



ज्ञानगंगा घोरोघरी

**Yashwantrao Chavan Maharashtra
Open University
Nashik 422 222**

ProspectuS

2009 - 2010

**Bachelor of Computer Applications (BCA)
B.Sc. (Business Information Systems)
Certificate Computer Programmes**

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Contents

	Important Dates to be remembered	1
01	About the University	3
02	Educational Collaboration	3
03	About the Computer School	3
04	Study Centre	4
05	Need of the computer programmes.....	4
06	Online Programmes offered by the Computer School	5
07	Duration	5
08	Eligibility	6
09	Language of Instruction	6
10	Educational network for programme delivery	6
11	Details of Online Certificate Programme	7
12	Programme structure for Bachelor of Computer Applications (BCA)	8
13	Programme structure for Bachelor of Science (BIS)	9
14	Fees	10
15	Registration of Students	10
16	Changing the Study Centre	11
17	Re-registration of programme	11
18	Evaluation	11
19	How to seek admission?	13
20	Contact points at YCMOU	13
	Appendix A: Study Material Details	14
	Appendix B: Course Evaluation Components	15
	Appendix C: Course Fees	16
	Appendix D: University Grants Commission Resolution (2004)	17

Important dates to be remembered

Table 1 : Event Calendar for Degree Programmes

Event	Dates
Admission for 1 st /2 nd /3 rd starting date	1 st June
Last date of admission for 1 st /2 nd /3 rd	31 st July
Last date of admission with late fee of Rs. 100/-	30 th August
Odd Semesters	
Teaching Learning Odd Semester (I / III / V)	1 st August to 30 th November
Home-assignments (1 st and 2 nd)	15 th October to 30 th October
Practical Examination Odd Semester (I / III / V)	2 st December to 8 th December
Theory Examination Odd Semester (I / III / V)	9 th December to 21 st December
Leave	22 nd December to 31 st January
Result Declaration	22 nd January
Even Semesters excluding sixth semester	
Teaching Learning Even Semester (II / IV)	1 st February to 30 th May
Home-assignments (1 st and 2 nd)	15 th April to 30 th April
Practical Examination Even Semester (II / IV)	2 nd June to 8 th June
Theory Examination Even Semester (II / IV)	9 th June to 21 st June
Leave	22 nd June to 31 st July
Result Declaration	22 th July

Table 2 : Event Calendar for sixth semester of Degree Programmes

Project Approval	21 January to 31 January
Seminar	15 th April to 20 th April
Project Submission	10-18 May
Project End Examination	21-31 May
Result Declaration	15 th June

Table 3 : Event Calendar for Certificate Programmes

Event	Dates
First Semester	
Admission for starting date	1 st June
Last date of admission	31 st July
Last date of admission with late fee of Rs. 100/-	30 th August
Teaching Learning	1 st August to 30 th November
Home-assignments (1 st and 2 nd)	15 th October to 30 th October
Practical Examination	2 st December to 8 th December
Theory Examination	9 th December to 21 st December
Leave	22 nd December to 31 st January
Result Declaration	22 nd January
Second Semester	
Admission starting date	1 st December
Last date of admission	31 st January
Last date of admission with late fee of Rs. 100/-	28 th February
Teaching Learning	1 st February to 30 th May
Home-assignments (1 st and 2 nd)	15 th April to 30 th April
Practical Examination	2 nd June to 8 th June
Theory Examination	9 th June to 21 st June
Leave	22 nd June to 31 st July
Result Declaration	22 th July

1. About the University

The Yashwantrao Chavan Maharashtra Open University (YCMOU), was set up in July 1989 by Act XX (1989) of the Maharashtra State Legislature. The degree/diploma of this University is treated as equivalent to the degree/diploma of any other university for the purpose of employment in government and semi-government establishments.

One of the major goals of the University is to create, preserve and disseminate knowledge to its learners and the masses and thus become a 'Mass-varsity'. The emphasis, throughout, is on developing educational programmes which qualify a person to get a better job, to start earning on his own or help a working person to improve his career. Providing education through classroom-based system is costly, rigid and puts time constraints on the learners.

Technology based education of YCMOU provides the following benefits:

- It is cost effective
- It has outreach to the masses.
- It is flexible: learn anywhere and anytime and as per your pace and style of learning.

2. Educational Collaboration

Many educational institutions like KICIT, MKCL, MCADC, etc. are associated with the university to share experiences and resources in implementing computer programmes.

3. About the Computer School

The School of Computer Science is one of the eight schools of studies located at the headquarters of the university. Through its quality policy, computer school aims to enhance and sustain excellence of its educational programmes. The computer school 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 industries.
- Ensure relevance of programmes by updating curriculum dynamically.
- Provide eLearning support to its students.
- Establish tie-ups with industries and other educational institutions to share experience and knowledge.
- Carry out research in multimedia, virtual reality, fuzzy logic, neural network etc. that will help in developing new methods, tools and techniques useful for computer education and applications.

The School of Computer Science conducts its computer education imparting activity through its Authorized Study Center.

4. 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 centre. The list of study centres along with courses assigned can be viewed at

<http://ycmou.digitaluniversity.ac>

The co-ordinator of the study centre shall look after all the activities of the study centre including the practical of the students. The Study centre coordinator will give the completion certificate for the completed workbook. The YCMOU study centres perform the following important functions:

- Conduct the Computer Courses as prescribed by the University in a conventional manner.
- Distribution of prospectus to the learner and collection of application form/fees.
- Forward necessary information to University on need basis.
- Organise viewing of audio/video lectures.
- Organise counseling sessions at regular intervals according to YCMOU norms and patterns.
- Facilitate delivery of instructional material and arrange practical sessions
- Act as an examination centre.
- Provide any other additional facilities for the students benefit.

Student should carry out the entire computer practical on the study centre. The coordinator/instructor of the study centre will supervise the practical activities.

5. Need for computer 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 every body.

For high productivity and better quality, many business houses, Govt. departments and industries are making extensive use of computers. Huge manpower is required to handle and operate these computers. Thus there is pressing demand of computer professionals to work at various levels in 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 amount foreign exchange for the country. They become entrepreneurs and establish IT industries, which provide employment for large number of people.

BSc(BIS) & BCA combines the intellectual challenge of a new discipline with the excitement of an innovative and rapidly expanding information technology. It is intended for those students who plan careers in computer science or in fields that make use of computing, for those who plan postgraduate study in computer science.

6. Online Programmes offered by the Computer School

The university offers computer programmes at certificate and degree level. The details are as follows:

Certificate programmes

- Programming Expertise in “C”
- Data Structure using C
- OOPs and C++
- Programming Excellence through VB.Net
- Building Web Portals through ASP.Net
- Enterprise solutions using J2EE
- Programming Excellence through C#
- Visual Programming
- Computer Fundamentals
- Office Tools
- Linux
- JAVA
- Visual Basic
- Oracle

Degree programmes

- BSc(BIS)
- BCA

7. Duration

Certificate programmes

The certificate programme has the minimum duration of 6 months. Student should complete it within 2 years. But if anyone fails to complete the certificate programme within 2 years he/she will be required to re-register for the programme again.

Degree programmes

The BCA and BSc(BIS) programme has the minimum duration of 3 years. Student should complete it within 5 years. But if anyone fails to complete the degree within 5 years he/she will be required to re-register for the programme again.

Semester system

A semester system has been adopted by YCMOU for its academic programmes. In this scheme, an academic year consists two semesters each of 6 months duration.

Thus BCA / BSc(BIS) has 6 semesters. The admission of degree programme shall be done **only once** in a year whereas examinations shall be conducted at the end of each semester.

8. Eligibility

Eligibility for certificate programmes

For all on line certificate program desired eligibility is specified in the following Table.

Table 4: Eligibility for Certificate programmes

Sr No	Prog Code	Programme Name	Desired Eligibility
1.	D01	Programming Expertise in "C"	Knowledge Of Computers
2.	D02	Data Structure using C	Knowledge Of Computers
3.	D04	OOPs and C++	Knowledge Of C Programming
4.	D05	Programming Excellence through VB.Net	Knowledge Of C Programming
5.	D06	Building Web Portals through ASP.Net	Knowledge Of C Programming
6.	D07	Enterprise solutions using J2EE	Knowledge Of C Programming
7.	D08	Programming Excellence through C#	Knowledge Of C Programming
8.	D09	Visual Programming	Knowledge of OOPs & C++
9.	D14	Computer Fundamentals	----
10.	D15	Office Tools	Knowledge Of Computers
11.	D16	Linux	Knowledge Of Computers
12.	D28	JAVA	Knowledge Of Computers
13.	D30	Visual Basic	Knowledge of Computers
14.	D59	Oracle	Knowledge Of C Programming

Eligibility for degree programmes

The student should have passed

- XIIth of HSC Board of Maharashtra, or its equivalent examination
OR
- 3 year Diploma of Board of Technical Examination or equivalent

Note : Students who have passed XIIth with MCVC are not eligible for the degree programmes.

9. Language of Instruction

The medium of instruction of programme is English Language only. All the Printed Study Material of computer programmes are in English language. Examination will be in English language. However, your co-ordinator, instructor or counsellor may use either English/Marathi/Hindi/Any other language to help the students understand the subject well.

10. Educational network for programme delivery

Keeping in line with its vision of taking education to every doorstep, the University takes care to provide its academic programmes to the students located in different parts of the Maharashtra State. The University is not merely an examining body but it takes full responsibility for the entire teaching learning activity and evaluation of students. The instructional package consists of the following components:

- Study material developed by experts using instructional technology.
- Good quality instructional text adopted from the market.
- Video lectures by experts.
- Face-to-face contact sessions organised at the study centres located at several places in the state.
- Practical component handled at the study centre
- Evaluation of students at examination centre.
- Any Other additional Study Material/mock test as may be provided by Study Centers

11. Details of Online Certificate Programmes

Table 5: Online Certificate Programmes (Duration : 6 months)

Sr No	Prog Code	Programme Name	Credit Points	Course Code
1.	D01	Programming Expertise in "C"	4	CMP201
2.	D02	Data Structure using C	4	CMP202
3.	D04	OOPs and C++	4	CMP203
4.	D05	Programming Excellence through VB.Net	4	CMP220
5.	D06	Building Web Portals through ASP.Net	4	CMP212
6.	D07	Enterprise solutions using J2EE	4	CMP214
7.	D08	Programming Excellence through C#	4	CMP213
8.	D09	Visual Programming	4	CMP211
9.	D14	Computer Fundamentals	4	CMP207
10.	D15	Office Tools	4	CMP204
11.	D16	Linux	4	CMP248
12.	D28	JAVA	4	CMP247
13.	D30	Visual Basic	4	CMP130
14.	D59	Oracle	4	CMP256

Table 6: Online Degree Programmes (Duration : 3 years)

Sr No	Prog Code	Programme Name	Eligibility
1	P32	BCA	<ul style="list-style-type: none"> • XII of HSC Board of Maharashtra, or its equivalent examination <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • 3 year Diploma of Board of Technical Examination or equivalent
2	P30	BSc(Business Information Systems)	<ul style="list-style-type: none"> • XII of HSC Board of Maharashtra, or its equivalent examination <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • 3 year Diploma of Board of Technical Examination or equivalent

12. Programme structure for Bachelor of Computer Applications (BCA): P32

The THREE-year BCA programme has SIX Semesters. Each Semester has FIVE subjects. The Sixth Semester student has to work and prepare the project only.

Table 7: First Year

Semester I			Semester II		
Sr. No.	Course Code	Course Name	Sr. No.	Course Code	Course Name
1	CMP207	Computer Fundamentals	1	CMP202	Data structure using C
2	CMP204	Office Tools	2	CMP203	OOPs and C++
3	CMP201	Programming Expertise in C	3	CMP209	Data Communication and Networking
4	CMP250	Mathematics for Computers	4	CMP242	Humanities and Social Obligations
5	CMP262	Study skills	5	CMP230	Communication skills and Technical writing

Table 8: Second Year

Semester III			Semester IV		
Sr. No.	Course Code	Course Name	Sr. No.	Course Code	Course Name
1	See	Elective 1	1	CMP263	Systems Analysis and Design
2	Below	Elective 2	2	CMP206	Principles of Data Base Management System
3	Table 10	Elective 3	3	CMP247	JAVA
4	CMP258	Professional Development	4	CMP220	Programming Excellence through VB.NET
5	CMP253	New Developments in IT	5	CMP223	Computer Organization

Table 9: Third Year

Semester V			Semester VI		
Sr. No.	Course Code	Course Name	Sr. No.	Course Code	Course Name
1	CMP205	Software Engineering	1	CMP259	Project (P32-BCA)
2	CMP255	Operating Systems			
3	CMP212	Building Web Portals through ASP.NET			
4	CMP214	Enterprise solutions using J2EE			
5	CMP221	Statistical Techniques			

Table 10: Electives (Students will select any three electives in Semester III)

1	CMP215	Data Structures through C++
2	CMP217	DirectX Game Programming
3	CMP216	Distributed Computing through COM/DCOM
4	CMP227	E-Commerce
5	CMP226	Enterprise Resource Planning (ERP)
6	CMP256	ORACLE
7	CMP213	Programming Excellence through C#
8	CMP211	Visual Programming
9	CMP218	Writing Windows Device Drivers
10	CMP248	Linux

13. Programme structure for Bachelor of Science (Business Information System) : BSc(BIS) : P30

The THREE year B.Sc(BIS) programm has SIX Semesters. Each Semester has FIVE subjects. The Sixth Semester student has to work and prepare the project only.

Table 11: First Year

Semester I			Semester II		
Sr. No.	Course Code	Course Name	Sr. No.	Course Code	Course Name
1	CMP207	Computer Fundamentals	1	CMP202	Data structure using C
2	CMP204	Office Tools	2	CMP203	OOPs and C++
3	CMP201	Programming Expertise in C	3	CMP223	Computer Organization
4	CMP222	Computerized Financial Accounting	4	CMP255	Operating Systems

Table 12: Second Year

Semester III			Semester IV		
Sr. No.	Course Code	Course Name	Sr. No.	Course Code	Course Name
1	See	Elective 1	1	CMP263	Systems Analysis and Design
2	Below	Elective 2	2	CMP206	Principles of Data Base Management System
3	Table 14	Elective 3	3	CMP247	JAVA
4	CMP248	Linux	4	CMP220	Programming Excellence through VB.NET

Table 13: Third Year

Semester V			Semester VI		
Sr. No.	Course Code	Course Name	Sr. No.	Course Code	Course Name
1	CMP205	Software Engineering	1	CMP210	Project (P30-BIS)
2	CMP208	Business Information System			
3	CMP212	Building Web Portals through ASP.NET			
4	CMP209	Data Communication and Networking			

Table 14: Electives (Students will select any three electives in Semester III)

1	CMP215	Data Structures through C++
2	CMP217	DirectX Game Programming
3	CMP216	Distributed Computing through COM/DCOM
4	CMP227	E-Commerce
5	CMP226	Enterprise Resource Planning(ERP)
6	CMP214	Enterprise solutions using J2EE
7	CMP213	Programming Excellence through C#
8	CMP211	Visual Programming
9	CMP218	Writing Windows Device Drivers

14. Fees

Total Programme Fee consists of 3 (Three) independent parts:

- University Programme Fee (UPF)
- Study Centre Fee (SCF)
- Examination Fee (EF)

Total degree Programme fees shall vary as per the elective modules student selects. Please contact concerned Study Center Coordinator for further details.

The certificate programme fees as follows:

Table 15: Certificate programme fees

Sr. No.	Prog Code	Programme Name	Fees		
			YCMOU	SC	Total
1	D01	Programming Expertise in "C"	700	1400	2100
2	D02	Data Structure using C	700	1400	2100
3	D04	OOPs and C++	700	1400	2100
4	D05	Programming Excellence through VB.Net	850	1750	2600
5	D06	Building Web Portals through ASP.Net	850	1750	2600
6	D07	Enterprise solutions using J2EE	1150	2450	3600
7	D08	Programming Excellence through C#	850	1750	2600
8	D09	Visual Programming	1150	2450	3600
9	D14	Computer Fundamentals	700	1400	2100
10	D15	Office Tools	700	1400	2100
11	D16	Linux	700	1400	2100
12	D28	JAVA	700	1400	2100
13	D30	Visual Basic	700	1400	2100
14	D59	Oracle	1150	2450	3600

In case of certificate programmes the student is required to pay the full fees along with the admission form while taking the admission at the study center. The student of degree programme is required to pay yearly fees along with the admission form while taking the admission at the study center. YCMOU accepts its share of fees in the form of Demand Draft only. Demand draft should be drawn on any nationalised bank in favour of '**The Finance Officer, YCMOU, Nashik**' and payable at Nashik. The Study Center share can be paid in cash or cheque or DD as per the convenience of the student and study center. University does not accept any admission at University Level.

The fees include the examination fees for the first attempt.

Please Note that fees once paid will not be refunded under any circumstances.

15. Registration of Students

All the fresh students must visit various YCMOU recognised Study Centres for certificate and degree programmes. The list of authorised study centers is available on the YCMOU website

<http://ycmou.digitaluniversity.ac>

Fresh students who are interested to study certificate programmes can take admission

maximum of 5 certificate programmes. Fresh students interested in pursuing degree programme can take admission to either BSc(BIS) or BCA programme.

Students should fill up the admission form and submit it at the study centre along with the fees. The YCMOU accepts its share of the Fees by virtue of DD on any nationalised bank drawn in favour of '**The Finance Officer, YCMOU, Nashik**' and payable at Nashik. Study Center share can be paid in cash or cheque or DD as per the convenience of the student and study center. The admission form must be submitted to any of the Study Center of their choice where student has to undergo the academic session.

Admission forms sent directly to the University will not be accepted. University does not take any responsibility of such admission forms.

Note : The students who have already been registered to online computer programmes of YCMOU having PRN starting with "Y" should consult study centre for registration process.

16. Changing the Study Centre

Student once registered, cannot change the study center in between the academic year or the semester for which the fees has been paid. However, while taking the admission to next year, student can change the study center. Student should fill the form from the new study centre.

17. Re-registration of programme

The registration to the programme BCA / BSc (BIS) will be valid for the period of **5 years** from the year of registering for the first year. The student should complete BCA / BSc (BIS) successfully within the said period. After the expiry of the valid registration period, the student should re-register i.e. take fresh admission to the programme by paying university fees specified in the prospectus (provided the university continues to offer the programmes at that time). All the rules and regulations, which exist at the time of registration, will apply to the student. However, the student may be allowed to take advantage of credit transfer for the courses as per university rules.

18. Evaluation

Each course except CMP259, CMP253 and CMP210 has two components of evaluation:

- theory
- home assignment or practical(depending upon nature of course)

The projects, i.e. courses CMP259 and CMP210 will be evaluated, as major project while the course CMP253 will be evaluated as minor project.

The evaluation method for each component is given below:

- **Theory Examination:** Objective test (multiple choice questions) of 80 marks (Student has to get minimum 32 marks out of 80 for passing)
- **Assignments:** 2 Assignments of 50 marks each. Marks obtained out of 100 will be converted into out of 20 for reporting purpose. (Student has to get minimum 8 marks out of 20 for passing)

- **Practical Examination:** Practical Examination of 100 marks will be conducted. Marks obtained out of 100 will be converted in to out of 20. (Student has to get minimum 8 marks out of 20 for passing)
- **Major Project:** Major Project Exam shall carry 300 marks (Student has to get minimum 120 marks for passing). The distribution of marks is as follows:
 - Project Report 100 marks
 - Presentation 80 marks
 - Viva 60 marks
 - Demonstration 60 marks
- **Minor Project:** Minor Project Exam shall carry 100 marks (Student has to get minimum 40 marks for passing). The distribution of marks is as follows:
 - Project Report 40 marks
 - Presentation 40 marks
 - Viva 20 marks

The details of course wise evaluation components are given in **Appendix-B**. The evaluation of course shall be done according to the performance of students in the respective components.

Course Exemption

Course exemption is not available this year.

Award of Certificate

Student becomes eligible for award of certificate after successful completion of course included in the certificate programme.

Award of Degree

Student becomes eligible for award of degree after successful completion of courses included in the concerned degree programme.

Award of Class

The class of certificate and degree programmes shall be given according to the following table. The class of the degree will be awarded based on the marks obtained in the courses of semester IV and V.

Table 16 : Percentage and Class

Percentage of Marks	Class Description
75 and above	First Class with Distinction
60 -- 74.99	First Class
50 -- 59.99	Second Class
40 -- 49.99	Pass Class
Less than 40	Fail

19. How to seek admission?

The following instructions are being given to help you in seeking admission.

- Read the prospectus carefully.
- Fill your application form carefully and put your signature and date on it (admission form is available at the study centre) Student want to take admission for degree should fill the first year courses in the table ***Course Name and Course Code applied for** on the 2nd page.
- Attach photocopy of requisite qualification and cast certificates (attach attested copies only) to the application form.
- Paste your passport size photo on the application form.
- Get the application form verified and signed by the coordinator of the Study Centre.
- Submit your application form before the last-date-of-submission at the Study Centre along with relevant documents and the demand draft of the university fees.
- Take the receipt from the study center and preserve it till your admission is confirmed.
- **If you want to take admission for more than one programmes, it is necessary to fill separate application form for each programme. Each application form must accompany all the relevant documents and the DD of the university fees. Combine DD will not be accepted.**
- **Application forms received after the last-date-of-admission with late fees will be rejected(see Table 2 for the last dates of admission).**

20. Contact points at YCMOU

Policy Matters

Vice Chancellor, YCMOU

Academic Matters and Student Services

Director
School of Computer Science,
YCMOU, Nashik
Ph: (0253) 2230717
Email : scs.ycmou@gmail.com

Examination Related Matters

Controller of Examination or D. R. Examination,
YCMOU, Nashik
Ph: (0253)2230013

Admission Related Matter

Deputy Registrar Registration Section
YCMOU, Nashik
Ph: (0253)2231118

Difficulties in any course, at the study Centre

Counselor /Co-ordinator, at the study centre

Other general difficulties & planning of academic activities, at Study Centre

Programme Coordinator at the study center

Appendix A

Table 17: Study Material Details

Sr. No.	Course	YCMOU Books / Book from Market	Video Lectures
1.	Programming Expertise in C	YCMOU Books	Available
2.	Data Structures through C	YCMOU Books	Available
3.	OOPs and C++	YCMOU Books	Available
4.	Programming Excellence through VB.NET	YCMOU Books	Available
5.	Visual Programming	YCMOU Books	Available
6.	Computer Fundamentals	YCMOU Book/Book from Market	Not Available
7.	Office Tools	YCMOU Books	Not Available
8.	Visual Basic	YCMOU Books	Not Available
9.	Oracle	YCMOU Books	Not Available
10.	Operating Systems	Book from Market	Not Available
11.	Systems Analysis and Design	YCMOU Books	Not Available
12.	Principles of Database Management System	Book from Market	Not Available
13.	Business Information Systems	Book from Market	Not Available
14.	Linux	YCMOU Books	Not Available
15.	JAVA	Book from Market	Not Available
16.	Computer Organization	Book from Market	Not Available
17.	ERP	Book from Market	Not Available
18.	E-Commerce	Book from Market	Not Available
19.	Computerized Financial Accounting	YCMOU Books	Not Available
20.	Study Skills	Book from Market	Not Available
21.	Communication Skills and Technical Writing	Book from Market	Not Available
22.	Professional Development	Book from Market	Not Available
23.	Programming Excellence through C#	YCMOU Books	Available
24.	Enterprise solutions using J2EE	YCMOU Books	Available
25.	Building Web Portals through ASP.Net	YCMOU Books	Available
26.	Data Communication and Networking	YCMOU Books	Not Available
27.	Statistical Techniques	Book from Market	Not Available
28.	Mathematics for Computers	YCMOU Books	Not Available
29.	Distributed Computing Through COM/DCOM	YCMOU Books	Available
30.	DirectX Game Programming	YCMOU Books	Available
31.	Humanities & Social Obligation	Book from Market	Not Available

Appendix B

Table 18: Course Evaluation Components

Sr. No.	Course Code	Name of Course	Credit Points	Components for evaluation	
				I	II
1	CMP130	Visual Basic	4	Theory	Practical
2	CMP201	Programming Expertise in "C"	4	Theory	Practical
3	CMP202	Data Structures Through C	4	Theory	Practical
4	CMP203	OOP's & C++	4	Theory	Practical
5	CMP204	Office Tools	4	Theory	Practical
6	CMP206	Principles of Database Management Systems	4	Theory	Practical
7	CMP207	Computer Fundamentals	4	Theory	Practical
8	CMP208	Business Information Systems	4	Theory	Assignments
9	CMP209	Data Communication & Networking	4	Theory	Assignments
10	CMP210	Project(BSc-BIS)	12	Major Project	---
11	CMP211	Visual Programming	4	Theory	Practical
12	CMP212	Building Web Portals through ASP.Net	4	Theory	Practical
13	CMP213	Programming Excellence through C#	4	Theory	Practical
14	CMP214	Expertise Solution using J2EE	4	Theory	Practical
15	CMP216	Distributed Computing Through COM/DCOM	4	Theory	Practical
16	CMP217	DirectX Game Programming	4	Theory	Practical
17	CMP220	Programming Excellence through VB.Net	4	Theory	Practical
18	CMP221	Statistical Techniques	4	Theory	Assignments
19	CMP222	Computerised Financial Accounting	4	Theory	Practical
20	CMP223	Computer Organisation	4	Theory	Assignments
21	CMP226	ERP	4	Theory	Assignments
22	CMP227	E-Commerce	4	Theory	Assignments
23	CMP230	Communication Skills & Tech Writing	4	Theory	Assignments
24	CMP242	Humanities & Social Obligation	4	Theory	Assignments
25	CMP247	JAVA	4	Theory	Practical
26	CMP248	Linux	4	Theory	Practical
27	CMP250	Mathematics for Computers	4	Theory	Assignments
28	CMP253	New Development in Information Technology	4	Minor Project	---
29	CMP255	Operating Systems	4	Theory	Assignments
30	CMP256	Oracle	4	Theory	Assignments
31	CMP258	Professional Development	4	Theory	Assignments
32	CMP259	Project(BCA)	12	Major Project	---
33	CMP262	Study Skills	4	Theory	Assignments
34	CMP263	Systems Analysis & Design	4	Theory	Assignments

Appendix C

Table 19: Course Fees

Sr No	Course Code	Name of Course	Course Fee in Rs.		
			TOTAL	SCF	UPF
1	CMP130	Visual Basic	2100	1400	700
2	CMP201	Programming Expertise in "C"	2100	1400	700
3	CMP202	Data Structures Through C	2100	1400	700
4	CMP203	OOP's & C++	2100	1400	700
5	CMP204	Office Tools	2100	1400	700
6	CMP205	Software Engineering	1100	700	400
7	CMP206	Principles of Database Management Systems	2100	1400	700
8	CMP207	Computer Fundamentals	2100	1400	700
9	CMP208	Business Information Systems	2100	1400	700
10	CMP209	Data Communication & Networking	1100	700	400
11	CMP210	Project(BSc-BIS)	4100	2800	1300
12	CMP211	Visual Programming	3600	2450	1150
13	CMP212	Building Web Portals through ASP.Net	2600	1750	850
14	CMP213	Programming Excellence through C#	2600	1750	850
15	CMP214	Expertise Solution using J2EE	3600	2450	1150
16	CMP216	Distributed Computing Through COM/DCOM	3600	2450	1150
17	CMP217	DirectX Game Programming	4100	2800	1300
18	CMP220	Programming Excellence through VB.Net	2600	1750	850
19	CMP221	Statistical Techniques	1100	700	400
20	CMP222	Computerised Financial Accounting	2100	1400	700
21	CMP223	Computer Organisation	1100	700	400
22	CMP226	ERP	1100	700	400
23	CMP227	E-Commerce	1100	700	400
24	CMP230	Communication Skills & Tech Writing	1100	700	400
25	CMP242	Humanities & Social Obligation	1100	700	400
26	CMP247	JAVA	2100	1400	700
27	CMP248	Linux	2100	1400	700
28	CMP250	Mathematics for Computers	1100	700	400
29	CMP253	New Development in Information Technology	1100	700	400
30	CMP255	Operating Systems	1100	700	400
31	CMP256	Oracle	3600	2450	1150
32	CMP258	Professional Development	1100	700	400
33	CMP259	Project(BCA)	4100	2800	1300
34	CMP262	Study Skills	1100	700	400
35	CMP263	Systems Analysis & Design	1100	700	400

Note: The fees mentioned in the above table are subject to change without prior notice during any academic year.

Appendix D

University Grants Commission Resolution (2004)



विश्वविद्यालय अनुदान आयोग
बहादुरशाह जाफर मार्ग
नई दिल्ली- ११० ००२
UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110002

FI-52/2000(CPP-II) '
The Registrar / Director
Of all the Indian Universities
(Deemed, State, Central Universities /
Institutions of National importance)

5 MAY 2004

Subject: Recognition of Degrees awarded by Open Universities.

Sir/Madam,

There are a number of open Universities in the country offering various degrees/diploma through the mode of non-formal education. **The Open Universities have been established in the country by an Act of Parliament or State Legislature in accordance with the provisions contained in Section 2(f) of University Grants Commission Act, 1956. These universities are, therefore, empowered to award degrees in terms of Section 22(1) of the UGC Act, 1956.**

A circular was earlier issued vide UGC letter N.F.I-8/92(CPP) dated February, 1992 mentioning that the Certificate, Diplomas and Degrees awarded by Indira Gandhi National Open University are to be treated equivalent to the corresponding awards of the Universities in the country.

Attention is further invited to UGC circular No.FI-25/93(CPP-II) dated 28th July, 1993 (copy enclosed) for recognition of degrees and diplomas as well as transfer of credit for courses successfully completed by students between the two types of universities so that the mobility of students from Open University stream to traditional Universities is ensured without any difficulty.

The UGC has specified the nomenclature of degrees under Section 22(3) of the UGC Act, 1956 to ensure mandatory requirements viz. minimum essential academic inputs required for awarding such degrees. A copy of Gazette Notification regarding specification of degrees issued vide No.I-52/97(CPP-II) dated 31st January 2004 is enclosed. The details are also given in UGC Web site : www.ugc.ac.in

May, I therefore request you to treat the Degrees / Diploma / Certificates awarded by the Open Universities in conformity with the UGC notification on Specification of Degrees as equivalent to the corresponding awards of the traditional Universities in the country.

Yours faithfully

(Dr. Mrs. Pankaj Mittal) Joint Secretary

मुक्त विद्यापीठाच्या पदव्यांना समकक्षता व शासन मान्यता

१) अन्य विद्यापीठांच्या पदवीशी समकक्षता

मा. शिक्षण संचालक (उच्च शिक्षण) महाराष्ट्र राज्य यांच्या पत्र क्र. समक (उ. शि.)/१०९४/३२८६१/मवि-१, दि. ३० ऑक्टोबर १९९५ च्या पत्रान्वये 'केंद्रीय किंवा राज्य विधिमंडळाने अधिनियमाद्वारे भारतातील विद्यापीठाने दिलेली पदवी/पदविका आणि संसदेने अधिनियमाद्वारे इतर शैक्षणिक संस्था प्रस्तावित केलेल्या आहेत किंवा विद्यापीठ अनुदान आयोग अधिनियम (१९५६) मधील कलम क्र. ३ अन्वये मानीव विद्यापीठे घोषित केली आहेत अशांच्या बाबतीत पदवी किंवा पदविका मान्यता देण्याबाबतचे औपचारिक आदेश विद्यापीठाने काढण्याची आवश्यकता नाही'.

यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ हे महाराष्ट्र राज्याच्या विधिमंडळाने अधिनियमाद्वारे (कायदा क्र. २०/१९८९) स्थापन केलेले विद्यापीठ असून त्यास विद्यापीठ अनुदान आयोगाचीही मान्यता आहे. त्यामुळे या विद्यापीठाची पदवी इतर विद्यापीठांच्या पदवीशी समकक्ष आहे.

२) विद्यापीठ अनुदान आयोगाची मान्यता

विद्यापीठ अनुदान आयोग, नवी दिल्ली यांनी त्यांचे पत्र क्र. F/S-15/89 (CPP-1) दि. ८ डिसेंबर १९९२ नुसार विद्यापीठ अनुदान आयोगाच्या १९५६ च्या कायद्यातील कलम १२-बी अन्वये यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठास मान्यता दिली आहे.

३) महाराष्ट्र लोकसेवा आयोगाची मान्यता

उपसचिव व परीक्षा नियंत्रक, महाराष्ट्र लोकसेवा आयोग, मुंबई यांच्या पत्र क्र. १४७७ (१७/१९९४/कक्ष) दि. १७ फेब्रुवारी १९९४ च्या पत्रातील मान्यतेसंबंधीचा मजकूर - 'यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ हे संविधिमान्य (Statutory) असल्यामुळे आपल्या विद्यापीठाच्या पदवीधर विद्यार्थ्यांकडून आलेले अर्ज देखील इतर मान्यताप्राप्त विद्यापीठांच्या पदवीधर उमेदवारांकडून आलेल्या अर्जांप्रमाणेच आयोगाकडून विचारात घेतले जातील'

मुक्त विद्यापीठाच्या पदवी/पदविकांना महाराष्ट्र शासन मान्यता

विद्यापीठ अनुदान आयोगाने मान्यता दिलेली विद्यापीठे

राज्य सेवेतील पदसांठी पदवी/पदविकास मान्यता

महाराष्ट्र शासन

सामान्य प्रशासन विभाग

शासन निर्णय : क्रमांक आरजीडी-१३९४/प्र.क्र. २१/९४/१३, मंत्रालय, मुंबई
४०००३२, दिनांक ८ मार्च १९९५

वाचा : (१) सामान्य प्रशासन विभाग, शासन निर्णय क्रमांक आरजीडी-१०६१/१८९६७/११४ - जे दिनांक २१ ऑगस्ट १९६९

शासन निर्णय : महाराष्ट्र लोक सेवा आयोगाशी विचार विनिमय करून उपरोक्त दिनांक २१ ऑगस्ट १९६९ च्या आदेशाद्वारे असा निर्णय घेण्यात आला होता की, केंद्र अथवा राज्य विधिमंडळाच्या अधिनियमाद्वारे स्थापित झालेली विद्यापीठे, संसदेच्या अधिनियमाद्वारे स्थापन झालेल्या इतर शैक्षणिक संस्था, किंवा विद्यापीठ अनुदान आयोग अधिनियम, १९५६ च्या अंतर्गत भाग ३ अन्वये जाहीर झालेली मानवी विद्यापीठे यांनी प्रदान केलेल्या पदव्या / पदविका तसेच भारतीय वैद्यकीय मंडळ अधिनियम, १९५६ च्या परिशिष्टामध्ये अंतर्भूत केलेल्या वैद्यकीय व सल्लाग विषयामधील पदव्या यांना शासकीय महाविद्यालयातील अध्यापकीय पदे वगळता, राज्यातील सेवा व पदांवरील भरतीसाठी आपोआप मान्यता प्राप्त झाली असल्याचे समजण्यात यावे.

(२) सदर आदेशासोबत विद्यापीठ अनुदान आयोगाने मान्यता दिलेल्या वैधानिक विद्यापीठे व संस्थांची यादी जोडण्यात आली होती. आयोग मान्यताप्राप्त विद्यापीठे व संस्था यांची अद्ययावत यादी आता या आदेशासोबत जोडण्यात आली आहे. शासन निर्णय, सामान्य प्रशासन विभाग, क्रमांक आरजीडी - १०६१/१८९६७/११४/जे दिनांक २१ ऑगस्ट १९६९ मध्ये नमूद केलेल्या आणि वर परिच्छेद १ मध्ये उद्धृत केलेल्या हेतूसाठी सदर सर्व विद्यापीठे/संस्था यांनी प्रदान केलेल्या पदवी/पदविकांना आपोआप मान्यता देण्यात आल्याचे समजण्यात यावे.

महाराष्ट्रचे राज्यपाल यांच्या आदेशानुसार व नावाने

दा. र. राणे

अवर सचिव, महाराष्ट्र शासन

प्रति,

- (१) राज्यपालांचे सचिव
- (२) मुख्य मंत्र्यांचे सचिव
- (३) सचिव, महाराष्ट्र लोकसेवा आयोग, मुंबई
- (४) महालेखापाल, महाराष्ट्र-१, मुंबई
- (५) महालेखापाल, महाराष्ट्र -२, मुंबई
- (६) निवासी लेखा परीक्षा अधिकारी, मुंबई
- (७) अभिदान व लेखा अधिकारी, मुंबई
- (८) प्रबंधक, उच्च न्यायालय (मूळ न्याय शाखा), मुंबई
- (९) प्रबंधक, उच्च न्यायालय (अपील शाखा), मुंबई
- (१०) प्रबंधक, लोक आयुक्त व उप लोक आयुक्त यांचे कार्यालय, मुंबई
- (११) सर्व मंत्रालयीन शिक्षण
- (१२) मंत्रालयीन विभागांच्या नियंत्रणांच्या नियंत्रणाखालील सर्व विभाग प्रमुख व कार्यालय प्रमुख
- (१३) अवर सचिव, भारत सरकार, शिक्षण मंत्रालय, नवी दिल्ली
- (१४) निवड नस्ती

वाचा : महाराष्ट्र शासनाच्या उपरोक्त शासन निर्णय क्रमांक आर.जी.डी. १३९४/प्र.क्र.२१/९४/१३ मंत्रालय, मुंबई. दिनांक ८ मार्च १९९५ च्या सोबत जोडलेल्या यादीमध्ये यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक यांची अनुक्रमांक १४६ वर नोंद करण्यात आलेली आहे.

विद्यापीठ गीत

एक प्रतिज्ञा असे आमुची ज्ञानाची साधना ।
विरतन ज्ञानाची साधना ।
ज्ञान हेच संजीवन साऱ्या जगताच्या जीवना ॥ ६ ॥

ज्योत जागवू सुजाणतोची सकलत्रांच्या अंतरी ।
तीच निवारील पटल तमाचे प्रभात सूर्यापरी ।
ज्ञानच देउळ, ज्ञानच दैवत, प्रगतीच्या पूजना ॥ १ ॥

नव्या युगाचा नव्या जगाचा ज्ञान घर्म आहे ।
त्यातच अमुच्या उजळ उद्याचे आश्वासन राहे ।
भुवत्त करिल तो परंपरेच्या बंदिघरातुन मना ॥ २ ॥

हाच मंत्र नेईल आम्हाला दिव्य भविष्याकडे ।
न्यायनीतीचे पाऊल जेथे भेदाशी ना अडे ।
जे जे मंगल पावन त्याची जेथे आराधना ॥ ३ ॥

कुसुमाग्रज

“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*

Yashwantrao Chavan Maharashtra Open University

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