

Y.B.CHAVAN COLLEGE OF PHARMACY, AURANGABAD

VISION-2029

Roadmap towards excellence

PREFACE

Maulana Azad Educational Trust's Y.B. Chavan College of Pharmacy an unaided religious minority institute, was founded in 1989 by the late Chairman of Maulana Azad Educational Trust, Dr Rafiq Zakaria and has 28 years of history as the flagship of pharmaceutical education in the region of Marathwada. The College secured all India 24th rank by National Institute Ranking Framework (NIRF), MHRD Government of India, amongst all the pharmacy Colleges and covered under section 2(f) and 12(B) of UGC, New Delhi. The College ranked in Gold Category in AICTE-CII survey and having ISO 2001-2008 and Green Audit Certification. Our college is permanently affiliated to Dr. Babasaheb Ambedkar Marathawada University and approved research center by Govt. of Maharashtra. The College is approved by All India Council for technical Education (AICTE) and Pharmacy Council of India, New Delhi.

The College has achieved a lot and becomes a quality bench mark for other pharmacy institutions, which is only because of dedicated and visionary zeal of Padmashree Mrs. Fatma Zakaria, Chairman of Maulana Azad Educational Trust.

We have achieved many milestones and today the College symbolizes the meaning of quality education and professional achievement. To ensure continuous development the Strategic Plan is proposed for stepwise growth of the institution in the form of "Vision-2029" document, which is developed based on ABCDE model and result of SWOC analysis of the college. The proposed vision document focuses on entrepreneurship, innovations, research, international collaborations and very strong Industrial relations to develop globally competent pharmacists. This vision documents also include the detail action plan with implementation schedule for various major activities for institutional development and resource mobilization.

I convey my sincere appreciation to all my colleague staff members without their support and excellent contribution, successful implementation of this "Vision -2029" will not be possible.

Thank you.

Dr Abubakar Salam Bawazir

I/c Principal

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VISION DOCUMENT- 2029

Preamble:

The college has prepared a perspective plan based on Vision 2029 proposed by the Principal in coordination with Management, CDC/LMC and GB. The Strategic plan is based on ABCDE model, taking into consideration the following aspects:

1. **Assessment, Baseline-** Where we are?
2. **Components-** Where we want to be?
3. **Down to specifics-** How we will do it?
4. **Evaluate-** How are we doing?
 1. **Assessment:** The assessment was based on institutional background followed by an environmental scan and SWOC analysis.
 2. **Baseline:** The institutions past developments, present situation and future prospects, taking into consideration all significant issues and capabilities as well as any gaps were considered to set the baseline.
 3. **Components:** The college vision-2029 and mission was set taking into consideration the views of all stake holders, care was taken to imbibe values and guiding principles of the founder and mentors. The College runs both undergraduate and postgraduate programs in Pharmacy thus the program educational objectives were prepared using major and specific goals, further due consideration has been given to the desired graduate attributes and program outcomes.
 4. **Down to Specifics:** Implementation is a major hurdle thus our strategic plan elucidates the action plan, initiatives, targets, standards for performance and specifics for performance measurement.
 5. **Evaluate:** Periodic evaluation is mandatory to keep the plan on track so as to meet the desired targets. Performance management tools, effective review process, feedback mechanisms and corrective and preventive actions are necessary. An inbuilt design system providing space for appropriate revision in plan is incorporated.

2.0 Background of the institute:

Y.B. Chavan College of Pharmacy was established by Dr Rafiq Zakaria in 1989, it is a premier institute situated on the multi-institutional Dr. Rafiq Zakaria Campus. The sprawling campus has modern buildings blended with Mughal architecture and sprawling green gardens. The Trust named after Maulana Abul Kalam Azad embraces the rich educational traditions of India's first Education Minister, who insisted on democratization of education; to create a community that imbibes high academic standards, professional and human ethics. The college is named after veteran national leader and the first Chief Minister of Maharashtra State Mr. Yashwantrao Balwantrao Chavan patron and well-wisher.

The campus is an exemplary model of unity in diversity, with over 10,000 boys and girls of diverse caste, class, creed and religion. The College is permanently affiliated to Dr. Babasaheb Ambedkar Marathwada University and approved research center by Govt. of Maharashtra. The College is approved by All India Council for technical Education (AICTE) and Pharmacy Council of India, New Delhi. A team of about 40 qualified, experienced and dedicated teachers cater to quenching the learning need of the students. More than 15 teachers are Ph.D. qualified.

The College has produced more than nineteen hundred undergraduates and postgraduate students from various Pharmacy programs. As educators we play a crucial role in implementing a framework which ensures educational equity to the socially and culturally diversified student body.

The founder Chairman of the college Dr. Rafiq Zakaria envisioned a corporate culture and his efforts fructified with the signing of MOU with Wockhardt Research Center, Aurangabad, as early as 1999, today the college has functional MOU also with reputed pharmaceutical companies, which include Lupin Limited, Adora Products Pvt. Ltd and Ullman Laboratories Pvt. Ltd, for facility sharing, collaborative research, training and placement of students.

Research projects are underway in significant areas of synthetic medicinal chemistry, formulation development, reverse engineering, nano-formulation, basic and clinical pharmacology, translational medicine and phyto-pharmaceuticals. Faculty has published around **820** research publications in National and International journal of repute with cumulative Thomson Reuters Impact Factor more than 350 and more than 3000 Google Scholar citation. The faculty and students of the College has filed 10 Indian patent applications and published 10 books in the field of Pharmacy. The faculty also provide research consultancies and training to various pharmaceutical companies. Research consultancies and training to various pharmaceutical companies are another important feature. The college received more than 1.6 crores of research grants from the funding agencies like AICTE, UGC, ICMR, SERB and DST.

We have a glorious tradition of university rank holders and meritorious students motivated by prizes and Gold medals worth more than one Lakh instituted by various pharmaceutical industries. The alumni of our college are the assets and holding strong positions in various Pharmaceutical sectors.

Campus has excellent gymnasium facility, sport complex with a very huge stadium to develop state & national level sports champions. Faculty members and students have fetched laurels to the college through many Prizes and awards in research, co-curricular and extra-curricular activities at Intercollegiate, State, National and International level. At present, the College symbolizes the meaning of quality education and professional achievement. The campus boasts of every possible amenity. The imposing main building with spacious well-ventilated, beautifully furnished classrooms, the ultra-modern laboratories with the latest equipment and all possible accessories ensure the highest degree of professionally imparted pharmacy education. The achievements and standards set by the College have bestowed on it a reputation that has moved beyond India.

Every achievement and endeavor of the College has been promoted by the dedicated and visionary zeal of Mrs. Fatma Zakaria, Chairman of Maulana Azad Educational Trust, who worked with our late Chairman for over 40 years as Managing Trustee and has been awarded Padmashree by the President of India for her work in the field of education.

Major Achievement since the inception of the institute:

- Inception in 1989 as first degree B.Pharm College in the region.
- The College building renovated and extended with spacious instructional areas, administrative block and amenities.
- First College to have started post-graduation (M. Pharm) in 2006 in Pharmaceutics, Pharmaceutical Chemistry, Pharmacology and Quality Assurance.
- College has a unique distinction of being the first research Centre in Pharmacy, approved by the Govt. of Maharashtra and Dr. BAMU, Aurangabad
- The College has secured all India 24th rank (2017) by National Institute Ranking Framework (NIRF), MHRD Government of India, amongst all the pharmacy Colleges
- Consistent meritorious students ranked high in University merit list
- Only Pharmacy College in the region to be recognized under section 2(f) and 12(B) of UGC, New Delhi.
- ISO 9001:2008 Certified in 2014-15
- Green Audit A064 Certified in 2016-17

- Received Grants and Funds to the tune of 1.7 cores from Government and Non-Government Funding agencies.
- More than 30 awards and achievements by Faculty

5. S-W-O-C analysis of the institute

Strength

1. Highly Qualified and experienced faculty.
2. Consistent meritorious students ranked high in University merit list
3. Industrial interactions and MOU with reputed pharmaceutical Companies.
4. Excellent Placements through Industry Institute Interaction Cell of the College.
5. Strong research culture with publication of faculty, PG and Ph.D students in reputed peer reviewed Journals.
6. Out Come Based Education with CBCS.
7. Value added education inculcating ideology and philosophy of legendary and visionary leaders
8. Patent applications and grants from Government agencies such as UGC, AICTE, DST, SERB, ICMR and Non-Government funding agencies.
9. Education catering to all sections of the society.
10. State of art infrastructure, advanced Instruments and Research facilities.
11. In-plant training to every student in various Pharmaceutical establishments.
12. Provides for Scholarships to maximum students through equal opportunity cell.

Weakness

1. No curriculum autonomy.
2. The Institute is located in the backward region of Marathwada.
3. Centralized Admission process regulated by the Directorate of Technical Education, Maharashtra State, leaving no scope for admitting 'Out of Maharashtra State' (OMS) candidates.

Opportunity

1. Aurangabad being pharmaceutical manufacturing and research hub provides greater opportunities for revenue generation through collaborative projects and consultancy.
2. Making the researchers vibrant in terms of research output.
3. MOU with National and International Research Institute and Universities.
4. Quest for more research funding through various funding agencies.

5. Introduction of new Add on certificate programs and courses considering needs of Pharmaceutical Industries and soft skills.
6. Strengthening of Center for Entrepreneurship Innovation and Incubation (CEII).
7. To become “Centre with Potential for Excellence in pharmaceutical education” by UGC.

Challenges

1. To cope up with new technologies and advancements in the ever evolving pharmaceutical field.
2. Keeping pace with the global pharmaceutical human resource requirements.
3. Continue to advance with excellence in the unpredictable and challenging pharmaceutical market scenario.

5.0 MISSION & VISION OF THE INSTITUTE

Vision

To be the center of excellence in Pharmaceutical education and research, with global partnership and collaborations leading to students development from all sections of society as competent Pharmacist and proficient entrepreneurs with social commitments and human values.

Mission

To develop an evolving educational system with optimum infrastructure, competent and dedicated manpower, appropriate interaction with industries and institutes of high reputes, to generate globally competitive pharmacist as entrepreneurs, skilled-technocrats, researchers and health care professionals, to imbibe the philosophy of our founder and mentors for imparting scientific and secular value added education for social transformation and national development.

Elements of Mission:

M1: To develop an evolving educational system with competent and dedicated manpower.

M2: To provide optimum infrastructure.

M3: Appropriate interaction with industries and institutes of high reputes.

M4: To generate globally competitive pharmacist as entrepreneurs, skilled-technocrats, researchers and healthcare professionals.

M5: To imbibe the philosophy of our founder and mentors for imparting scientific and secular value added education for social transformation and national development.

Program Educational Objectives (PEO):

- **PEO1:** To provide quality education leading to competent Pharmacy graduates and post graduates.
- **PEO2:** To promote the application of technological tools to develop trained human resource to meet the global pharmaceutical and healthcare needs.
- **PEO3:** To provide the fundamental and advanced applied knowledge to the budding pharmacist and researchers.
- **PEO4:** To inculcate entrepreneurship, professionalism and lifelong learning approach in the students.
- **PEO5:** To instill environment consciousness and ethical values in the students.

The detailed Strategic plan and mechanism for financial mobilization and resource deployment for effective implementation during the ensuing 12 year period is explicated in the College VISION-2029 document the link for which has been uploaded herewith.

6.0 Core Values:

- Quest for Excellence
- Professional ethics
- Secular environment
- Professionalism
- Culture for promotion of research and innovation
- Continual quality improvement system
- Transparency

7.0 Institutional Goals:

- Faculty and staff development for leadership stated in mission and vision;

- Strengthening the Internal Quality Assurance Cell for institutional development;
- Establish Research and Development and Incubation cell at institute;
- Establishing the facility for innovation and IPR center;
- Accreditation/reaccreditation and ranking of institute by NAAC, NBAL, NBA, NIRF etc.
- Entering in to partnership/collaboration with national/international organizations/universities for research, continuing education and consultancy facilities.
- To become “Centre with Potential for Excellence in pharmaceutical education” by UGC.

8.0 Planned Initiative and programs /projects:

Strengthening Internal Quality Assurance Cell

Research collaboration with national/international organizations/industry

Setting up of Incubation center

Setting up of Entrepreneurship Development Cell

Research center leading to Ph. D.

Research proposals to DST, DBT, AICTE

Workshops/conferences for promotion of research

Setting up of Intellectual property right cell

Accreditation/reaccreditation by NBA, NAAC and NABL

Award of Autonomous status / Deemed –to-be university status to the institute

Dual degree program/ International program

Continuous professional development cell

9.0 Activities for Strategic plan (Long-term plan)

Activity Number	Activity proposed	Deployment of resources strategy
1	Human Resources Development through training in India and abroad through systematic development HRM plan	Sponsored through industry, university and parent bodies
2	Strengthening Internal Quality Assurance Cell	Internal Resources
3	Establishment of Central testing facility center in collaboration	Collaboration/partnership with industry/organization
4	Research collaboration with national/international organizations/industry	Collaboration/partnership with industry/organization
5	Setting up of Incubation center	Collaboration/partnership with industry/organization and MSME GOI
6	Setting up of Entrepreneurship Development Cell	AICTE/DST
7	Launching of a peer reviewed Research Journal in collaboration with Pharm-industry	Industry
8	Research proposals to ICMR, AYUSH, UGC, DST, DBT, AICTE, SERB.	Collaboration/partnership with industry/organization
9	Workshops/conferences for promotion of research	Collaboration/partnership with industry/organization
10	Setting up of Intellectual property right cell	Collaboration/partnership with industry/organization
11	Accreditation by NBA, NABL	Internal resources generation
12	Award of Autonomous status	Internal resources generation
13	Dual degree programs/ International programs	Internal resources generation and international collaborations
14	Continuous professional development cell	Collaboration/partnership with industry/organization

Strategies for implementation of the programs/projects:

The following strategies will be employed to attain the goals and vision of the institute-

- Deputing teaching/non-teaching staff to the training programs and conference / seminar
- Developing the a more interactive Knowledge Management (KM) portal of the institute to address the developmental agenda of the institute
- Making the alumni network stronger
- Conducting the workshops and conferences in collaboration with partner organizations/industries
- Research proposal to the funding agencies (one project per teacher)
- Developing and submitting the proposals to the funding bodies/authorities for grant of approval
- Joining the national/international programs on academic/research collaborations
- Obtaining the certification for capacity building and extending the facilities and support services.

11.0 Detailed Action Plan

Sr. No.	Activity proposed	Year	Year	Year	Year	Year	Deployment of resources strategy
I	Human Resources Development through training in India and abroad through systematic development HRM plan	1st	2nd	3d			Sponsored through industry, university and parent bodies
II	Strengthening Internal Quality Assurance Cell	1st	2nd	3rd	4th	5th	Internal Resources
III	Establishment of Central testing facility center in collaboration	5 th					Collaboration/partnership with industry/organization
IV	Research collaboration with national/international organizations/industry	3rd	4 th				Collaboration/partnership with industry/organization

V	Setting up of Incubation center	3rd	4th				Collaboration/partnership with industry/organization and MSME GOI
VI	Setting up of Entrepreneurship Development Cell	3 rd					AICTE/DST
VII	Launching of a peer reviewed Research Journal in collaboration with Pharm-industry	3rd					Industry
VIII	Research proposals to DST, DBT, AICTE	2 nd	3rd	4th	5th	6th	Collaboration/partnership with industry/organization
IX	Workshops/conferences for promotion of research	2 nd	3rd	4th	5th	6th	Collaboration/partnership with industry/organization
X	Setting up of Intellectual property right cell	2nd					Collaboration/partnership with industry/organization
XI	Accreditation by NBA, NABL and ABET	2 nd	3rd	4th	5th	6th	Internal resources generation
XII	Award of Autonomous status / Deemed –to-be university status to the institute	6th	7 th				Internal resources generation
XIII	Dual degree programs/ International programs	8th	9 th				Internal resources generation and international collaborations
XIV	Continuous professional development cell	11th	12th				Collaboration/partnership with industry/organization

The strategies for mobilization of the resources:

The following will be the sources of funding and mobilization of resources for the strategic plan Vision-2029-

- i. Excess/balance from the budgetary provisions
- ii. Research funding
- iii. Collaborations with industry/organization
- iv. Conduct of training/conferences/workshops/Testing and consultancy
- v. Saving in the expenditures
- vi. Alumni contribution
- vii. Promoter's contribution

(Note: the details on the finance requirement and annual budgetary requirement are the 2nd part of the strategic plan).

14.0 Performance Measures, targets & standards

Sr. No.	Activity proposed	Performance Measures, target and standards
I	Human Resources Development through training in India and abroad through systematic development HRM plan	<ul style="list-style-type: none">• ASSESSMENT OF TRAINING NEEDS• IDENTIFICATION OF TRAINING STRATEGY AND AGENCY• DEVELOPMENT OF TRAINING PLAN• 20% FACULTY & STAFF TRAINING PER YEAR• TRAINING IN CONTENT UPDATION, RESEARCH & EDUCATIONAL LADERSHIP
II	Strengthening Internal Quality Assurance Cell	<ul style="list-style-type: none">• DEVELOPING ORGANIZATION STRUCTURE• APPOINTMENT OF COMMITTEES SUCH AS PAC, DAB• DEVELOPMENT OF PORTAL• DEVELOPMENT OF INFRASTRUCTURE• DEVELOPING SYSTEM FOR INSTITUTIONAL DEVELOPMENT, MONITORING & ASSESSMENT
III	Establishment of Central testing	<ul style="list-style-type: none">• IDENTIFICATION OF POTENTIAL AREA & PARTNERS

	facility center in collaboration	<ul style="list-style-type: none"> • PROPOSAL DEVELOPMENT • POLICY FORMATION • PROCUREMENTS • DEVELOPING SOPs • IMPLEMENTATION
IV	Research collaboration with national/international organizations/industry	<ul style="list-style-type: none"> • IDENTIFICATION OF RESEARCH AREA/DOMAIN • MULTI-DISCIPLINARY & INTER-DISCIPLINARY RESEARCH • PUBLICATION OF RESEARCH JOURNAL • DEVELOPING PROPOSAL FOR RESEARCH COLLABORATION & RESEARCH PROJECTS • 2 PROJECTS PER YEAR
V	Setting up of Incubation center	<ul style="list-style-type: none"> • DEVELOPMENT OF MECHANISM AND INFRASTRUCTURE • APPLICATION/PROPOSAL TO AUTHORITIES • PUBLICATION & INVITATION • PRESENTATION & FOLLOW UPS
VI	Setting up of Entrepreneurship Development Cell	<ul style="list-style-type: none"> • DEVELOPMENT OF MECHANISM AND INFRASTRUCTURE • APPLICATION/PROPOSAL TO AUTHORITIES • PUBLICATION & INVITATION • PRESENTATION & FOLLOW UP
VII	Research center leading to Ph. D.	<ul style="list-style-type: none"> • DEVELOPMENT OF MECHANISM AND INFRASTRUCTURE • APPLICATION/PROPOSAL TO AUTHORITIES • PUBLICATION & INVITATION • PRESENTATION & FOLLOW UPS
VIII	Research proposals to DST, DBT, AICTE	<ul style="list-style-type: none"> • DEVELOPMENT OF MECHANISM AND INFRASTRUCTURE • APPLICATION/PROPOSAL TO AUTHORITIES • PUBLICATION & INVITATION • PRESENTATION & FOLLOW UPS

IX	Workshops/conferences for promotion of research	<ul style="list-style-type: none"> • DEVELOPMENT OF MECHANISM AND INFRASTRUCTURE • APPLICATION/PROPOSAL TO AUTHORITIES • PUBLICATION & INVITATION • PRESENTATION & FOLLOW UPS
X	Setting up of Intellectual property right cell	<ul style="list-style-type: none"> • DEVELOPMENT OF MECHANISM AND INFRASTRUCTURE • APPLICATION/PROPOSAL TO AUTHORITIES • PUBLICATION & INVITATION • PRESENTATION & FOLLOW UPS
XI	Accreditation by NBA, NABL etc.	<ul style="list-style-type: none"> • DEVELOPING LONG-TERM FOR ATTNMENT OF ACCREDITATION & RANKING • SETTING BEANCH MARK • INTERNAL ASSESSMENT, MONITORING & REVIEW • PREPARATION OF PROPOSAL • APPLICATION • IMPLEMENTATION
XII	Award of Autonomous status / Deemed –to-be university status to the institute	<ul style="list-style-type: none"> • DEVELOPMENT OF MECHANISM AND INFRASTRUCTURE • APPLICATION/PROPOSAL TO AUTHORITIES • PUBLICATION & INVITATION • PRESENTATION & FOLLOW UPS
XIII	International programs	<ul style="list-style-type: none"> • DEVELOPMENT OF MECHANISM AND INFRASTRUCTURE • APPLICATION/PROPOSAL TO AUTHORITIES • PUBLICATION & INVITATION • PRESENTATION & FOLLOW UPS
XIV	Continuous professional development cell	<ul style="list-style-type: none"> • DEVELOPMENT OF MECHANISM AND INFRASTRUCTURE • NEED ASSESSMENT • PROGRAM DEVELOPMENT • CURRICULUM DEVELOPMENT

		<ul style="list-style-type: none">• DEVELOPMENT OF LEARNING MATERIAL• PUBLICATION & INVITATION• PRESENTATION & FOLLOW UPS
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Tool for Evaluation and Monitoring:

The following strategies will be followed for evaluation and monitoring of the strategic plan-

- a. Formation of evaluation & monitoring committee by involving external experts from industry and academic (5-member committee)
- b. Development of tools and formats for collection of data and analysis of data
- c. Half yearly and annual review against project benchmarks and project plan
- d. Publication of half yearly and annual reports
- e. Publication project performance report (project-wise)