ABOUT US

Advanced Computer College, Osmanabad established in July 2008, affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.Reg.No. Edu/reg/MAK 2008-09 17648-50 "Prayag Samajonnati Mandal Deodhanora Sanchalit" Recognized under section
2(F) of the UGC act 1956 F.No: 8-582/2012(CPP-I/C) & ISO 9001-2008 Certified. This college is managed by Prayag Samajonnati Mandal Deodhanora, Tq. Kalamb. With the mission "Work is Worship".

Advanced Computer College has been established with clearly laid down objectives to give an opportunity to the youth of rural area like Osmanabad in the field of Computer Science, Management and Information Technology. The establishers had vision to produce the young aspiring students to be a part of college while learning, and pass out successfully as valuable citizens of tomorrow. Since last 14 years college is progressing day by day.

Our college offers a variety of regular-full time Post-graduate and under graduate Courses in the field of Computer Science, Information Technology and Management Science.

Post-Graduate and Under-Graduate Courses Offered:

Science Faculty:

➢ M.Sc. (Computer Science)

➢ B.Sc. (Computer Science)

Commerce and Management Science Faculty:

➢ B.C.A. (Bachelor of Computer Application)

FROM THE FOUNDER'S & PRINCIPAL'S DESK

Founders Message:-

I welcome you all whole-heartedly to Prayag Samajonnati Mandal's Advanced Computer College, Osmanabad. College was started with the aim of imparting quality education to all. Education is a very important contributing element to both social mobility and economic development. Technological progress in the last few decades in communication, transportation and information has helped to eliminate national barriers and create a global market place.

At this college, our mission is to encourage students to develop confidence, self-motivation, research and problem solving skill sets and importantly to think independently. Furthermore, we aim to provide an academically exhilarating environment allowing our students to enjoy a first class educational and social experience. We give top priority to discipline and knowledge.

Principal's Message:-

It is my pleasure to welcome each one of you, on behalf of the Computer Science, Information Technology and Management, Staff and Myself, to this premier institution of higher education. In this highly globalized world, knowledge is the real power, the religion of modern man.

Computer Technology and Management expects that professionals of tomorrow should have a vision. They should be well equipped with requisite knowledge and skills. The groups of students who are studying in this college are giving good account of themselves on one hand and that provide further motivation for still improving the performance of the institute so that it becomes one of the best in short time frame.

While wishing you a very pleasant and fruitful stay at the college, I hope that you will become responsible citizens and work for the upliftment of society after graduating from the institute and make us proud.

Prayag Samajonnati Mandal Deodhanora Sanchalit,

ADVANCED COMPUTER COLLEGE

In front of District Central Jail, Aurangabad Road Osmanabad-413501

E-Mail ID:-advancedcollege26@gmail.com

Website: - https://advancedcomputercollege.com   Tel:02472) 222526

POST GRADUATE AND UNDER GRADUATE COURSES AT OUR COLLEGE

M.Sc. (Comp.Sci.) / M.C.S.

Master Of Computer Science   Intake : 30

Two Year Full Time Post Graduate Course

Affiliated to Dr.B.A.M.U Aurangabad & Approved by Govt. of Maharashtra

B.Sc. (Comp.Sci.) / B.C.S.

Bachelor Of Computer Science   Intake : 60

Three Year Full Time Under Graduate Course

Affiliated to Dr.B.A.M.U Aurangabad & Approved by Govt. of Maharashtra

B.C.A. Bachelor Of Computer Application   Intake : 60

Three Year Full Time Under Graduate Course

Affiliated to Dr.B.A.M.U Aurangabad & Approved by Govt. of Maharashtra

Computer Science Faculty

Course	Post Graduate & Under Graduate Courses	Intake/ Duration	Eligibility
M.Sc. (C.S.) /M.C.S.	Master of Computer Science	**30** **2 Years** **(Four Semesters)**	A candidate shall be admitted to the First Year for the Master of Science (Computer science) in the Faculty of Science, provided that he/she passes Computer Science as one of the Optional subjects at B.Sc. level B.E. / Any Other Bachelor1s Degree in Computer Science of this University Or any Other University recognized as equivalent thereto with minimum of 50% of Marks (45% of Marks for Reserved Category). In case of vacancies not filled due to non-availability of students with above mentioned criteria, the student's with B.Sc. Physics/ Electronics/ Mathematics as one of the optional subjects may also be considered for the admission.
B.Sc. (C.S.) / B.C.S.	Bachelor of Computer Science	**60** **Three Years** **(Six Semesters)**	He/ She must have passed the higher secondary (multipurpose) examination conducted by H.S.C. board Government of Maharashtra with science / technical subjects Or an Examination of any statutory University and Board recognized as equivalent thereto. **OR** He/ She must have passed examination prescribed at the end of second year of the junior college conducted by the H.S.C. board, Government of Maharashtra with English, Second language, Physics, Chemistry, Mathematics and or Biology or one of the technical subjects prescribed at the said examination as the optional or elective subjects or an examination recognized as equivalent thereto. **OR** Candidate having offered prescribed Vocational course (MCVC) with Computer techniques/I.T./Electronics. **OR** Three years Diploma Course in engineering conducted by the board of technical education.
B.C.A.	Bachelor of Computer Application	**60** **3 Years** **(Six Semesters)**	A Candidate who has passed his H.S.C. examination from any stream from Maharashtra state Board of Secondary & Higher Secondary education, Pune or any other examination equivalent thereto is eligible to join the First semester of Bachelor of Computer Application (BCA) Course. **OR** A candidate who has passed Diploma of Engineering from the Board of Technical Education Govt. of Maharashtra or any other examination equivalent thereto shall be eligible to join the first semester of BCA.

SYLLABUS
M.Sc. (Computer Science)/M.C.S. Post Graduate Course   Intake:30

Master of Computer Science
Two year full Time Post Graduate Course (Four Semesters)
Affiliated to Dr. Babasaheb Ambedkar Marathwada University,
Aurangabad & Approved by Govt. of Maharashtra.

Eligibility:

i) B.Sc. Computer Science **OR** B.Sc. I.T. **OR** B. Sc. Computer Application **OR**
B.E./B. Tech. in Computer Science and Engineering / I.T.

OR ii) Any Science Graduate with at least one Optional Subject as Computer
Science.

In case of vacancies not filled due to non-availability of students with
above mentioned criteria, the students with B.Sc. Physics / Electronics /
Mathematics as one of the optional subjects may also be considered for
the admission.

COURSE STRUCTURE OF MASTER OF COMPUTER SCIENCE
FIRST YEAR (PART – I)

Semester I   Semester II

Sr. No.	Subject	Sr. No.	Subject
1	Research Methodology	8	Technical Report Writing
2	Constitution of India	9	Advanced Java
3	Core Java	10	Data Communication
4	Introduction to Algorithms	11	Software Engineering
5	Relational Databases Management Systems	12	Data Mining
6	Mathematical Foundations and Statistical Methods	13	Machine Learning
7	Modern Operating System		

SECOND YEAR (PART – II)

Semester III		Semester IV	
Sr. No.	**Subject**	**Sr. No.**	**Subject**
14	Android	20	Dissertation Review-1
15	Compiler Design	21	Dissertation Review-2
16	Computer Graphics	22	Dissertation Review-3
17	Data Warehousing	23	Final Dissertation
18	Big Data Analytics	24	Seminar
19	Service Course (Any One)		
	i. Intellectual Property Rights ii. Development of soft skills and personality. iii. R-Tools iv. Communication Skills v. Introduction to MATLAB		

SYLLABUS

B.Sc. (Computer Science)/B.C.S.Under Graduate Course   **Intake: 60**

Bachelor of Computer Science

Three year full Time under Graduate Course (Six Semesters)

Affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad & Approved by Govt. of Maharashtra

Eligibility:

He/ She must have passed the higher secondary (multipurpose) examination conducted by H.S.C. board Government of Maharashtra with science / technical subjects Or an Examination of any statutory University and Board recognized as equivalent thereto.

<div align="center">OR</div>

He / She must have passed examination prescribed at the end of second year of the junior college conducted by the H.S.C. board, Government of Maharashtra with English, Second language, Physics, Chemistry, Mathematics and or Biology or one of the technical subjects prescribed at the said examination as the optional or elective subjects or an examination recognized as equivalent thereto. **OR**

Candidate having offered prescribed Vocational course (MCVC) with Computer techniques/I.T./Electronics

OR

Three years Diploma Course in engineering conducted by the board of technical Education, Maharashtra State.

COURSE STRUCTURE OF BACHELOR OF COMPUTER SCIENCE
FIRST YEAR (PART - I)

	Semester I		Semester II
Sr. No.	**Subject**	**Sr. No.**	**Subject**
1)	Computer Fundamentals	11)	Data Structure
2)	Digital Electronics	12)	8086 Microprocessor
3)	Operating System-I	13)	Operating System-II
4)	Programming in C	14)	Advanced Programming in C
5)	Mathematical Foundation (M-1)	15)	Numerical Methods (M-2)
6)	Programming Methodology	16)	Database Management System
7)	English Communication Skill (Linguistic Approach)	17)	English Communication Skill (Soft Skill Development)
8)	Marathi/Hindi	18)	Marathi/Hindi
9)	Lab Course (based on CS-111T and CS-112T)	19)	Constitution of India
10)	Lab Course (based on CS-113T and CS-114T)	20)	Lab Course (based on CS-211T and CS-212T)
11)	Lab Course (based on CS-115T and CS-116T)	21)	Lab Course (based on CS-213T and CS-214T)
		22)	Lab Course (based on CS-215T and CS-216T)

SECOND YEAR (PART – II)

	Semester III		Semester IV
Sr. No.	**Subject**	**Sr. No.**	**Subject**
21)	Object Oriented Programming Using C++	30)	Core Java
22)	Relational Database Management System	31)	Computer Graphics
23)	Linux Operating System	32)	Basic of Android OS
24)	Advanced Data Structure	33)	Computer Networks
25)	Computational Statistics Using R	34)	Data Analytics
26)	Web Fundamental	35)	Sec-2 (Any One) (C) Basic Python Programming (D) Emotional Intelligence
27)	Sec-1 (Any One) (A) Office Automation (B) Critical Thinking	36)	Communication Skill in English-IV
28)	Communication Skill in English-III	37)	Marathi/Hindi (SL-IV)
29)	Marathi/Hindi (SL-III)	38)	Environment Studies

THIRD YEAR (PART – III)

Semester V   **Semester VI**

Sr. No.	Subject	Sr. No.	Subject
41)	Software Cost Estimation	53)	Software Quality & Testing
42)	Basic of Androdi O.S.	54)	Android Application Development
43)	Core Java – II	55)	Theory of Computation
44)	Basic of Computer Graphics	56)	Advanced Computer Graphics
45)	Beginners Prog. With	57)	*Advanced prog. With PHP
46)	*Basic of ASP Net PHP .	58)	*Programming Language:C#
47)	#Data Mining	59)	#E - Commerce
48)	#Advanced Networking	60)	# Ethics and Cyber Law p.
49)	Pr. Based on Adv. Java	61)	Pr. Based on Android Develo
50)	Pr. Based on Comp. Graphics	62)	Pr. Based on PHP/ C#
51)	Pr. Based on Android O.S.	63)	Major Project
52)	Pr. Based on PHP/ ASP.Net		

*and # any one Paper is to be opted from the Group.

SYLLABUS

B.C.A. UNDER GRADUATE COURSE   **Intake: 60**

Bachelor of Computer Application
Two year full Time Post Graduate Course (Six Semesters)
Affiliated to Dr. Babasaheb Ambedkar Marathwada University,

Aurangabad & Approved by Govt. of Maharashtra.

Eligibility:

A Candidate who has passed his H.S.C. examination from any stream from Maharashtra state Board of Secondary & Higher Secondary education, Pune or any other examination equivalent thereto is eligible to join the First semester of Bachelor of Computer Application (BCA) Course.

OR

A candidate who has passed Diploma of Engineering from the Board of Technical Education Govt. of Maharashtra or any other examination equivalent thereto shall be eligible to join the first semester of BCA

COURSE STRUCTURE OF BACHELOR OF COMPUTER APPLICATION
FIRST YEAR (PART – I)

Semester-I   **Semester-II**

Sr. No.	Subject	Sr. No.	Subject
1)	Accountancy I	7)	Accountancy II
2)	Industrial Economics	8)	Industrial Organization
3)	Business Statistics	9)	Mathematics
4)	Operating System- I	10)	Programming in C
5)	Communication Skill	11)	Principles Of Management
6)	Elective Paper [any one]	12)	Elective Paper [any one]
i) ii)	Basic Web Technology -I Office Automation Tools	i) ii)	Operating System II Basic Web Technology -II

SECOND YEAR (PART – II)

Semester III   **Semester IV**

Sr. No.	Subject	Sr. No.	Subject
13)	Principles Of Management	19)	Cost Accountancy
14)	OOPs using C++	20)	Java Programming
15)	Business Law – I	21)	MIS & DSS
16)	DBMS	22)	Business Law – II
17)	E-Business Essentials	23)	Entrepreneurship Development
18)	Elective Paper [any one]	24)	Elective Paper [any one]
i) ii)	Structure & Data Algorithm RDBMS using ORACLE	i) ii)	PC Maintenance Advance Networking

THIRD YEAR (PART – III)

Semester V   **Semester VI**

Sr. No.	Subject	Sr. No.	Subject
25)	Management Accounting	31)	Elements Of Commercial Portals(HTML5)
26)	SQL.2017	32)	Android 9
27)	V.B	33)	Business Law - III
28)	Organizational Behaviors	34)	Project Report
9)	Software Engineering	35)	Software Testing
30)	Elective Paper [any one]	36)	Elective Paper [any one]
i) ii)	Banking & Insurance Retail Management	i) ii)	Services Marketing Export Management

NECESSARY DOCUMENTS FOR ADMISSION:

DOCUMENTS FOR POST GRATUATE ADMISSION:

M.Sc (Comp.Sci.), D.B.M.

Following are essential documents with the Admission form:

* Original T.C. & Two -Xerox copies.
* Graduation Original Mark-Memo & Two - Xerox copies. ✶ H.S.C. Mark-Memo Two Xerox copies ✶ S.S.C. Mark-Memo Two Xerox copies. ✶ Two Passport Size Photographs.
* Caste Certificate & Two-Xerox copies.
* Nationalize bank Account Passbook Xerox copy for scholarship Student.
* Migration Certificate (Student from other university) ✶ Income Certificate of previous year.

DOCUMENTS FOR UNDER GRATUATE ADMISSION:

B.Sc. (Comp.Sci), B.C.A.

Following are essential documents with the Admission form:

* Original T.C. & Two -Xerox copies.
* H.S.C. Original Mark-Memo & Two Xerox copies.
* S.S.C. Mark-Memo Two Xerox copies. ✶ Two Passport Size Photographs.
* Caste Certificate & Two-Xerox copies.
* Nationalize bank Account Passbook Xerox copy for scholarship Student.
* Income Certificate of previous year.

RULES & REGULATIONS

General Rules:

- ➢ The student should be regular in attendance and his/her attendance for the day shall be marked when he/she is present for all sessions during day. Minimum 75% attendance is compulsory for grant of term. If the student is found irregular in attendance .he/she shall be expelled from college.
- ➢ The student is required to submit the assignments failing which he/she shall be subjected to disciplinary action.
- ➢ The attendance for the tests and tutorials conducted in the college in the college is compulsory.
- ➢ The student coming late shall not be allowed to enter the class.
- ➢ Students are required to switch off the mobile phones inside the college premises during academic sessions.
- ➢ The student should carry identity card with him regularly.
- ➢ The student should wear uniform is compulsory.
- ➢ Smoking, pan masala, any tobacco products, chewing pan is strictly prohibited.
- ➢ The student should read the notices displayed on the notice board regularly and the college will not be responsible for the loss or any disadvantages due to negligence of reading notices on the part of the student.
- ➢ Ragging is viewed as a very serious offence and student will be rusticated if caught indulging in the act.
- ➢ The student found not caused any damage to the college's property. The damage caused shall be recovered from the student immediately.

The above rules of discipline are always subject to change, modification, addition, omission or alternation as and when the decisions of the principal shall be final.

FEES STURCTURE PER YEAR

Sr. No.	Particulars	M.Sc. (Comp.Sci.)	B.Sc. (Comp.Sci.)	B.C.A	D.B.M.
1.	Admission Fees	200	200	200	200
2.	Tuition Fees	20000	13000	13000	10000
3	Library Fees	50	200	200	500
4	Laboratory Fees	12000	10000	10000	1000
5	Sports Fees	50	50	50	50
6	Students Welfare Fees	50	50	50	50
7	Gathering	50	50	50	50
8	College Exam Fees	50	50	50	50
9	Library Deposit	50	50	50	50
10	Environmental Science	50	50	50	50
11	Identity Card	10	10	10	10
12	Eligibility Fees	50	50	50	50
13	N.S.S. Student Fees	0	10	10	10
14	Disaster Management	50	50	50	50
15	Youth Festival Fees	50	50	50	50
16	Magazine Fees	50	50	50	50
17	Medical Exam Fees	50	50	50	50
18	College Develop. Fees	100	100	100	100
	TOTAL	32910	24070	24070	12370

Note: The Fees Structure Mentioned above is Subject to change as per university rules and regulations.