Institutions in Ancient India	HCP4.1	Practical /Field Work
	Practical/Field Work	HCD4.2	Dissertation
HCP3.1	Practical/ Field Work-I	1	Tutorial
SCP3.2	Practical/ Field Work-II		
1	Tutorial		

M. A. Economics

SEMESTER- I		**SEMESTER- II**	
Paper No.	**Title of Paper**	**Paper No.**	**Title of Paper**
Economics	**Hard Core Papers**	**Economics**	**Hard Core Papers**
HCT1.1	Micro Economic Analysis – I	HCT2.1	Micro Economic Analysis – II
HCT1.2	Quantitative Techniques for Economics – I	HCT2.2	Quantitative Techniques for Economics – II
		HCT/P	Communicate in English Confidently
HCT1.3	Agricultural Economics		**Soft Core /Elective Paper (Any One)**
	Soft Core /Elective Paper (Any One)	SCT2.1	Computer Applications in Economics
SCT1.1	Agri-Business	SCT2.2	Economics of Environment
SCT1.2	Demography		**Open Elective (Any One)**
	Practical/Field Work	OET2.1	Indian Economy
HCP1.1	Practical Work – QTE- I	OET2.2	Financial Markets and Institutions
SCP1.2	Practical/ Field Work – Applications		**Practical/Field Work**
1	**Tutorial**	HCP2.1	Practical Work – QTE-II
		SCP2.2	Practical/ Field Work – Applications
		1	**Tutorial**
SEMESTER- III		**SEMESTER- IV**	
Economics	**Hard Core Papers**	**Economics**	**Hard Core Papers**
HCT3.1	**Public Economics**	HCT4.1	*Monetary Economics*
HCT3.2	Macro Economic Analysis	HCT4.2	Economics of Growth and Development
HCT/P	Technical English Communication Skills.		
	Soft Core /Elective Paper (Any One)	HCT4.3	Mathematical Economics
SCT3.1	Research Methods in Economics		**Soft Core /Elective Paper (Any One)**
SCT3.2	Tax and Tax Consultancy	SCT4.1	Principle and Practice of Co-operation
	Open Elective (Any One)	SCT4.2	Economics of Industry and Labour
OET3.1	Human Development		**Practical / Field Work**
OET3.2	Economics of Transport	HCP4.1	Practical Work – Data Analysis
	Practical/Field Work	SCP4.2	Dissertation
HCP3.1	Practical/ Field Work – EXCEL	1	**Tutorial**
SCP3.2	Practical/ Field Work – SPSS		
1	**Tutorial**		

M. A. Mass Communication

SEMESTER- I		**SEMESTER- II**	
Paper No.	**Title of Paper**	**Paper No.**	**Title of Paper**
MC	**Hard Core Papers**	**MC**	**Hard Core Papers**
HCT1.1	Principles of Mass Communication	HCT2.1	Media Management
HCT1.2	Print Media	HCT2.2	Media Law and Ethics
		HCT/P	Communicate in English Confidently
HCT1.3	Reporting and Editing		**Soft Core Paper (Any One)**
	Soft Core Paper (Any One)	SCT2.1	Electronics Media (Radio and Television)
SCT1.1	Advertising and Public Relations	SCT2.2	New Media Application
SCT1.2	Rural and Agricultural Journalism		**Open Elective (Any One)**

	Practical / Field Work	OET2.1	Writing and Communication Skills
HCP1.1	Practical / Field Work 1	OET2.2	Environmental Communication
SCP1.2	Practical / Field Work 2		**Practical / Field Work**
1	**Internship / Tutorial**	HCP2.1	Practical / Field Work 1
		SCP2.2	Practical / Field Work 2
		1	**Internship / Tutorial**
SEMESTER- III		**SEMESTER- IV**	
MC	**Hard Core Papers**	**MC**	**Hard Core Papers**
HCT3.1	Communication Research	HCT4.1	Television Journalism and Production
HCT3.2	Development Communication	HCT4.2	Advertising and Social Marketing
HCT/P	Technical English Communication Skills.		
	Soft Core Paper (Any One)	HCT4.3	Corporate Communication and Event Management
SCT3.1	Radio Journalism and Production		**Soft Core Paper (Any One)**
SCT3.2	International Communication	SCT4.1	Online Journalism
	Open Elective (Any One)	SCT4.2	Women and Media
OET3.1	Film Studies		**Practical / Field Work**
OET3.2	Writing for Media	HCP4.1	Practical / Field Work 1
	Practical / Field Work	HCD4.2	Dissertation
HCP3.1	Practical / Field Work 1	1	**Internship / Tutorial**
SCP3.2	Practical / Field Work 2		
1	**Internship / Tutorial**		

M. A. in RURAL DEVELOPMENT

SEMESTER- I		**SEMESTER- II**	
Paper No.	**Title of Paper**	**Paper No.**	**Title of Paper**
RD	**Hard Core**	**RD**	**Hard Core**
HCT1.1	Rural Economy of India	HCT2.1	Political Economy of Development
HCT1.2	Quantitative Techniques	HCT2.2	Rural Development Programmes and Practices
		HCT/P	Communicate in English Confidently
HCT1.3	Rural Society in India		**Soft Core (Any One)**
	Soft Core (Any One)	SCT2.1	Computer Applications in Social Sciences
SCT1.1	Agri. Business	SCT2.2	Rural Institutions and Strategies
SCT1.2	Rural Development: Issues &Challenges		**Open Elective (Any One)**
	Practical/ Field Work	OET2.1	Social Marketing
HCP1.1	Practical/ Field Work –I	OET2.2	Writing, Communication Skills and Current Affairs
SCP1.2	Practical/ Field Work – II	OET2.3	**Future Sustainable Energy Challenges- Part – I (In Collaboration with FFRC, Finland)**
1	Tutorial		**Practical/Field Work**
		HCP2.1	Practical/ Field Work – I
		SCP2.2	Practical/ Field Work – II
		1	**Tutorial**
SEMESTER- III		**SEMESTER- IV**	
RD	**Hard Core**	**RD**	**Hard Core**
HCT3.1	Qualitative Research Methods	HCT4.1	Rural Non-Farm Sector and Entrepreneurship
HCT3.2	Sustainable Rural Livelihood	HCT4.2	Research Writing Skill
HCT/P	Technical English Communication Skills.		
	Soft Core (Any One)	HCT4.3	Resource Economics
SCT3.1	Research Methods in Social Sciences		**Soft Core (Any One)**
SCT3.2	Rural Marketing and Finance	SCT4.1	Human Rights and Development
	Open Elective (Any One)	SCT4.2	Rural Development Agencies and Administration
OET3.1	Human Development		**Practical/Field Work**

OET3.2	Social Dimensions of Marginalised communities.	HCI4.1	Internship
OET3.3	**Future Sustainable Energy Challenges – Part – II (In Collaboration with FFRC, Finland)**	HCD4.2	Dissertation
	Practical/Field Work	1	Tutorial
HCP3.1	Practical/ Field Work – I		
SCP3.2	Practical/ Field Work – II		
1	**Tutorial**		

Background:

The School of Commerce and Management was established in 2010 with a realization that all-round social transformation can be brought about through the spread of education. The School constantly endeavors to create propitious for learning by providing continuously updated courses and with the help of enriched infrastructural facilities such as well furnished classrooms, Computer lab, rich library and hostels. It is a gratifying experience to know that many students who have passed out from our school have established themselves very well in different walks of life.

Courses Offered:

Sr. No.	Name of the Course	Specialization	IntakeCapacity
1	M.Com.	Advanced Accountancy	60
2	M.Com.	Advanced Banking	30
3	M.B.A	M.B.A	60

Teaching Staff:

Sr. No	Name of the Faculty	Designation
1	Dr. M. J. Patil	I/c. Director

On Contract Basis : 04 Assistant Professor

Facilities:

- Hostel
- Career

- Departmental Library for Boys and Girls Development Program

- Placement Cell
- Banking Exam Preparation
- NET/ SET Exam Preparation
- Industrial Visit
- Special Guest Lectures
- E-Learning
- Computer Lab with Internet
- Learn and Earn Scheme
- Classrooms with LCD Projector

Academic and Extra Curricular Activities:

i. The School has offered "Future Sustainable Energy Challenges" a course as Open Elective in collaboration with the Finland Future Research Centre, University of Turku, Finland

ii. The School has been giving equal importance to community interaction activities, visit to manufacturing industrial, banks, and academic institutions.

iii. The School has organized Tally training program through which, student get accounting software operating knowledge. This will be very beneficial for future career point of view. Such drives are helpful for students to understand the latest trends and required skill for the profession.

iv. The School has organized campus interview in association with reputed Industries. The School has been organizing campus interviews for ICICI Bank, Kotak Mahindra Bank and DHFL every year. From the last three year there have 45 students were selected under this placement campaign.

v. Apart from the academic teaching, the School conducted various cultural activities viz. Welcome function, Traditional day, Teacher's day, Farewell Program, Yuva Spandan Activity, Alumni Meet etc.

Course Structure :

M.Com. :

Semester	Code	Title of the Paper	Semester Exam			L	T	P	Credits
			Theory	I A	Total				
M.Com.		**Hard Core**							
	HCT 1.1	Management Concepts	70	30	100	4	0	0	4
	HCT 1.2	Managerial Economics -I	70	30	100	4	0	0	4
	HCT 1.3	E-Commerce	70	30	100	4	0	0	4
		Soft Core (Any One)							
	SCT 1.1	Advanced Accountancy-I	70	30	100	4	0	0	4
	SCT 1.2	Advanced Banking-I	70	30	100	4	0	0	4
		Practical/ Field Work							
	HCP 1.1	Practical Work – HCT 1.3	70	30	100	0	0	4	4
	SCP 1.1	Practical/ Field Work- SCT 1.1/ 1.2	70	30	100	0	0	4	4
		Tutorial	00	25	25	0	1	0	1
		Total (First Semester)	**420**	**205**	**625**	**20**	**1**	**4**	**25**
M.Com.		**Hard Core**							
	HCT 2.1	Organisational Behaviour	70	30	100	4	0	0	4
	HCT 2.2	Managerial Economics -II	70	30	100	4	0	0	4
	HCT/P 2.3	Communicate in English Confidently	55	20	75	3	0	0	1
		Soft Core (Any One)							
	SCT 2.1	Advanced Accountancy-II	70	30	100	4	0	0	4
	SCT 2.2	Advanced Banking-II	70	30	100	4	0	0	4
		Open Elective (Any One)							
	OET 2.1	Accounting Practices	70	30	100	4	0	0	4
	OET 2.2	Entrepreneurship	70	30	100	4	0	0	4
		Practical/Field Work							
	HCP 2.1	Practical Work – HCT 2.1/ 2.2	70	30	100	0	0	4	4
	SCP 2.1	Practical/Field Work- SCT 2.1/ 2.2	70	30	100	0	0	4	4
		Tutorial	00	25	25	0	1	0	1
		Total (Second Semester)	**420**	**205**	**625**	**20**	**1**	**4**	**25**
M.Com.		**Hard Core**							
	HCT 3.1	Business Finance-I	70	30	100	4	0	0	4
	HCT 3.2	Management Accounting-I	70	30	100	4	0	0	4
	HCT/P3.3	Technical English Communication Skills	55	20	75	3	0	1	3
		Soft Core (Any One)							
	SCT 3.1	Advanced Accountancy-III	70	30	100	4	0	0	4
	SCT 3.2	Advanced Banking-III	70	30	100	4	0	0	4
		Open Elective (Any One)							
	OET 3.1	Final Account	70	30	100	4	0	0	4
	OET 3.2	Office Management	70	30	100	4	0	0	4
		Practical/Field Work							
	HCP 3.1	Practical Work – HCT 3.2	70	30	100	0	0	4	4
	SCP 3.1	PracticalWork- SCT 3.1/ 3.2	70	30	100	0	0	4	4
		Tutorial	00	25	25	0	1	0	1
		Total (Third Semester)	**420**	**205**	**625**	**20**	**1**	**4**	**25**
M.Com.		**Hard Core**							

	HCT 4.1	Business Finance-II	70	30	100	4	0	0	4
	HCT 4.2	Management Accounting-II	70	30	100	4	0	0	4
	HCT 4.3	International Business	70	30	100	4	0	0	4
		Soft Core (Any One)							
	SCT 4.1	Advanced Accountancy-IV	70	30	100	4	0	0	4
	SCT 4.2	Advanced Banking-IV	70	30	100	4	0	0	4
		Practical/Field Work							
	HCP 4.1	Practical Work- HCT 4.2	70	30	100	0	0	4	4
	MP 4.1	Major Project	70	30	100	0	0	4	4
		Tutorial	00	25	25	0	1	0	1
		Total (Fourth Semester)	**420**	**205**	**625**	**20**	**1**	**4**	**25**

4 Credits of Theory = 4 Hours of Teaching per Week
2 Credits of Practical = 4 hours per Week
L = Lecture T = Tutorials P = Practical IA= Internal Assessment
HCT Hard Core Theory SCT= Soft Core Theory
HCP= Hard Core Practical SCP=Soft Core Practical
OET= Open Elective Theory OEP= Open Elective Practical
MP= Major Project

School of Languages and Literature

Inaugural Ceremony School of Languages and Literature

Background:

Language is more than just a language-it is cultural transmitter. Language and communication are essential for close relationship between people for mutual understanding, social interaction and fruitful business contacts. Knowledge and passion for language and culture is bred into bones of language center. We believe that this knowledge and passion can contribute to strengthening the relationships between people and organization in an intercultural environment. It is ubiquitous, it presents everywhere in our thoughts, dreams, prayers, meditations, relations and communication. Besides, being a means of communication and storehouse of knowledge, it is an instrument of thinking as well as source of delight. By keeping in mind, the importance of language and vision of increasing employability of the students, the University has established School of Languages and Literature in the academic year 2018-2019. The five departments are working under the School of Languages and Literature viz. Sanskrit, Marathi, Urdu, Hindi and English. The major aim of the school is to develop communication skills which are important for the personality development and employability. It also aims to enhance the knowledge of literature. Moreover, the syllabus of the school emphasizes on the employability of the students by developing translation and other soft skills. In order to meet these aims effectively, the School adopts innovative teaching methods. Workshops, seminars, debates and group discussions are the regular features of students learning.

Vision of the School of Languages and Literature:

- The School of Languages and Literature at Punyashlok Ahilyadevi Holkar Solapur University Solapur seeks to promote the university's vision to facilitate the students with the world-class teaching-learning experiences of Language and Literature in order to enhance their employability and produce nationally committed human resource.
- The School envisions to participate in the process of making languages as a languages of new technologies, and to optimize their use in computer-based instruction systems.
- The school also envisions to develop excellent proficiency in Language and to inculcate an aesthetic sense to read literature in it's all the possible contexts.
- The school envisions conservation of the endangered languages like Sanskrit Hindi and Pali and to inspire young generations to acquire the fluency in endangered languages Communication and decrypt the ancient treatises for the benefit of mankind.
- The vision of the School is to preserve and promote the human values and aesthetic values, amidst consumerism, through teaching of culture, language and literature.

Missions:

- To sustain the cultural significance of language by developing the syllabi of contemporary significance and cultivate interest in the students of new-generation in the indigenous languages.
- To provide the high-quality curricula, innovative IT based pedagogy of higher education and cutting-edge research opportunities to contribute towards creation of benevolent and compassionate students of Language and Literature.
- The mission of the School is to facilitate the students with enriched teaching-learning experience in Language and Literature. Through its curriculum, the department attempts to provide the contemporariness to the language and literature studies and contribute in the project of sustaining in the language and maintain the cultural identity in the age of globalization and homogenization.
- The School through its curriculum facilitates the student with the opportunity of learning the ancient languages, Sanskrit and Pali to understand its literature in its proper cultural context.

❖ Department of Marathi

In the academic year 2018-2019 Marathi department has established on the University campus. It offers M.A. course as well as it is a research center for Ph.D. and M. Phil. courses.

In this way Marathi Department tries to study Marathi Language with various angles of contemporary significance. Moreover, the various books and reference books are made available in the Dnyanstrota Kendra of the University for the students. On the other hand, Marathi Department organizes seminars, workshops and conferences to introduce students with new areas of the research in Marathi language and literature.

Every year the Department also celebrates Marathi Bhasha Pandhrawada and Marathi Bhasha Gaurav Din, in order to contribute in the National objective of conservation and development of indigenous languages.

Goals:

- To provide the students with the opportunity of learning Marathi Literature and understand it in its social, political and cultural context.
- To facilitate the students with the primary and secondary resources in order to promote the advanced research in the area of language and literature.
- To enable students to use Marathi as an input for the Computer Based instruction systems

In order to achieve these goals, the syllabus focuses on the following subjects:

- Ancient and Modern Literary Tradition
- Marathi Language for Media
- Translation Studies

Academic Activities:

1. Marathi Bhasha Pandhrawada was celebrated during 1st January to 15th January, 2019 under which the guest lecturers of imminent scholar like Dr. Mahendra Kadam was organized on "New Dynamics of Marathi Language"; account opening on Wikipedia; essay writing competition.
2. On the 13th January 2019 Punyshlok Ahilyadevi Holkar Solapur University and Khadiman-e-Urdu forum had organized in collaboration one day workshop on Urdu, Hindi, and Marathi Gazal.
3. The department has celebrated Marathi Bhasha Gaurav Din on 27th February 2019.
4. The department had also organized one day workshop on NET & SET guidance for the aspirants on 25th March 2019

❖ Department of Hindi :

One Day Gajal Writing Workshop

One Day NET/SET Workshop

In the academic year 2018-2019 department of Hindi has established on the university campus. The department offers two years PG course in Hindi Language and Literature; and research degrees- Ph.D. and M.Phil.

Besides effective and resourceful curriculum, the department also provides training in translation and script writing for electronic media. The department always engages the workshop, seminars and conferences to make the students update with recent trends in the contemporary academics. The department also provides NET& SET guidance through organizing workshops and guest lecturers for the aspirants.

Goals:

- To increase the employability of the students by making them efficient in use of Hindi language.
- To enhance their knowledge of Hindi Literature and cultivate the value-added human resource with the social commitment
- To contribute in preservation and conservation of Hindi language by promoting the young researchers to undertake the research in this direction.

In order to enact with the vision, mission and goals the department offers following specializations.

- Hindi Literature
- Linguistics
- Hindi Language for Media
- Translation studies

Academic Activities:

1. On the 13th January 2019 Punyshlok Ahilyadevi Holkar Solapur University and Khadiman-e-Urdu forum had organized in collaboration one day workshop on Urdu, Hindi, and Marathi Gazal.
2. The department of Hindi had organized one day workshop on NET & SET guidance for the aspirants on 25th March 2019.

❖ Department of English:

One Day NET/SET Workshop

The school has introduced two-year M.A. course in English from the academic year 2018-2019. It also serves as an advanced research center that offers the research degrees of Ph.D and M.Phil.

The syllabus is designed in such a way that opens the new opportunities for the students. Besides the regular classes and practice sessions, the Department also organizes the workshops, seminars, conferences, symposia to make the students acquainted with the recent trends in the contemporary academics The Department has also emerged as a significant resource center that facilitates the students and researchers with the primary, secondary reference books along with e-content in the central library of the University.

Goals:

- To develop communication and related soft skills, which are the essential parts of the personality development and employability?
- To enhance the knowledge of the students in the area of English literature in order to cultivate the aesthetic values in them.
- To develop the skill of translation in order to make the students eligible to hold the designation of translator at different government and private institutes.
- To develop research aptitude in the students and encourage them to participate in the social-welfare-oriented research.

In order to implement these objectives, the Board of Studies of English Department has formed a syllabus that encompasses the following broad specializations:

- Literature in English
- Linguistics and English Language and Literature Teaching (ELLT)
- Comparative Literatures in English
- `Cultural Studies

Academic Activities:

1. On 26th March 2019 department had organized one day workshop on NET& SET guidance for the aspirants.

❖ Department of Sanskrit :

Department of Sanskrit has established in the university campus in the academic year 2018-2019. It offers two years PG. course in Sanskrit Language.

The department attempts to use modern pedagogy in teaching of Sanskrit and make it contemporary by adding the subjects like “Sanskrit for understanding of Ayurveda.” These actives not only sustain the ancient knowledge of India but also it increases the employability. The syllabus of the department is designed with the accordance of the syllabus of MPSC, UPSC and NET&SET examination. Linguistics, translation studies and Sanskrit Syntactic are the main areas of the study. The library of the university is well equipped with reference books and classics. Moreover the university provides digital classroom and well qualified lecturer for the students.

Goals:

- To facilitates the students with the enriched teaching-learning experience in Sanskrit Language
- To inspire the students to undertake the research in the area of Sanskrit Linguistics and Literature
- To contribute in conservation of Sanskrit language by producing the students with skill of effective Sanskrit communication

Academic Activities:

1. Sanskrit department had organized one day Workshop on Sanskrit Shityatil Vividh Vidya on 12th January 2019.
2. Department of Sanskrit had organized lecture series on the paper VII&VIII on 2nd February 2019. Lecture delivered by Reva Kulkarni, Assistant Professor at D.B.F. College of Science and Arts.
3. Sanskrit department had organized Sanskrit Samelan On 17th March 2019.
4. The department had organized one day workshop on NET & SET guidance on 25th March 2019.

❖ Department of Urdu:

One Day National Seminar

Gajal Gayan Workshop

The Department of Urdu has established in the university campus in the academic year 2018-2019. The department offers Two Years PG. course in Urdu Language and Literature along with the research degrees.

These specializations increase the possibility of sustaining the endangered language and also provide the opportunity of enhancing the employability of the students. Besides the enriched and resourceful syllabus, the department organizes the different programs and events that introduce the student with the Urdu Language and Literature.

Goals:

- To facilitate the students with the opportunity of learning of Urdu Language and literature in order to cultivate the aesthetic and human values.
- To inspire students to undertake the research in the area of Urdu Language and Literature in order to sustain the ancient language in the age of homogenized lingua franca.
- To sustain the cultural identity through the teaching of Urdu Literature.

In order to achieve these goals the department offers the following specialization:

- Urdu Linguistics
- Urdu Literature
- Cultural Studies
- Translation studies

Academic Activities:

1. The department had organized lecture series for the students with collaboration of Khadiman-e-Urdu Forum from 22 to 25 December 2018
2. The department had organized one day seminar in the memory of Ab. Raut Khushtar on Urdu Tanz-a-a Mizah Nigar. On the 13th december 2018.
3. On the 13th Januarry 2019 Punyshlok Ahilyadevi Holkar Solapur University and Khadiman-e-Urdu forum had organized in collaboration one day workshop on Urdu, Hindi, and Marathi Gazal.
4. The department also organized one day workshop on NET & SET guidance on 26th March 2019

Intake capacity:

Sr.No.	Name of the Courses	Intake capacity
1	M.A. Marathi	24
2	M.A. Hindi	24
3	M.A. English	24
4	M.A. Sanskrit	24
5	M.A. Urdu	24
6	M.A. Kannada	24
7	M.A. Pali	24

Teaching Staff:

Sr.No.	Name of the faculty	Designation	Specialization
1	I/C Dr. Prabhakar Kolekar	Director	History &Archaeology

On Contract Basis : 05 Assistant Professor

Research Facilities:

A) Facilities available including sophisticated scientific instruments:

- Well Furnished classrooms with LCD Projectors
- Well-Equipped Computer labs with 20 computers having Internet and SPSS software.
- Centralized and departmental library.
- Language Lab.
- Smart classroom

B) Major Research Areas:

- Language
- Literature
- Comparative literature
- Translation
- Cultural
- Art

M.A. (Marathi):

SEMESTER I		**SEMESTER II**	
Paper No.	Title of the Paper	Paper No.	Title of the Paper
MARA	Hard Core	MARA	Hard Core
HCT 1.1	मराठीभाला : संवादवउपयोजन	HCT 1.1	मराठीभाला : व्यवहारआणिकौशल्य्
HCT 1.2	साहित्य्विचार	HCT 1.2	साहित्य्समीक्षा
HCT 1.3	मराठीवाङमयाचाइतिहासइतिहासङइ. स. 1818ते 1920 ञ	HCT 1.3	मराठीवाङमयाचाइतिहासङइ. स. 1920 ते1960 ञ
HCT 1.4	लोकसाहित्य्	HCT 1.4	मराठीलोकसाहित्य्
	Soft Core (Any Two)		Soft Core (Any Two)
SCT 1.1	मध्ययुगीनवाङमयप्रवाह : महानुभाववसंतसाहित्य	SCT 1.1	मध्ययुगीनवाङमयप्रवाह : बखरवाङमयआणिष्षाहीरीवाङमय
SCT 1.2	भालांतरमीमांसा	SCT 1.2	एकासाहित्यप्रकाराचाअभ्यास : कादंबरी
SCT 1.3	एकासाहित्यप्रकाराचाअभ्यास : कादंबरी	SCT 1.3	भालिकआविल्कारुपे
SCT 1.4	वाङमयीनसंस्कृती	SCT 1.4	वाङमयीनसंस्कृती
SCT 1.5	भालिकआविल्कारुपे	SCT 1.5	विषेलसाहित्यकत्तीचाअभ्यास
SCT 1.6	वैचारिकसाहित्य	SCT 1.6	वैचारिकसाहित्य
	Practice		Open Elective (Any One)
HCP 1.1	माध्यमव्यवहारातीलमराठीलेखन	OET 2.1	आंतरभारतीयसाहित्याचाअभ्यास
SCP 1.2	हिंदी, मराठीअनुवादलेखन	OET 2.2	भालांतरीतसाहित्य
SCP 1.3	कथापटकथासंवादलेखन	OET 2.3	सत्जनषीललेखनाचेस्वरुप

SEMESTER III		**SEMESTER IV**	
Paper No.	Title of the Paper	Paper No.	Title of the Paper
MARA	Hard Core	MARA	Hard Core
HCT 3.1	मराठीभालिककौशल्य	HCT 4.1	मराठीभालिककौशल्य
HCT 3.2	भालाविज्ञान	HCT 4.2	मराठीचाभालावैज्ञानिकअभ्यास
HCT 3.3	आधुनिकमराठीवाङमयाचाइतिहासङइ.स. 1860 ते 1990 ञ	HCT 4.3	मराठीवाङमयाचाइतिहासङइ.स. 1990 ते 2010 ञ
HCT 3.4	मध्ययुगीनमराठीसाहित्याचीसांस्कृतिकपार्श्वभूमी	HCT 4.4	आधुनिकमराठीसाहित्याचीसांस्कृतिकपार्श्वभूमी
	Soft Core (Any Two)		Soft Core (Any Two)
SCT 3.1	प्रभावअभ्यास	SCT 4.1	प्रभावअभ्यास
SCT 3.2	समीक्षासिद्धांतआणिउपयोजन	SCT 4.2	मराठीसमीक्षावाटचाल
SCT 3.3	समाजभालाविज्ञान	SCT 4.3	समाजभालाविज्ञान
SCT 3.4	संस्कृतीअभ्यास	SCT 4.4	संस्कृतीअभ्यास
SCT 3.5	ग्रंथप्रकाशनआणिसंपादन	SCT 4.5	ग्रंथप्रकाशनआणिसंपादन
SCT 3.6	बोलीअभ्यास	SCT 4.6	बोलीअभ्यास
	Practice		Open Elective (Any One)
HCP 3.1	तौलनिकसाहित्याभ्यास	OET 4.1	मराठीभालासंवादकौशल्यप्रात्यक्षिक
SCP 3.2	ग्रंथइतिहास	OET 4.2	ग्रंथसंपादनकौशल्यप्रात्यक्षिक
SCP 3.3	विषलसाहित्यकत्तीचाअभ्यास	OET 4.3	लघुप्रबंध

M.A. (Hindi):

SEMESTER I		SEMESTER II	
Paper No.	Title of the Paper	Paper No.	Title of the Paper
HIN	Hard Core	HIN	Hard Core
HCT 1.1	भाषाविज्ञानएवंहिंदीभाषा	HCT 1.1	भाषाविज्ञानएवंहिंदीभाषा
HCT 1.2	प्रयोजनमूलकहिंदी	HCT 1.2	प्रयोजनमूलकहिंदी
HCT 1.3	कथासाहित्य	HCT 1.3	आधुनिककाव्य
HCT 1.4	प्राचीनएवंमध्ययुगीनकाव्य	HCT 1.4	तुलनात्मकअध्ययनसिद्धांतऔरप्रविधि
	Soft Core (Any Two)		Soft Core (Any Two)
SCT 1.1	विशेषरचनाकार : कवीर	SCT 1.1	भारतीयसाहित्य
SCT 1.2	विशेषरचनाकार : सुमित्रानंदनपंत	SCT 1.2	नाटकएवंरंगमंच
SCT 1.3	विशेषरचनाकार : धूमिल	SCT 1.3	दलितअस्मिताऔरहिंदीसाहित्य
SCT 1.4	साहित्यविमर्शसैद्धांतिकअध्ययन	SCT 1.4	स्त्रीअस्मिताऔरहिंदीसाहित्य
SCT 1.5	पत्रकारिता : मुद्रितमाध्यम	SCT 1.5	आदिवासीअस्मिताऔरहिंदीसाहित्य
SCT 1.6	दृक-श्राव्य : माध्यम	SCT 1.6	अनुवादसिद्धांतऔरप्रयोग
	Practical Work		Open Elective (Any One)
HCP 1.1	भाषिकभिन्नताप्रकल्प (1.1)	OET 2.1	भारतीयसाहित्य
SCP 1.2	सृजनात्मकलेखनपत्रकारिता (1.5)	OET 2.2	नाटकएवंरंगमंच
SCP 1.3	पटकथा / संवादलेखन (1.6)	OET 2.3	दलितअस्मिताऔरहिंदीसाहित्य

SEMESTER III		SEMESTER IV	
Paper No.	Title of the Paper	Paper No.	Title of the Paper
HIN	Hard Core	HIN	Hard Core
HCT 3.1	हिंदीसाहित्यकाइतिहास	HCT 4.1	हिंदीसाहित्यकाइतिहास
HCT 3.2	काव्यशास्त्रएवंसाहित्यालोचन	HCT 4.2	काव्यशास्त्रएवंसाहित्यालोचन
HCT 3.3	अनुसंधानप्रविधिऔरप्रक्रिया	HCT 4.3	आधुनिकहिंदीकविता
HCT 3.4	लोकसंस्कृतिऔरसाहितय	HCT 4.4	भारतीयसाहित्य
	Soft Core (Any Two)		Soft Core (Any Two)
SCT 3.1	भारतीयसाहित्य	SCT 4.1	बालसाहित्य
SCT 3.2	प्राचीनएवंमध्यकालीनकाव्य	SCT 4.2	कथेत्तरसाहित्य : निबंध, आलोचना
SCT 3.3	कथेत्तरसाहित्य : जीवनी, आत्मकथा	SCT 4.3	नाटक – एकांकीऔररंगमंच
SCT 3.4	साहित्यऔरसिनेमा	SCT 4.4	सोशलमीडियाऔरसाहित्य
SCT 3.5	नाटकऔरएकांकी	SCT 4.5	संगणकऔरहिंदी
SCT 3.6	संस्मरणऔररेखाचित्र	SCT 4.6	आलोचनासाहित्य
	Practice		Open Elective (Any One)
HCP 3.1	लघुनाटिकाऔरनुक्कडनाटक	OET 4.1	बालकथाप्रात्यिक्षिक
SCP 3.2	संस्मरणऔररेखाचित्र	OET 4.2	संगणकप्रात्यिक्षिक
SCP 3.3	यात्रासाहित्य	OET 4.3	लघुप्रबंध

M.A. (English) :

SEMESTER I		SEMESTER II	
Paper No.	**Title of the Paper**	**Paper No.**	**Title of the Paper**
ENG	Hard Core	ENG	Hard Core
HCT 1.1	Literature In English	HCT 1.1	Literature in English Novel
HCT 1.2	Introduction to language and linguistics (paperI)	HCT 1.2	Introduction to Language and Linguistics Paper II
HCT 1.3	Literature in English Poetry (Paper I)	HCT 1.3	Post-modern British Literature
HCT 1.4	Modern British Literature	HCT 1.4	Literature in English Poetry Paper II
	Soft Core (Any Two)		Soft Core (Any Two)
SCT 1.1	Indian English Literature	SCT 1.1	South Asian Literature
SCT 1.2	Applied Linguistics	SCT 1.2	Socio-linguistics
SCT 1.3	19th Century American Literature	SCT 1.3	20th century American Literature
SCT 1.4	Comparative Literatures in English Paper I	SCT 1.4	Comparative Literatures in English Paper II
SCT 1.5	English for Print media Paper I	SCT 1.5	English for Print media Paper II
SCT 1.6	Literature and culture: Comparative Perspective Paper I	SCT 1.6	Literature and culture: Comparative Perspective Paper II
	Practice		Open Elective (Any One)
HCP 1.1	Discourse analysis (1.2)	OET 2.1	English for Proposal Writing
SCP 1.2	Comparative Study of two literary works (1.6)	OET 2.2	Globalization in Literature Paper II
SCP 1.3	Stylistic analysis of poetry (1.2)	OET 2.3	Spoken English In office contact

SEMESTER III		SEMESTER IV	
Paper No.	Title of the Paper	Paper No.	Title of the Paper
ENG	Hard Core	ENG	Hard Core
HCT 3.1	Literature English Drama	HCT 4.1	Literature in English Drama
HCT 3.2	Modern Critical Theory Paper I	HCT 4.2	Modern Critical Theory Paper II
HCT 3.3	Literature in English Prose Paper I	HCT 4.3	Literature in English Prose
HCT 3.4	Research Methodologies	HCT 4.4	Diasporic British Literature
	Soft Core (Any Two)		Soft Core (Any Two)
SCT 3.1	Australian and Canadian Literature	SCT 4.1	African and Caribbean literature
SCT 3.2	Stylistics	SCT 4.2	English Language and Literature Teaching
SCT 3.3	Black and Native American Literature	SCT 4.3	Special Author: Eugene O' Neill
SCT 3.4	Translation studies paper I	SCT 4.4	Translation studies Paper II
SCT 3.5	English for Electronic Media Paper I	SCT 4.5	English and Electronic Media Paper II
SCT 3.6	Literature and Socio political contact paper I	SCT 4.6	Literature and socio political Contact Paper II
	Practice		Open Elective (Any One)
HCP 3.1	English for Creative Writing Paper I	OET 4.1	Translation of Short story Marathi to English
SCP 3.2	Human Values in English Poetry	OET 4.2	Dissertation
SCP 3.3	Language for Research	OET 4.3	Lesion plan

M.A. (Sanskrit) :

SEMESTER I		SEMESTER II	
Paper No.	**Title of the Paper**	**Paper No.**	**Title of the Paper**
SKT	Hard Core	SKT	Hard Core
HCT 1.1	वेदवाङ्मय (ईश, कठ, केन)	HCT 1.1	वेदांग - पणिनीयशिक्षा
HCT 1.2	पुराण - ब्रम्हपुराण	HCT 1.2	नाटक - मुद्राराक्षसम्
HCT 1.3	भारतीयदर्शनवेदांतपरिभाषा	HCT 1.3	संस्कृतसाहित्येविविधविद्या
HCT 1.4	वेदांतपरिभाषा	HCT 1.4	वैयाकरणसि. कौ. कारक
	Soft Core (Any Two)		Soft Core (Any Two)
SCT 1.1	आयुर्वेद	SCT 1.1	निरुक्तम् - 1,2 अभ्यास
SCT 1.2	साहित्य - वक्रोक्तिजीवितम्	SCT 1.2	साहित्य - गंगालहरी
SCT 1.3	न्यायशास्त्रम - न्यायबोधिनी	SCT 1.3	शांकरभाष्यचतु:सूत्री
SCT 1.4	योगदर्शनम् - प्रथमपाद:	SCT 1.4	योगर्शनम् - द्वितीय : पाद:
SCT 1.5	संस्कृताधिगमसामग्री - निर्माणम्	SCT 1.5	संस्कृताधिगम - डिजिटल - साम्रगी - निर्माणम्
SCT 1.6	ज्योतिषशास्त्रम् - जातकपारिजात	SCT 1.6	वैयाकरणसिद्धांतकौमुदी - संज्ञा, परिभाषा
	Practice		Open Elective (Any One)
HCP 1.1	वेदवाङ्मयसंकलनात्मक- अध्ययन	OET 2.1	सौदर्यलहरी
SCP 1.2	कोणत्याहीदोनपुराणांचातुलनात्मकअभ्यास	OET 2.2	रघुवंशमहाकाव्यम् - 2,3 सर्ग
SCP 1.3	संस्कृतमधीलविज्ञानाचेचित्रमयप्रदर्शन	OET 2.3	स्कंदपुराणम् - प्रथमखण्ड:
SEMESTER III		**SEMESTER IV**	
Paper No.	**Title of the Paper**	**Paper No.**	**Title of the Paper**
SKT	Hard Core	SKT	Hard Core
HCT 3.1	भाषाशास्त्र	HCT 4.1	अनुवादवसंभाषणकौशल्य
HCT 3.2	संस्कृतवाङ्मयेअध्ययन - संशोधन	HCT 4.2	संस्कृतवाक्यशास्त्रम्शाब्दबोधश्च
HCT 3.3	भारतीयकला (संस्कृते)	HCT 4.3	पाण्डुलिपिसंपादनवब्राम्हीलिपी
HCT 3.4	वेदांतपरिभाषा	HCT 4.4	श्रीपदभागवतपुराणम् - पंचमस्कंध
	Soft Core (Any Two)		Soft Core (Any Two)
SCT 3.1	कौटिलीयअर्थशास्त्रम्	SCT 4.1	औदयोगिकसंस्कृतम्
SCT 3.2	स्वप्नवाससवदत्तम्	SCT 4.2	वेदान्तस्तोत्राणि
SCT 3.3	न्यायसूत्रंभाष्यसहितम्	SCT 4.3	न्यायकुसुमांजली
SCT 3.4	योगदर्शनम् - तृतीयपाद:	SCT 4.4	योगदर्शनम् - चतुर्थ् : पाद:
SCT 3.5	गीताभाष्यम्	SCT 4.5	बृहत्संहिता - प्रसाद, वास्तुविद्याध्यायौ
SCT 3.6	बृहत्सहिता - 1-12 अध्याय	SCT 4.6	ध्वन्यालोक
	Practice		Open Elective (Any One)
HCP 3.1	भारतीयरंगमंचेसंस्कृतनाटक - प्रस्तुति:	OET 4.1	संस्कृतद्वारावस्तुनिर्माणम्
SCP 3.2	संस्कृतसाहित्योतिहास:	OET 4.2	कोणत्याही1 पांडुलिपीग्रंथाचेसंपादन(10 पाने)
SCP 3.3	सूर्यसिद्धांत	OET 4.3	तुलनात्मकअध्ययन

M.A. (Urdu):

SEMESTER I		SEMESTER II	
Paper No.	**Title of the Paper**	**Paper No.**	**Title of the Paper**
URD	Hard Core	URD	Hard Core
HCT 1.1	Daccani Adab (Bahmani aur Adilshahi Daur)	HCT 1.1	Daccani Adab (Bahmani Aur Qutub Shahi Daur)
HCT 1.2	Afsanvi Nasr ka Mutale'a (Dastan aur Novel)	HCT 1.2	Afsanvi Nasr Ka Mutale'a (Afsana aur Drama)
HCT 1.3	Urdu Tahquique –o- Tanquid (Fann aur Mauzu)	HCT 1.3	Urdu Tahquique –o- Tanquid (Magrabi Tanquid aur Jadeed Tanquid Nigaron ka Mutale'a
HCT 1.4	Urdu Shaeri ka Mutale'a	HCT 1.4	Urdu Shaeri ka Mutale'a
	Soft Core (Any Two)		Soft Core (Any Two)
SCT 1.1	Urdu Shaeri ka Mutale'a (Masnavi)	SCT 1.1	Urdu Shaeri ka Mutale'a (Mersia)
SCT 1.2	Urdu Shaeri ka Mutale'a (Qasida)	SCT 1.2	Urdu Shaeri ka Mutale'a (Rubai)
SCT 1.3	Urdu ke Adabi Tahreekat -o- Rujhanat	SCT 1.3	Urdu ke Adabi Tahreekat-o- Rujhanat (Romanvi Tahreek)
SCT 1.4	Urdu ke Adabi Aligarh Tahreek ka Mutale'a	SCT 1.4	Asanvi Nasr ka Mutale'a (Drama)
SCT 1.5	Urdu ke Romanvi Tahreek ka Mutale'a	SCT 1.5	Solapur ki Urdu Shaeri
SCT 1.6	Urdu ke Adabi Idare (Hissa Awal)	SCT 1.6	Daccani Urdu ki Lisani Khusoosiyat
	Practice		Open Elective (Any One)
HCP 1.1	Seminar –I	OET 2.1	Solapur ki Urdu Nasr
SCP 1.2	Project Work – II	OET 2.2	Lisaniyat
SCP 1.3	Practical	OET 2.3	Print Media and Mass Media- Part –I

SEMESTER III		SEMESTER IV	
Paper No.	**Title of the Paper**	**Paper No.**	**Title of the Paper**
URD	Hard Core	URD	Hard Core
HCT 3.1	Gair Afsanvi Adab (Khutoot Aur Inshaiya)	HCT 4.1	Gair Afsanvi Adab (Khutoot aur Khaka)
HCT 3.2	Prem Chand aur Iqbal ka Khusoosi Mutale'a (Prem Chand ka Ahad)	HCT 4.2	Prem Chand Aur Iqbal ka Khusoosi Mutalea (Allama Iqbal ka Ahad)
HCT 3.3	Urdu Shaeri 1857 ke baad (Hindustan ka Siyasi,Pasmanzer 1857 se Qabl ---se Nai Urdu Shaeri ke Numainda Shoara	HCT 4.3	Urdu Shaeri 1857 ke baad(Taraqui Pasand Adabi Tahrik ---se Urdu Shaeri ki Digar Shaeri Asnaf)
HCT 3.4	Research Methodology	HCT 4.4	Urdu Sahafat Aur Fann-e-Tarjuma Nigari (Tarjuma –Translation)
	Soft Core (Any Two)		Soft Core (Any Two)
SCT 3.1	Urdu Sahafat Aur Fann-e- Tarjuma Nigari(Sahafat - Journalism)	SCT 4.1	Urdu Sahafat Aur Fann-e- Tarjuma Nigari(Sahafat - Journalism)
SCT 3.2	Urdu ke Adabi Tahreekat (Taraqqi Pasand Tahreek)	SCT 4.2	Urdu ke Adabi Tahreekat (Taraqqi Pasand Tahreek)
SCT 3.3	Solapur ki Urdu Shaeri (Ghazal)	SCT 4.3	Solapur ki Urdu Shaeri (Ghazal)
SCT 3.4	Urdu Shaeri ke Numainda Shoara	SCT 4.4	Urdu Shaeri ke Numainda Shoara
SCT 3.5	Urdu Shaeri Ki Digar Asnaf (Marsia)	SCT 4.5	Urdu Shaeri Ki Digar Asnaf (Marsia)
SCT 3.6	Urdu Shaeri ki Digar Asnaf (Urdu Nazam)	SCT 4.6	Urdu Shaeri ki Digar Asnaf (Urdu Nazam)
	Practice		Open Elective (Any One)
HCP 3.1	Solapur ki Urdu Shaeri	OET 4.1	Use of Computer
SCP 3.2	Comparative Study of Urdu Literautre And Hindi	OET 4.2	Report Writing
SCP 3.3	Hindi Novel Ka Urdu Tarjuma	OET 4.3	Dessertation

School of Allied Health Sciences

Solapur City has been included in Smart City project launched by central government and is fast becoming popular destination for medical tourism. As per National Skill Development Council (NSDC) report there is vast need of allied health work force in Solapur city and District. With view to cater this ned, a separate School of Allied Health Sciences has been established by Punyashlok Ahilyadevi Holkar Solapur University, Solapur. Currently the School runs one postgraduate diploma course in the area of dietetics and nutrition and two certificate course in yoga teaching and acupressure respectively. School intends to start various post graduate diploma courses in the area of biostatistics, clinical psychology and Master of Public Health Course.

Established : Jan 2019

Director in Charge : Prof. V.B. Ghute

Co-ordinator : Dr. Abhijeet Jagtap

Courses Information :

Sr.No	Name of the Course	Nature	Duration	Intake	Admission Starts from
	PG Diploma Courses				
1	Post Graduate Diploma in Dietetics and Nutrition	Full time with Flexible Learning Approach	1 Year	30	Dec 2019
2	Post Graduate Diploma in Clinical Psychology	Full time	1 Year	10	June 2019 (Tentative)
3	Post Graduate Diploma in Biostatistics	Full time	1 Year	20	June 2019 (Tentative)
PG Degree Course					
1	Master of Public Health	Full time Flexible Learning Approach	2 Year	30	June 2019 (Tentative)
Certificate Courses					
1	Certificate Course for Yoga Teacher (Under Skill Development Centre)	Weekend Based Certificate Course	1 Year	60	July 2019
2	Certificate Course in Acupressure (Under Skill Development Centre)	Weekend Based Certificate Course	6 Months	60	September- 2019

P. G. Courses offered at Affiliated Colleges

Sr. No.	Name of the College	Name of the Course	Intake Capacity
1.	D. B. F. Dayanand College of Arts and Science, Solapur Phone No. 0217-2323193 Mail ID- spr_dayartsc@live.com dayasolapur@gmail.com	M.Sc. Physics (Solid State)	25
		M.Sc. Chemistry Pharmaceutical Chemistry	25
		M.Sc. Chemistry (Physical Chemistry)	20
		M. Sc. (Botany)	20
		M. Sc. (Zoology)	20
		M. Sc. (Mathematics)	30
		M.A / M. Sc (Geography)	50
		M.Sc Microbiology	30
2.	Shankarrao Mohite Mahavidyalaya, Akluj Phone No. 02185-222088 Mail ID- smnakj@yahoo.com	M. Sc (Agrochemical and Pest management)	24
		M. Sc (Electronics)	24
3.	Shri. Shivaji Mahavidyalaya, Barshi Phone No. 02184-222382 Mail ID- ssmb_barshi@rediffmail.com	M. Sc. (Microbiology)	20
		M.Sc. Physics (Nano-physics)	20
		M. Sc. (Analytical Chemistry)	20
		M.A / M. Sc (Geography)	50
4.	Sangmeshwar College, Solapur Phone No. 0217-2315588 Mail ID- prin_sangameshwar@yahoo.com	M. Sc. (Computer Science)	30
5.	Sangola Mahavidyalaya, Sangola Phone No-02187-220227 Mail ID- prinscsgl@gmail.com	M. Sc. (Computer Science)	60
6.	Greenfingers College of Computer and Technology, Akluj Phone No- 02185-223225 Mail ID-gfc_akluj@yahoo.com	M. Sc. (Computer Science)	20
7.	Shriram Institute of Information Technology, Paniv Phone No. 02185-274011 Mail ID- siitpaniv@gmail.com	M. Sc. (Computer Science)	30
8.	Vidnayan Mahavidyalaya, Sangola Phone No- 02187-220508 Mail ID- vidnyanms@yahoo.co.in	M. Sc. (Computer Science)	25
9.	K. B. P.Mahavidyalaya, Pandharpur Phone No- 02186-223104 Mail ID- kbp_pandharpur@rediffmail.com	M. Sc. (Analytical Chemistry)	20
		M.A / M. Sc (Geography)	50
10.	V. G. Shivdare College of Arts, Commerce, Science, Solapur Phone No. 0217-2303411 Mail ID- vgs.biotechnology@rediffmail.com	M. Sc. (Biotechnology)	30
11	Deshbhakta Sambhajirao Garad Mahavidyalaya, Mohol Phone No- 02189- 232208 Mail ID- dsgarad@gmail.com	M. A. (Geography – Marathi Medium)	50
12.	Walchand College of Arts and Science, Solapur Phone No. 0217-2651863 Mail ID- prnicipalwcas@yahoo.co.in	M. Sc. (Bioinformatics)	25
		M. Sc. (Genetics)	25
		M. Sc. (Inorganic Chemistry)	25
		M. Sc. (Biotechnology)	25
		M.Sc. Nano-Technology	25
		M. A. (Geography – Marathi Medium)	50

शासन निर्णय परिपत्रक क्र. इबीसी-२००३/प्र.क्र.३०१/मावक-२ दि. १ नोव्हेंबर २००३ नुसार

<u>विद्यार्थ्यांना मार्गदर्शक सुचना</u>

१. भारत सरकार मॅट्रिकोत्तर शिष्यवृत्ती शिक्षण शुल्क, परीक्षा शुल्क आवेदन पत्र परीपूर्ण भरलेले असावे.

२. उत्पन्नाचा दाखला सक्षम अधिका-याचा असावा. विद्यार्थ्यांचे पालक नोकरीत असल्यास तेथील एकूण उत्पानाचा दाखला (उदा: - मुळ वेतन + महागाई भत्ता + इतर भत्ते मिळून मिळणारे उत्पन्न) तसेच इतर मार्गानी मिळणारे उत्पन्न.

३. शाळा सोडल्याचा दाखला -मुळ टी.सी.असावी. डुप्लीकेट टी.सी. बाबत दोन ठिकाणी प्रवेश घेतलेला नसवा. टी.सी. नसल्यास सादर करू शकत नाही याबाबत शपतपत्र देणे.

४. जातीचा दाखला सक्षम अधिका-याचा असावा. (सदर दाखला खाडाखोड केलेला अथवा शंकास्पद नसावा.)

५. मागील वर्षाचे उत्तीर्ण झाल्याबाबतचे गुणपत्रक जोडवे.

६. विद्यार्थीनीच्या बाबतीत (मुलीचे) लग्न झाले असल्यास पतीचा उत्पन्नाचा दाखला जोडणे आवश्यक आहे.

७. विद्यार्थ्यी दुस-या जिल्हयातून शिक्षणासाठी आला असल्यास जिल्हाबदल प्रमाणपत्र जोडणे आवश्यक आहे.

८. विद्यार्थ्यांने त्याच जिल्हयातून महाविद्यालयास मागील वर्षी शिष्यवृत्ती मिळाल्याचा आदेश क्रमांकाचे प्रमाणपत्र जोडणे आवश्यक आहे.

९. वडील हयात नसल्यास वडीलांचा मृत्यु दाखला आवश्यक आहे.

१०. शिक्षणात खंड पडलेला असल्यास समक्ष अधिका-याचे गॅप प्रमाणपत्र व शपथपत्र जोडणे.

भारत सरकार मॅट्रिकोत्तर शिष्यवृत्तीच्या अर्जावर स्वत:चा अलीकडील पासपोर्ट आकाराचा फोटो जोडणे आवश्यक आहे.

११. विद्यार्थी खाजगी किंवा महाविद्यालयाच्या वसतीगृहात राहत असल्यास वसगृह प्रमाणप्रत्र जोडणे. परंतू सदर वसतिगृहातमध्ये निवासाची व भोजनाची अशा दोन्ही सूविधा असणे आवश्यक आहे

१२. अनुसूचित जाती, विमुक्त जाती,भटक्या जमाती, विशेष मागास प्रवर्ग व इतर मागासवर्गीय या मागासवर्ग संवर्गातील विद्यार्थ्यांनाच ही शिष्यवृत्ती देय आहे.

१३. पात्र अनुसूचित जातीच्या विद्यार्थ्यांनी आवेदनपत्रे भरून त्यासोबत खालील कागदपत्रे घ्यावीत.

अ) विहित नमुन्यातील पुर्ण भरलेला अर्जाचा नमुना

ब) अर्जासोबत पासपोर्ट आकाराचा फोटोग्राफ १ प्रत

क) मागील वर्षी उत्तीर्ण झालेल्या परीक्षेचेप्रमाणपत्र

ड) जातीचे प्रमाणपत्र (सक्षम प्राधिका-याने दिलेले)

इ) तहसिलदार किंवात्यापेक्षा वरच्या दर्जाच्या महसूल अधिका-याने दिलेले उत्पन्नाचे प्रमाणपत्र

फ) महाविद्यालय बदललेले असल्यास मागील वर्षी मिळालेल्या शिष्यवृत्ती मान्यता क्रमांक व रक्कम

१४. एका विद्यार्थ्यांस एकच अभ्यासक्रम पुर्ण करेपर्यत ही शिष्यवृत्ती लागू राहील.उदा:- बी.ए एम.ए. एम.फिल. पी.एच.डी. परंतू एखादया विद्यार्थ्याने बी.ए. नंतर बी.एड. हा अभ्यासक्रम पुर्ण केला आणि नंतर त्याने एम.ए. साठी प्रवेश घेतला तर एम.ए. कोर्ससाठी त्यास शिष्यवृत्ती मंजूर होणार नाही. परंतू बी.एड. नंतर एम.बी.ए.ला प्रवेश घेतल्यास तो प्रोफेशनल पदयुत्तर अभ्यासक्रम असल्यामुळे त्यास शिष्यवृत्ती मंजूर करता येईल. एक विद्यार्थ्यांस २ व्यावसायिक अभ्यासक्रमासाठी ही शिष्यवृत्ती अनुज्ञेय असेल.

१५. शिष्यवृत्ती घेणा-या विद्यार्थ्याने ज्या अभ्यासक्रमासाठी शिष्यवृत्ती घेतलेली आहे.तो अभ्यासक्रम त्याने पुर्ण केला पाहिजे. जर तो अभ्यासक्रम त्याने अर्धवट सोडला व दुस-या अभ्यासक्रमास प्रवेश घेतला तर दुस-या अभ्यासक्रमांची शिष्यवृत्ती त्यास अनुज्ञेय होणार नाही.उदा. जरी एका विद्यार्थ्याने बी.एस.सी. प्रथम वर्ष या अभ्यासक्रमाला प्रवेश घेवून पूर्ण वर्षांची शिष्यव्ृत्ती उचलली हेाती. पुढील वर्षी बी.एस.सी. व्दितीय वर्गात प्रवेश न घेता त्याने बी.ए. प्रथम वर्षासाठी दुस-या किंवा त्याच महाविद्यालयात प्रवेश घेतल्यास त्याला शिष्यवृत्त्ती अनुज्ञेय होणार नाही. बहूतेक विद्यार्थी अर्ध्यातून अभ्यासक्रम सोडून दुस-या अभ्यासक्रमात प्रवेश घेताना गॅप सर्टिफिकीट सादर करतात व त्या प्रतिज्ञपत्रामधे मागील वर्षांमध्ये कोठे ही प्रवेश घेतलेला नव्हता. मी शिकत नव्हतो असे लिहून देतात. वास्ताविक पाहता अशा केसेसमध्ये तो मागील वर्षी खरेच कोठे ही प्रवेश नव्हाता व त्याने अर्ध्यावरच एखदया अभ्यासक्रम सोडून आता दुसरीकडे प्रवेश घेतो आहे किंवा कसे या विषयी खात्री केली जाईल.

१६. व्यावसायिक पाठयक्रम पुर्ण करून अव्यावसायिक पाठक्रमास प्रवेश घेतल्यास त्यास शिष्यवृत्ती मिळणार नाही. उदा. बी.ड. अथवा एल.एल.बी. पुर्ण झाल्यानंतर एम.ए. एम.एस्सी . एम.कॉम इ. साठी प्रवेश घेतल्यास शिष्यवृत्ती अनुज्ञेय नाही.

१७. विद्यार्थ्यांची हजेरी ७५% असणे आवश्यक आहे.

१८. विद्यार्थ्याने डुप्लिकेट टी.सी. वर प्रवेश घेतला असल्यास त्यांने मुळ टी.सी. सादर केल्याशिवाय त्यास शिष्यवृत्त्ती मंजूर करता येणार नाही.

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

Ordinance made under provision of section 53 (ii) of the Maharashtra Universities Act 1994

Ordinance New 38 (M.A/M.Com/M.Sc/M.C.A.)

Sr. No	Name of the Cours	Admn fee	Regi. fee	Gymkh fee	S.A.F.	Lab. Depo	Lib. depo	Tution fee	Lab. fee	Lib. fee	Y.M. fee	Ashwa fee	U.D.F.	Apat Nidhi	Internet	G.I.S.	Stationary for Internal Exam	E-suvi fee	Prorat. Fee	Medic.fee	Smart Card	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	M.Sc. Applied Electronic	50	50	150	10	500	500	1500	1500	500	120	30	75	10	500	60	150	59	60	50	50	5924
2	M.Sc. Geology	50	50	150	10	500	500	1500	1500	500	120	30	75	10	500	60	150	59	60	50	50	5924
3	M.Sc. Polymer Chemistry	50	50	150	10	500	500	1500	1500	500	120	30	75	10	500	60	150	59	60	50	50	5924
4	M.A. History & Archaeology	50	50	150	10	0	500	1500	1500	500	120	30	75	10	500	60	150	59	60	50	50	5424
5	M.Sc. Mathematics	50	50	150	10	500	500	1500	1500	500	120	30	75	10	500	60	150	59	60	50	50	5924
6	M.Sc. Statistics	50	50	150	10	500	500	1500	1500	500	120	30	75	10	500	60	150	59	60	50	50	5924
7	M.Sc. Materials Science	50	50	150	10	500	500	4000	3000	500	120	30	75	10	500	60	150	59	60	50	50	9924
8	M.Sc. Electronic Sci.)	50	50	150	10	500	500	4000	3000	500	120	30	75	10	500	60	150	59	60	50	50	9924
9	M.Sc. Industrial Chemistry	50	50	150	10	500	500	7000	7000	500	120	30	75	10	500	60	150	59	60	50	50	16924
10	M.Sc. Organic Chemistry	50	50	150	10	500	500	7000	7000	500	120	30	75	10	500	60	150	59	60	50	50	16924
11	M.C.A. I	50	50	150	10	500	500	7000	14000	500	120	30	75	10	500	60	150	59	60	50	50	23924
12	M.Sc. Computer Sciences	50	50	150	10	500	500	4000	6000	500	120	30	75	10	500	60	150	59	60	50	50	12924

13	M.Sc. Geoinformatics	50	50	150	10	500	500	4000	9000	500	120	30	75	10	500	60	150	59	60	50	50	15924
14	M.Sc. Environmental Sciences	50	50	150	10	500	500	4000	9000	500	120	30	75	10	500	60	150	59	60	50	50	15924
15	M.A.Rural Development	50	50	150	10	0	500	5000	0	500	120	30	75	10	500	60	150	59	60	50	50	7424
16	M.A. Economics	50	50	150	10	0	500	5000	0	500	120	30	75	10	500	60	150	59	60	50	50	7424
17	M.A. Mass Communication	50	50	150	10	0	500	5000	0	500	120	30	75	10	500	60	150	59	60	50	50	7424
18	M.Com	50	50	150	10	500	500	2500	0	500	120	30	75	10	500	60	150	59	60	50	50	5424
19	M.A. All Languages	50	50	150	10	500	500	1000	0	500	120	30	75	10	500	60	150	59	60	50	50	3924
20	Technology	50	50	150	10	500	500	1000	0	500	120	30	75	10	500	60	150	59	60	50	50	3924
21	PG Diploma in Dietetics & Nutrition	50	50	150	10	500	500	17076	1000	500	120	30	75	10	500	60	150	59	60	50	50	21000
22	M.Sc. Condensed Matter Physics	50	50	150	10	500	500	4000	3000	500	120	30	75	10	500	60	150	59	60	50	50	9924
23	M.Sc. Medicinal Chemistry	50	50	150	10	500	500	Under process		500	120	30	75	10	500	60	150	59	60	50	50	
24	M. Sc. Biostatistics	50	50	150	10	500	500			500	120	30	75	10	500	60	150	59	60	50	50	

*** * * Hostel Admission fees Rs. 3700/- + Deposit Rs. 500/- total amount Rs. 4200/- per academic year.**

Phone Numbers for Contact

University Phone Numbers		
(0217- 2744763, 66-67, 2744771-74, 78-79, 2351489)		
Sr. No.	**Name of the School**	**Extension No.**
1.	School of Chemical Sciences	148, 149, 150,152
2.	School of Computational Sciences	302, 304, 306, 313
3.	School of Earth Sciences	249, 245,
4.	School of Physical Sciences	142,144,184,202
5.	School of Social Sciences	226, 229,236,239
6.	Department of Commerce and Management	235, 237
7.	School of Languages and Literature	234
8.	School of Alied Health Science	228,238
9.	School of Technology	149
10.	School of Performing Arts	234
11.	P.G. Admission Section	113, 115
Contact Numbers of Affiliated Colleges having P. G. Courses		
1	D. B. F. Dayanand College of Arts and Science, Solapur	0217 – 2323193
2	Walchand College of Arts and Science, Solapur	0217 - 2651863
3	Sangmeshwar College, Solapur	0217-2315588,
4	V. G. Shivdare College of Arts, Commerce, Science, Solapur	0217 – 2303411
5	Shankarrao Mohite Mahavidyalaya, Akluj	02185 -222088
6	Shri. Shivaji Mahavidyalaya, Barshi	02184-222382
7	Sangola College, Sangola	02187-220227
8	Vidnayan Mahavidyalaya, Sangola.	02187 - 220508
9	Green Fingers College of Computer and Technology,Akluj	02185 – 223225
10	Shriram Institute of Information Technology, Paniv	02185 - 274011
11	Karmaveer Bhaurao Patil Mahavidyalaya, Pandharpur.	02186- 223104
12	Deshbhakta Sambhajirao Garad Mahavidyalaya, Mohol	02189 – 232208

ADMISSION SCHEDULE 2019-20			
Name of the Course	**Date and Time of Online Entrance Exam**	**Counseling date**	
		I st Round	**II nd Round**
School of Physical Sciences			
1) M.Sc. Physics (Applied Electronics) 2) M.Sc. Physics (Materials Science) 3) M.Sc Physics (Condensed Matter Physics)	06.06.2019 10.00 to 12.00 noon.	25-06-2019	02-07-2019
4) M.Sc. Electronic Science	06/06/2019 01:00 to 03:00 pm	24-06-2019	01-07-2019
School of Chemical Sciences			
1) M.Sc. Chemistry (Polymer , Organic, Industrial, Medicinal Chemistry)	07.06.2019 10.00 to 12.00 noon.	24-06-2019	01-07-2019
School of Earth Sciences			
1) M.Sc. Applied Geology 2) M.Sc. Geoinformatics 3) M.Sc. Environmental Science	06.06.2019 04.00 to 06.00 pm. 06.06.2019 01.00 to 03.00 pm. 10.06.2019 04.00 to 06.00 pm.	25-06-2019	02-07-2019
School of Computational Sciences			
1) M.Sc. Computer Science	11.06.2019 10.00 to 12.00 noon.	25-06-2019	02-07-2019
2) M.Sc. Mathematics	11.06.2019 01.00 to 03.00 pm	24-06-2019	01-07-2019
3) M.Sc. Statistics	10.06.2019 10.00 to 12.00 noon.	25-06-2019	02-07-2019
4)M.Sc. Bio- Statistics	10/06/2019 01.00 to 03.00 pm	26-06-2019	03-07-2019
School of Social Sciences			
1) M.A. Mass Communication	07/06/2019 01.00 to 03.00 pm	26-06-2019	03-07-2019
P.G. Courses offered at affiliated Colleges			
1) M.Sc. Microbiology	06.06.2019 10.00 to 12.00 noon.	24-06-2019	01-07-2019
2) M. Sc. Electronics	06.06.2019 01.00 to 03.00 pm.	24-06-2019	01-07-2019
3) M.Sc. Physics (Solid State)	06.06.2019 10.00 to 12.00 noon	25-06-2019	02-07-2019
4) M.Sc. Physics (Nano-physics)	06.06.2019 10.00 to 12.00 noon	25-06-2019	02-07-2019
5) M.Sc. Botany	06.06.2019 04.00 to 06.00 pm.	25-06-2019	02-07-2019
6) M.A. / M.Sc. Geography	06.06.2019 04.00 to 06.00 pm.	25-06-2019	02-07-2019
7) M.Sc. Chemistry (Physical, Analytical, Inorganic, Pharmaceutical)	07.06.2019 10.00 to 12.00 noon.	24-06-2019	01-07-2019
8) M.Sc.Bioinformatics, Genetics & Biotechnology	07.06.2019 01.00 to 03.00 pm	27.06.2019	05.07.2019
9) M.Sc. Nanotechnology	07.06.2019 04.00 to 06.00 pm	27.06.2019	05.07.2019
10) M.Sc. Computer Science	11.06.2019 10.00 to 12.00 noon.	25-06-2019	02-07-2019
11) M.Sc. Zoology	11.06.2019 01.00 to 03.00 pm	26-06-2019	03-07-2019
12) M.Sc. Mathematics	11.06.2019 01.00 to 03.00 pm	24-06-2019	01-07-2019
13) M.Sc. Agrochemical and Pest Management	11.06.2019. 04.00 to 06.00 pm.	27-06-2019	04-07-2019

General merit list will be displayed on the University website http://su.digitaluniversity.ac on 18/06/2019

Spot admissions against vacant seats for all the courses will be given on 15th July 2019 at 11.30 am. No individual correspondence will be made by the university