

Yashwantrao Chavan Maharashtra Open University Nashik

School of Computer Science

Master of Computer Applications Prospectus

2019 – 20

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School of Computer Science

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1. About the School of Computer Science

The School of Computer Science is one of the eight schools of studies located at the headquarters of the University. Through its quality policy, the School aims to enhance and sustain excellence of its educational programmes. It has a vision to create computer literacy by taking computer education to the masses.

The School envisages to:

- Develop degree, postgraduate and research level computer programmes for creating professional manpower required by the IT industries.
- Develop need-based and job-oriented short-term computer programmes to meet the huge demand of IT skilled manpower in business and industry.
- Ensure relevance of programmes by updating the curriculum dynamically.
- Provide e-Learning support to its learners.
- Establish tie-ups with industries and other educational institutions to share experience and knowledge.
- Carry out research in multimedia, virtual reality, fuzzy logic, neural networks etc. that will help in developing new methods, tools and techniques useful for computer education and applications.
- The School imparts computer education through its Authorized Study Centres.

2. Need for Programmes

Human society has passed through 'green revolution', 'industrial revolution' and 'information revolution'. Now it is entering into 'knowledge revolution'. Education in general and 'computer education' in particular is gaining utmost importance in today's knowledge society. Computer skills have become the life skills for everybody.

For high productivity and better quality, many business houses, Government departments and industries are making extensive use of computers. Extensive manpower is required to handle and operate these computers. Thus, there is pressing demand of computer professionals to work at various levels in Information Technology (IT) industries.

Highly skilled software professionals are required for nation building. They design and develop software products and systems. They are helpful in providing IT and IT-enabled services. They carry out overseas projects and earn huge amounts of foreign exchange for the country. They become entrepreneurs and establish IT industries, which provide employment for a large number of people.

BCA combine the intellectual challenge of a new discipline with the excitement of an innovative and rapidly expanding information technology. These programmes are intended for those learners who plan careers in computer science, in the fields that make use of computing and for those who plan postgraduate study in computer science.

MCA programme is adapted from Indira Gandhi National Open University (IGNOU) as per the agreement for acquisition rights(Both IGNOU and YCMOU wish to make use of the printed instructional materials of each other designed for various courses by way of acquisition of reproduction rights and supplying them among the students for the courses offered by the respective University) signed betweenYashwantraoChavan Maharashtra Open University (YCMOU) and IGNOU, on 29-May-2017.

MCA Programme Objectives: The broad objective of the MCA programme is to prepare graduate students for productive careers in software industry and academia by providing an outstanding environment for teaching and research in the core and emerging areas of the discipline. The programme's thrust is on giving the students a thorough and sound background in theoretical and application-oriented courses relevant to the latest computer software development. The programme emphasizes the application of software technology to solve mathematical, computing, communications / networking and commercial problems.

This Master's Degree Programme has been designed with a semester approach in mind. The first year courses are aimed at skills development in computers using various technologies, the second year is more focused on core courses providing conceptual framework and the third year provides the specialisation and the project work.

3. Programmes offered by the School of Computer Science

A. Computer Programmes:

A1. Degree Programmes

Programme Code	Name of the programme	Duration	* Valid registration period
P144	Master of Computer Applications (MCA)	3 years	6 years
P131	Bachelor of Computer Applications (BCA)	3 years	5 years

A2. Certificate programmes

Programme Code	Name of the programme	Duration	* Valid registration period
D101	Certificate in Computer Fundamentals	6 months	2 years
D102	Certificate in Office Tools	6 months	2 years
D104	Certificate in Computerized Financial Accounting	6 months	2 years
D105	Certificate in Programming Expertise in C	6 months	2 years
D106	Certificate in Data Structures using C	6 months	2 years
D107	Certificate in OOPs and C++	6 months	2 years
D112	Certificate in Visual Programming	6 months	2 years
D113	Certificate in LINUX	6 months	2 years
D114	Certificate in ORACLE	6 months	2 years
D125	Certificate in Mathematics	6 months	2 years

B. Industrial Science Programmes:

B1. Degree Programmes

Programme Code	Name of the programme	Duration	* Valid registration period
P133	B. Sc. (Industrial Science)	3 years	5 years

B2 .Diploma programmes

Programme Code	Name of the programme	Duration	* Valid registration period
P141	Diploma in Industrial Science	2 years	4 years

* **Re-registration:** A learner who fails to complete the programme within the valid registration period will have to re-register for the programme.

4. Educational Network for Programme Delivery

The University has its headquarters in Nashik. Keeping in line with its vision of taking education to every doorstep, the University takes care to provide its academic programmes to the learners located in different parts of Maharashtra State. For this the University has established 8 Regional Centres and established the network of authorized Study Centres in Maharashtra.

The instructional package consists of the following components:

- Study material developed by experts using instructional technology.
- Good quality instructional text material.
- Video lectures by experts.
- Face-to-face contact sessions organized at the Study Centres.
- Practical Component handled at the Study Centres.
- Evaluation of learners at the examination centres.

5. Study Centre

The Study Centre is authorized to conduct computer programmes offered by the University. Depending on the infrastructure of the Study Centre, specific programmes are assigned to that Study Centre.

The Coordinator of the Study Centre shall look after all the activities of the Study Centre including the practical of the learners. The Study Centres perform the following important functions:

- Implement the programmes as prescribed by the University.
- Make available the copy of the Prospectus to the prospective learner for reading purpose at reception.
- Forward necessary information to the students / University as and when required.
- Organize and conduct counseling sessions, practical sessions as per the planned time table prepared by the Study Centre and submitted to YCMOU at the beginning of the academic year.
- Facilitate delivery of instructional material on demand.
- Perform duties as an examination centre.
- Provide any other additional facilities for the learners' benefit.

Learners should carry out the entire computer practical at the Study Centre. The Coordinator/Instructor of the Study Centre will supervise the practical activities.

6. Changing the Study Centre

The Learner once registered, cannot change the Study Centre in-between the academic year for which the fees have been paid. However in case of MCA Programme, while taking the admission for SY/TY, the learner can change the Study Centre if essential.

7. MCA Programme Structure

Master of Computer Applications Code: P144

Course Code	Course Name	Theory/ Practical/ Project	Credit Points	Assessment Type	Passing Marks
Semester 1					
MCA011	Problem Solving and Programming	Theory	3	CA(20) + EE(32/80)	40/100
MCA012	Computer Organization and Assembly language Programming	Theory	4	CA(20) + EE(32/80)	40/100
MCA013	Discrete Mathematics	Theory	2	CA(10) + EE(16/40)	20/50
MCA014	Systems Analysis and Design	Theory	3	CA(20) + EE(32/80)	40/100
MCA015	Communication Skills	Theory	2	CA(10) + EE(16/40)	20/50
MCAL016	Lab: Internet Concepts and Web Design	Practical	2	EE(20/50)	20/50
MCAL017	Lab: C and Assembly Language Programming	Practical	2	EE(20/50)	20/50
		Total	**18**		**200/500**
Semester 2					
MCA021	Data and File Structures	Theory	4	CA(20) + EE(32/80)	40/100
MCA022	Operating System Concepts and Networking Management	Theory	4	CA(20) + EE(32/80)	40/100
MCA023	Introduction to Database Management Systems	Theory	3	CA(20) + EE(32/80)	40/100
MCA024	Object Oriented Technologies and Java Programming	Theory	3	CA(20) + EE(32/80)	40/100
MCAL025	Lab: (based on MCA021, MCA022, MCA023 & MCA024)	Practical	4	EE(40/100)	40/100
		Total	**18**		**200/500**
Semester 3					
MCA031	Design and Analysis of Algorithms	Theory	4	CA(20) + EE(32/80)	40/100
MCA032	Object Oriented Analysis and Design	Theory	3	CA(20) + EE(32/80)	40/100
MCA033	Advanced Discrete Mathematics	Theory	2	CA(10) + EE(16/40)	20/50
MCA034	Software Engineering	Theory	3	CA(20) + EE(32/80)	40/100
MCA035	Accountancy and Financial Management	Theory	3	CA(20) + EE(32/80)	40/100
MCAL036	Lab: (based on MCA032, MCA034 and MCA035)	Practical	3	EE(40/100)	40/100
		Total	**18**		**220/550**
Semester 4					
MCA041	Operating Systems	Theory	4	CA(20) + EE(32/80)	40/100
MCA042	Data Communication and Computer Networks	Theory	4	CA(20) + EE(32/80)	40/100
MCA043	Advanced Database Management Systems	Theory	4	CA(20) + EE(32/80)	40/100
MCA044	Mini Project	Practical	4	EE(40/100)	40/100
MCAL045	Lab: (UNIX & Oracle)	Practical	2	EE(20/50)	20/50
		Total	**18**		**180/450**
Semester 5					
MCA051	Advanced Internet Technologies	Theory	3	CA(20) + EE(32/80)	40/100
MCA052	Principles of Management and Information Systems	Theory	2	CA(10) + EE(16/40)	20/50
MCA053	Computer Graphics and Multimedia	Theory	4	CA(20) + EE(32/80)	40/100
MCAL054	Lab: (based on MCA051 &MCA053)	Practical	2	EE(20/50)	20/50
MCAE003	Artificial Intelligence and Knowledge Management	Theory	3	CA(20) + EE(32/80)	40/100
MCAE004	Numerical and Statistical Computing	Theory	3	CA(20) + EE(32/80)	40/100
MCAE011	Parallel Computing	Theory	3	CA(20) + EE(32/80)	40/100
		Total	**20**		**240/600**
Semester 6					
MCAP060	Project	Project	16	EE(80/200)	**80/200**
		Total	**16**		**80/200**

Certificate in Mathematics Code: D125

Course Code	Course Name	Theory/ Practical	Contact (HRS)	Credit Points	Assessment Type	Passing Marks
CMP501	Mathematics	Theory	60	4	CA(20) + EE(32/80)	40/100
CMP701	Lab: Mathematics	Practical	30	2	EE(20/50)	20/50
			Total	**6**		**60/150**

8. Language of Instruction

The medium of instruction of all the programmes is English Language only. All the Study Material of the programmes is in English. The medium of examination will be English. However, the Coordinator, Instructor or Counselor may use English /Marathi /Any other language to help the learners understand the subject well.

9. Eligibility and Documents to be uploaded while applying

At present there is **no provision** in the University to admit international learners. The eligibility criteria are given below:

A. MCA Programme (P144)

Eligibility for MCA programme is Any Bachelor's degree of minimum 3 (three) year duration from a recognized University AND Mathematics or Statistics as one of the subject at 10+2 level or graduation level.

Student who took admission into MCA and **did not** have mathematics/statistics at 10+2 level or at graduate level have to do **D125 Certificate course in Mathematics**. They are advice to do it along with first year of MCA programme. However all such students have to successfully complete D125 (if applicable) before taking admission to Third year of MCA.

Sr. No.	Year	Pre Qualification	Documents (SELF ATTESTED TRUE COPIES) to be uploaded along with the Admission Form
1)	FY	Any Bachelor's degree of minimum 3 (three) year duration from a recognized University AND Mathematics or Statistics as one of the subject at 10+2 level or graduation level; else the student is required to pursue and pass the Certificate in Mathematics Programme (D125) concurrently with First year of MCA.	1) Age Proof (Birth Certificate, driving license, Aadhar Card, PAN Card, Leaving Certificate) 2) Statement of marks of all years of Graduation 3) Statement of Marks of Std 12^{th} or equivalent (Entry Eligibility for graduation) In case student has not done 12^{th}, it is student/learner's responsibility to produce the eligibility criteria at the Study Centre. The student should make sure that Study Centre will upload the document in the format given in Appendix 1.
2)	SY	FY MCA (P144) registered in YCMOU	Hall ticket of FY MCA and Hall ticket of Certificate in Mathematics (D125) (if applicable)
3)	TY	SY MCA (P144) registered in YCMOU AND D125 : Certificate in Mathematics successfully completed (if applicable)	Hall ticket of SY MCA and Statement of Marks of Certificate in Mathematics (D125) (if applicable)

<u>Important Note</u>: Direct Admission to Second Year of MCA Programme is not allowed.

B. Certificate in Mathematics Programme (D125)

Sr. No.	Pre Qualification	Documents (SELF ATTESTED TRUE COPIES) to be uploaded along with the Admission Form
1)	18 years of age complete.	Age Proof (Birth Certificate, driving license, Aadhar Card, PAN Card, Leaving Certificate etc)

10. Fees

The total Programme Fee consists of 2 independent parts:

- University Programme Fees (UPF)
- Study Centre Fees (SCF)

The UPF is expected to cover the expenditures incurred or to be incurred by the university on various activities related to the program. While taking admission, the learner has to pay the entire UPF through online mode to the University.

The SCF is expected to cover the expenditures incurred or to be incurred by the SC on various activities related to the program. While taking admission, the learner has to pay the entire SCF to the Study Centre in person.
The fees include the examination fees for the **first** attempt.

Note: No installments in the Fees will be given.

Sr. No.	Programme code	Year	Name of the programme	Exam Fee *	Tuition Fee	Reg. Fee	Other Fee	Dev Fund	University Programme Fees *	Study Centre Fee	Final Total Fee
1)	P144	FY	Master of Computer Applications	2650	1650	100	200	5500	10100	15000	**25100**
2)	P144	SY	Master of Computer Applications	2650	1650	100	200	5500	10100	15000	**25100**
3)	P144	TY	Master of Computer Applications	2650	1650	100	200	5500	10100	15000	***25100**
4)	D125	-	Certificate in Mathematics	300	250	100	200	250	1100	2500	**3600**

* University Programme Fees include the Convocation Fees

11. Registration of Learners

The list of authorized Study Centres is available in the Prospectus (Point No. 17). Before applying online for the programme, it is advised for the learner to visit the nearby Study Centres of his/her choice and ensure that he/she is satisfied as per his/her needs.

For admission process, please visit the university website (http://ycmou.digitaluniversity.ac) / Study Centre of your choice.

12. Re-registration for MCA Degree Programme

The registration to the programme **MCA** will be valid for a period of **6** years including the year of registering for the first year. The learner should complete MCA successfully within this period.

After the expiry of the valid registration period, the learner should re-register i.e. take fresh admission to the programme by paying to the University, the fees specified at that time (provided the University continues to offer this programme at that time). All the rules and regulations, which exist at the time of re-registration, will apply to the learner. All the rules and regulations, which exist at the time of re-registration, will apply to the learner.

13. Evaluation

University has decided to conduct the **descriptive** end examination pattern. **Examination of all learners will be of descriptive type.**

A student shall need to successfully complete all the courses in the academic program (including Industrial Training course, if any) to successfully complete the academic program.

The performance at the examinations for all the courses in the academic program (except those which are "exempted") shall determine the overall class or division or Cumulative Grade Performance Average (CGPA).

Marks system:

1. For the purpose of evaluation, there are three types of courses, namely, (i)Theory Courses (ii) Practical Course (iii) Project Course
2. For **Theory Courses**, there will be two components in examination, namely, (i) Continuous Assessment (CA) and (ii) End Examination (EE).
3. The Continuous Assessment (CA) for a Theory Course shall consist of activities including assignment, class test and seminars, organized and evaluated by the respective study centre. The marks obtained by each student (20% of the total marks) in a format given in by examination section must be submitted by the Study Centre (SC) before the commencement of the EE, to the Controller of Examinations (CoE). The mark statement of the students shall be displayed on the Notice Board by the SC and shall be uploaded by the YCMOU on its websites.
4. The EE (of 80 marks) shall be set, organized and evaluated under supervision and control of the Controller of Examination, YCMOU. The EE shall consist of compulsory questions of 5 marks each.
5. For successful completion of a Theory Course, the examinee must secure at least 40 % marks in the EE AND at least 40% in combined total of CA and EE. In case the candidate does not complete a theory course successfully, (s) he may take the EE as a repeater student by paying requisite fee and by following stipulated procedure. Existing marks in CA of repeater students will be considered will calculating result of repeat examination. **No repeat examination in CA will be taken.**(**Explanation**: A person has, (for a course of 100 total marks), secured 20 marks out of 20 in CA and has secured 20 marks out of 80 in EE, thus has secured aggregate 40 marks out of 100. She shall not be treated as "passed" because she has not secured 40 % marks in EE. On the other hand, a person who has

obtained 5 marks out of 20 in CA (less than 40%) and 35 marks out of 80 in EE (more than 40%) thus securing 40 marks out of 100 in aggregate is treated as **successful** as she has secured more than 40% in EE and more than 40% in aggregate.)

6. There are standard errors of measurements (SEM) in any measurement process, including the psychometric process of student evaluation. To make up for injustice which may cause to examinees failing to secure required minimum marks by less than 1 SEM of marks, "grace" marks are awarded only for the Theory courses and *Theory* part of the Theory-cum-practical courses. There shall be grace marks awarded to examinees to the extent of 4% of maximum marks for the aggregate (CA+EE). Such grace marks shall be added to EE part only if the result of such operation results in the examinee becoming successful in completion of the course. Thus, for theory course of 100 marks (EE+CA), examinees who secured EE marks (out of 80) of 28,29,30 and 31 shall be given grace marks of 4,3,2,1 respectively, provided such addition results in the successful completion of the course. The modified marks shall be shown in the EE part of the mark statement.
7. For **Practical Courses** an end examination of maximum marks, shown in the course structure, shall be conducted at an examination centre with the facilities of laboratory for conduct of practical activities.
8. The examinees, for the **Practical courses**, shall be evaluated with the following criteria. Actual Performance of the examinee shall carry a weight of 60%, the workbook Journal 20%, and a Viva of 20%. A candidate must secure 40% or more marks to successfully complete the practical courses.
9. The Project Work type of courses shall carry marks as defined in the course structure. Of these marks to be allotted, 50% marks are to be assigned by Internal Examiner and 50% by the External Examiner. The evaluation will be based on the performance of the examinee in Viva Voce, Project Report and Presentation based on the Project work. The student needs to secure 40% marks in the Project Examination to successfully complete the course.

Students Evaluation with Grade system:

1. The examination system shall be same as that with the marking with the following additional changes:
2. The marks scored by the examinee shall be converted into grade points usingrules approved by the university authority.
3. **Letter Grade:** It is an index of the performance of students in a said course. Grades aredenoted by letters O, A+, A, B+, B, C, P and F. The UGC recommends a 10-point grading system with the following letter grades and points as given below:

Letter Grade and description	Grade Point
O (Outstanding)	10
A+(Excellent)	9
A(Very Good)	8
B+(Good)	7
B(Above Average)	6
C(Average)	5
P (Pass)	4
F(Fail)	0
Ab (Absent)	0

14. Award of passing certificate

Award of Certificate: A learner becomes eligible for the award of certificate after successful completion of the course components included in the certificate programme.

Award of Degree: A learner becomes eligible for award of degree after successful completion of the courses included in the concerned degree programme.

15. Contact Points at Study Centre and YCMOU

Type of Difficulties / Problems	Contact Points
Difficulties in any course and planning of academic activities at the Study Centre	The Counselor / Coordinator at Study Centre
Registration Related Matters	Registration Head, **nondani@ycmou.digitaluniversity.ac** Ph: (0253) 2230229, 9403774551
Student Services, Study Centre Related Matters/Grievances	Director, Student Services Division **dir_ssd@ycmou.digitaluniversity.ac** Ph: (0253)2231478
Examination Related Matters	Deputy Registrar, Examination Ph: (0253) 2231479 / 2230058 **examcomp.ycmou@gmail.com**
Registration and Examination related Grievances	The Controller of Examination, **coe@ycmou.digitaluniversity.ac** Ph: (0253 Ph: (0253) 2231479 / 2230058)
Academic Matters/Study Centre related problems	School of Computer Science Ph: (0253) 2230717 **scmcs@ycmou.digitaluniversity.ac**
Grievances related to Academic Matters /Study Centre	Director, School of Computer Science **scmcs@ycmou.digitaluniversity.ac**

16. Contact Details of the Regional Centres

Sr. No.	Name & Address of Region	District	Phone and Fax	Regional Director's Email-id
1)	**Amravati Region** YCMOU Regional Centre, V.M.V. To Valgoan Road, Post V.M.V., Amravati - 444 604	Akola Amravati Buldhana Yawatmal Washim	(0721) 2531445	rd_amravati@ycmou.digitaluniversity.ac
2)	**Aurangabad Region** YCMOU Regional Centre, Survey No.41, Near Military Hostel,Nandanwan Colony Chhavni,Aurangabad - 431 002	Aurangabad Beed Jalna Osmanabad	(0240) 2371066, 2371077	rd_aurangabad@ycmou.digitaluniversity.ac
3)	**Mumbai Region** YCMOU Regional Centre, JagannathShankarsheth M.N.C. Primary Marathi School, 2nd floor, Frear bridge (South), Nana Chowk, Grant Road (W), Mumbai 400 007	Mumbai Raigad Thane Palghar	(022) 23874186, 23826135, 23874177	rd_mumbai@ycmou.digitaluniversity.ac
4)	**Nagpur Region** YCMOU Regional Centre, Subhedar Hall, University Sports Area, Law College Campus, RavinagarChouk, Amravati Road, Nagpur-440001	Bhandara ChandrapurGadchiroli Nagpur Wardha Gondia	(0712) 2553724, 25	rd_nagpur@ycmou.digitaluniversity.ac
5)	**Nashik region** YCMOU Regional Centre, Old Municipal Corporation Building, 2nd Floor, New Pandit Colony, Nashik - 422 002	Ahmednagar Dhule Jalgaon Nashik Nandurbar	(0253) 2317063	rd_nashik@ycmou.digitaluniversity.ac
6)	**Pune Region** YCMOU Regional Centre, ShahirAnnabhauSathePrashalaGruha,Mahapalika School No. 5 (Boys), 654, SadashivPeth, Kumthekar Marg, Pune 411 030	Pune Satara Solapur	(020) 24457914	rd_pune@ycmou.digitaluniversity.ac
7)	**Kolapur Region** YCMOU Regional Centre, Near Post Office Shivaji University Campus, Kolhapur 416 004	Kolhapur Sangli Ratnagiri Sindhudurg	(0231) 2607022	rd_kolhapur@ycmou.digitaluniversity.ac
8)	**Nanded Region** YCMOU Regional Centre, SRT Marathwada University Area, Zari Road, Near Military Boy's Hostel, Nanded - 421 606	Latur Nanded Parbhani Hingoli	(02462) 229940, 283038	rd_nanded@ycmou.digitaluniversity.ac

17. List of Study Centres for Master of Computer Applications Programme

*** Maximum Student Intake Capacity of each Study Centre is 40**

Sr. No.	District	Study Centre Code	Study Centre Name with Address
1.	Ahmednagar	51155	Sanjivani K.B.P. Polytechnic, At-Sahahanandnagar, P-Shingnapur, Taluka - Kopargaon, District -Ahmednagar.
2.	Aurangabad	21217	Geetai Institute of Management, Plot No.845, Shekta Road, Bidkin, Taluka & District - Aurangabad, State - Maharashtra
3.	Aurangabad	21166	Gramodyog Shikshan Mandal, MIT Campus, Beed Bypass Road, Satara Village Road, Taluka & District - Aurangabad.
4.	Beed	2202A	Balbhim Arts, Science and Commerce College, P.O.Box No.17, Taluka & District- Beed.
5.	Chandrapur	42113	Late. Sitabai Shende Mahila Mahavidyalaya & LSS Jr. College Sindewadi, Taluka - Sindewahi, District- Chandrapur.
6.	Dhule	5202A	Jaihind Shaishkanik Trust Sanchalit Zulal Bhilajirao Patil Mahavidhyalay, Wadibhokar Road, Deopur, Taluka - Dhule, District -Dhule.
7.	Dhule	5270A	Late Karmaveer Dr.P.R. Ghogarey Science College, Taluka - Dhule, District – Dhule.
8.	Dhule	5299A	Sharada S And S Sanstha Vidyadhan Commerce College, Valwadi, Near Stadium Airport Road, Valwadi, Taluka - Dhule, District - Dhule.
9.	Dhule	5281A	Systel Institute of Management and Research, Systel House, Kshire Colony, W.B.Road, Taluka & District - Dhule.
10.	Gadchiroli	4332A	Shri Kisanrao Khobragade College Vairagad, Taluka - Armori, District – Gadchiroli.
11.	Jalgaon	53113	Dhanaji Nana Mahavidyalaya, NeharuVidya Nagar, Savada Road, City/Town-Faizpur, District-Jalgaon, Pin code-425 503 Phone No.: 02585-245236
12.	Jalgaon	5321A	Pratap College, Post Box No.28, Taluka - Amalner, District - Jalgaon.
13.	Jalna	2379A	Vyavasthapanshastra Mahavidyalaya, Kharpudi, Taluka - Jalna, District - Jalna.
14.	Kolhapur	71216	Shri Shahaji Chhatrapati Mahavidyalaya, 2968 C, Dasara Chowk, Kolhapur, Taluka &District - Kolhapur.
15.	Kolhapur	71122	Vivekanand Mahavidyalaya, 204, E, Tarabai Park Kolhapur, Taluka & District - Kolhapur.
16.	Mumbai City	31500	Anjuman-I-Islam's Akbar Peerbhoy College of Commerce and Economics, Maulana Shaukat Ali Road, Do Taki, Grant Road (E), Taluka - Mumbai, District - Mumbai City.
17.	Mumbai City	3133A	Chetna's Hazarimal Somani College of Commerce & Economics Smt. Kusumtai Chaudhari College of Arts, Survey No. 341, Near Govt. Colony, Bandra (E), Mumbai – 400 051 Phone No.: 022-26422750
18.	Mumbai City	31453	Chikitsak Samuha SS and LS College, Goregaon, Patkar College Campus, S V Road Opp. Filmstan Studio, Goregaon West, Taluka - Mumbai, District - Mumbai City.
19.	Mumbai City	31499	Pune Vidyarthi Gruha's College of Science And Technology CTS No. 218, Br. Nath Pai, Nagar, Ghatkopar East, Mumbai, Taluka - Mumbai, District - Mumbai City.
20.	Mumbai City	31236	Smt. P.D.Hinduja Trust's, Instituteo Management Studies, Hinduja College 315, New Charni Road (East), Mumbai - 400 004 Phone No.: 022-40989048
21.	Nagpur	44366	Dharampeth M. P. Deo College, Near Ambazari Lake, North Ambazari Road, Nagpur - 440 033
22.	Nanded	85156	Chhatrapati Shivajiraje Mahavidyalaya, Rajendra Nager, Taluka - Kinvat, District -Nanded.
23.	Nandurbar	5521A	G.T.P. College, Shani Mandir Road, Nandurbar, Taluka & District - Nandurbar.

24.	Nashik	54436	Jumma Majjid Charitable Trust Nashik, JMCT Polytechinc, Naikwadipura, JMCT Campus Wadala Road Nashik, Taluka & District - Nashik.
25.	Pune	62501	Suman Ramesh Tulsiani Technical Campus At Post Khamshet, Taluka - Maval, District - Pune.
26.	Raigad	3293A	Anandibai Pradhan Science College, Bapusaheb Deshpande Edu. Complex, Nagothane, Taluka Roha, Taluka - Roha District - Raigad.
27.	Satara	64117	Yashwantrao Chavan College of Science , Karad, Vidhynagar, Karad, Taluka - Karad, District -Satara.
28.	Sindhudurg	7465A	Dnyankunj College Of Information Technology And Management, Ravalnath Nagar, Taluka - Kudal, District- Sindhudurg.
29.	Sindhudurg	7482A	Women's College of Computer Studies and Research, Near Raghunath Market, Ubha Bazar, Sawantwadi, Taluka - Savantwadi, District – Sindhudurg.
30.	Solapur	65147	A.R. Burla Mahila Varistha Mahavidyalaya, Ravivar Peth, Rajendra Chowk, Taluka- Solapur (N), District – Solapur.
31.	Solapur	6504A	B.P.Sulakhe Commerce College, Shivaji Nagar, Barshi, Taluka - Barshi, District - Solapur.
32.	Solapur	6591A	Hirachand Nemichand College of Commerce,Seth Walchand Marg, Ashok Chowk, Taluka - Solapur(N), District -Solapur.
33.	Solapur	65152	Shri Shiv Parvati Sarvajanik Vikas Trust`S Greenfingers College of Computer And Technology, Yashwantnagar, At. Post. Akluj, Tal: Malshiras, Taluka - Malshiras, District -Solapur.
34.	Thane	3552A	Vidya Prasarak Mandal Sanchalit B.N.Bandodkar Of Science College, Near Relway Station , Chendani Bandar Road, Taluka & District -Thane.

Appendix 1

CERTIFICATE

The Study Centre hereby certify that Mr./Ms. _____ satisfies the following criteria:

1. 12^{th} with Mathematics and marks obtained in Mathematics are ____ .
2. Mathematics is one of the subjects in graduation in FY/SY/TY and marks obtained in Mathematics are ____ .
3. Statistics is one of the subjects in graduation in FY/SY/TY and marks obtained in Mathematics are ____.

The Study Centre hereby certify that Mr./Ms. _____ has successfully completed graduation from _____ University. The Study Centre has verified from the documents produced by the student that his/her eligibility for the graduation was as per the norms of that University.

The norms for the eligibility were:

_____
_____
_____
_____
_____
_____
_____
_____
_____

Date: _____

Signature and Name
of Study Centre Coordinator

Signature and Name
of Study Centre Head

Seal of Study Centre

Appendix 2

UNIVERSITY GRANTS COMMISSION
Distance Education Bureau

F.No. 1-6/2018 (DEB-I) **Dated: 03-10-2018**

S. NO.	STATE	NAME /CATEGORY OF HEI	PERIOD OF RECOGNITION	AS PER THE DECISION TAKEN AT 534TH COMMISSION MEETING HELD ON 2ND AUGUST, 2018		AS PER THE DECISION TAKEN AT 535TH COMMISSION MEETING HELD ON 27TH SEPTEMBE, 2018	
				NUMBER OF RECOGNISED PROGRAMMES	NAME OF RECOGNISED PROGRAMMES 2018	NUMBER OF RECOGNISED PROGRAMMES	NAME OF RECOGNISED PROGRAMMES
							ADMINISTRATION 8. MASTER OF COMMERCE
32.	MAHARASHTRA	YASHWANTRAO CHAVAN MAHARASHTRA OPEN UNIVERSITY (STATE OPEN UNIVERSITY)	2018-19 TO 2022-23	17	1) BACHELOR OF SCIENCE (AGRICULTURE) 2) BACHELOR OF SCIENCE (CSA) 3) BACHELOR OF SCIENCE (HORTICULTURE) 4) BACHELOR OF SCIENCE (INDUSTRIAL DRUG SCIENCE) 5) BACHELOR OF SCIENCE (INDUSTRIAL SCIENCE) 6) BACHELOR OF SCIENCE (AUTOMOTIVE TECHNIQUES) 7) BACHELOR OF SCIENCE (CONSTRUCTION PRACTICES) 8) BACHELOR OF SCIENCE (ELECTRICAL AND ELECTRONICS TECHNIQUES) 9) BACHELOR OF SCIENCE (FACILTY SERVICES) 10) BACHELOR OF COMPUTER APPLICATIONS 11) MASTER OF SCIENCE (AGRICULTURAL EXTENSION) 12) MASTER OF ARTS (EDUCATION)	15	1. MASTER OF LIBRARY INFORMATION SCIENCE 2. BACHELOR OF ARTS (MASS COMMUNICATION AND JOURNALISM) 3. BACHELOR OF LIBRARY AND INFORMATION SCIENCE 4. BACHELOR OF SCIENCE (MEDIA GRAPHICS AND ANIMATION) 5. BACHELOR OF COMMERCE 6. BACHELOR OF SCIENCE (PHYSICS) 7. BACHELOR OF SCIENCE (CHEMISTRY) 8. BACHELOR OF SCIENCE (MATHS) 9. MASTER OF ARTS (ENGLISH) 10. MASTER OF SCIENCE (ENVIRONMENTAL SCIENCE) 11. BACHELOR OF BUSINESS ADMINISTRATION (AVIATION, HOSPITALITY AND TRAVEL AND TOURISM MANAGEMENT) 12. BACHELOR OF EDUCATION

UNIVERSITY GRANTS COMMISSION

UNIVERSITY GRANTS COMMISSION
Distance Education Bureau

F.No. 1-6/2018 (DEB-I) **Dated: 03-10-2018**

S. NO.	STATE	NAME /CATEGORY OF HEI	PERIOD OF RECOGNITION	AS PER THE DECISION TAKEN AT 534TH COMMISSION MEETING HELD ON 2ND AUGUST, 2018		AS PER THE DECISION TAKEN AT 535TH COMMISSION MEETING HELD ON 27TH SEPTEMBE, 2018	
				NUMBER OF RECOGNISED PROGRAMMES	NAME OF RECOGNISED PROGRAMMES 2018	NUMBER OF RECOGNISED PROGRAMMES	NAME OF RECOGNISED PROGRAMMES
					13) BACHELOR OF COMMERCE (COOPERATIVE MANAGEMENT) 14) BACHELOR OF ARTS 15) MASTER OF ARTS (DISTANCE EDUCATION) 16) MASTER OF COMMERCE (COMMUNICATION) 17) MASTER OF COMMERCE		13. BACHELOR OF SPECIAL EDUCATION 14. MASTER OF COMPUTER APPLICATION 15. MASTER OF BUSINESS ADMINISTRATION

COMMISSION

"We are reaching the stage where problems that we must solve are going to become insoluble without computers. I do not fear computers; I fear the lack of them"

Isaac Asimov

Recipient of the International Award for Institutional Excellence in Distance Education from Commonwealth of Learning, Canada

YashwantraoChavan Maharashtra Open University

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