



(University with Potential for Excellence)

University of Mumbai

Fort, Mumbai - 400 032

Annual Quality Assurance Report (IQAR) of the IQAC

Report for the year 2009 – 2010

Annual Quality Assurance Report (IQAR) of the IQAC.

Name of the Institution: University of Mumbai,

Fort, Mumbai – 400 032.

Year of Report: 2009 - 2010

Section A: Plan of action chalked out by the IOAC in the beginning of the year towards quality enhancement.

Some of the major activities to be carried out during the year 2009-10 were as follows:-

Introduction of new M. Tech., M.A., M. Sc., M. Phil, Ph. D. programmes in UDCT, Centre for Central Eurasian studies, Department of Bio-technology. Also new P. G. Diploma course to be conducted in Garware Institute of Career Education and Development were planned.

Revision of syllabi in the subjects wherever it was due. Use of technology like 1) online admissions and issuing of Hall Tickets, 2) multimedia projectors for lecture and lab programmes, 3) internet access to students and teachers. Encourage departments and faculty members to submit research projects to UGC, DST, BRNS, ISRO etc for individual project grants and/or under DST-FIST, UGC-SAP programmes. Encourage the faculty and departments and institutes to start collaborative academic and research programmes in order to enhance the interaction between various organizations and which will benefit the academic community.

Section B: Details in respect of the following for the year 2009 – 2010

1. Activities reflecting the goals and objectives of the institution

To start new M. Tech in Food Biotechnology, M. Sc. in Bio-informatics, M. A., M.Phil, Ph. D. in Eurasian studies and post graduate diplomas in applied fields. Introduce syllabus revision of the subjects and academic reforms wherever necessary.

Garware Institute of Career Education and Development in collaboration with Industries and Institutes proposed to add new inter-disciplinary P.G. Dip. Programmes. Department of French proposed interdisciplinary lectures for students' community, in collaboration with other departments of the University. Department of Economics drafted several new courses and implemented reforms in the examination system.

Issuing online Hall Tickets to students of B. Sc (Nautical Technology) was planned. This would avoid hardships to IDOL students. In an effort to improve the standard of the teaching programme, the Department of Statistics proposed to change the pattern of question papers for M.A/M.Sc. examinations.

Faculty of University Departments was requested to provide their guidance to the University students appearing for SLET/NET examinations.

The faculty members from various departments were encouraged to attend refresher/orientation courses organized by Academic Staff Colleges of Mumbai and other Universities. University Departments were asked to organize and conduct orientation and refresher programmes for teachers in collaboration with Academic Staff Colleges of Mumbai University. The departments were asked to organize seminars, workshops and symposia as part of the academic and research activities in order to enhance and upgrade the knowledge of the teaching community in various subjects, in the country.

All the departments were asked to submit new projects to various funding agencies like UGC, DST, BRNS, ISRO etc. Those departments having ongoing projects were requested to complete the same in due period and utilize the entire research grants.

The faculty was advised to start new collaborative research programmes with other academic/research institutes and industries. The departments were asked to submit new research projects and procure research grants for their research work. The departments were advised to generate internal resources which can be used by them for augmenting their facilities. The Heads of Departments were requested to obtain students' feedback/assessment of their teachers in order to improve the teaching programme. The department were also asked to upgrade the existing facilities and introduce new technologies like use of multimedia projectors, OHPs, internet access in the lecture and laboratory programmes.

2. New Academic programmes initiated (UG and PG):

Sixteen new courses, as listed below, were started by eight Departments of the Univeraity. during this year.

Sr.No.	Department	Academic Programme
1	Department of Statistics	<ul style="list-style-type: none"> ➤ Postgraduate Diploma in Actuarial Science (PGDAS) ➤ Postgraduate Diploma in Applied Statistics with Software (PGDASS)
2	Department of Biotechnology	➤ M.Sc. in Bioinformatics
3	Department of Commerce	➤ M.Com. in Accountancy
4	Department of French	<ul style="list-style-type: none"> ➤ Certificate course in Intensive Italian ➤ Diploma course in Intensive Italian
5	Department of Civics and Politics	➤ Post Graduate Diploma in Consumer Protection (PGDCP).
6	Centre for Central Eurasian Studies	<ul style="list-style-type: none"> ➤ Master of Arts (M. A.), ➤ Master of Philosophy (M. Phil.), ➤ Doctor of Philosophy (Ph. D.)
7	Institute of Chemical Technology	<ul style="list-style-type: none"> ➤ M. Tech. in Food Biotechnology ➤ Postgraduate Diploma in Chemical Technology Management (PGDCTM)

8	Garware Institute of Career Education and Development	<ul style="list-style-type: none"> ➤ Postgraduate Diploma in Film and Television (PGDFT). ➤ Postgraduate Diplomas in Jewellery Management (PGDJM). ➤ Postgraduate Diplomas in Management (PGDM). ➤ Postgraduate Diplomas in Telecom Management (PGDTM).
---	---	---

3. Innovations in curricular design and transaction

Sr.No.	Department	Innovations in curricular design and transactions
1	Department of Mathematics	➤ Introduced 1) Credit System, 2) new syllabus for M. Sc. part I, 3) a paper on 'Probability' in semester I.
2	Centre for Central Eurasian Studies	<ul style="list-style-type: none"> ➤ Initiated revision of M.A. syllabus ➤ Initiated discussion to introduced P.G. Diploma in Studies on CIS countries
3	University Department of Chemical Technology (UDCT)	➤ Introduced Credit System and academic reforms for B. Chem. Engg., B. Tech. & M. Chem. Engg.
4	Department of French	➤ Arranged Open Day for teachers- students- parents interaction after semester I regarding the feedback on the students' performance.
5	Department of Urdu	➤ Revised curriculum for M.A-I & II course in Urdu designed keeping in view the competitive examinations and NET pattern.
6	Department of Pali	➤ Revised syllabus and paper pattern introduced for M.A-I.
7	Department of Gujarati	➤ Revised syllabus for M.A. Part II & M.Phil.
8	Department of Applied Psychology	➤ The department has planned to move towards credit-based semester system and regular meetings are conducted to develop new curricula for the same.

4. Inter-disciplinary programmes started

Department of French held special lectures for student community in collaboration with Departments of History, Library Science and Centre for African Studies. It also screened interesting films on democracy & citizenship in collaboration with Department of Civics and Political Science.

Sr.No.	Department	Collaborating institute/(s)	Course
1	Garware Inst. of Career Education and Development	Industry/Institutions using their professional infrastructure and expert faculty	<ul style="list-style-type: none"> ➤ P.G. Dip. in Jewellery Management ➤ P.G. Dip. in Film and Television
2	Department of French	Department of History, Centre for African Studies & Dept. of Library Science	➤ Joint special lectures
		Department of Civics and Political Science	➤ Films Screening on democracy & citizenship
3	Department of Applied Psychology		➤ The faculty members are part of four interdisciplinary research program developed for UPE.

5. Examination reforms implemented

Sr.No.	Department	Examination reforms
1	Institute of Distance and Open Learning (IDOL)	➤ Online Hall Tickets to students of B. Sc (Nautical Technology)
2	Department of Statistics	➤ Pattern of question papers for M.A/M.Sc. changed to improve the standard.
3	Department of Biophysics	➤ Started Term Examinations
4	Department of Gujarati	➤ External Annual Exam
5	Centre for Central Eurasian Studies.	➤ Adopted evaluation system of the Mumbai University
6	Department of Economics	➤ Implemented changes in the examination rules

6. Candidates qualified: NET/SLET/Gate etc.

A total no. of 82 students passed their NET and SLET examinations in various subjects as listed below.

Sr.No.	Department	Subject	NET	SLET
1	University department of Chemical Technology (UDCT)	M. Chem. Engg	38	
		M. Pharm.	25	
		M..E (Plastic Engg.)	01	
		M..Tech.. (Textile)	04	
		M.Tech. (Foods)	08	
		M.Tech. (Polymer)	01	
		M..Tech. (Oils)	01	
2	Department of French	M. A. French	01	---
3	Department of Hindi	M. A. French	02	01

7. Initiative towards faculty development programmes

The faculty members from various departments attended refresher/orientations courses organized by Academic Staff Colleges of Mumbai and other Universities. Some departments organized and conducted orientation and refresher programmes in collaboration with Academic Staff Colleges of Mumbai University. Centre for Central Eurasian Studies started a Newsletter of the centre and collaborative activities at National and International levels. The details are listed below.

Department	Name of the Teacher	Development Programme
Institute of Distance and Open Learning (IDOL)	Dr. Hemlata Chari	➤ Participated in online workshop on Basic and Higher level “Using MOODLE” from Knowplace (Canada).
	Prof. Anil Bankar	➤ Attended Refresher course at Dr. B. A. M. University, Aurangabad
	Prof. Santosh Rathod	➤ Attended Orientation course organized at University of Mumbai

	Prof. Mandar Bhanushe	➤ Attended workshop on “Research in Distance and Online Learning” organized by IGNOU, New Delhi
Department of French	Ms Aditee Padsalgikar	➤ Attended teachers’ training workshop organized by IATF at Bangalore
	Dr Vidya Vencatesan	➤ Attended a refreshers course at University of Mumbai.
		<ul style="list-style-type: none"> ➤ Organized special teachers’ training workshops with Saraswati ➤ Publications (Major French language manual publishers in India)
Academy of Theatre Arts		➤ Organized Orientation programme for teachers
Department of Hindi		➤ Organized Refresher Course.
Department of Pali		<ul style="list-style-type: none"> ➤ Attended and presentations paper by the faculty in the International Conferences ➤ Publication of Books- by Visiting Faculty.
Department of Marathi		➤ Organized. Refresher Course for teachers
Department of Applied Psychology		<ul style="list-style-type: none"> ➤ Got approval from UGC to organize Refresher Course in Psychology in the year 2010-11. ➤ Planned for conducting a workshop on ‘Suicide prevention’ for college teachers.
Centre for Central Eurasian Studies		<ul style="list-style-type: none"> ➤ Held monthly faculty seminars ➤ Brought out Newsletter of the Centre ➤ Organized joint academic activities with University departments, other Universities, Consulate of Russia, Nehru Centre, MEA, ICSSR etc., ➤ Started collaboration with other academic institution in Russia and CIS.

8. Total number of seminars/workshops conducted

A total number of 27 workshops/seminars were organized by various departments of the University. The details are as follows.

Department	Seminar/Workshop details
Department of Pali	➤ 2 days workshop in Brahmi Script and Pali Language
Department of Civics and Politics	➤ Seminar on “Embrace Diversity, End Discrimination” in collaboration with Maharashtra State Human Rights Commission
	➤ Seminar on “Recent Trends in Public Administration” in collaboration with Board of Studies.
Institute of Distance and Open Learning (IDOL)	➤ A Moodle Workshop for the teachers from colleges associated with IDOL for its various academic activities.
	➤ 43 rd IATE International Conference on “Teacher Education and ICT: Global Context, Policy and Framework” jointly organized by IDOL and Department of Education, University of Mumbai
Department of Statistics	➤ Organized faculty Seminars
Academy of Theatre Arts	➤ Organized 5 workshops
Department of French	➤ International conference “Retrouvailles Camusiennes - Revisiting Camus” from 24 th to 25 th March 2010 Bouche an Oreille.
Department of Urdu	➤ Seminar on ‘Habib Tanveer: Shakhsiyat aur fan’ on 15 th February 2010.
	➤ Two day Seminar on ‘Yusuf Nazim: Shakhsiyat aur fan’ on 29 th – 30 th March 2010.
	➤ Symposium on “Dard Se Pare” by Jeetendra Billu 12 th August 2009.
	➤ Symposium on Aleemullah Hali on 27 th February 2010
Department of Pali	➤ Two workshops and One Seminar
Department of Marathi	➤ Organized one Lecture Series

Department of Sindhi	<ul style="list-style-type: none"> ➤ Workshop on ‘Standardization of Sindhi Writing System’, 1st- 6th February 2010, Ulhasnagar, Maharashtra (in collaboration with Western Regional Language Centre, Deccan College, Pune.
Department of Gujarati	<ul style="list-style-type: none"> ➤ Two days National Seminar on “Medieval Literature: In the Special Context of Society, Culture and Creativity
Dr Ambedkar Centre for Social Justice	<ul style="list-style-type: none"> ➤ Half Day Seminar jointly with Women Development Cell and ➤ One National Seminar
Department of History	<ul style="list-style-type: none"> ➤ International Conferences – 02 ➤ Workshops- 02
Department of Economics	<ul style="list-style-type: none"> ➤ National Conference on “<i>MGNREGA and the Agrarian Crisis</i>”, Department of Economics, University of Mumbai, Mumbai, 27-28 April 2010. Sponsored by UNDP. ➤ International Workshop on Experimental. Social Sciences, 28-29th December 2009 ➤ One day workshop onm “Motor Vehicles Act-the Amendments Required Therein”, November 21, 2009
Department of Applied Psychology	<ul style="list-style-type: none"> ➤ Seminars – 04 ➤ Workshops - 03

9. Research projects a) Ongoing; b) Completed

Department	Project details	Status
Institute of Distance and Open Learning	<ul style="list-style-type: none"> ➤ “The development of Intelligent Tutoring Systems (ITS) in the developing Countries”, DFID Research Project by Prof. D. Harichandan, (Collaborators: Hajvery University, Pakistan) 	Ongoing
	<ul style="list-style-type: none"> ➤ Collaborative Research on “Curriculum studies in India- China” by Dr. Hemlata Chari, 	Ongoing
	<ul style="list-style-type: none"> ➤ “Attitude towards and Barrier for use of ICT in teaching by teachers” DEC short term research project, by Prof. Mandar Bhanushe. 	Ongoing

Department of Marathi	<ul style="list-style-type: none"> ➤ “Collection and Critical Study of the performing Folk Art Forms of South Konkan Region”; UGC Major research project by Dr. Pushpalata Rajapure-Tapas. 	Completed
Department of Sindhi	<ul style="list-style-type: none"> ➤ ‘Jethmal Parsram Gulrajani Jo Sindhi Adab Mein Yogdan’ 	Ongoing
Department of Gujarati	<ul style="list-style-type: none"> ➤ The feminist Phenomena in the form of Novel in Gujarati & Marathi Literature: “A Comparative study with special context. 	Completed
	<ul style="list-style-type: none"> ➤ “Women empowerment in the special context of Indian tradition, Society & literature & Female writing”. (to be Published in the book form by Gujarat Sahitya Akademi, Gandhinagar. 	Completed
Centre for Central Eurasian Studies	<ul style="list-style-type: none"> ➤ ----- 	Ongoing
Department of Physics	<ul style="list-style-type: none"> ➤ Fe and N diffusion mechanism in FeN using neutron reflectivity. (UGC-DAE CSR) 	Completed
	<ul style="list-style-type: none"> ➤ Theoretical Investigation in light front field theory. (DST) 	Completed
	<ul style="list-style-type: none"> ➤ Effects of relativity and correlation on the radiative decay of hollow atoms. (DST) 	Completed
	<ul style="list-style-type: none"> ➤ Study of the effect of III-V (GaP) & (InP) compounds by Ag^{107} ions. (IUAC) 	Ongoing
	Studies of dilute magnetic semiconductors (DMS) formed by ion implantation and pulsed laser melting. (DST)	Completed
	Study of metal- nanotube interactions for H-storage using DFT. (DAE-BRNS)	Ongoing
	DST-FIST IInd level. (DST, Rs. 100.00 Lakhs)	Ongoing
	UGC-SAP DRS Level II, (UGC)	Ongoing

<p>Department of Economics</p>	<p>Projects of Prof. S. Sriraman</p> <ul style="list-style-type: none"> ➤ Financing Transport Infrastructure and Services in India – work undertaken for Reserve Bank of India. The project report was published in January 2009 by the Reserve Bank of India (available on their website). ➤ ‘Total Transport System Study for India’ supported by Planning Commission of India and undertaken by the Rail India Technical and Economic Services Ltd. (RITES) <p>Projects of Prof. Dolly Sunny:</p> <ul style="list-style-type: none"> ➤ CAS project ➤ Socio-Economic Impact on Diasporic Remittances: A study of Indian Emigrants to Middle East. ➤ Resource Utilization and Computer Competency- With Special Reference to Higher Education. <p>Projects of Prof. Ritu Dewan:</p> <ul style="list-style-type: none"> ➤ District Human Development Report: Sangli District of Maharashtra,’ Planning Department, Government of Maharashtra (on-going). ➤ ‘Linking Rights: Livelihood and Housing’, funded by Centre for Human Development (sponsored by UNDP), Department of Economics, University of Mumbai (on-going). <p>Projects of Prof. Neeraj Hatekar</p> <ul style="list-style-type: none"> ➤ Computational Social Sciences sanctioned by the UGC (Rs.1.19 crores). ➤ Understanding the Unorganized Sector, project sanctioned by the UGC, (Rs.15 lakhs). 	<p>Completed</p> <p>Completed</p> <p>Completed</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p>
------------------------------------	--	---

	➤ Comparative Study of the Economic Impact of off-shore services (with Neils Beerepoot as Principal Investigator), funded by the Government of Netherlands.	Ongoing
Department of Applied Psychology	Projects on disaster management, computational social sciences, and educational research.	Ongoing

10. Patents generated if any

11. New collaborative research programmes

➤ Institute of Distance and Open Learning

- Collaborative Research Programme: with Prof. William Pinair, (Chair, University British Columbia, Canada)
- “Curriculum studies in India- China” by Dr. Hemlata Chari, Dy. Director (Academic)

➤ Department of Statistics

- Co-guide for the Ph. D. student in the joint Research Programme with Indian Institute of Technology, (IIT-Bombay), Mumbai.

➤ Department of Centre for Central Eurasian Studies.

- Initiated research programmes jointly with Indian council of World Affairs, New Delhi.

➤ Department of Physics

• International Collaborations

- Prof. A. D. Yadav_with Prof. D. A. Zatsepin et al, Institute of Metal Physics, Ural Division, Russian Academy of Sciences, Russia.
- Prof. D. C. Kothari with Prof A. Miotello, University of Trento, Italy.
- Dr Anuradha Misra with Prof Laenen, NIKHRF, Amsterdam, Netherlands.
- Dr Radha S with Prof S. H. Lim, University of Seoul, S Korea “Magnetic and transport measurements of rare earth magnetostrictive compounds”.

- **National Collaborations**
- **Inter-University Accelerator Centre, New Delhi**
 - Prof. A.D.Yadav with Dr. D. K. Awasthi, and with Dr. D. Kanjilal
 - Prof. D. C. Kothari with Dr. D. Kanjilal
 - Prof Varsha Bhattacharyya with Dr. D. Kanjilal
 - Dr. S. K. Dubey_with Dr. D. Kanjilal
- **Tata Institute of Fundamental Research (TIFR), Mumbai**
 - Prof Varsha Bhattacharyya with Prof E.V. Sampathkumaran
 - Dr M.R.Press with Dr S. N. Mishra
 - Dr Radha Srinivasan_with Prof A. K. Nigam “”
- **Bhabha Atomic Research Centre, Mumbai**
 - Prof. A. D. Yadav with Dr. D. Bhattacharyya, Spectroscopy Division.
 - Prof. D. C. Kothari with Dr. S. Bannerjee.
 - Dr. B. J. Nagare_with Dr. Swapan Ghosh, Chemistry Division,
- **UGC-DAE CSR Centres:**
 - Prof. A. D.Yadav with Dr. Mukul Gupta, Mumbai.
 - Prof. Varsha Bhattacharyya with Dr Shripati, Indore.
 - Dr. S. K. Dubey_with Dr S. K. Deshpande, Indore.
- **Indian Institute of Technology, Mumbai**
 - Prof. A. D.Yadav with Dr T. K. Gundu Rao, RSIC.
 - Prof. Varsha Bhattacharyya with Dr T. K. Gundu Rao.
 - Dr. S. K. Dubey with Dr T. K. Gundu Rao.
 - Dr. Radha S_with Dr K. G. Suresh, Physics Dept.
- **Indian Institute of Mathematical Sciences, Chennai**
 - Dr Anuradha Misra_with Prof Rahul Basu,

- **University of Pune, Pune**

- Dr. B. J. Nagare_with Prof D. G. Kanhere, Physics Department.

- **Department of Economics**

- Teachers of the department are collaborating with teachers from other departments on interdisciplinary research projects funded by the UGC under the UPE programme. Also, there are several research collaborations with national and international organisations.

12. Research grants received from various agencies

Department	Funding Agency	Total Grants in Rs.
Institute of Distance and Open Learning	Distance Education Council	20.00 lakh
Department of Mathematics	National Board for Higher Mathematics	06.00 lakhs
Department of Urdu	UGC	???
Department of Biophysics	---	12. 07 lakhs
Centre for Central Eurasian Studies	UGC, MEA, ICSSR & University of Mumbai	----
Department of Physics	DST(FIST II)	100.00 lakhs
	UGC (SAP II)	45.00 lakhs
	Faculty projects DST DAE-BRNS IUAC	36.00 lakhs 12.00 lakhs 07.26 lakhs
Department of Economics	Faculty projects	
	UGC	1.19 Crore
	UGC Govt. of Netherlands	15.00 lakhs ----
Department of Applied Psychology	UPE-UGC project on CBR	68.00 lakhs

13. Details of research scholars

During this year, 399 students were enrolled for M. Phil. and Ph. D. degrees. The number of students who completed their Ph. D./ M. Phil. degrees was 47.

Department	No. of research scholars	No. of research scholars who have obtained research degrees
Institute of Distance and Open Learning	08	03
Rajiv Gandhi Centre for the Contemporary Studies	09	01
Department of Statistics	02	----
Department of Physics	95	23
Department of Biophysics	04	----
Department of Commerce	10	02
Department of French	01	----
Department of Hindi	M. Phil- 30, Ph. D- 09	-----
Department of Urdu	2	1
Department of Pali	M. Phil.- 14	-----
Gurudev Tagore Chair of Comparative Literature	M. Phil- 08, Ph. D- 01	-----
Department of Marathi	Ph.D-10	----
Department of Sindhi	M. Phil- 01, Ph. D- 01	----
Centre for Central Eurasian Studies	Ph. D- 01	----
Department of Civics and Politics	27	----
Department of History	M. Phil - 15, Ph. D- 32	M. Phil- 06
Department of Gujarati	M. Phil. – 11, Ph. D - 09	M. Phil- 07
Department of Economics	10	03
Department of Applied Psychology	07	---

14. Citation index of faculty members and impact factor

➤ Department of Biophysics

Citations: 2.80

➤ **Department of History**

All faculty members' work has been cited frequently. Impact factor is high.

➤ **Department of Applied Psychology**

Faculty members regularly contribute papers to various journals and write books/book chapters, etc in national and international level. The citation index and impact factor is not available for social sciences journal in general and most Indian journals in particular.

15. Honours/Awards to faculty: National and International

Faculty Name	Honours/Awards
Prof. D. Harichandan Director IDOL	<ul style="list-style-type: none"> ➤ Nominated as Member, Academic Advisory Board, School of Distance Education, Calicut University, Kerala ➤ Nominated as a member of Governing Body, NIOS, Delhi
Prof. Sharad S. Sane Dept. of Maths.	<ul style="list-style-type: none"> ➤ Elected Fellow of the Indian Academy of Sciences
Dr. Vidya Vencatesan Department of French	<ul style="list-style-type: none"> ➤ Chevalier dans l'Ordre des Palmes Academiques Le Chavelier des Arts et des Letters
Dr. Baldev B. Matlani Department of Sindhi	<ul style="list-style-type: none"> ➤ 'Pride of Sindhi Community Award' by Sindhi Association of Southern California, at 16th world Sindhi Sammelan, Los Angeles, USA
Smt. Shobha Gaekwad Centre for Central Eurasian Studies	<ul style="list-style-type: none"> ➤ "Certificate of Honour by Federal Agency (Ros-Sotrudnichestva, Russian Federation) for contributions towards development of International Humanitarian,"
Dr. Ruby Maloni Department of History	<ul style="list-style-type: none"> ➤ Convener of the International Symposium on 'Culture of Peace' in collaboration with Mumbai Festival ➤ Convener of the International Conference on 'Monsson Asia in the Age of Revolution' in collaboration with Dept. of History, Leiden University
Dr. T.R. Ghoble Department of History	<ul style="list-style-type: none"> ➤ Elected President, 'Countries other than Indian Section', Indian History Congress

16. Internal resources generated

Garware Institute of Career Education and Development generated a significant amount of Rs.1.24 Crores through its various courses.

Department	Resources generated in Rs.
Garware Institute of Career Education and Development	➤ 124.00 Lakhs
Department of Statistics	➤ Resources generated from two self supportive courses PGDAS & PGDASS
Department of Urdu	➤ 0.75 Lakh
Dr. Ambedkar Centre for Social Justice	➤ Through Sale of brochures, handbooks, admission forms, etc
Department of Applied Psychology	➤ 0.10 Lakh (through Counseling Centre)
Department of Civics and Politics	➤ Through sales of admission forms, syllabus copies and sale of departmental publications

17. Details of departments getting assistance/recognition under SAP, COSIST(ASSISI)/DST FIST and other programmes

Department	Programmes
Rajiv Gandhi Centre for the Contemporary Studies	➤ UGC
Department of Physics	➤ DST – FIST Level II : Rs. 100 Lakhs ➤ UGC-SAP DRS II : Rs. 45 Lakhs
Dr. Ambedkar Centre for Social Justice	➤ UGC
Centre for Central Eurasian Studies	➤ UGC
Department of Civics and Politics	➤ ASIHSS
Department of Economics	➤ UGC-CAS

18. Community services

➤ Academy of Theatre Arts

- Held National Festival & conducted Six Workshops for academic and theatre community.

➤ **Department of Pali**

- Distributed T-Shirts with messages in Pali along with information of why learn Pali pamphlets.
- Published Marathi articles in popular Newspaper about Pali and Brahmi Script

➤ **Department of Applied Psychology**

- Every faculty member has been contributing every year to community mental health and welfare programmes.
- The department has a counseling centre. It is active and serves the community. The psychological assessment, guidance and counseling services are provided to the people with reasonable charges that are approved by the department. The faculty members also extend their psychological services to the community.

➤ **Department of Centre for Central Eurasian Studies**

- Faculty delivers public lectures at various forums

19. Teachers and officers newly recruited

Department of French : One Assistant Professor Ms. Tasneem Azmi

Department of Pali : 2 Assistant Professor (Temporary), 1 Adjunct faculty

Department of Gujarati : 1 Associate Professor

Dr Ambedkar Centre for Social Justice: Visiting Faculty

20. Teaching – Non-teaching staff ratio

Department	Ratio
Institute of Distance and Open Learning	1:7
Aklesh Dinesh Mody Institute for Financial and management Studies	5:11
Department of Statistics	1:2
Department of Physics	0.84
Department of Biotechnology	3:1
Department of Commerce	4:4
Academy of Theatre Arts	3:2

Department of French	4:2
Department of Hindi	4:4
Department of Urdu	1:2
Department of Pali	5:4
Gurudev Tagore Chair of Comparative Literature	1.02
Department of Sindhi	4:6
Department of Marathi	2:2
Department of Gujarati	1:1
Dr Ambedkar Centre for Social Justice	0.3
Centre for Central Eurasian Studies	3/2
Department of Civics and Politics	8:10
Department of History	6:6
Department of Applied Psychology	6:10

21. Improvements in the library services

22. New books/journals subscribed and their value

23. Courses in which students' assessment of teachers is introduced and the action taken on student feedback

- Institute of Distance and Open Learning: M.A. (Education)
- Rajiv Gandhi Centre for the Contemporary Studies: Ph. D
- Department of Physics: M.Sc. Part I, M.Sc. Part II
- Academy of Theatre Arts: MTA
- Department of Urdu: P.G. classes.
- Department of Sindhi: M.A. in Sindhi
- Department of History: Student feedback is taken regularly.

The teachers were made aware of the feedback received from the students and were urged to take appropriate steps to incorporate the suggestions of the students if any.

24. Feedback from stakeholders

25. Unit cost of education

26. Computerization of administration and the process of admissions and examination results, issue of certificates

27. Increase in infrastructural facilities

Department	Infrastructure
Institute of Distance and Open Learning	➤ Improvisation of infrastructural facilities (setting up Virtual Learning and Tele Education Studio)
Rajiv Gandhi Centre for the Contemporary Studies	➤ Yes. Building Ready
Department of Statistics	➤ Two Computer labs have been set up with the Computers with Networking & Software SAS, SPSS & MINITAB
Department of Biophysics	➤ Equipment: D Gel Electrophoresis, Sonicator ➤ Rotary Vacuum Evaporator
Department of Biotechnology	➤ Brunswick fermentor & thermocycler along with work station
Department of Commerce	➤ 2 Computers, 2 Printers, 1 Laptop, 2 AC
Department of French	➤ Renovation of Head of Department's office and 2 Class rooms. ➤ Installed Direct telephone line and internet facility. ➤ Acquired one 3 in 1 printer (print-scan-copy)
Department of Hindi	➤ Augmented furniture & Computational facilities
Department of Pali	➤ Acquired new furniture
Department of Marathi	➤ Augmented furniture and Computational facilities

Department of Sindhi	➤ Acquired 1 Xerox Machine, 10 Book Cases
Centre for Central Eurasian Studies	➤ Computer lab, Documentation Unit, Seminar room, Library
Department of Civics and Politics	➤ 1 Photocopier, Laptop, Printer, DVD Player Computer Lab, 2 Air Conditioner, 20 Pull down screens
Department of Commerce	➤ PowerPoint Slides
Department of Economics	<ul style="list-style-type: none"> ➤ State of the Art Desktops and printers, ➤ LCD Projectors (4 nos.) ➤ Adequate book cases for library ➤ A well equipped Seminar Hall (75 seater) ➤ A Computer Laboratory for M.A. Students (15 seater) ➤ Research facilities for Ph.D. students and Teachers (15 nos.) ➤ Well Equipped Faculty Lounge ➤ Renovated Toilets (4 nos) ➤ Re-furbished Director's office

28. Technology upgradation

Department	Facilities upgraded
Department of Statistics	➤ Subscribed latest journals and added new books which are made available to all students & teachers. Installed LCD in both labs. Lectures delivered using LCD.
Department of Physics	➤ The Faculty members delivered lecture/ presentation by over head projectors, slide projectors. Installed LCD projectors for Power Point presentations.
Department of Biophysics	➤ Started a Journal Club for teaching programmes.
Department of Biotechnology	➤ Availability of LCD & Overhead projectors, online tutorials for students.

Academy of Theatre Arts	<ul style="list-style-type: none"> ➤ Hi-Fi Camera Techniques & New teaching methods for the students along with new CD, VCD, DVD library. ➤ Personal Direction, Acting opportunities to the students of the Academy under the exceptional teaching guidance.
Department of French	➤ Portable audio quipment used in language teaching
Department of Hindi	➤ Acquired Computers, T.V., DVD Player as technological support to teaching.
Department of Urdu	➤ Acquired Over Head projector, computer and internet.
Department of Pali	➤ LCD projectors for Power Point presentations.
Department of Marathi	➤ Acquired Computers, T.V., DVD Player as technological support to teaching.
Department of Sindhi	➤ Use of audio- visual methods
Dr Ambedkar Centre for Social Justice	➤ Laptop, Power Point presentation and LCD Projectors
Centre for Central Eurasian Studies	➤ Extensive use of projector, power point presentation, computers in teaching and research
Department of Civics and Politics	➤ LCD Projector Power point presentation for delivering lectures.
Department of Economics	<ul style="list-style-type: none"> ➤ Updating the Department Web page ➤ Organisation and updating of the library database in the WINISIS Library Software, which enables faculty members to efficiently search for books from their own office computers
Department of Applied Psychology	➤ LCD, computers, and wi-fi network is also available.

29. Computer and internet access and training to teachers, non-teaching staff and students

Computer facilities and internet access have been provided to teachers, students and non-teaching staff of following 15 departments listed below.

1. Department of Rajiv Gandhi Centre for the Contemporary Studies
2. Department of Statistics
3. Department of Biophysics

4. Department of Biotechnology
5. Academy of Theatre Arts
6. Department of French
7. Department of Hindi
8. Department of Urdu
9. Department of Pali
10. Department of Marathi
11. Department of Sindhi
12. Dr Ambedkar Centre for Social Justice
13. Department of Centre for Central Eurasian Studies.
14. Department of Civics and Politics
15. Department of History
16. Department of Economics
17. Department of Applied Psychology

30. Financial aid to students

Rs. 14,41,545/-

31. Activities and support from the Alumni Association

32. Activities and support from the Parent-Teacher Association

33. Health services

Health centre established on Vidyanagari Campus is available for University staff

34. Performance in sports activities

Inter- collegiate Sports & Tournaments were conducted on Five Zone & One Zone basis in following disciplines:-

✓ **Five Zone Basis :-**

- 1) Kabaddi (M),
- 2) Kho-Kho (M),
- 3) Cricket (M),
- 4) Volleyball (M),
- 5) Chess.

✓ **One Zone Basis :-**

- 1) Carrom (M & W),
- 2) Basketball (M & W),
- 3) Cross Country (M & W)
- 4) Handball (M & W)
- 5) Judo (M & W)
- 6) Gymnastic (M & W),
- 7) Power Lifting (M & W),
- 8) Table Tennis (M &W),
- 9) Volleyball (M & W),
- 10) Shooting (M & W),
- 11) Ball Badminton (M & W),
- 12) Half Marathon (M & W),
- 13) Kho-Kho (W),
- 14) Karate (M & W),
- 15) Squash (M & W),
- 16) Football (M & W),
- 17) Boxing (M)
- 18) Cycling (M & W),
- 19) Hockey (M & W),
- 20) Tennis (M & W),
- 21) Malkhamb (M & W),
- 22) Weightlifting & Best Physique (M)
- 23) Aquatics (M & W), Water Polo (M)
- 24) Wrestling (M & W),

- 25) Softball (M & W),
- 26) Badminto (M & W),
- 27) Yoga (M & W),
- 28) Athletics (M & W),
- 29) Taekwondo (M & W),
- 30) Kabaddi (W)

This year following college were entrusted the entire responsibility of Conducting various sports & tournaments 2009-10. All the Inter-Collegiate Tournaments were conducted smoothly and successfully by the respective colleges.

➤ **Five Zonal basis tournaments:-**

Zone	Kabaddi	Kho-Kho	Chess	Volleyball	Cricket
ONE	D.A.V. College	Dr. Ambedkar College	Somaiya College	Chinai College	Department of Sports
TWO	Abhinav College	SDSM Palghar	Somaiya College	Chinai College	Department of Sports
THREE	YTIT Karjat	Joshi Bedekar	Karkhanis College	SS Jondhale Engg.	Department of Sports
FOUR	YTIT Karjat	MPASC Panvel	A. Pradhan Nagothane	SS Jondhale Engg.	Department of Sports
FIVE	M. Khapne Rajapur	MPASC Panvel	A. Pradhan Nagothane	Dr. Natu College	SPK Colleg Sawantwadi
INTER ZONAL	YTIT	MPASC Panvel	ICL Vashi	Chinai College	Department of Sports

➤ **One Zone basis sports & tournaments:**

- 1) Half Marathon (M & W) JSSP's Goveli
- 2) Cross Country (M & W) JSM Shivale
- 3) Ball Badminton (M & W) C.K.T. Panvel
- 4) Softball (M & W) Department of Sports

5)	Softball (M & W)	Sonubhau Baswant College, Shahapur
6)	Best Physique (M)	Sonubhau Baswant College, Shahapur
7)	Power Lifting (M & W)	Sonubhau Baswant College, Shahapur
8)	Wrestling	Dr. Ambedkar College, Mahad
9)	Aquatics (M & W)	Department of Sports
10)	Water Polo (M)	Department of Sports
11)	Handball	CKT College, Panvel
12)	Basketball (M & W)	Department of Sports
13)	Tennis (M & W)	Department of Sports
14)	Hockey (M & W)	G.N. Khalsa College
15)	Shooting (M & W)	Tolani College
16)	Taikwondo (M & W)	Kandivli Education Society A & Com College
17)	Badminton (M & W)	Kirti College
18)	Badminton (M & W)	Department of Sports
19)	Judo (M & W)	Mithibai College
20)	Yoga (M & W)	M.D.College, Parel
21)	Boxing	St. Gonsalo Garcia College, Vasai
22)	Table Tennis (M & W)	Department of Sports
23)	Athletics (M & W)	Department of Sports
24)	Squash (M & W)	H.R. College of Commerce
25)	Tug of War (M & W)	BPCA's College, of Commerce
26)	Football (M & W)	Department of Sports
27)	Archery (M & W)	K.V. Pendharkar College
28)	Fencing (M & W)	K.V. Pendharkar College

➤ **PARTICIPATION IN INTER UNIVERSITY TOURNAMENT**

- 1) Athletics (M & W)
- 2) Shooting (M & W)
- 3) Chess
- 4) Cross Country (M & W)
- 5) Gymnastic & Malkhamb (M & W)
- 6) Kho Kho (M & W)

- 7) Wt. Lifting & Best Phy. (M)
- 8) Softball (M)
- 9) Table Tennis (M)
- 10) Basketball (M & W)
- 11) Ball Badminton (M & W)
- 12) Cricket (M & W)
- 13) Football (M)
- 14) Hockey (M & W)
- 15) Kabaddi (M & W)
- 16) Power Lifting (M & W)
- 17) Aquatics (M & W)
- 18) Wrestling (M & W)
- 19) Boxing (M)
- 20) Squash (M)
- 21) Cycling (M)
- 22) Handball (M & W)
- 23) Tennis (M & W)
- 24) Baseball (M)
- 25) Tennis (M & W)
- 26) Squash (M)
- 27) Judo (M & W)

Inter –Collegiate Cricket (M) Tournament, 2009-10 played upto Semi-Final Round unavailability of Grounds. Further, tournament could not be completed during the academic year, 2009-10.

➤ **Achievement of the University of Mumbai Teams & Individual players in the Inter-University Tournament and Ashwamedh Competitions:-**

➤ **All India Inter-University Tournaments :-**

A) Team Events

- | | |
|------------------------|--|
| 1) Winner | 1) Cricket (Men) |
| | 2) Squash(Men) |
| | 3) Shooting –Peep Sight Air Pistol (W) |
| | 4) Malkhamb (Women) |
| 2) Runner-Up | 5) Cricket (Women) |
| 3) Third Place | 6) Kho Kho (Men) |
| | 7) Kho Kho (Women) |
| | 8) Badminton (Women) |
| | 9) Tennis (Woment) |
| 4) Fourth Place | 10) Table Tennis (Men) |
| | 11) Cross Country (Women) |

B) Individual Performance at Inter University

Medals

Gold - 11

Silver - 16

Bronze - 15

=====

Total - 42 Medals

- | | |
|----------------------|---------------------------|
| 1) Squash - | One Gold |
| | Laxman Joshi H.R. College |
| 2) Athletics- | Three Gold |

- 3) **Swimming - Two Gold, Five Silver, Thirteen Bronz**
 Lekha Kamath RAIT (2 G, 3 S, 3 B)
 Aditi Dumatkar RD National (2 S, 1B)
 Harshad Gaikwad Kirti (2 Bronze)
 Vishal More Rizvi (2 Bronze)
 Anukul Shenoy Ruia (3 Bronze)
 Pranoy Ahikari Ruia (2 Bronze)
- 4) **Diving - Two Gold**
 Rohan Sambrani V.J.T.I.
- 5) **Power Lifting – One Silver**
 Shruti Tate JSS Goveli
- 6) **Best Physique- One Gold**
 Ganesh Urankar Rizvi College
- 7) **Gymnastic- Team Championship (Rhythmic)**
 (Women) Pooja Surve Ruparel (1 G, 2 S)
 Akhata Shete Podar (1G)
 Asmita Rajee Ruparel (1 G, 2 S)
 Nikita Yedkikar MCC (1 G)
 Runita Moghe S.K. Somaiya (1 S, 1 B)
 (Men) Vinay Sawant Podar (1 Gold)
 Sandesh Atkari VJTI (2 S, 1 B)
- 8) **Malkhamb- Team Championship & Win Gold Medal**
 (Women) Shreyashi Manohar MCC (1 Silver)
 Neha Kushe Ruparel
 Rupali Nawale BPCA
 Nilam Rane Chinai
 (Men) Abhishek Deval Ruparel (One Gold)

9) **Boxing-** **Two Silver**
Vijayanand Pandhare Ruia College
Samrat Ingale Law College

10) **Judo -** **One Silver**
Hetal Dave H.R. College

➤ **Achievement at Zonal Level of Inter- University Tournaments, 2009-10**

1) **First Place-** 1) Handball (Women)
2) Kabaddi (Women)
3) Table Tennis (Women)
4) Table Tennis (Men)
5) Cricket (Men)

2) **Second Place-** 6) Kho-Kho (Men)
7) Kho-Kho (Women)

3) **Third Place** 8) Kabbadi (Men)
9) Footbaal (Men)
10) Tennis (Women)

4) **Forth Place** 11) Tennis(Men)
12) Hockey (Men)
13) Softball (Men)

➤ **ASHWAMEDH 2009:-**

The 11th Maharashtra State Inter- University meet “Ashwamedh 2009” was organized by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli.

From 27th November, 2009 to 1st December, 2009. The university of Mumbai participated I all games and secured following positions in respective games:-

Sr. No	Event	Men	Women
1.	Kho-Kho	Winner	Winner
2.	Kabaddi	Runner-Up	Runner-Up
3.	Athletics	Second Place	First Place

Sr. No	Event	Men	Women
4.	Basketball	Runner-Up	-----
5.	Volleyball	-----	-----
6.	Over all Championship	SECOND	

➤ **WORKSHOP**

A Workshop was conducted at university Sports Pavilion, Marine Lines on 11th July, 2009 to discuss new amendment in rules and regulations of different games & sports.

➤ **ORGANIZATION OF INTER-UNIVERSITY TOURNAMENTS:-**

Association of Indian University entrusted the responsibility of organization of All India Inter _ University Kabaddi (Women) (South West Zone), Tennis (Women) (South West Zone & inter Zonal) and Cricket (Men) Inter Zonal) Tournament, 2009-2010 to University of Mumbai. The said Competitions were organized in professional manner with Cooperation & financial support of Changu Kana Thakur College, Panvel for Kabadi (Women) in the month of December 2009, D.T.S.S. College, for Tennis (Women) and for Cricket (Men) Kandivali Education Societies Arts & Commerce College in month of February 2010 respectively.

Rizvi Education Trust for Cricket which was held in January, 09. The Cooperation and Sincere efforts and dedication of both the college students, staff & management University Sports Department could conduct both the competition smoothly.

➤ **Guru Nanak Dev General Championship 2008-2009:-**

The Guru Nanak Dev General Championship trophy donated by the local managing committee of G.N. Khalsa College, Matunga will be awarded to Ramnarain Ruia College in the function to be held soon for having scored the highest number of points at Inter-Collegiate Tournaments 2008-2009 conducted by University of Mumbai.

35. Incentives to outstanding sportpersons

36. Student achievements and awards

37. Activities of the guidance and Counseling unit

The guidance and counseling centre of Department of Applied Psychology provides guidance and counseling to the students and other individuals.

38. Placement services provided to students

39. Development programmes for Non-teaching staff

40. Good practices of the institution

41. Linkages developed with National/International, academic/research bodies

➤ **Department of Physics**

International Institutes

- Institute of Metal Physics, Ural Division, Russian Academy of Sciences, Russia
- Department of Physics, University of Trento, Italy
- Theory Group, NIKHRF, Amsterdam, Netherlands
- University of Seoul, S Korea

National Institutes/Bodies

- Inter-University Accelerator Centre (IUAC), New Delhi
- Tata Institute of Fundamental Research (TIFR), Mumbai
- Bhabha Atomic Research Centre (BARC), Mumbai
- UGC-DAE- CSR Centres
- Indian Institute of Technology, Mumbai
- Indian Institute of Mathematical Sciences (IIMS), Chennai
- University of Pune, Pune
- Distance Education Council
- UGC, MEA, ICSSR, DST

➤ **Department of Applied Psychology**

Faculty members are involved in a collaborative work with various scholars across the globe. These linkages are at the level of individual faculty members.

42. Action taken report on the AQAR of the previous year

As planned the University was able to implement almost all the activities which were planned for the year 2008-09. The activities which could not be completed fully or partly, the concerned departments and faculty were advised to complete the relevant work. The departments were asked to take necessary steps to increase national and international collaborative programmes and more research projects.

43. Any other relevant information the institution wishes to add

➤ **Department of Pali**

The department organized two Study Tours for the students to the archaeological Buddhist sites and historical sites to study art and Architecture and read Brahmi script which is in Pali.

➤ **Department of Urdu**

The department organized following visiting lectures on various topics.

1. “Ghazals of Quli Qutub Shah” by Prof. Khalid Saeed, Maulana Azad University, Hyderabad.
2. “Urdu Lisaniyat” by Prof. Naseer Ahmed Khan, Delhi.
3. “Allama Iqbal’s Life and Poetry” by Prof. Qbaid - ur- Rehman Hashmi, Delhi.
4. “Dakni Ghazal aur Quli Qutub Shah by Prof. Fatima Begum, Osmania University, Hyderabad.

5. Felicitations of Ghalib Awardees: Dr. A.M.I. Dalvi (Retired Prof.& HOD, Department of Urdu, Mumbai University) and Mrs. Hasan Kamal (Famous Journalist).
- 6 Felicitations Programme for Dr. David J. Matthews and Dr. M. K. Dalvi, SOAS, London University.

➤ **Department of Marathi:**

Organized 3 lectures by eminent visiting faculty

Section C: Outcomes achieved by the end of the year

As planned new courses like M. Tech (Food Biotechnology), M. Sc. (Bio-informatics), M. A., M. Phil, Ph. D. in Eurasian studies were started by the concerned departments. P.G. Diplomas in various applied fields were introduced by Garware Institute of Career Education and Development. Departments of Mathematics, Urdu, Gujarati introduced revised syllabi for their M. A. / M. Sc. Part I and part II courses. UDCT introduced academic reforms for their B. Chem. Engg. Course.

Garware Institute of Career Education and Development in collaboration with Industries and Institutes started new inter-disciplinary P.G. Dip. Programmes. Department of French and other departments of the University jointly organized interdisciplinary lectures for students' community.

IDOL implemented issuing of online Hall Tickets to students of B. Sc. (Nautical Technology) as planned. In an effort to improve the standard of the teaching programme, the Department of Statistics changed the pattern of question papers for M.A/M.Sc. (Stat.) examinations which improved of their teaching programmes.

Faculty of University Departments provided adequate guidance to the University students appearing for SLET/NET examinations as a result of which 82 students passed these two examinations.

Six faculty members from various departments attended refresher/orientations courses organized by Academic Staff Colleges of Mumbai and other Universities and/or attended National conferences. Three University Departments in collaboration with Academic Staff Colleges of Mumbai University, organized and conducted orientation and refresher programmes for teachers. A good number of seminars, workshops and symposia were organized by some departments as part of the academic and research activities in order to enhance and upgrade the knowledge of the teaching community in their subjects. Out of 8 ongoing research projects, three projects were completed and reports submitted to the respective funding agencies. During this year, The total no. of 399 research scholars were enrolled for M. Phil. and Ph. D. degrees. The number of students who were awarded the Ph. D./ M. Phil. degrees was 47. Five of the University Departments received research funding for UGC, DST etc. Department of Physics received significant amount of research grants under DST FIST level Ii and UGC-SAP level II programmes.

Prof. Sharad S. Sane (Department of Mathematics) who was elected as Fellow of Indian Academic Sciences and Dr. Vidya Venkateshan who was awarded ‘Chevalier dans l’Ordre des Palmes Academiques Le Chavelier des Arts et des Letters’ from the French Embassy, were the two prominent teachers amongst the other teachers who received awards/honours from various organizations.

New collaborative research programmes with other academic/research institutes and industries were started. Garware Institute of Career Education and Development generated internal resources of Rs. 1.24 Crores through their various courses. Many departments either introduced or upgraded their existing teaching aids such as LCD projectors, OHPs and internet to improve their lecture and lab programmes which benefitted the students as well as the teachers.

The university students excelled in sports and cultural activities and won many awards/prizes at various intercollegiate and interuniversity competitions.

Section D: Plans of the HEI for the next year i.e. 2010-2011

1. Some of the major activities to be carried out during the year 2010-11 will be as follows.
2. Introduction of new P.G. degree and Diploma courses by University Departments.
3. Revision of syllabi in the subjects wherever it was due.
4. Use of new technology and /or up-gradation of existing technology for class room and laboratory teaching of P.G. courses.
5. Upgradation of internet access to students and teachers.
6. Encourage departments and faculty members to submit research projects to UGC, DST, BRNS, ISRO etc for individual project grants and/or under DST-FIST, UGC-SAP programmes.
7. Encourage the faculty and departments and institutes to start collaborative academic and research programmes in order to enhance the interaction between various organizations and which will benefit the academic community.
8. Increased participation of the faculty, staff and students in sports. extracurricular activities and community services.

Signature:	Signature :
Name: Dr. R. S. Hande Director/Coordinator, IQAC	Name: Dr. Rajan Velukar Chairperson, IQAC