



ESTABLISHMENT: 1998

ISO 9001-2015 Certified

Regd. No. NGC/3598/NMV/01/98 MS 3 Dt. 13/8/98

Ajantha Education and Military Preparatory Institute's

INDRARAJ ARTS, COMMERCE AND SCIENCE COLLEGE

Jalgaon Road, Sillod
DIST. AURANGABAD, (M.S.) INDIA-431112

Affiliated to: Dr. Babasaheb Ambedkar Marathwada University Aurangabad
Recognized under section 2(f) and 12B of UGC Act 1956

PROSPECTUS

2022-2023

Email-id : indraraj_cs@rediffmail.com
Website : www.indraraj.in
Telephone No. : 02430-223200, 223201



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INFORMATION BROCHURE

ACADEMIC YEAR: 2022-2023

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MESSAGE...



Hon. Shri. Uttamsingh Pawar
President,
A. E. & M. P. I., Aurangabad.

We welcome all the students and the stakeholders in Ajantha Education and Military Preparatory Institute's **Indraraj Arts, Commerce and Science College, Sillod**, which stands as a one of the most progressive and innovative colleges in the region. It is one of the premier academic institutions, committed to achieve the highest academic standards. Our institution provides an opportunity to its students to choose and enroll in programs that are best suited to them. Known for its educational, cultural, social and spiritual enterprises, the Indraraj College has been conferred with the status of 2(f) & 12-B by University Grants Commission, New Delhi.

We, at our institute, offer an excellent academic and sports environment to help students to develop overall personality while pursuing their education. We believe that in the present competitive environment, only the fittest will survive. We provide in-house training for MPSC, UPSC and other Competitive Examinations. Our Laboratories and Library provide vital support for research to the staff and students. Our mission, therefore, is to impart quality education to our students with a global vision and holistic perspective. We provide education that promotes innovation, kindles creativity and instills ethical practices. Apart from the routine academic exercises, multiple opportunities are offered to students through varied co-curricular and extracurricular activities, providing them a training ground to meet the challenges in life. It is, therefore, with certainty that the environment in college would furnish its students the best experience through the best possible staff, services and facilities. For parents, it is a promise of exciting careers for their wards; and above all, we ensure excellent graduates and dedicated citizens to the society.

We welcome you all with the Best Wishes....!

From the Principal's Desk...



Dear Students!

Warm welcome to all of you in a prestigious and committed college of Ajantha Education and Military Preparatory Institute's, Aurangabad. Right from the establishment our college is committed to the cause of sculpturing the young generation which are the future and real architect of our country. The college seeks to achieve the highest levels of distinction in the dissemination of the knowledge and understanding by providing students conventional as well as nonconventional courses to meet the dire needs of the land through a sound all-rounded academic development and excellence.

The commitment and devotion of all the stakeholders of our college, promising performance of the faculties with visionary guidance of management of the college enable our students to accept challenges in life with better performance. All our curricular, co-curricular and extra-curricular activities are student oriented. We always try to provide a critical insights to our students with which they may find the routs to reach the desired destinations in life.

ISO 9001:2015 certified Quality Management System implemented in this college. The college is well known for qualified and experienced faculty, good infrastructure which includes classrooms, library with e-library, N-List facility, and well-furnished separate departments with LAN, Intercom & Internet facility, Conference hall, central auditorium, sports facilities, laboratories and language lab entirely devoted for our students. Various co-curricular and extra-curricular activities that help the students to learn, practice, plan and execute the theoretical knowledge gained during their stay in the college. Students of the college are rankers at all the examinations conducted by the Board, the University and various sport competitions as well.

If you are looking for success, excellence in education, developing your leadership qualities and all round development, I think this college should be your first and only choice in our region. I, on behalf of our entire team assure our students the quality education to achieve excellence in the concerned fields.

I welcome all of you as a member of Indraraj family and also wish you all a very happy, healthy and peaceful future.

Dr. P. P. SHARMA

VISOIN, MISSION AND QUALITY OBJECTIVES

Mottos:

“Knowledge liberates mankind”

Visions:

Endeavour to achieve overall development of people in general and the deprived social sections in particular through centers of advanced knowledge ever progressing towards excellence.

Mission:

Establishment of centers of higher learning to impart quality higher education. Providing opportunities of availing knowledge and skills to socially, culturally and economically deprived sections of society. Inculcation of age old value system as well as the modern life values in students so as to make them highly responsible and disciplined citizens engaged in nation building.

Quality Policies:

1. To seek cooperation of people having zeal to strive for the cause of education.
2. To make available the first rate human resource dedicated to impart standard education.
3. Organization of training programmes, appraisal exercise and welfare measures for staff.
4. Admitting students from backward sections, providing them all kinds of support and bringing them in the mainstream of society.
5. Organization of sporadic academic and administrative audits to ensure the efficient functioning of the Institute.
6. Making all our efforts for career counseling, training and placement.
7. To provide state-of-the-art infrastructure facilities for the smooth academic growth.
8. Budget priorities for knowledge resources, research, students' and teachers' academic welfare.
9. Giving freedom to the staff to take the college forward towards excellence utilizing their leadership and intellectual qualities.
10. To participate in the national accreditation and ranking programmes.

SALIENT FEATURES

- Since last 24 years being recognized as the promising center of higher education in the region.
- Affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- College recognized under section 2(f) and 12(B) of the UGC Act, 1956.
- ISO 9001:2015 certified college.
- Highly qualified faculties with perpetual promising performance.
- Academic Programmes:
 - Junior College: XI-XII Arts and Science
 - Graduation: B. A., B. Sc., B. C. S.
 - Post-Graduation: M. Sc. (Chemistry), M. Sc. (Computer Science)
 - Career Oriented and Add on programs;
 - Research Guidance for Ph. D.: Botany, Physics, History, Marathi, Hindi, and English & Sociology.
- Study Center of YCMOU, Nashik for Distance Education: B. Sc.-Mathematics.
- Achievement oriented Sports unit.
- N.S.S. three units with intake of 300 students.
- Competitive Examination guidance.
- Earn And Learn Facilities for Economically backward students.
- College central library with 6809 books and 22 journals.
- Online Library facility providing more than 97000 e-Books and 6000 e-Journals by UGC INFLIBNET: N-List Programme & knowledge Resource Center B. A. M. University Library.
- Alumni leading the entire spectrum of eminent positions: Industrialists, Doctors, Advocates, Engineers, Academicians, Scientists, Litterateurs, Artists, Sports persons, Politicians, etc.
- College Campus: 3 acres Green and Eco-Friendly campus with academic ambience, Classrooms with ICT facilities, Language Laboratory, well-equipped Computer and Science Laboratories, Sports Training Center and well-furnished Departments, Classrooms, Administrative Office, Parking, Canteen, Botanical Garden, C.C.TV Surveillance, RO water purifier, etc.



JUNIOR COLLEGE (Class XI & XII)

Eligibility for admission to Class XI & XII

- ❖ S.S.C. passed from Maharashtra State Board of Secondary and Higher Secondary Education from any division.
- ❖ Students passing S.S.C. from other states will have to obtain eligibility certificate of Aurangabad Divisional Board and submit the migration certificate within time.
- ❖ Students desirous to seek admission to XI Science should have secured minimum 40 percent marks in science subjects.
- ❖ Admissions are available as per the government rules based on merit and reservation.

Students should submit following documents in original along with 3-copies of each.

- ❖ School Leaving Certificate
- ❖ S.S.C. Marks Memo
- ❖ Eligibility Certificate (If applicable)
- ❖ Caste Certificate (If applicable)
- ❖ Income Certificate
(If the guardian's annual income is less than Rs.8, 00,000/-)
- ❖ E.B.C. forms (Two Copies)
- ❖ The application form should be accompanied by three passport size photographs.
- ❖ Aadhar Card & Election ID card Photocopies.

COURSE DETAILS

➤ ARTS FACULTY Std. XI /XII

1. Compulsory Subjects:

- 1) English (80:20 Pattern),
- 2) Environment Education (30:20 Pattern),
- 3) Health and Physical Education (50) Grades.

2. Second Language:

Marathi/Hindi (80:20 Pattern)

3. Optional Subjects:

Political Science, History, Sociology, Economics.

SCIENCE FACULTY: Std. XI/XII

1. Compulsory Subjects:

- 1) English (80:20 Pattern),
- 2) Environment Education (30:20 Pattern),
- 3) Health and Physical Education (50) Grades

2. Second Language: Marathi/Hindi (80:20 Pattern)

3. Optional Subject:

Physics, Chemistry, Biology (70:30 Pattern), Mathematics/Sociology (80:20 Pattern)

Senior College: For UG and PG Eligibility Criteria for Admission

- Candidate should pass either higher secondary certificate from Maharashtra or other statutory board from rest of Maharashtra or equivalent exam. Admission will be considered confirm after getting eligibility certificate from the University.
- Candidate should satisfy University result criteria of first year and second year of graduation for the admission in the third year of graduation.
- Candidate should take admission in college for every academic year till the completion of tenure of Programme/degree.
- A class/ Division or subject curriculum will be taught in college as per the academic calendar.
- Candidates from other than Dr. Babasaheb Ambedkar Marathwada University, Aurangabad should submit migration certificate within time limit given by University.
- A student seeking admission has to verify his/ her filled admission form from the college admission committee. Only verified admission form along with necessary documents and fees will be accepted in the college office.
- Initially all admissions will be provisional after scrutiny of documents admission will be confirmed. College has right to cancel the admission of any candidate if any Lacuna is found in admission process of that candidate.

Required Documents for Admission:

- Candidate should submit original certificates of the following mentioned documents and their three Xerox copies. (After admission, college will not return any Xerox copy of any certificate under any circumstances)

1. College leaving or transfer certificate	10. Annual Income of the Guardian (Rs.)
2. Marks memo of exam recently passed	11. Gap-Certificate (If applicable)
3. Caste & validity certificate from competent authority for backward classes	12. Ex-Serviceman / Freedom Fighter (If applicable)
4. Non Creamy Layer Certificate for EBC / Reserved Category	13. Project / Earthquake / Flood Affected Family (If applicable)
5. Certificate for Physically Challenged (If applicable)	14. Ward of Primary Teacher/Secondary Teacher (If applicable)
6. Affidavit for changed name / Marriage Certificate / Govt. Gazette	15. Resident of Tribal Area / Kashmir Migrant (If applicable)
7. Students Undertaking	16. Deserted / Divorced / Widowed Women (If applicable)
8. Aadhaar Card photocopy	17. Occupation of the Guardian : Service / Business / Profession /
9. Bank Account details	

Candidate should refer Notice board of the college before entering the office.

- Notices regarding dates of admission, exam fees, Scholarships etc. will be displayed on the notice board.
- the candidate will be responsible for any kind of delay in the above matters.

ADMISSION PROCEDURE

A) Admission:

- Students first have to register online to the desired course; Admission will be allowed as per merit list and schedule.
- Students should have prescribed original documents with 3 Xerox copies at the time of admission.
- All admissions are computerized, permanent registration number (PRN) will be assigned to each student.
- Necessary documents like eligibility certificate, migration certificate, E.B.C., scholarship and free ship forms must be submitted within stipulated time.
- All admissions are provisional. The College Principal & the University reserves the rights of final admission and may cancel any admission after verification of documents.
- For confirm admission, student have to pay prescribed fees Students must preserve all original fee receipts without which no refund will be entertained.
- Soon after admission, Identity Card should be obtained otherwise Rs.100/- will be charged for delayed collection & for duplicate I-card.
- Tuition fees will not be taken from national and international players seeking admission.
- A ward of primary and secondary teacher should provide an income certificate from the competent officer.
- Every student seeking admission to First Year course for the first time is required to obtain eligibility from University. A student has to apply in prescribed eligibility form, original mark-sheet and its true copy and pay the prescribed fees to obtain eligibility. Admission will not be confirmed unless eligibility is obtained from the University.
- The students of S.Y. & T.Y. classes should attach the attested copy of mark sheet of the previous examination to the admission form.
- Students from other colleges within the jurisdiction of Dr Babasaheb Ambedkar Marathwada University, Aurangabad must produce Transfer Certificate at the time of admission in this college. Such students will have to obtain a written permission or MKCL T. C. from university for the change of college.
- Normally no change is allowed in the subject once offered by a student.
- No student can claim, by right, admission to the college.

B) Rules for Refund of fees:

I. For Granted Courses:

1. Cancellation of admission on or before 31st July, 'other fees' will be deducted from the total fees payable and remaining amount will be refunded.
2. Cancellation of admission after 31st July and before the end of first term, 'other fees' will be deducted and 50% of the tuition fees will be refunded for full fees holders.
3. Cancellation of admission in the second term, there will be no refund & required to pay full fees as prescribed.
4. For cancellation of admission minimum required fees as per above criteria must be compulsorily paid.
5. Compulsory Computer Science is not mandatory subject at First Year students those who have MS-CIT certificate or studied Information Technology or Computer Science as optional subjects before taking admission to first year course.
6. Admission will be completed as per reservation policy of Government of Maharashtra and University Rules and regulations.

II. For Non-Granted Courses:

1. Cancellation of admission before 31st July, 20% of the total fees payable will be deducted and remaining amount will be refunded.
2. Cancellation of admission after 31st July and before the end of first term, 50% of the total fees payable will be deducted.

3. Cancellation of admission in the second term, there will be no refund & required to pay full fees as prescribed.
4. For cancellation of admission minimum required fees as per above criteria must be compulsorily paid.

C) Attendance:

1. 75% attendance for theory classes and practical's is compulsory as per the university rules.
2. Irregular students are liable for strict disciplinary action.
3. Attendance for college tests, tutorials and terminal examinations is compulsory.
4. Performance of students throughout the year will be monitored and will be reported to parents.
5. Use of unfair means in the college as well as in university examinations is strictly prohibited.

D) Library:

1. For all library transactions Identity Card is compulsory.
2. The library is well equipped with large number of textbooks reference books, highest number of national & International Journals & Periodicals e-books, e-Journals & CD's, Photocopying facility internet facility, Independent reading Hall for Girls.
3. Students shall collect library cards by producing Identity Card. The library card duly filled and with one photograph is to be submitted at the issue counter for borrowing books.
4. If library card is lost, student has to inform the librarian in writing and he/she will have to pay Rs. 50/- for the duplicate card.
5. Library books must be returned within seven days from date of issue.
6. If a student fails to return the book before due date, he/she will be charged late fees. (1 rupee per day per book)
7. Students must check the books thoroughly in respect of any damage or missing pages while borrowing itself. Later on, no complaints in this respect will be considered and he/she will have to pay fine according to the rules.
8. If Identity card is lost, student has to inform the librarian in writing and he/she will have to pay Rs.100/- for the duplicate Identity card.
9. There is a Book Bank Scheme which provides books to the needy students of the college for academic.

F) Code of Conduct for Students:

1. Every student shall wear clean, suitable and presentable clothing. For various functions, the prescribed uniform must be worn.
2. Students shall abide by all the general and special rules framed by the college authorities, from time to time, with regard to their presence within the campus.
3. Students are admitted to the college, subject to the control of the authorities with regard to their conduct in college premises.
4. Students shall not remain absent for lectures and practical without proper permission of HOD. An application for leave of absence should be submitted to the concerned Vice-Principal.
5. No students will be allowed to take active part in any political activity, directly or indirectly, associated with anti-social activity with the aim of violence.
6. Students should not, in any way, disfigure the premises of the college and hostel building or tamper with the furniture, electric connections, laboratory apparatus, etc.
7. Student must have college identity card with him/her at all times in the college premises.
8. Students are strictly prohibited to smoke, consume drugs, narcotics, tobacco, Gutkha, in college premises. Not only this, but if a student, is found in possession of narcotics and drugs, he will be liable for punishment under the Mumbai Police Act. 1951.
9. Ragging and such similar activities are strictly prohibited. Breach of these and such other rules will make the students liable for expulsion from the college.
10. Use of a cell phone is prohibited in the classroom, laboratories & library.

The University ordinance regarding maintenance of discipline and good conduct, the UGC regulations on curbing the menace of ragging in higher educational institutions 2009, and the rules

regarding complaints and grievances of women regarding sexual harassment at the work place under University statute are available on the college and university website.

G) Punitive Action as per Statute Section 87(8) and Ordinance 12(9):

1. Imposition of fine up to Rs. 300/- or more.
2. Debarring from attending the classes for specified period.
3. Disqualifying from participating in any co-curricular or cultural activities of the College.
4. Withholding of any college document.
5. Denial of admission to a course or to college/ University or Board examination.
6. Cancellation of admission to the college at any stage.
7. Withholding of examination results.

H) Scholarship:

1. All scholarships from the central and the state government are made available to eligible students.
2. After admission, students should submit duly filled form with necessary documents.
3. Eligible students for scholarship will have to open a bank account.
4. Students, whose scholarship is not sanctioned, will have to pay full fees.
5. Late submission of scholarship forms or incomplete forms may be rejected.

At our college, students can avail themselves of a number of scholarships and/or financial aid from among the following - Central/State Government Scholarships /Free ships.

The college helps students to avail following scholarships offered by Central / State Government:

Government of India Scholarship/ Free-ship, Eklayya Scholarship, Inspire scholarship, Hindi Scholarship, National Talent Search Scholarship, National Merit Scholarship, Scholarship to physically handicapped students, State Government Open Merit Scholarship, Economically Backward Class Scholarship, Sports Scholarship by Sports Authority of India, Scholarship for bright students from rural area, Primary/ Secondary School Teacher Wards' Scholarships, Scholarship for minority students, etc.

B) FINANCIAL AID BY THE COLLEGE:

The college offers financial aid through the following schemes:

Poor Student Aid Fund, Free ships to sport persons & Prizes, Aid under Earn-Learn Scheme

■ YASHWANTRAO CHAVAN MAHARASHTRA OPEN UNIVERSITY:

College is running B.Sc. YCMOU course since Academic Year 2015-16 with intake capacity of 40 students.

■ BUS CONCESSIONS:

Bus concession forms will be forwarded to Bus Authorities for further procedure. The students must comply with rules and the procedures prescribed by Bus Authorities from time to time.

■ EARN AND LEARN SCHEME:

In order to provide financial support to the economically weaker, needy but brilliant students, the college has launched Karmaveer Bhaurao Patil Earn & Learn Scheme of the Dr. B A Marathwada University. Certain numbers of students, as per the norms of University, are assigned jobs for certain hours in the college campus for which they are paid remuneration. The scheme is jointly financed by the University and the college.

■ PROVISION FOR REMEDIAL COURSES

The college conducts remedial courses for slow learners & the students coming from the weaker sections of the society.

■ **NSS (NATIONAL SERVICE SCHEME)**

The N.S.S. unit was established in the college since 2001-2002 having intake capacity of 250 students (Two and half Unit). Every year, various programmes and activities, that enhance social awareness amongst students, are implemented.

■ **STUDENTS' GRIEVANCE REDRESSAL CELL**

'Students' Grievance Redressal cell addresses the problems and difficulties of the students. Drop-boxes have been placed at different places on the campus to enable students to lodge their grievances. A separate committee takes cognizance of the complaints every fortnight.

■ **PLACEMENT & COUNSELLING CELL**

A special Placement & Counselling Cell has been established in the college which organizes training sessions, campus interviews and publishes placement brochure. The students are provided with guidance and counselling for their career plans & placements.

■ **LITERARY FORUM / WALL MAGAZINE**

The students, who are interested in Literature, are motivated to take part in various literary activities. For this purpose Literature forum is established in the College. The activities like wall magazine, introduction of authors and their interviews and special literature magazines are provided as a medium for exposure to the potential student writers.

■ **STUDY TOURS AND INDUSTRIAL PROJECTS**

The college has launched an 'Industrial Liaison Program under which students visit local industries for their internships and project work. This program provides vocational guidance to students and helps to create professional awareness among them. Special efforts are taken to organize educational tours to various locations within the country. Faculty wise and department-wise educational tours are arranged for students, as per the requirements of their curricula.

■ **PERSONALITY DEVELOPMENT PROGRAMES**

Various committees such as Elocution Committee, Yuvati Sabha, Sahitya Mandal, Planning Forum, etc., have been constituted to help the overall personality development of the students. Extracurricular activities like Elocution Competitions, Inter-collegiate Drama Festival, Youth Festival, Youth Parliament, Talent Search Examinations and competitive examination guidance, etc., are continuously organized in college with the help of these committees.

■ **ANNUAL SOCIAL GATHERING**

Every year, college organizes social gathering to provide opportunities to students to portray their talent. Various programs such as debating and elocution competition, exhibitions, drama competition, sports competition, quiz competition, blood donation camp, entertainment and cultural programs, extempore speech and fancy-dress competitions are organized.

■ **IPR CELL:**

The IPR cell of this College is established to motivate and register various Patents in research activities. This cell looks forward to assisting and accelerating the interaction with Industries and sustained growth in IPR. To contributes to the wealth creation of the nation.

■ **YOGA AND NATUROPATHY**

For healthy living and to manage examination induced stresses amongst students, Sport department arranged Yoga and Naturopathy in the campus. This department not only conducts academic programmes but it also undertakes yogic and Naturopathy treatments.

■ **CULTURAL ACTIVITIES & YOUTH FESTIVAL**

In order to provide opportunities and a stage to the students who have special skills in cultural activities, a separate cell is established in the college. It gives exposure to the students through the organization of various programs such as Youth Festival etc.

■ **RIGHT TO INFORMATION**

As per the provisions of **Right to Information Act.2005**, following are the designated officers:

- **System Administrator:**
- Office Superintend
- **Nodal Officer:**
- Vice Principal
- **Public Information Officer:**
- Principal
- **First Appellate Authority:**
- Joint Director, Higher Education,

COURSES OFFERED

JUNIOR COLLEGE [PERMANAT NON GRANT BASIS]

SR NO.	CLASS	INTAKE CAPACITY	SUBJECTS
1	XI th (ARTS)	60 [Marathi Medium]	ENGLISH (COMPULSORY) MARATHI / HINDI (SECOND LANGUAGE) HISTORY, SOCIOLOGY, ECONOMICS, POLITICAL SCIENCE ENVIRONMENT SCIENCE (COMPULSORY)
2	XII th (ARTS)	60 [Marathi Medium]	ENGLISH (COMPULSORY) MARATHI / HINDI (SECOND LANGUAGE) HISTORY, SOCIOLOGY, ECONOMICS, POLITICAL SCIENCE ENVIRONMENTSCIENCE (COMPULSORY)
3	XI th (SCIENCE)	60	ENGLISH (COMPULSORY) MARATHI / HINDI (SECOND LANGUAGE) PHYSICS, CHEMISTRY, BIOLOGY, MATHEMATICS/ SOCIOLOGY ENVIRONMENT SCIENCE(COMPULSORY)
4	XII th (SCIENCE)	60	ENGLISH (COMPULSORY) MARATHI / HINDI (SECOND LANGUAGE) PHYSICS, CHEMISTRY, BIOLOGY, MATHEMATICS/ SOCIOLOGY ENVIRONMENT SCIENCE(COMPULSORY)

*All Syllabus for Junior College Prescribed By Maharashtra State Board of Secondary and Hifgher Secondary Education Pune.

SENIOR COLLEGE: PROGRAMMES & COURSES**FACULTY OF HUMANITIES / ARTS****Bachelor of Arts (B.A.)**

B.A. F.Y. Semester I & II	B.A. S.Y. Semester III & IV	B.A. T.Y. Semester V & VI
ENGLISH (COMPULSORY) MARATHI/HINDI (SECOND LANGUAGE) COMPUTER SCIENCE (COMPULSORY) OPTIONAL SUBJECTS: 1] MARATHI/HINDI/ENGLISH LITERATURE 2] SOCIOLOGY/ POLITICAL SCIENCE 3] HISTORY, 4]ECONOMICS <i>(Students have to select Only 3 Subjects From The Optional Group. Subject once chosen will not be changed on any reason)</i>	ENGLISH (COMPULSORY) MARATHI/HINDI (SECOND LANGUAGE) ENVIRONMENTAL SCIENCE (COMPULSORY) OPTIONAL SUBJECTS: 1] MARATHI/HINDI/ENGLISH LITERATURE 2] SOCIOLOGY/ POLITICAL SCIENCE 3] HISTORY, 4]ECONOMICS <i>(Students have to select Only 3 Subjects From The Optional Group. Subject once chosen will not be changed on any reason)</i>	Note: The optional subjects opted at First and Second year are to be continued in T.Y. selecting one of them as main subject for 100 marks and remaining 2 optionals as subsidiary subjects for 100 marks each. (as per 50:50 pattern) One paper is related to research project along with viva.

Note: B.A. S.Y. / T.Y. Student can select any one of the elective paper as an optional subject from the table given below

Remarks	Name of the Elective/Optional Papers			Remarks
	Sem-III	Remarks	Sem-IV	
History	Paper No. VI History of Delhi Sultanat (A.D. 1200-A.D. 1526)	Select any One subject	Paper No. VIII History of Mugal India (A.D. 1526-A.D. 1757)	Select any One subject
	Paper No. VI British Rule in India (A.D. 1757-A.D. 1857)		Paper No. VIII History of India (A.D. 650-A.D. 1200)	
			Paper No. VIII History of Soviet India (A.D. 1917-A.D. 1985)	
Subject	Elective/ Optional Papers			Remarks
	Sem-V	Remarks	Sem-VI	
English	Paper No. XI (A) Americal Literature	Select any One subject	Paper No. XV (A) Americal Literature	Select any One subject
	Paper No. XI(B) Indian writing in English		Paper No. XV(B) Indian writing in English	
Economics	Paper No. XI Economics-111 History of Economics Thought		Paper No. XIII Economics-113 Research Methodology	Select any One subject

	Paper No. XI Economics-111(A) Mathematical Economics	Select any One subject	Paper No. XIII Economics-113(A) Regional Economics	
	Paper No. XI Economics-111(B) Labour Economics		Paper No. XIV Economics-114 Industrial Economics	Select any One subject
			Paper No. XIV Economics-114(A) Foreign Trade and International Institutions	Select any One subject
			Paper No. XV Economics-115 Indian Economics Thinker	Select any One subject
			Paper No. XV Economics-115 (A) Economics Thought of Dr. B. R. Ambedkar and Mahatma Phule	
			Paper No. XV Economics-115 (B) Econometrics	
			Paper No. XV Economics-115 (C) Economy of Maharashtra	
Sociology	Paper XI Social Problem in India	Select any One subject	Paper XV Social Disorganization in Contemporary India	Select any One subject
	Paper XI Urban Sociology		Paper XV Urban Society in India	
History	Paper XI Womens Struggle in Modern India	Select any One subject	Paper XV Glimpses of the History of Marathwada	Select any One subject
	Paper XI History of Modern India (A.D. 1900 -A.D. 1950)		Paper XV Nationalist movements in south-East-Asia	
	Paper XI History of India (A.D. 1757 -A.D. 1885)			

FACULTY OF SCIENCE AND TECHNOLOGY

Bachelor of Science (B.Sc.)

B.Sc. First Year (Sem. I & II), B.Sc. Second Year (Sem. III & IV) and B.Sc. Third Year (Sem. V & VI)

Compulsory Subjects: (Only for First and Second Year)

1. English Compulsory
2. Second Languages: Marathi/Hindi
3. Compulsory Environmental Studies (Only for B.Sc. Second students)
4. Compulsory Computer Course (Only for only for First Year's students who have not opted Computer Science or have not completed MS-CIT course)

Optional Subjects: Students seeking admission to B.Sc. General will have to select one group from the following.

Group	Optional Subjects		
1.	Physics	Chemistry	Mathematics
2.	Chemistry	Botany	Zoology
3.	Physics	Mathematics	Computer Science
4.	Chemistry	Physics	Computer Science
5.	Botany	Zoology	Computer Science

Note: B.Sc. T.Y. Student can select any one of the elective paper as an optional subject from the table given below

Subject	Name of the Elective/Optional Papers		Remarks
	Sem-V	Sem-VI	
Maths	Paper-MAT 503: Mathematical Statics-I	Paper-MAT 603: Mathematical Statics-II	Select any One subject
	Paper-MAT 504: Ordinary Differential Equation-I	Paper-MAT 604: Ordinary Differential Equation-II	
	Paper-MAT 505:Programming C-I	Paper-MAT 605:Programming C-II	
Botany	Paper No. XVI (A) Diversity of Angiosperms-I (Theory)	Paper No. XX (A) Diversity of Angiosperms-II (Theory)	Select any One subject
	Paper No. XVI (B) Plant Breeding and Seed technology (Theory)	Paper No. XX (B) Economic Botany (Theory)	
	Paper no. XVI (C) Plant pathology (Theory)	Paper No. XX (C) Microbiology and disease Management (Theory)	
	Paper No. XVI (D) Biotechnology (Theory)	Paper No. XX (D) Bioinformatics (Theory)	
	Paper No. XVIII (A) Diversity of Angiosperms-I (Prac)	Paper No. XXII (A) Diversity of Angiosperms-II (Prac)	Select any One subject
	Paper No. XVIII (B) Plant breeding and seed technology (Prac)	Paper No. XXII (B) Economic Botany (Prac)	
	Paper No. XVIII (C) Plant pathology (Prac)	Paper No. XXII (C)	

		Microbiology and disease Management (Prac)	
	Paper No. XVIII (D) Biotechnology (Prac)	Paper No. XXII (D) Bioinformatics (Prac)	
Zoology	ZOO-502	ZOO-602	
	Paper No. XVIII (A) Fishery sciences -I	Paper No. XXII (A) Fishery sciences -II	Select any One subject
	Paper No. XVIII (B) Animal culture-I	Paper No. XXII (B) Animal culture-II	
	Paper No. XVIII (C) Entomology-I	Paper No. XXII (C) Entomology-II	
	Paper No. XVIII (D) Parasitic protozoa & helminthes-I	Paper No. XXII (D) Parasitic Protozoa & Helminthes-II	
	Paper no. XVIII (E): Computer Application & Laboratory Technology-I	Paper No. XXII (E) Computer Application & Laboratory Technology-II	
	Paper no. XVIII (F) Biotechnology-I	Paper No. XXII (F) Biotechnology-II	
	Paper no. XVIII (G) Dairy sciences -I	Paper No. XXII (G) Dairy sciences -II	
	Paper No. XVIII (H) Poultry Sciences -I	Paper No. XXII (H) Poultry Sciences -II	
Computer Sci.	*Beginners Prog. With PHP. *Basic of ASP.Net #Data Mining #Advanced Networking	*Advanced Prog. With PHP * Programming Language: C# #e-Commerce #Ethics & Cyber Law	

Note:

Optional subject group once selected for First Year will be continued up to Third Year. No facility will be given to change optional subjects in Second and Third Year. Students will have to pay additional tuition fees for B.Sc. with Computer Science.

- For the detail syllabus and examination pattern visit to Websites of Dr. Babasaheb Ambedkar Marathwada University www.bamu.ac.in/bamua.digitaluniversity.ac

Master of Science (M. Sc.)

■ M.Sc. (Chemistry)

First Year (Sem. I & II), and second Year (Sem. III & IV),

Syllabus:

For the detail syllabus and examination pattern visit to Websites of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

FACULTY OF SCIENCE AND TECHNOLOGY

B. Sc. Computer Science (B.C.S.)

1	B.Sc. (COMPUTER SCIENCE.) OPTIONAL	F.Y.B.Sc. (Comp.Sc.)	120 [ENGLISH Medium]	SUBJECTS: Semester-I 1] Computer fundamentals 2] Digital Electronics. Semester-II 3] Operating System-I 4] Programming in C
	B.Sc. (COMPUTER SCIENCE) OPTIONAL	S.Y.B.Sc. (Comp.Sc.)	120 [ENGLISH Medium]	SUBJECTS: Semester-III 1] Advance C programming. 2] Data structure Semester-IV 3] Programming in CPP. 4] DBMS using SQL.
	B.Sc. (COMPUTER SCIENCE) OPTIONAL	T.Y.B.Sc. (Comp.Sc.)	120 [ENGLISH Medium]	SUBJECTS: Semester-V 1] Software Engineering. 2] Web Designing/VB Net. Semester-VI 3] Data Communication & Networking. 4] Ethics & Cyber Law /E-Commerce.
2.	B.Sc. (COMPUTER SCIENCE)	F.Y.B.Sc. (Comp.Sc.)	English Medium	SUBJECTS: Semester: I 1] Computer Fundamentals. 2] Digital Electronics. [T] 3] Microprocessor-I. 4] C Programming-I. [T] 5] Communication Skill-I. 6] Mathematical Foundation. [T] 7] Office Suite.[P] 8] C Programming-I. [P] 9] Microprocessor-I. [P] 10] Digital Electronics.[P] Semester: II 1] Data Structure. [T] 2] Operating System. [T] 3] Microprocessor – II. [T] 4] C Programming - II .[T] 5] Communication Skill – II. [T] 6] Numerical Computation Methods. [T] 7] Data Structure.[P] 8] Microprocessor – II. [P] 9] C Programming – II. [P] 10] Numerical Comp. Methods. [P]

	B.Sc. (COMPUTER SCIENCE)	S.Y.B.Sc. (Comp.Sc.)	English Medium	<p>SUBJECTS: Semester: III 1] Advance Data Structure 2] Unix Operating System [T] 3] PC Maintenance. [T] 4] Programming in CPP. [T] 5] Database Management. [T] System 6] Statistical Method. [T] 7] Data Structure Using CPP. [P] 8] DBMS. [P] 9] PC Maintenance. [P] 10] Unix. [P] Semester: IV 1] Software Engg. [T] 2] Fedora. [T] 3] Basic of Networking. [T] 4] Core Java. [T] 5] Adv. DBMS. [T] 6] Web Fundamental. [T] 7] Java in Fedora OS. [P] 8] Web Fundamental. [P] 9] Based in Adv. DBMS and N/w. [P] 10] Mini Project. [P]</p>
	B.Sc. [C.S.]	T.Y.B.Sc. (Comp.Sc.)	English Medium	<p>SUBJECTS: Semester: V 1] Software Cost Estimation 2] Basic of Android OS 3] Core Java-II 4] Basic of Computer Graphics 5]* Beginners Prog. With PHP. 6]* Basic of ASP.Net 7)# Data Mining 8)# Advanced Networking 9] Pr. Based on Advanced Java 10] Pr. Based on Computer Graphics. 11] and 12] Pr. Based. Semester: VI 1] Software Quality & Testing. 2] Android Application Development 3] Theory of Computation 4] Advanced Computer Graphics 5]* Advanced Prog. With PHP 6]* Programming Language: C# 7)# e-Commerce 8)# Ethics & Cyber Law 9] Pr. Based on Android Develop. 10] Pr. Based on PHP/C# 11] & 12] Major Project.</p>

*and #: Any one paper is to be opted from the given.

SKILL ORIENTED COURSES: Certificate courses

- We offer the following Short term certificates courses with limited seats.
 - 1) Yoga & Naturopathy.
 - 2) Gandhian Thoughts.
 - 3) Communication skills in English.
 - 4) Basic Computer Literacy.
 - 5) Soil and Water Testing.
 - 6) Mushroom cultivation.
- **Fee Structure:** No fees or any Hidden charges
- **We offer** : Placement and campus interview
- **Prizes** : For Meritorious Student and Sport Personal.

FEES STRUCTURE**For Junior College**

SR. NO.	PARTICULARS	XI th ARTS/SCIENCE	XII th ARTS/SCIENCE
1	Admission Fee	16	18
2	Tuition Fee	192	216
3	Semester fee	32	36
4	Student aid fund	10	10
5	Semester Exam Fee	30	30
6	Gathering fee	50	50
7	Sport Fee	25	25
8	Test Tutorial Fee	35	35
9	Library Deposit	50	50
10	Identity Card Fee	20	20
11	Laboratory Fee	50	50
12	Admission Renewal	---	10
13	Student Security Insurance Scheme	05	05
14	Second Semester Fee Science Faculty	30	30
	Total	545	585

Note: For sport students, who has performed in State and National level sport events, their admission fees will be waived off.

For UG College: B.A., B. Sc. and B. Sc. Comp. Sci.

Sr. No.	Fees Head	B.A. F.Y.	B.A. S.Y.	B.A. T.Y.	B.Sc. F.Y.	B.Sc. S.Y.	B.Sc. T.Y.	Comp Sci F.Y.	Comp Sci S.Y.	Comp Sci T.Y.
A]	Tuition Fees	200	200	200	800	800	800	5200	5200	5200
B]	Laboratory Fees	0	0	0	1000	1000	1000	5500	5500	5500
C]	Other Fees									
1.	Prospectus Fees	25	25	25	25	25	25	25	25	25
2.	Registration Fees	25	25	25	25	25	25	25	25	25
3.	E-Suvidha Fees	50	50	50	50	50	50	50	50	50
4.	Medical Exam Fees	15	15	15	15	15	15	15	15	15
5.	I-Card Fees	20	20	20	20	20	20	20	20	20
6.	Admission Fees	25	25	25	25	25	25	25	25	25
7.	Magazine Fees	50	50	50	50	50	50	50	50	50
8.	Gathering Fees	50	50	50	50	50	50	50	50	50
9.	Student Associated Fund Fees	10	10	10	10	10	10	10	10	10
10.	Student Aid Fees	10	10	10	10	10	10	10	10	10
11.	College Examination Fees	75	75	75	75	75	75	75	75	75
12.	College Development Fees	100	100	100	100	100	100	100	100	100
13.	Youth Festival Fees	50	50	50	50	50	50	50	50	50
14.	Disaster Management Fees	20	20	20	20	20	20	20	20	20
15.	Gymkhana / Sports Fees	50	50	50	50	50	50	50	50	50
16.	Student Wellfare Fees	20	20	20	20	20	20	20	20	20
17.	N.S.S. Fees	10	10	10	10	10	10	10	10	10
18.	Ashwamedha	4	4	4	4	4	4	4	4	4
19.	Avishkar	4	4	4	4	4	4	4	4	4
20.	Indrardhanushya	4	4	4	4	4	4	4	4	4
21.	Aavahan	4	4	4	4	4	4	4	4	4
22.	Abhiyan	4	4	4	4	4	4	4	4	4
23.	University/College Fund	10	10	10	10	10	10	10	10	10
24.	Library Fees	50	50	50	50	50	50	50	50	50
25.	Computer Fees	100	0	0	100	0	0	0	0	0
26.	Environmental Fees	0	100	0	0	100	0	0	100	0
27.	Earn & Learn Scheme	10	10	10	10	10	10	10	10	10
28.	Eligibility Fees	50	0	0	50	0	0	50	0	0
Total		1045	995	895	2645	2595	2495	11445	11495	11395

FEES STRUCTURE for B. Sc. Comp Sci.:

Since B Sc. (Computer Science) is non aided faculty, Fees for B Sc. (Computer Science) First Year, Second Year and Third Year charged as per university guidelines.

Program Outcomes (POs)/Program Specific Outcomes (PSOs)/ Course Outcomes(COs)

PROGRAM OUTCOMES

A] Program Code: 101

B.Sc. General (Bachelor of Science)

PO-1	Student should acquire the knowledge with facts and figures related to various subjects in pure sciences such as Physics, Chemistry, Botany, Zoology, Mathematics, Comp. Sci., etc.
PO-2	Student must understand the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life.
PO-3	Student should get skills in handling scientific instruments, planning and performing in laboratory experiments, skills of observing and drawing logical inferences from the scientific experiments.
PO-4	Be able to analyse the given scientific data critically and systematically and the ability to draw the objective conclusions. Be able to think creatively to propose novel ideas in explaining facts and figures or providing new solution to the problems.
PO-5	To realise how all science subject are interlinked with each other and how interdisciplinary approach helps in providing better solutions and new ideas for the sustainable developments.
PO-6	To develop scientific outlook not only with respect to science subjects but also in all aspects related to life.
PO-7	To inculcate ethical, moral and social values in personal and social life leading to highly cultured and civilized personality.
PO-8	To develop communication skills such as reading, listening, speaking, etc., which we will help in expressing ideas and views clearly and effectively.
PO-9	To develop ability by participating in various social and cultural activities voluntarily, in order to spread knowledge, creating awareness about the social evils, blind faith, etc.

B] Program Code: 102**B.A. (Bachelor of Arts)**

PO-1	Students should acquire the knowledge with facts and figures concerned with the subjects such as History, Sociology, Economics, Political Sci, Languages, etc.
PO-2	Understand the basic concepts, fundamental principles, and various theories in the above mentioned subjects.
PO-3	Realize the importance of literature in terms of aesthetic, mental, moral, intellectual development of an individual and accordingly of the society.
PO-4	Understand how issues in the social science get influenced by the literature and how the literature can provide solutions to the social issues.
PO-5	Gain the analytical ability to analyze the literature and social issues to appreciate the strength and to suggest the improvements for better results.
PO-6	Convince himself/herself that the study of literature and social sciences are not only helpful to evolve better individual and better society but also helpful to make the life of an individual more happy and meaningful and studying these subjects forms base for competitive exams too.
PO-8	Participate in various social and cultural activities voluntarily.
PO-9	Emerge as a multifaceted personality who is self-dependent; earning his own bread and butter and also creating opportunities to do so.
PO-9	To develop ability by participating in various social and cultural activities voluntarily, in order to spread knowledge, creating awareness about the social evils, blind faith, etc.

C] Program Code: 103**Add on Programs & Career Oriented Programs**

Under these programs various certificate course are being run by college and these courses can be completed in a few months and offer the chance to learn new skills or build understanding.

PO-1	Besides the traditional education student get multiple skills through these programs.
PO-2	Some of these programs can teach valuable soft skills such as organization and critical thinking. Additionally, some certificate programs allow students to gain important technical skills or enhance their understanding of their field as well as society.

PO-3	These add-on/certificate courses can allow students to pursue a variety of career paths.
PO-4	Many employers prefer candidates with educational credentials, and a certificate can provide an edge to those who are seeking competitive positions.
PO-5	Additionally, add-on/certificate courses can provide an excellent foundation for further study, should a student choose to continue his or her education.
PO-6	This type of program is a great way to further both professional and academic goals.

PROGRAM SPECIFIC OUTCOMES

E] Program Code: 101A

B.Sc. Computer Science

On completion of the B.Sc. in Computer Science (BCS) students are able to:

PSO-1	To serve as the Programmers or the Software Engineers with the sound knowledge of practical and theoretical concepts for developing software.
PSO-2	To serve as the Computer Engineers with enhanced knowledge of computers and its building blocks.
PSO-3	Able to work as the Hardware Designers/Engineers with the knowledge of Networking Concepts.
PSO-4	Able to work as the System Engineers and System Integrators.
PSO-5	Able to serve as the System Administrators with thorough knowledge of DBMS.
PSO-7	Able to serve as the Web Designers with latest web development technologies.

COURSE OUTCOMES

- For course outcomes of,
B. Sc., B. A., B. Sc. - Computer Science and Add on Programs & Career Oriented Programs (Certificate courses)
Please...
Visit to our college website: www.indraraj.in

TEACHING STAFF

Sr. No.	Name of the faculty	Designation	Department
1.	Dr. P. P. Sharma	Principal	Botany
2.	Dr. Lamb V. B.	Vice Principal	History
3.	Dr. Kale C. M.	Vice Principal	Physics
4.	Dr. Patil P. S.	Professor	Hindi
5.	Dr. More A.T.	Professor	Marathi
6.	Dr. Pawar A. B.	Professor	Economics
7.	Dr. Mendhe R. R.	Professor	Marathi
8.	Dr. Kawle B. N.	Professor	Sociology
9.	Dr. J. S. Ambhore	Professor	Botany
10.	Dr. Ingle M. B.	Director Phy. Edu.	Sports
11.	Dr. Chouthaiwale S. S.	Asso. Prof.	English
12.	Dr. Karad S. K.	Asso. Prof.	Pol. Science
13.	Mr. Agarwal D. B.	Assist. Prof.	English
14.	Dr. Mrs. Mhaske S. M.	Librarian	Library
15.	Dr. Dinore J. M.	Assist. Prof.	Chemistry
16.	Dr. Barekar M. K.	Assist. Prof.	Physics
17.	Dr. Ms. Deshmukh S.V	Assist. Prof.	Physics
18.	Dr. Mrs. Muglikar M.G	Assist. Prof.	Hindi
19.	Dr. Mrs. Biradar R. M.	Assist. Prof.	Botany
20.	Dr. Shelke V. A.	Assist. Prof.	Chemistry
21.	Dr. Yelwande A. A.	Assist. Prof.	Chemistry
22.	Dr. Devkate C. G.	Assist. Prof.	Chemistry
23.	Mr. Palve M. P.	Assist. Prof.	Chemistry
24.	Mr. Mule P. A.	Assist. Prof.	Chemistry
25.	Dr. Nagre K. R.	Assist. Prof.	Zoology
26.	Mr. Patil J. J.	Assist. Prof.	Mathematics
27.	Dr. Kawal V.G.	Assist. Prof.	Comp. Sci.

NON TEACHING STAFF

Sr. No.	Name	Work Type
1.	Mr. Rajput K. A.	O. S.
2.	Mr. Suradkar S. C.	Clerk
3.	Mr. Pawar G. H.	Clerk
4.	Mr. Balawat J. R.	Lab. Assist.
5.	Mr. Pawar K. M.	Lab. Assist.
6.	Mr. Dapke Y. R.	Lib. Attendant
7.	Mrs. Tomar J. S.	Lib. Attendant
8.	Mr. Patil J. R.	Peon
9.	Mr. Zalwar R. L.	Peon
10.	Mr. Pagare K. N.	Lab. Attendant
11.	Mr. Shaikh A. B.	Lab. Attendant
12.	Mr. Chopde S. E.	Lab. Attendant
13.	Mr. Kumawat K. D.	Lab. Attendant
14.	Mr. Dheple A. K.	Lab. Attendant
15.	Mr. Sayyad S. N.	Lab. Attendant
16.	Mr. More S. V.	Lab. Attendant

EXECUTIVE BODY

Sr. No.	Name	Designation
1.	Ex. MP. Shri. Uttamsingh Rajdharsingh Pawar	President
2.	Shri. Suratsingh Hilalsingh Pawar	Vice-President
3.	Shri. Ashok Jalamsingh Deore	Secretary
4.	Shri. Surendrasingh Jalamsingh Deore	Joint Secretary
5.	Shri. Virendrasingh Uttamsingh Pawar	Treasurer
6.	Adv. Shri. Vasanttrao Bhausahab Deshmukh	Member
7.	Shri. Nawalsingh Julalsingh Patil	Member
8.	Shri. Rangnath Bhaurao Jadhav	Member
9.	Shri. Sadanand Vasant Shabde	Member
10.	Smt. Priya Virendrasingh Pawar	Member
11.	Smt. Chhaya Bhawan Mahajan	Member

COLLEGE DEVELOPMENT COMMITTEE

Sr. No.	Name	PROVISIONS OF MU ACT 2017
1	Ex. MP. Shri. Uttamsingh Pawar	Chairperson of the Management
2	Shri. Ashok Deore	Secretary of Management
3	Dr. Radhakrushna Zalwar	Member - Representative from Industry
4	Shri. Ramprasad Balrawat	Member - Representative from Education
5	Shri. Ajabsingh Jadhav	Member – Representative from Social Services
6	Shri. Ajaykumar Balrawat	Member - Representative from Alumni
7	Dr. A. T. More	Head of Department nominated by Principal
8	Dr. V. B. Lamb	Representative of Teaching Staff
9	Mr. J. M. Dinore	Representative of Teaching Staff
10	Dr. Mrs. R. M. Biradar	Women representative of Teaching Staff
11	Dr. S. S. Chouthaiwale	IQAC – Coordinator
12	Mr. K. A. Rajput	Representative of Non- Teaching Staff
13		President of College Students Council
14		Secretary of College Students Council
15	Dr. P. P. Sharma	Principal – Member Secretary



Ajantha Education and Military Preparatory Institute's

INDRARAJ ARTS, COMMERCE AND SCIENCE COLLEGE

JALGAON ROAD, SILLOD
DIST. AURANGABAD, (M.S.) INDIA-431112

Afiliated to: Dr. Babasaheb Ambedkar Marathwada University Aurangabad
Recognized under section 2(f) and 12B of UGC Act 1956

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