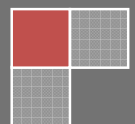# Re-Accreditation Report
2013

Submitted to National Assessment and Accreditation Council

MOHANLAL SUKHADIA UNIVERSITY
UDAIPUR, RAJASTHAN, 313039

Volume - I

MOHANLAL SUKHADIA UNIVERSITY
UDAIPUR, RAJASTHAN, 313039

Re-Accreditation Report
2013

**Submitted to National Assessment
and Accreditation Council**

Volume – I

कुलगीत

वीर भूमि के ज्ञान पीठ का सादर शत वन्दन ।
शील ज्ञान विज्ञान कर्म संगम को कोटि नमन।।

'सत्यम् शिवम सुन्दरम्' की प्रतिमा कल्याणी।
'विद्यया विन्दतेऽमृतम्' उपनिषदों की वाणी।।

यह प्रताप की कर्म भूमि के माथे का चन्दन।
मीरा का निष्काम भक्ति से है अटूट बंधन ।।

श्री एकलिंग जी श्री नाथ जी चारभुजा बेणेश्वर।
सूफी संतों की धरती ने माना एक ही ईश्वर।।

वीर भूमि के ज्ञान पीठ का सादर शत वन्दन।
शील ज्ञान विज्ञान कर्म संगम को कोटि नमन।।

यहाँ साधनारत प्रतिभायें ज्योतिर्मन्त बनें।
राष्ट्र धर्म का स्वर विजयी हो, महिमावन्त बनें।।

मुक्त गगन में आदर्शों की पुण्य ध्वजा फहरे।
जन मानस में ज्ञान ज्योति का दिव्य प्रकाश भरे।।

ज्ञानदायिनी मूर्तिमंत महिमा का अभिनन्दन ।
युवाशक्ति हो सत्यनिष्ठ संकल्पित अन्तर्मन।।

वीर भूमि के ज्ञान पीठ का सादर शत वन्दन।
शील ज्ञान विज्ञान कर्म संगम को कोटि नमन।।

CONTENTS

University at a glance

Mohanlal Sukhadia University (erstwhile Udaipur University) is a UGC recognized State University established by an Act in the year 1962 in Udaipur to cater to the needs of

higher education in the Mewar region of south Rajasthan. It is situated in the heart of Udaipur, the city of Lakes. Udaipur is located in southern Rajasthan amidst majestic Aravalli hills and is well connected by road, air and railways. Endowed with a rich cultural heritage, natural resources and beautiful landscape, the city is an international tourist destination with several lakes, palaces, forts and gardens in and around it. The city

provides all modern facilities without compromising on its culture and heritage as well as moral values. Due to this reason, it is also slowly emerging as an educational hub in south Rajasthan with five universities, several colleges and schools. Since southern Rajasthan shares its boundaries with Gujarat and Madhya Pradesh, the University caters to the requirements of not only the city and the region, but also of these states as well.

Mohanlal Sukhadia University has a unique characteristic compared to other universities, especially in Rajasthan, in that it is the single largest state university situated in a belt with a formidable 39 percent of the state's tribal population largely concentrated in the area around Udaipur, Dungarpur, Banswara as well as Sirohi and has the distinction of catering to the needs of urban and tribal population of these areas. The university has ensured overall socio-economic growth of all the sections of society by encouraging greater access and inclusive approach, making it a highly preferred institution for higher education, learning and research.

There is an added social responsibility on the University since, in addition to the quality education expected from a state level university, it also has to address problems peculiar to the area and type of people. Conscious about its social responsibilities, the university has played a significant role in the socio-economic development of backward and under-privileged people through its various extension activities. We are proud to say that the university has successfully contributed towards the awareness for reducing practices like 'moutana', 'dayan pratha' etc. through workshops/seminars. As an example of the success of this exercise, it has been reported that after the well-attended and widely publicized conference on 'Moutana' (death duty practiced among the tribals of this region) large number of tribal people are now filing FIR's instead of demanding moutana.

The university aims to achieve its goal of providing higher education and has always felt concerned about increasing access of students especially from under-privileged sections of the society to higher education. The university has established regional centres in remote, tribal areas of Banswara to provide access to students from these regions. A nodal college has been recognized in each district to render specific services to the students of the area. These services are related to course contents, examination, grievances, delivery of certificates etc. Also, by providing reservations and relaxation in qualifications for socially backward classes, the university has registered significant increase in access during last few years. Looking at the data collected for last four years it can be concluded that the number of ST candidates has been steadily increasing.

The university upholds the high moral values and cultural traditions of Mewar area as reflected in the Kulgeet or the University anthem. The university is named after the erstwhile charismatic Chief Minister of Rajasthan who ushered in an era of reforms and development, especially in the field of education in Rajasthan. The university has set certain traditions and holds a Sukhadia memorial lecture every year to commemorate his birth anniversary and to pay tribute to this great visionary. Another tradition that is strictly adhered to by the university is the annual convocation and 21st December has been fixed as the date for convocation every year. So far we have awarded all degrees upto session 2011-12. The convocation is always graced by the Governor who is also the Chancellor of the university.

With a history stretching back to five decades, the University is celebrating its Golden Jubilee and the year has been marked with a series of academic and Co-curricular activities. The university logo embodies the spirit of Golden jubilee and a Golden Jubilee commemoration volume has been published to mark this event. The high point of these celebrations included the inauguration of the Golden Jubilee Gate and the Golden Jubilee Lecture by Hon`ble President Shri Pranab Mukherjee in the capacity of erstwhile finance minister. In addition to several conferences, other events such as All India Mushaira, Ghalib Day were held to earmark the fiftieth anniversary of establishment of the university. Dignitaries like Mr. Sachin Pilot, Prof. Thorat, Chief Minister Rajasthan, ex-presidents Mrs. Pratibha Patil, Prof. APJ Abdul Kalam etc. have also visited the university and addressed the students/faculty.

The university has had the honour of having several of its alumni being bestowed with prestigious awards. Prof. G.C Mishra was honoured with the Padmashree, Dr. Gufran Beig and Prof. S.S Guraya were felicitated with the Shanti Swaroop Bhatnagar award. The university has given two leaders, Prof. C.P. Joshi and Prof. Girija Vyas who have contributed significantly both at the regional and national levels. Apart from this, Mr.

Mangilal Garasia and Mr. Mahendrajit Singh Malviya are presently holding the rank of cabinet ministers in the Government of Rajasthan. The university has the distinction of having produced distinguished alumini such as Prof. D.S. Kothari, Prof. B. C. Chhaparwal, Prof. P.C. Vyas, Prof. M.L. Kalra, Prof. B.L. Chaudhary, who have played pivotal roles in shaping the state/national educational policies. Many distinguished alumni have made the university proud by serving in various scientific institutions/corporate houses/civil services/industries/sports bodies etc.

The academic capability and potential of the university has been recognized by reputed research institutes and some of them like PRL, CIMAP, CSMRI, Management Development and Consultancy, Singapore and University of Applied Science (SUAS), Cologne, Germany have signed MOUs for collaborative research with the university. The eco-friendly campus and excellent infrastructure have prompted the IIM (Udaipur) to set up a temporary base in the MLSU campus. The university has conducted seminars/conferences/workshops in collaboration with the state and central government like International Art Workshop 2011 and First International Conference of Road Safety Vision- 2020, 2011, 19th ISCB International Conference 2013. The university has also successfully conducted several competitive exams for Government of Rajasthan for admissions and appointments.

The university has a well thought out strategy for management of its resources based on long term plans and a five year plan proposal is prepared for implementation. Proposals are prepared and submitted to various funding agencies and state government and Institutional development work is carried out as per the master five year plan proposal. For the purpose of Accreditation by NAAC, the University has developed a self study report which has given us an insight into our major strengths, weakness, opportunities and challenges which indicates that although the university started as an affiliated college of Rajasthan University, it has now made a name of its own and continues its quest for academic excellence. The University faced several academic and administrative challenges during this journey but has been able to maintain high standards of Higher Education and has a perspective plan for institutional development "Vision 2020", which is based on the vision and mission goals of the university.

The Vice Chancellor

Prof. I. V. Trivedi

Executive Summary

Mohanlal Sukhadia University is a pioneer university of South Rajasthan catering to the needs of both urban and tribal students. Noted for quality education in South Rajasthan, this centre of high academic excellence and achievement provides its students with hi-tech educational facilities while retaining traditional values. The academic year 2012-13 was the Golden Jubilee year of Mohanlal Sukhadia University and at the end of this year, introspection of the growth and development that has taken place was done and SWOC analysis of the university was prepared in the form of a Self Study Report for the purpose of Accreditation by NAAC. The SSR based on the seven criteria highlighting the key aspects under each criterion for evaluating itself in terms of sustenance, enhancement and continuous improvement in the past five years and the high points of University`s growth and development over this period can be summarized as follows:

Infra-Structure and Learning Resources

Mohanlal Sukhadia University came into existence in 1962. This UGC recognized state aided University is spread over 607 acres and divided into two campuses, which are about 4 kms away from each other. Expansion of activities in the old campus of the university since its establishment necessitated the creation of new campus which is more spacious with a potential for further expansion. The total built up area of university is 51945 sq. m. Faculties of Science and Commerce, Department of Geology, Sports board, Dean Student Welfare office, Yoga centre, playgrounds, open air auditorium, animal house etc. are located in the old campus while faculties of Social Sciences and Humanities, Law and Management Studies were shifted to the new campus. Besides, university administrative building with Vice-Chancellor's secretariat, central library, establishment and examination section, several departments of applied sciences such as Computer education, Pharmacy, Biotechnology, Environmental science, Estate office, Population research centre, Indoor badminton stadium, Gymnasium etc. are situated in the new campus. An ultra modern University Auditorium, is also situated in this campus with a sitting capacity of 1000, stage area 240 sq m., air cooling system, dolby sound system with ample parking space. As a part of master plan, the university proposes to shift more PG departments to the new campus in a phased manner.

The university can boast of having a very strong physical infra-structure in terms of its faculty buildings, sports complexes, hostels, auditoria, gymnasia, play grounds, in-door stadium and guest house. Buildings are well maintained and there has been regular addition of new buildings to cater to the ever-increasing needs of different departments and faculties in line with their academic growth. Good roads, gardens, illuminated campuses, class-rooms, laboratories and other amenities, well maintained hostel buildings, make this university a proud place for study. All buildings are spacious, independent, with large open spaces and gardens. There are separate boys and girls hostels (5 each). The university has a guest house with AC as well as non AC rooms. The University College of Science has a state of art seminar room "Swarn Jayanti Hall" with seating capacity of 100 members and facilities such as mikes on each seat, audio-visual aids, A.C. etc. as well as another "Vivekanand Hall" with audio-visual facility and seating

capacity for 150 members. University administrative office, constituent colleges and nearly all PG departments have individual seminar halls with a seating capacity of at least 100 people and are well equipped with audio-visual facilities, A.C. etc. All constituent colleges and some departments are independent units with own grounds, garden, cafeteria and ample covered as well as open parking space.

The University ensures that its faculty, especially those who do not belong to the city, are provided with adequate residential and other facilities and has three types of houses which are allotted to the faculty on seniority basis and also a separate VC bungalow. The university has an MOU with ICICI bank, and a branch as well as an ATM and a post office are situated in the main campus. The University has air-conditioned as well as non AC vehicles which are used for administrative, examination and other purposes. Ramps have been built at the entrance of all college buildings, auditorium etc. for differently abled students.

The university has one bulk supply connection of 850 kW and several 6 kW to 658 kW connections to maintain electric supply to all units, street lights etc. Apart from these, several 5 kVA and upto 80 kVA generators/ invertors have been installed in different units to provide uninterrupted electric supply. The university has 32 active bore wells and 12 PHED connections for water supply. In order to ensure safety of staff and students security guards are deployed in the entire campus especially during nights.

University libraries are enriched with a wealth of information in print and electronic format. Through a 3-tier library system: University Central Library, University College Libraries (four) and Individual departmental libraries, access to reading material has been made easy. The Central Library concentrates on research support services where as the college and departmental libraries look after the specific needs of Under-graduate and Post-Graduate teaching courses and research of the respective College/Department. Working hours of the Central library are 10.30 a.m. to 5.00 p.m., 10.30 a.m. to 8.00 p.m.(e-library). Creation of e-libraries and digitalization of printed resources have further strengthened our learning capabilities. Library facilities and internet access have been extended up to hostels. "Must Read Books" section created in the library has generated much interest equally in students and faculty members. Each teacher has access to internet and the university also participates in the INFLIBNET (e-consortium Phase II), Sci-finder, Dissertation International Abstract, OPAC program so that teachers have access to a vast pool of e-learning content. Most departments also have LCD projectors/smart boards which are routinely made use of by teachers. University central library has acquired Braille facilities for blind students. In addition to existing resources, the library has added books and journals worth Rs.1.0 crore in last 5 years.

The university has a full-fledged internet centre which implements, maintains and upgrades/repairs internet services (both inter and intra net), WiFi, LAN, Broad band etc. The University Computer Centre is the backbone for ICT infra-structure and has provided internet access to almost all units of the university including hostels as well as helped in training employees, teachers and students in computer application. The contribution of Computer Centre in ICT revolution in the university was applauded by the accreditation committee in its visit in the year 2002. Desktop computers are installed in the rooms of all the faculty members and research laboratories. UG and PG students have access to the computers from the e-libraries and departmental libraries. Dedicated computing facilities are available at departmental level, University college libraries,

central library and the computer centre. Normal working hours of the university computer centre is 9AM to 6PM. At present, computing facilities are provided free of cost to faculty members and research students. Access to computing facilities are also provided free of cost to all the students and faculty members through campus network. The University computer centre develops software packages for general administrative purpose in consultation with the departments and units. University has intranet web publishing and content creation facilities.

The university maintains a comprehensive website with all pertinent details displayed on it. This includes courses, fee structure, hostel and other facilities, teaching plan/tutorials/some presentations/notes/question papers. Examination timetables/results/various application forms etc. are available online. The university also has a dedicated website for Research with important announcements like dates/schedules of examinations, new projects, dates of PGRB, selection list etc. The university has established some regional centres in remote, tribal areas to provide access to students from these regions. Library resources like e-journals, e-books etc. are available through the university website. Research students have access to powerful remote computing facilities in institutions like IUAC, IISC, PRL etc. through the university. Almost all PG departments are equipped with smart boards/LCD projectors. The faculty can make use of skilled programmers, computer operators etc. in the university to assist them with teaching-learning materials and to develop special soft-ware/programs that may be required by them. The institution is an active member of INFLIBNET and DELNET and has access to about 5000 electronic journals, Union Catalog, Inter library loan Service, full text article facilities on request and SOUL Training programme

The university has an Estate office at the old campus in addition to main office with an engineer in charge with a junior draughtsman & other supporting staff. The estate office looks after and routinely maintains lights, fans, furniture, black boards, electrical connections, laboratory safety and special requirements like tiling of work spaces, exhaust fans etc. The estate office also has given adequate support and help in landscaping/gardening like in the old and new campuses. Repair and maintenance of equipment used in student/research laboratories is largely done by the in-house workshop. Routine maintenance and repair of sophisticated instruments used for research is done by calling company engineers.

Curricular Aspects

The university is an 'equal opportunity' institution established to provide knowledge and quality education to all sections of society. It aims to maintain modern outlook with contemporary developments without compromising moral values. The major strength of this university is its ability to ensure holistic development of students to make them enlightened citizens. This aim is reflected in the vision of University which is "To provide knowledge and quality based education to the students by inculcating moral values, scientific temper and employing state of the art technologies. It aims to pursue excellence towards creating manpower with high degree of intellectual, professional and cultural development to meet the national and global challenges."

University academic bodies through comprehensive evaluation of courses have ensured development of curriculum which is highly competitive and up-to-date, relevant and need based. All courses incorporate ICT tools to make them globally competitive. Curricula

development by Committee of Courses, based on the UGC model includes inputs of external experts from academic institutions and industry. The University has an in-built mechanism to regularly revise courses based on students' feedback, current needs and advances made in different subject areas. It provides a flexible system enabling students for their vertical progression. The university is currently offering a mixture of annual (UG Level) and semester (PG Level), According to the IQAC suggestions, the university is in the process of introducing Choice Based Credit System in a phased manner and has introduced this in BCA, MCA and M.Sc(IT). The semester scheme has been introduced at the PG level and will be introduced at the UG level by 2014. Thus the university will soon have academic flexibility in the form of integrated and interdisciplinary courses. For instance, M.Sc Biotechnology and Microbiology, LLB-MBA are being run as an integrated courses. Departments of Economics, Sociology, Public Administration, Law and Philosophy are running Interdisciplinary programmes such as P.G. Diplomas in Good Governance and Democratic Decentralization, Human Rights and Duties, Diploma in Nehru Studies and Certificate Course on Political thought of Jawahar Lal Nehru.

The university boasts of Soft skill development centre, Entrepreneurship development cell, Equal opportunities cell which aims at achieving not only professional/academic development of the students but also their overall personality. Guest lectures by eminent personalities in emergent areas, workshop, short term projects and industrial visits are also modes of imparting quality education. The university is also running several Self financed programmes in subjects like Biotechnology, BCA, M.Sc (IT) etc. Few seats in certain self-financed programs have the normal fee structure which ensures that meritorious students from economically backward class also get a chance to take admission in those courses where due to the demands of subject course fee is comparatively higher. Looking at the high demand ratio, a few seats, generally about 10-15, are made available on payment basis for all regular UG and PG courses.

The university provides a broad spectrum of courses ranging from basic, applied, interdisciplinary, job oriented and integrated courses to add-on-courses and efforts are taken to ensure that suitable modifications in the syllabi are made as and when required so as to keep abreast with the continuously changing needs of the society as well as the industry. UG, PG, Ph.D programmes and Diploma as well as certificate courses in emerging subjects such as nanotechnology, bioinformatics, computer applications, mass communication, tourism and hotel management, banking, Industrial Chemistry, Polymer Science, Taxation, International Business, Entrepreneurship Development, E-Banking, Environmental Science, Environmental Management in Mining and Industries, Disaster Management, Fashion Merchandising & Readymade Garments, Textile Designing, Community Health Economics, Environmental Economics, Web Journalism etc. are being conducted. Apart from this, courses such as Pali, Buddhism & Non-violence, Visual Arts Yog Education, Thought & Contribution of Jawaharlal Nehru, Counselling & Psychotheraphy, Psychological Testing, Human Rights & Duties, Population & Family Welfare Studies, Shramana Tradition & Contemporary Values, Yog Training, etc. indicate that the University also strives to instill moral values in youth. The university has a very strong Faculty of law, where along with the usual degrees, Diploma courses in Labour Law, Labour Welfare and Personnel Management, Company Law & Secretarial Practice, Criminology and Socio-economic Crimes, Banking Law, Intellectual Property Law are also being conducted.

The participation of the faculty in national and international conferences, conclaves etc., feedback from students, alumnae and academic and industrial experts, as well

representation of stake holders in committee of courses, academic council etc. provide us with the advice and guidance necessary for making the curriculum at par with the regional, national and global needs and to design novel programmes and collaborative projects. This has led to an increase in number of students from 57937 in year 2008-09 to 142789 in the year 2011-12 showing a 2.5 fold increase in admissions. Project work/industrial or research training in the final year of PG, exposes the students to corporate culture or research environment and enhances their employability.

Teaching-Learning and Evaluation

The university has 33 departments and offers wide variety of UG, PG, Diploma and Certificate courses in the faculty of Science, Commerce, Law, Social Sciences and Humanities. The university attracts students from all parts of the state and the country through wide publicity in news papers and university website and through school-out-reach programmes conducted by it from time to time. Admissions to various courses in the university are merit based and made through a transparent system of personal counseling. Admissions to Post-Graduate courses and some of the Under-Graduate courses in Science and others such as MIB, MHRM are made through Entrance Tests. In addition, admissions to courses like MBA and MCA are made through Centralized Admission Test conducted in the State. The university has recently introduced Research Methodology course for it's Ph.D programme.

The admission process has been made easy by the adoption of on-line filling of forms and self-attestation of documents. The total student strength of the university is one lakh thirty five thousand which includes collegiate, non collegiate as well as students of 207 private and government affiliated college. Similarily, 8700 students are registered in 76 B.Ed colleges affiliated to the University. The University has a provision of increasing the number of seats with an upper limit of 10% of the existing strength based on the demand ratio. In view of increasing access, and to provide equal opportunities to all sections of society, the university provides reservations and relaxation in qualifications for SC/ST/OBC/women and differently abled students as per the policy of the Government of Rajasthan. In order to encourage education to the girl child, tuition fee is waived for female students. It is a matter of great pride for us that every year the number of students from traditionally underprivileged classes and female students of each category is on the rise as is evident from the following graph.
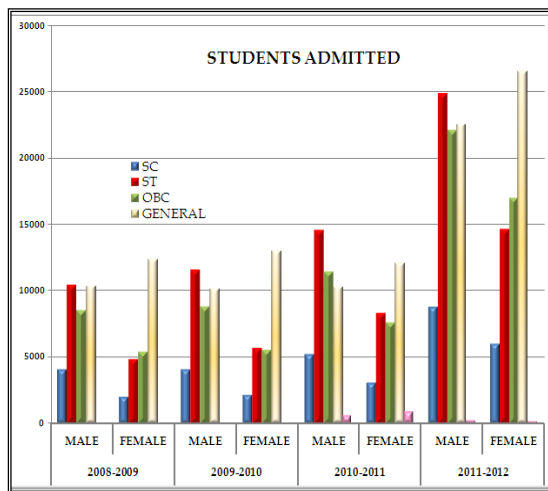
The displayed graph shows that the overall number of students of all categories has been steadily increasing. Two noteworthy features are:
- Students from the ST category are the greatest in number
- No. of female candidates who have taken admission are also nearly on par with the males across all categories for all the 4 years

The university has thus been successful in fulfilling its mandate and commitment to

students from tribal and weaker backgrounds.

The academic time table of the university is planned in advance and printed in the information bulletin. The syllabus for each paper is available both on the university web site and as printed booklets. Faculty-student interaction is a key feature for making learning student-centric. The university is endowed with highly qualified teaching faculty. More than 91% of the faculty (2.4.2) are Ph.D degree holders and are actively engaged in high quality research (table at 3.4.2) and are able to keep up with the current needs of the changing curriculum. A 5 day rigorous training/orientation workshop was conducted for the newly recruited faculty in April, 2012 which was attended by 80 new faculty recruited in 2012. Although the university has well qualified staff but wherever necessary course requirements are met by deputing research scholars/RA, guest faculty/extension lectures.

University encourages interactive teaching methodology utilizing latest state-of-the-art technologies. Use of audio-visual facilities has been integrated with the conventional black-board teaching. Students are encouraged to give seminars, presentations and submit projects related to the topics present within as well outside the syllabi but related/relevant to the subject. More emphasis is laid on learning through practice especially in science subjects. Field visits, case studies, excursions and role play exercises have been made compulsory in subjects like physics, botany, biotechnology, management, law, psychology etc. to make teaching and learning more effective. Wi-Fi connectivity, well-equipped and spacious laboratories, interactive boards, and audio-visual equipment are provided to facilitate teaching/learning through ICT.

The university maintains a high level of transparency and also fairness in the examination practices. The vice-chancellor selects examiners from a panel of examiners (atleast 6 per paper) submitted by the committee of courses. It is ensured that atleast 50% of the examiners are from outside MLSU. Introduction of examination reforms where 50% of the question paper is in the form of MCQs and the rest is descriptive. These reforms have ensured that the student is examined for the in depth knowledge of the subject and the evaluation process is fair. Introduction of barcodes, active system of redressal of student grievances, wide-spread computerization of the examination system has ensured that not only are the examinations held in time but also that the results are published in time too with minimal errors.

The performance of the students in competitive exams like NET, SLET, GATE, etc., and the fact that they find placement in schools, colleges, banks, industries, NGOs, corporate houses, R&D units is a reflection on the effectiveness of teaching-learning process.

Research, Consultancy, Extension

Teaching, research and extension are the three major pillars on which the repute and excellence of an institution rests. The university is dedicated to promoting research and encourages the faculty and students to pursue research within and outside the university through consultancy as well as collaboration. Linking of promotions at various stages with an insistence on quality publications in peer reviewed journals is an indication of the strict implementation of this principle. The University has developed a very strong infrastructure for carrying out research in different areas of specialization. It provides an effective interface to Post-Graduate students. Most of the researches are financially supported by state and central agencies in the form of research projects, Departmental Research Support by UGC, ASSIST Programmes and DST-FIST programmes. In the last

four years, the university has received a financial support of Rs. 152,405,065 by various funding agencies in form of 72 major/minor projects/departmental support.

In order to build a pool of highly efficient, informed researchers, the university has adopted the UGC 2009 regulations for admission to Ph.D programmes, wherein the students are admitted to the course on the basis of cumulative merit of academic record as well as marks obtained in the written test and interview. The registered students have to undergo one year's course work and qualify in the subsequent examination with a minimum of 50% pass marks. The synopsis has to be approved by a PG research board and it is mandatory for the student to publish at least one paper in a peer reviewed journal before submission. About 550 students have cleared national level exams like NET, GATE, etc.

The faculty is encouraged in form of administrative and financial support for formulation of research proposals, cost of publication, organizing seminars/ workshops, granting leave etc. Research in affiliated colleges is encouraged by providing guidance in the form of workshops, common PGRBs. Many faculty members of the Departments of Botany, Zoology, Physics, Chemistry, Geology, Biotechnology etc. have collaborative research programmes with other International/National institutions/ Industries/Scientists. Professors of eminence are regularly invited to give lectures/talks and to interact with research scholars, faculty and PG students. 78 National and International seminars/workshops/ conferences have been organized by various departments and faculty has attended 237 seminars/workshops/conferences at national and international level.

The faculty is encouraged to undertake applied research and file for patents with the help of funding agencies. Nearly all science departments and departments in several other faculties are supported under UGC-SAP/DST-FIST/DRS/DSA/ICSSR programs. Almost all departments have well equipped laboratories for carrying out quality research work with sophisticated instruments like electron microscope, XRD, Mössbauer, VSM, HPLC, PCR, Bioreactors, Confocal microscope, etc. which are often used by other groups from all over the country paving the way for high profile collaborations. Being an active member of INFLIBNET and DELNET, the information resources of INFLIBNET are available to cater to the need of researchers. The university has a cell for research and development and specialized research centers such as Inter University Resource Centre for Astronomy and Astrophysics, IUCAA data centre with high computing capabilities, AAQMS Centre for automatic weather monitoring station on-campus., Radio Astronomy centre with two element Radio interferometer on-campus to enhance the facilities, Population Research Centre, UGC centre for Women's studies, Centre for human rights studies, Centre for Buddhist studies and non-violence, Centre for Nehru studies etc. for advance frontier research in thrust areas.

The contribution made by faculty of this university for research has been recognized at national and international levels. The quality of research in the university is reflected in the publications in the journals of high impact factors. The faculty has published more than 1500 research papers in peer reviewed journals in last four years, edited 121 books, written about 125 books. 42 persons from the faculty are serving on the editorial boards of national and international journals, acting as reviewers in reputed, high impact national/international journals and have received awards and accolades at various conferences. The highest impact factor is 6.06 and the highest h-index is 11. The

university has awarded 540 Ph. D degrees in last four years. 46 members of the faculty have received recognition at state/national level in form of awards. Consultancies are sought from various departments like Commerce, Economics, Environmental Science, Botany, Biotechnology, Polymer Science, Chemistry, Management etc. The University has entered into MOU's with national/international institutes like PRL, CIMAP, Central Salt and Marine Research Institute, Management Development & Consultancy, Singapore, Faculty of Economic and Business Administration, University of Applied Science (SUAS), Cologne, Germany for collaborative programs/research.

In its role as a institution of higher education, the university takes upon itself to share its resources with other regional/state/national institutions. Students from various parts of the country make use of the sophisticated research facilities to do their project/summer training and also for research. Students from University of Rajasthan, National University, Jaipur, Satyabhama University, Chennai, Apex institute of technology, Jaipur, Gyan Vihar School of P.G. Studies, Jaipur: Seedling Academy of Design Technology and Management Jaipur, Modi institute of management and technology, Kota university, Amity University, Noida, Jaipur National University, Jaipur have done projects/training in Dept. of Botany. The department of physics has conducted student outreach programs both by delivering lectures in schools/colleges within Udaipur city and organizing student visits to the department. A five day digital media training workshop in may 2011 was held for students and faculty of Udaipur and adjoining districts like Banswara, Dungarpur etc. The Workshop was a joint venture between Mohan Lal Sukhadia University under the auspices of Golden Jubilee Celebration, NCSTC, DST Government of India, M.K.B school Jaipur and Vaigyanic Drishtikon Society, Jaipur. A science fair was organized from 13-15 Sept. 2011 at the University College of Science in which a mobile planetarium was established and an exhibition on Nobel laureates was held. This programme was held in collaboration with National Council for Science and technology Council for school /college students and public to promote science. Every day 9 shows were organized and approximately 1300 students benefitted from it. The IUCAA centre of the university has organized several conferences, workshops, seminars under outreach programs and has arranged invited talks of eminent scientists who are involved in Astronomical and Meteorological research/popularization activities in India. The IUCAA telescope is available to the general public for viewing celestial phenomena like the recent transit of venus.

On the occasion of Golden Jubilee Celebrations the Placement Cell of UCOS, announced the tie-up up MLS University with Aspiring Minds Assessment Pvt. Ltd., to address the issues of employability and limited access to opportunities for its students and affiliated colleges. Through the MLSU – AMPEAR (Aspiring Minds Program for Employability Assessment & Recruitment) Program, the university aims to provide better employment opportunities to its students and increase the Employability of the students passing out from its various colleges every year. More than 2000 students from Science College, Arts College, Commerce College, FMS, Law College, Advent College, Aishwarya College, Govt. Meera Girls College, Gurunanak Girls College, etc., participated in the first round of assessments in September 2011. Since then this exercise is held every year and more than 100 students have found placement in companies like HCL, Genpact, Galaxy Weblink, Planet of web, Axis bank, Vedanta etc. A central placement portal (www.myamcat.com/mlsu) is set up for the students in Udaipur, Sirohi, Rajasmand, Pratapgarh, Dungarpur, Chittorgarh and Banswara on which regular updates on the placement program are announced.

The academic strength and research contributions of the university have been extended for community service to fulfill its obligations towards society. University has joined hands with NGOs and charitable organizations for addressing environment related issues. Faculty members from Social Sciences are involved in research and extension programmes which address various problems related to social justice and empowerment of under-privileged sections from the region. The population research centre of the university has conducted studies on socially relevant issues, especially in tribal regions, like Reproductive Health Status of Tribal Women in Rajasthan, Knowledge and Satisfaction of Patients about NRHM Interventions at Dungarpur District Hospital, Impact Assessment of Institutional Delivery Care Services in Tribal Areas of Rajasthan, Improve the HMIS data quality of Rajasthan 2009-10, 2010-11, Validation of Pregnant Women and Child tracking in Rajasthan, Level of reporting of Maternal and Child Health Services mainly Institutional Delivery and Immunization in the HMIS in Public and Private Institutions etc.

The faculty of department of political science is involved in projects relevant to social/political issues like: Informal Local Governance Institutions in Rural South Asia, A Study of Political Opinions, Attitudes and Voting Behavior in the XV Lok Sabha Elections in the State of Rajasthan, Gender Responsive Governance, Mahatma Gandhi National Rural Employment Guarantee Scheme: An Impact Assessment Study qand Educational Status of Scheduled Castes: Attainments and Challenges. The department has also organized seminars and conferences on subjects like: Gandhi and Munna Bhai Never Met, Democracy at Grassroots: Fifty years of Panchayati Raj in India', Week long workshop on Human Rights and Development Issues in the TSP region of South Rajasthan, A national Seminar on Discourse of Emancipation Revisiting Ambedkar Gandhi and Marx under ICPR sponsorship was held in November 2012.

Department of history has organized seminars on National Seminar in February, 2010, on "Rural Tourism in India", Dec. 2011, on 'Cultural Heritage in India with special reference to Rajasthan and its neighboring' and a Workshop on Cultural Heritage in April, 2012. Department of Jainology conducted seminar in July 2012 in collaboration with Agam Sansthan on Promoting Prakrit language & Literature by Shwetamber Sadhumargi Jain Sangh and an Extension Lecture in October, 2012 on Jainism in Karnataka. Several locally relevant social issues such as "Moutana", "Dayan Pratha" have been addressed through workshops and seminars. The university also encourages a sense of social responsibility in students through its NSS and NCC programmes. The volunteers are involved in Environmental awareness, health management and community development programmes.

The university has several Centres of national recognition: Centre for Buddhist Study & Non-violence, Centre for Muni Punya Vijay Manuscriptology, Centre for Dr Hira Lal Jain Apbhransh Studies, IDEA Centre. We also have a state sponsored Mohan Lal Sukhadia Chair for Good Governance for promoting social and civic values.

Student Mentoring and Support

The university leadership strongly believes that student support services in varied forms are necessary to facilitate the progression of a young learner into an advanced achiever. An administrative body comprised of a Dean Student Welfare and assistant DSWs (one per college) is constituted to take care of student problems, provide guidance and counseling, manage cultural and sports activities and to look into matters of harassment of

women, prevent ragging, as well as to ensure smooth and fair conduction of student elections. The SC-ST cell looks after the rights of students from this category. Skill development centre takes care of the communication skills of the students, where as remedial classes, coaching classes, extra classes are held regularly to help under achievers and provide guidance for appearing in competitive exams like civil services, PSC, PMT, PET etc.

Location of the university in socio-economically backward area dominated by tribal population makes it more accountable to students' support and progression. Right from the beginning, the students are guided through a reader-friendly Information Bulletin containing detailed information about general and academic administration, available courses, eligibility criteria, prescribed fees, hostel facilities (5 each for men and women), scholarships and free ships, sports facilities, co-curricular infra-structure and an academic calendar. Liberal financial support through social welfare schemes of state and central agencies, merit scholarships, adequate hostel accommodation and academic environment conducive to learning has helped in increasing number of students joining university and maintaining the drop-out rate significantly low. Employment cum Advisory Bureau publishes a monthly Bulletin "Vyavsayik Marg Darshan Nirdeshika" and offers counseling service for students and problems related to them, Psychological tests like Intelligence, Personality, habits, etc.

Student projects and seminars are insisted upon which not only enriches their subject knowledge, but also imparts comprehension and good writing and communication skills. Students are encouraged to interact with research laboratories to encourage them to opt for a research oriented career in their chosen subject. Social workers, industrialists, administrative officers and soft skill developers are regularly invited to address and interact with the students. SC/ST and economically weaker section students get Scholarships, Exemption from tuition fee, Hostel accommodation on priority, Remedial coaching etc. The DSW/Dean publishes student magazines with students and faculty as the editorial board at the university/college level. The university has a student placement cell and companies conduct campus interviews from time to time. The university Alumni association mainly concentrates on developing liaison with alumni, placement and arranging assistance for research activities. A Grievance Committee has been constituted to look into various student problems. The university as well as individual constituent colleges have a student's union which also looks after the student problems and acts as a liaison between the students and the university leadership.

Holistic development of students is ensured through making available ample opportunities for showing their creative side as well providing them facilities for improving their physical capabilities. The Dean student Welfare office organizes annual competitions such as essay writing, debates, poster making, on the spot painting, rangoli, mehendi, group/solo dance and song, one act play, mimicry etc. in all constituent colleges as well as at the university level. The sports board is involved in maintaining the basket ball ground, volleyball ground, cricket grounds, running track and athletics grounds, indoor stadium with badminton court, gymnasium, Yoga centre etc. Recently another dimension to the sports activity has been added by including adventure sports. A training wall for rock climbing has been erected in the grounds and nature treks, boating etc. are organized for students. The university has hosted national level sports events such as the All India Inter-University Archery (M/W) Tournament 2009-2010, All India Inter-University Boxing (M/W) Tournament 2010-2011, All India Inter Zonal & West zone

University Badminton M/W Tournament 2011-12, All India Inter University Weight Lifting, Power Lifting (M/W) & Best Physique (M) Tournament 2012-2013 where students won Gold, silver and Bronze Medals in archery, weight lifting, power lifting and boxing. The MLSU team won the Team championship of West zone Inter University Badminton (Men) consistently for the session 2010-11 & 2011-12. MLSU also hosted one week long 27th West Zone Inter University Youth Festival beginning from 5th December, 2011.

Establishment of Remedial Coaching Centre by UGC has augmented our efforts in retaining students from underprivileged society for their upward progression. University has created very strong units of NCC in Army, Naval and Air Wings which are not only involved in social services but are also helping in national integration. Nine units of NSS in different faculties are playing meaningful role in social development, community service and health awareness programmes. "SAMVET", an annual inter-college cultural event of the university provides a platform for showcasing the creativity and talent among the students. University publishes "SIKHAR' and 'UNMESH' to highlight students' achievements and literacy prowess.

Governance, Leadership and Management

The mission of the university is to impart value based education leading to holistic development and preparing enlightened citizens. The university leadership in strict cognizance of this has been continuously striving to translate into actions the mission statement of the university for the sole purpose of realizing its vision within the scheduled time frame. The functioning and governance of the university is participative and democratic. While university maintains its autonomy in academic matters, the financial control is regulated by the State Government. In the capacity of the Chancellor, H.E, the Governor of Rajasthan co-ordinates the actions and activities of the university. The Registrar is an executive officer of the university while the Comptroller is responsible for financial planning, management and control in the university. The apex executive body of the university, the Board of Management is represented by nominated university Professors, Deans, Government and Governor's nominees and elected teacher's representatives under the Chairmanship of Vice-Chancellor. Other statutory bodies like Academic Council, Council of Deans, Staff Council and Departmental Committees are channels for various academic and administrative governance.

The leadership of the university, starting with the Vice-chancellor and the Board of management, at the highest level gives leadership to the deans, directors and the academic council and supports the active participation of the staff in the process of decision-making. Various committees of teaching and non-teaching staff are engaged in planning and implementation of curricular, co-curricular and extension activities in different spheres of institutional day to day functioning. The university ensures that a healthy relationship exists with its stakeholders. The leadership is accessible to all its stakeholders through a definite hierarchical structure. Representation of teaching/nonteaching/teachers from affiliated colleges/government nominees/eminent educationalists/college principals and MLA's ensure a culture of participative management. The university has a perspective plan for institutional development and has prepared a long term plan, Vision 2020, which is based on the vision and mission goals of the university. Based on such long term plans, a five year plan proposal is prepared for implementation. Proposals are prepared and submitted to various funding agencies and state government as per the

master five year plan proposal and institutional development work is carried out as per this plan.

A systematic process of recruitment in strict accordance with reservation policies of the Government of Rajasthan is followed for managing the human resource required for meeting the changing needs of the curriculum. It is a great achievement for the university that promotions through career advancement scheme and 82 new appointments by direct recruitment for the post of Assistant/Associate/Professor were made in the session 2011-12 and 52 posts have been advertised (in February 2013). During recruitment the university tries to ensure inductance of those people with ample experience in both research and teaching. At present, because of this policy, more than 91% of the faculty are Ph.D degree holders who are actively engaged in high quality research and so are able to identify and keep up with the current needs of the changing curriculum. As and when new courses are added, permission is sought from the government to create required number of new posts and recruitment is made in due course. Besides this, faculty are encouraged to attend specialized training/workshops etc. to update their knowledge in order to meet the changing requirements of the curriculum. As a part of orientation, a seven day workshop was conducted for the newly inducted faculty. In order to ensure the appointment of the best possible faculty, and for transparency in the recruitment process, the university holds a written examination for short listing applicants to the post of assistant professor as well for non-teaching personnel. The University has introduced biometric attendance for all its employees. It is planned to introduce this system in a phased manner for students as well and in the first phase it has been implemented for BCA. The university has implemented the Annual Self –Assessment for the Performance Based Appraisal System (PBAS) by teachers as per the UGC regulation 2010 using the proforma provided by UGC under which every teacher in the university submits the same before first July of every year.

All financial activities are now computerized and other administrative functioning is being turned to computerization for quick reference and transparency. Financial Management of the University is efficient and strong. It has three-tier system for scrutiny and audit which includes internal audit, audit by chartered accountants and Auditor General of Rajasthan. The University has a rigorous mechanism for internal audit of all its units and there is a statutory provision for audit approved by C.A. for auditing all financial matters annually before making the annual balance sheet. Further, Accountant General Audit of University accounts is also conducted regularly. The mechanism available and monitoring for effective and efficient use of financial measure is based on a structured hierarchy of the finance office consisting of the Comptroller (CFO) deputed by the Government and his staff of Deputy Comptroller, Senior accounts officers, section officers and dealing assistants. Further, the finance committee and board of management frame policies regarding financial resources and take the necessary decisions.

The University is funded by the State Government/University Grants Commission and other State/Central Agencies. The University generates additional revenue from self-financed courses that were started in Commerce and Management, Computer Applications, Biotechnology, Industrial Chemistry, Microbiology etc. and paid seats in the regular courses at both, the UG and PG level that were introduced. Apart from this the university rents out the auditorium to schools/colleges/institutes/NGOs etc. The university has also been appointed by the state government to act as a nodal agency for Medical courses and Teachers Training courses. University has generated about 2 crore rupees during the last four years through PCPMT, BSTC admission Tests and recruitment for a

Government Department. The University has an Employee Welfare Scheme and a vice-chancellor's discretionary fund in place.

The Internal Quality Assurance Cell of the University acts as an academic and administrative audit committee. It ensures that standards for providing educational services and other aspects such as Admission, Recruitment, Administration, Examinations, Library, Physical Education, Placement, Co-curricular and extracurricular activities are maintained. We are proud to say that based on the recommendations of IQAC, MLSU is the first university in the state of Rajasthan and one of the few institutions in the country to adopt all the academic reforms suggested by the University Grants Commission, such as UGC regulation 2010 (introduction of PBAS, SWOT analysis) thus strengthening its standing as an institution providing quality education.

Few important recommendations of IQAC that have been implemented in the working of the university are as follows:

- Establishment of a Research Cell for promotion of research, extension and outreach.
- Promotions under CAS and recruitments.
- Wide spread use of ICT for administrative and academic purposes.
- Soft Skill training.
- Service Centre in affiliated colleges in remote areas for on-line access.
- To establish Research Cell for promotion of research, extension and outreach
- Establishment of alumni association of the university
- Construction of additional UG/PG hostel facilities for girls and boys, health centre, cafeteria, class rooms, extensions of old buildings, new guest house etc.
- Installation of life size statute of Late Shri Mohanlal Sukhadia.
- Incorporating necessary changes in the Act and Statute to facilitate selection and promotion of teachers as per new regulations received from the UGC.
- Creation of a College Development Council.
- Re-vamping of university web-site.
- Introduction of self-attestation of documents by the students.
- Guidelines for smooth conduct of self-finance courses and to provide more freedom to the course directors to increase quality of training were framed.
- Implementation of Student Feedback system in M.Sc. B.Sc, BCA & MCA courses and a web based Student Feedback System.
- On-line Grievance System.
- Organized students outreach programme in Science departments.
- Establishment of a Media Cell in the University
- Initiating implementation of   Choice Based Credit System in MCA and Credit System in MBA, and working out action plan for implementation of Academic Reforms in phased manner in the University

Innovations and Best Practices

This university has always remained in forefront in maintaining high standards in providing quality education, academic leadership and community service through its various innovative practices. Internal Quality Assurance Cell created by the university serves as a watch-dog to monitor various activities of the university so that the academic growth of the university is not only maintained but enhanced through innovative ways.

Feedback from students, employees and society is the main strength, which helps university in drawing its future strategies. University through its website has made deeper penetration among a wide section of society and suggestions received are incorporated in future planning.

The University has facilitated socially deprived sections of the society to have easy access to higher education. Students have been sensitized towards opportunities in higher education through school-out-reach programmes. While gender balance is improving in favour of females in various sections of University family, a women cell is actively working to take care of related matter. SC/ST Cell created in the University, provides counseling to students coming from tribal and other backward areas. Prospective employers, parents, social groups are given opportunities for interaction with university in order to take their suggestions as stakeholders. University is providing free legal aid through its Legal Aid Clinic to the needy people. Students are encouraged to participate in activities for social and community service. University is making efforts, through its alumni association, to invite greater participation of its alumni in overall development and growth of the university.

The University has taken following innovative steps for the overall development and quality improvement in each and every sphere of the University:

- Establishment of Internal Quality Assurance Cell,
- Development of University Alumni Association,
- Organizing Student's Out-reach Programmes,
- Introduction of various integrated and inter-disciplinary courses, CBCS and Semester system.
- Introduction of barcoding, OMR sheets, holocraft stickers for confidentiality and transparency in the evaluation process.
- Extensive linking of campuses/departments/smart class-rooms etc. through WiFi.
- Easy access to e-library and e-books/journals etc.
- The new pattern of examination, where both objective and descriptive questions have equal weightage.
- The University observes every second saturday of the month as pollution free day and no motorized vehicles are allowed in university campus.
- Water harvesting in the newly constructed buildings.
- Development of lawns and tree plantation/landscaping.
- Green belt around new/upcoming buildings.
- March towards paper less university by extensive use ICT for administrative/financial/educational purpose

Conclusion

The Mohanlal Sukhadia University, Udaipur, has completed 50 years of its establishment. It is matter of great satisfaction that the university has been able fulfill its obligations during these years in terms of its purpose. The university has made steady but impressive growth during last five years which is reflected in its physical infra-structure, academic contributions, modernization of laboratories and ICT enabled learning, administration and governance. It has made its evaluation system transparent and more credible and has made dedicated efforts to impart quality education and generate new knowledge through research and development activities. It has contributed significantly in transforming socio-economic conditions of the people of this region. The University through the

orchestrated efforts of teachers, supporting non-teaching staff and administrative officers has been generating highly skilled employable and socially responsible manpower and has committed itself to maintenance of high standards so that it can remain in the fore-front in the national mainstream. Some of the innovative practices described above are unique initiatives because no other University in the state of Rajasthan has introduced them; therefore MLS University has the credit of being the first university in Rajasthan to implement these best practices.

Although this institution came into existence 50 years back, the University realized its full potential only after it was separated from the Agricultural University and granted an independent status as MLSU in 1987 making our achievements even more remarkable and worthwhile.

We are eagerly looking forward to welcoming the Peer Team and hope that they will applaud us for our efforts.

Steering Committee,
Self Study Report
Mohanlal Sukhadia University, Udaipur

C. Profile of the University

1. *Name and Address of the University*

Name	Mohanlal Sukhadia University	
City: Udaipur	Pin: 313039	State: Rajasthan
Website	mlsu.ac.in	

2. *For communication*

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Vice Chancellor	Prof. I.V. Trivedi	O: 02942470597 R:02942471844 02946454627	9001997557	02942471844	vcmlsu@mlsu.ac.in vcmlsu@gmail.com
Registrar	Dr. R. P Sharma	O: 02942470166	9414304593	02942471150	registrar@mlsu.ac.in dr.sharma.rp@gmail.com
Steering Committee / IQAC Coordinator	Prof. K. Venugopalan	O: 02942423639 R: 02942451308	9414161308	02942471844	venumlsu@gmail.com iqac@mlsu.ac.in

3. *Status of the University:*

State University	Yes
State Private University	NA
Central University	NA
University under Section 3 of UGC (Deemed University)	NA
Institution of National Importance	NA

4. *Type of University:*

NA
Yes

5. *Source of funding:*

Central Government	X
State Government	Yes
Self-financing	Yes

6. *a. Date of establishment of the university:* | 1962 |

   b. Prior to the establishment of the university, was it a/an

PG Centre	No
Affiliated College	Yes
Constituent College	No
Autonomous College	No

7. *Date of recognition as a university by UGC or any other national agency:*

Under Section	dd	mm	Yyyy
2f of UGC*			1963
12B of UGC *			1962
3 of UGC #	--	--	--
Any other ^ (specify)	--	--	--

   Notification of UGC enclosed as Enclosure I

8. *Has the university been recognized*

By UGC as a University with Potential for Excellence? | No |

9. *Does the university have off-campus centres?* | No |

10. *Does the university have off-shore campuses?* | No |

11. *Location of the campus and area*

	Location	Campus area in acres	Built up area in sq. metres.
Main campus area	Urban	608 (spread over two campuses)	51945
Other campuses in the country	NIL	NIL	NIL
Campuses abroad	NIL	NIL	NIL

DETAILS OF UNIVERSITY LAND

S.No	Location	Campus area in Hectares
1.	University New Campus	22 Hect. (547.05 Acres)
2.	University Old Campus (Science & Commerce College Campus, University Guest House, Gargi Girls Hostel)	7.60
3.	Nehru Hostel	3.48
4.	Geology Deptt.	1.47
5.	Sports Complex M.B. Hostel etc.	11.98
6.	Grand Total:	246 Hect. (608 Acres)

DETAILS OF BUILT UP AREA OF THE UNIVERSITY BUILDINGS

S.No.	As on (dates)	Total plinth area in sq m
1.	31-03-2009	54026.00
2.	31-03-2010	56537.00
3.	31-03-2011	58763.00
4.	31-03-2012	62608.00
5.	28-02-2013	67036.00

DETAILS OF BUILDINGS: (Area in square meters)

Location	Built up Area	Library	Garden	Annexe	Canteen	Girls Common Room	Union Office Student	Union Office Staff	Plantation Area	Water Harvesting	Ramp
U.A.O.	5358	905	244	279	83	-	-	73	608	1	-
U.C.C.M.S.	2726	113	1833	-	55	66	36	-	-	-	1
U.C.S.S.H.	8459	794	824	-	160	-	34	-	1761	-	3
U.C.S.	16395	1354	6220	30 (Emplo-yment Office)	177	102	102	24	4200	-	5
Nehru Hostel	3520	-	1000	-	33	-	-	-	1000	-	-
U.C.L.	3174	602	1611	-	134	-	-	-	2200	1	1
Pharmacy Deptt.	1448	109	1005	-	-	34	-	-	6400	-	1
P.R.C.	323	-	-	-	-	-	-	-	1000	-	1
Environment Deptt.	777		2342	-	-	-	-	-	1286	-	-

	53854	4503	257803	309	642	289	372	97	27302	5	17
Biotech.	960		2342	-	-	-	-	-	1250	-	1
Computer Centre	300	-	-	-	-	-	-	-	600	-	-
M.C.A.	1007	-	2160	-	-	-	-	-	2367	-	-
F.M.S.	2220	315	1212	-	-	81	-	-	1440	-	1
Auditorium	1471	-	1450	-	-	-	-	-	920	-	2
Vishvvidyalaya Vatika	-	-	231700	-	-	-	-	-	1000	1	-
DSW Office	200	-	30	-	-	-	200	-	-	-	-
Deptt. of Geology	2502	144	2007	-	-	-	-	-	716	-	-
Estate Office	300	-	-	-	-	-	-	-	385	1	1
University Guest House	805	-	923	-	-	-	-	-	169	-	-
Vanijya Bhawan	1909	167	900	-	-	6	-	-	-	1	-
TOTAL:	**53854**	**4503**	**257803**	**309**	**642**	**289**	**372**	**97**	**27302**	**5**	**17**

A glimpse of few buildings

U. College of Science

Dept of Biotechnology

Dept of Geology

Dept of Environmental Sc.

Computer Centre

Dept of Physics

Dept of Law

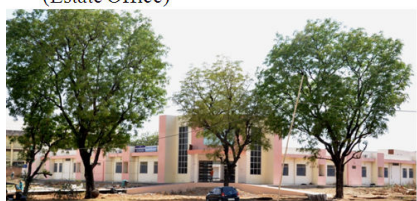U. College of Commerce

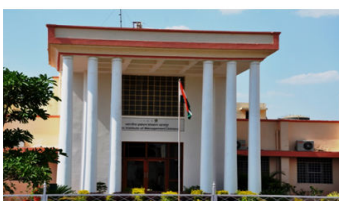Nirman Bhawan (Estate Office)

Administrative Building

VC Residence

Yoga Centre

Vanijya Bhawan

IIM Udaipur

FMS building

12. Provide information on the following: In case of multi-campus University, please provide campus-wise information.

a. Auditorium with infrastructural facilities

Item	Built up Area	Garden	Other facility	Location
Closed Auditorium with seating capacity of 1500, 2 ramps, 240 sqm stage area and 920 sq m Plantation area, one cafeteria	1471 Sq m	1450 Sq m	Lobby, ante-rooms, Green rooms, toilets, Stage with flood lights, three layers of curtains, provision for back-drops, Air cooling system and dolby sound system. Ample parking space.	University Main Campus
Open air auditorium with a seating capacity of 500	1000 Sq ft. approx		Covered stage with green rooms, back-drop facility	University College of Science

A.Closed Auditorium   B. Open air auditorium

b. Seminar complex with infrastructural facilities

1. Swarn Jayanti Hall at University College of Science with facilities such as mikes on each seat, audio-visual aids, A.C. etc. and seating capacity of 150 members.

2. Vivekanand Hall at University College of Science for 150 members with audio-visual facility.

3. The University administrative office and most PG departments have individual seminar halls with a seating capacity of at least 100 people and are well equipped with audio-visual facilities, A.C. etc.

❖ *Sports facilities:* (details given in section 5.3)

1. Playgrounds
2. Six Lane, Red Clay Athletic Track
3. Basket ball Courts (cemented)
4. Cricket Ground (2, Turf wicket of 'Ranji standard')
5. Football ground (lush green national standard)
6. Hand ball Courts (Red Clay)
7. Hockey ground (lush green, national standard)
8. Kabaddi & Kho –Kho courts (Red Clay)
9. Lawn tennis Courts (Cemented)
10. Squash Court (Cemented)
11. Volleyball courts (Red Clay)
12. In-door badminton court
13. Fully equipped gym and yoga rooms
14. Rock climbing wall (10m, capacity for two people at a time)

3. All constituent colleges and the university administrative block are equipped with adequate drinking water facilities (Water Coolers with RO facility) Girls Common room, well-maintained men and women toilet facilities on every floor, security personnel

❖ *Hostels*

❇ **DETAILS OF BOYS HOSTELS**

Name of Hostel	Built up area	Type of Rooms			Total capacity	Mess	Toilet		Common Room	Recreation rooms	Garden	Care-taker
		Single	Double	Dormitory			WC	Bath				
Ramanujan Hostel	981.63 Sqm.	-	20	-	40	1	11	6	1	1	1	1
ST Boys Hostel	2458.91 Sqm	-	50	-	100	1	19	18	1	1	1	1
M.B. Hostel	2351.61 Sqm	18	6	24 (Triple seater)	102	1	18	24	1	1	1	1
D.S. Kothari Hostel	684 Sqm.	11	-	-	11	11 with kitch-enette	-	-	1	1	1	1
Nehru Shikshak Sadan	1760.40 Sqm	24	-	31 (Three seater)	117	1	16	16	2	1	1	1
TOTAL		**53**	**76**	**55**	**370**	**15**	**64**	**64**	**6**	**5**	**5**	**5**

❈ DETAILS OF GIRLS HOSTELS

| Name of Hostel | Built up area | Type of Rooms | | | | Mess | Toilet | | | Common Room | Recreation Rooms | Garden | Care-taker |
		Single	Double	Dormitory	Total capacity		WC	Bath	Total				
MDS Girls Hostel	Total : 1342 Sqm	-	24	-	48	1	12	10	22	1	1	1	1
UG Girls Hostel	Total : 1918 Sqm	-	34	-	68	1	8	6	14	1	1	1	1
PG Girls Hostel	Total : 1104 Sqm	-	34	-	68	1	8	6	14	1	1	1	1
Gargi Girls Hostel	Total : 2728 Sqm	41	43	1(Four seater)	131	1	21	21	42	2	1	1	1
Kamla Nehru Hostel	Total : 1761 Sqm	24	-	31 (Three seater)	117	1	16	16	32	2	1	1	1
	TOTAL	65	135	32	432	5	65	59	124	7	5	5	5

Gargi Girls Hostel

Ramanujan Boys Hostel

❖ *Residential facilities for faculty and non-teaching*

The university has adequate housing facility for its faculty. The total number of residential quarters is 63 with a distribution of quarters as follows:

Professor's quarters	8
Associate/AssistantProfessor quarters	37
Non Teaching quarters	17
VC Bungalow	1

VC Bungalow

❖ *Cafeteria*

Cafeteria (number, facilities, approximate seating capacity) : all constituent colleges and the university administrative block have their own canteens with a seating capacity of atleast 50. A central cafeteria near the University Auditorium has been constructed.

❖ *Health centre*

A primary health centre has just been constructed and will become functional in the next session. Also, the university has a well equipped gymnasium and a yoga centre which is open to all staff and students.

Gymnasium

Yoga Room

❖ *Facilities like banking, post office, book shops, etc.*

The university has a post office and a branch of ICICI bank along with its ATM in the campus.

❖ *Transport facilities to cater to the needs of the students and staff*

University has one fully air-conditioned 16 seater tempo traveler, one 40 seater bus, one 12 seater bus, 2 cars, 3 tempo trax which are used for administrative, exam and other purposes. Apart from that as and when required the university hires taxis.

❖ *Facilities for persons with disabilities*

Ramps have been built at the entrance of all college buildings, auditorium etc.

❖ *Animal house and Incinerator*

The zoology department has a well maintained animal house along with a caretaker. An incinerator has also been installed in college of science to dispose of animals and other such waste matter.

❖ *Power house*

S.No.	Location	Load	Remarks
New Campus			
1.	University New Campus (One Bulk Supply Connection)	850 kW	Having connection of 850 kW with contract demand 300 kVA mix load with 11 kV HT metering & Transformers of capacity 315 kW, 250 KVA One No. & 100 kVA two Nos.
2.	S.T.Boys Hostel	6 kW	Temporary connection
Old Campus			
3.	University Guest House	48 kW	Having 48 kW Non Domestic connection.
4.	University College of Science Campus (All Deptt., U.C.C.M.S., Gargi Girls Hostel, Geology Deptt.)	658 kW	Having connection of 658 kW, 260 kVA mix load supply by 630 kVA transformers.
5.	Sports Complex, M.B. Hostel, Research Hostel	20 kW	Having 20 kW Non Domestic connection.
6.	Nehru Hostel Campus	30 kW	A 3 Phase, 30 kW Domestic connection.
7.	For Residential Quarters Separate connection for each quarter for New & Old Campus from A.V.V.N.L. (Total Quarter 78 Nos.) 78x5=390KW	390 kW	Separate connection

❖ *Waste management facility*

- Waste & Garbage is disposed off through contract agencies on the dumping ground of Municipal Corporation, Udaipur.
- Dried leaves are converted to compost and used as manure in gardens.
- There is an incinerator for disposing biological wastes

13. *Number of institutions affiliated to the university*

Year 2011-2012

Type of colleges	Total	Permanent	Temporary
Arts, Science and Commerce	124	28	96
Law	6	1	5
Medicine	-	-	-
Engineering	-	-	-
Education	76	2	74
Management	1	1	0
Total	207	32	175

14. Does the University Act provide for conferment of autonomy (as recognized by the UGC) to its affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the University   No

15. Furnish the following information:

Particulars	Number	Number of Students
University Departments Undergraduate Post graduate Research centres on the campus	 33 33 9	 NA 2383 (2011-12)
Constituent colleges	04 (UCOS, UCSSH, UCCMS, UCL)	(2011-12) 5130
Affiliated colleges	210 (2011-12)	1,12,174 (2011-12)
Colleges under 2(f)	07	
Colleges under 2(f) and 12B	24	
NAAC accredited colleges	4	
Colleges with Potential for Excellence (UGC)	NIL	
Autonomous colleges	NIL	
Colleges with Postgraduate Departments	6	
Colleges with Research Departments	6	
University recognized Research Institutes/Centres	NIL	

LAYOUT OF THE UNIVERSITY AT A GLANCE:

16. Does the university conform to the specification of degrees as enlisted by the UGC?

Yes

17. Academic programmes offered by the university departments at present, under the following categories

Programmes	Number
UG	15
PG	21
Integrated Masters	1 (Law + Management)
M.Phil.	2
Ph.D.	40
Integrated Ph.D.	Nil
Certificate	6
Diploma	25
PG Diploma	12
Total	**122**

18. Number of working days during the last academic year.

289 days (July 2011 – June 2012)

19. Number of teaching days during the past four academic years.

183   181   180   184

20. Does the university have a department of Teacher Education?   No

21. Does the university have a teaching department of Physical Education?

The University has a full-fledged and active University Sports Board (USB) for the promotion and development of games and sports amongst the students at the University centre and its Affiliated Colleges. The Board has started running a master's degree course in Physical Education, M.P.Ed., from the session 2009-2010 on self financed scheme basis. The board, headed by a Chairman and assisted by a Secretary, is a policy making body and has an independent designated budget, offices and ground facilities.

22. Has the university been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon.

Yes NAAC accredited B[++] level (among the universities) on 21st March 2003. Copy of certificate of Accreditation enclosed.

23. Number of positions in the university

Positions	Teaching faculty			Non-teaching / Technical staff
	Professor	**Associate Professor**	**Assistant Professor**	
Sanctioned by the UGC / University / State Government	26	51	177	504
Recruited				
Yet to recruit	08	31	121	375
Under UGC-CAS	18	20	56	129
	53	17		

24. Qualifications of the teaching staff

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	**Female**	**Male**	**Female**	**Male**	**Female**	
Permanent teachers : Total 155							
Ph.D.	50	11	21	16	22	22	142
M.Phil.	-	-	-	-	-	1	1
PG	-	-	-	-	9	3	12

25. Emeritus, Adjunct and Visiting Professors

NIL

26. Chairs instituted by the university

Department of Political Science: Mohanlal Sukhadia Chair for Good Governance

27. Students details:

❋ **Details of UG students enrolled in the current year**

Name of College	No. of students enrolled									
	SC		ST		OBC		Gen		Others	
	Boys	**Girls**	**Boys**	**Girls**	**Boys**	**Girls**	**Boys**	**Girls**	**Boys**	**Girls**
Constituent Colleges	539	145	655	114	1064	326	1269	717	166	135
Affiliated Colleges	6545	4755	21317	12749	17623	13489	16977	18719	---	----

❋ **Details of Students enrolled in the current year for P.G classes:**

Name of College	No. of students enrolled									
	SC		ST		OBC		Gen		Others	
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
Constituent Colleges	249	81	201	68	404	196	547	576	36	25
Affiliated Colleges	1388	990	2683	1681	3010	2981	3779	6490	-	-

❋ **Details of Students enrolled in the current year for other courses:**

Name of College	Course									
	Diploma					Certificate				
	SC	ST	OBC	Gen	Other	SC	ST	OBC	Gen	Other
Univ. College of Social Sciences and Humanities	05	04	18	68	06	04	07	07	12	-
Univ. College of Law	11	02	18	36	02	-	-	-	-	-

❋ **Details of Students enrolled for Ph. D (2007-2012)**

Name of College	No. of Students Enrolled							
	SC		ST		OBC		Gen	
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
Univ. College of Science	18	12	10	4	38	18	215	175
Univ. College of Commerce & Management Studies	5	7	2	-	5	8	131	195
Univ. College of Social Sciences and Humanities	36	24	58	21	60	27	260	326
Faculty of Law	8	-	2	-	9	1	26	13
Faculty of Education (only in affiliated colleges)	2	1	4	1	7	6	46	50

❋ **Details of Students enrolled for U.G and P.G classes (2010-2011)**

Name of College	No. of students enrolled										Total
	SC		ST		OBC		Gen		Minority		
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
Constituent Colleges	829	200	874	157	1320	436	1478	1250	-	-	6544
Affiliated college	4328	2834	13715	8139	10154	7196	8813	10831	539	873	67422

❋ **Details of Students enrolled for U.G. and P.G. classes (2009-10) and (2008-09)**

Name of College	No. of students enrolled										Total
	SC		ST		OBC		Gen		Others		
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
Constituent Colleges (2009-2010)	591	84	648	50	937	214	1684	1159	-	-	5367
(2008-2009)	642	99	568	55	1054	206	2211	1542	-	-	6377
Affiliated colleges (2009-2010)	3475	2052	10930	5635	7844	5310	8451	11818	-	-	55515
(2008-2009)	3417	2007	9853	4824	7463	5418	8101	12331	-	-	53414

28. *'Unit cost' of education (Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)*

(a) Including the salary component = Rs. 4091.25 Lakhs

(b) Excluding the salary component = Rs. 3182.55 Lakhs

29. *Academic Staff College*   No

30. *Does the university offer Distance Education Programmes (DEP)?*   No

31. *Does the university have a provision for external registration of students?*
About 80,000 **Non Collegiate** students annually

32. *Is the university applying for Accreditation or Re-Assessment?*

Accreditation, Cycle 1

33. *Date of establishment of Internal Quality Assurance Cell (IQAC) and dates of submission of Annual Quality Assurance Reports (AQAR).*

IQAC	28-11-2003	
AQAR	a)	07-9-2009
	b)	15-9-2010
	c)	03-9-2011
	d)	18-9-2012

D. Criteria-wise Inputs

Criterion I: Curricular Aspects

1.1   Curriculum Design and Development

VISION OF THE UNIVERSITY

"To provide knowledge and quality based education to the students by inculcating moral values, scientific temper and employing state of the art technologies. It aims to pursue excellence towards creating manpower with high degree of intellectual, professional and cultural development to meet the national and global challenges."

MISSION OF THE UNIVERSITY

- To impart value based education leading to holistic development and preparing enlightened citizens.
- To provide up-to-date, relevant and need based knowledge.
- To utilize the acquired knowledge in solving problem and innovation through research and development.
- To integrate latest technology such as Information and Communication Technology with teaching, research, extension and governance.
- To help students to think rationally and develop ability to work in multi disciplinary teams.
- To ensure access of all sections of the society for higher education keeping in view the prevailing socio-economic deprivations.
- To increase access of women to education and ensuring gender justice and their empowerment.
- To develop self reliant, enterprising and employable human resource.
- To use new knowledge created through research and innovation for sustainable utilization and management of locally available natural resources.
- To protect, preserve and promote the cultural heritage.
- To provide ambience in environment for freedom of expression in order to create liberal ethos.

The overall mission of the University is to move towards excellence in higher education in order to achieve just, plural and equitable society in consonance with the constitutional values and has been continuously striving to translate into actions the above stated mission statements for the sole purpose of realizing its vision. Consequently, the university has set for itself following goals and objectives:

- The university has the primary goal of intellectual and academic development of the society in general and its student community in particular.
- In its curriculum design the university has incorporated those contents which are vital for both the self development of the student as well as the development of the nation as a whole.
- The university has been following a transparent, sensitive and responsive system for providing easy accessibility to the disadvantaged as well as differently abled persons.

- Some of the curricula of the university focus on ecology and environment related aspects. Various vocational, employment oriented courses having global outlook, have been launched from the academic session 2000. In addition to the large number of academic programmes which are on offer, the university has been providing avenues for doctoral, researches as well as extension activities.
- Various academic bodies of the university such as Committee of Courses, Faculties and Academic council have given due representation to different sections of society as well as the representatives from the affiliating colleges. Their views on curriculum design are given due consideration.

Design and development of the curriculum

The aim of the university is equip the students with qualities that enable them to take up the challenges while imparting moral values so that they are able to succeed in today's competitive world. Over the years the university has developed well defined procedure of designing /updating the syllabi. The curriculum development process follows the following steps:
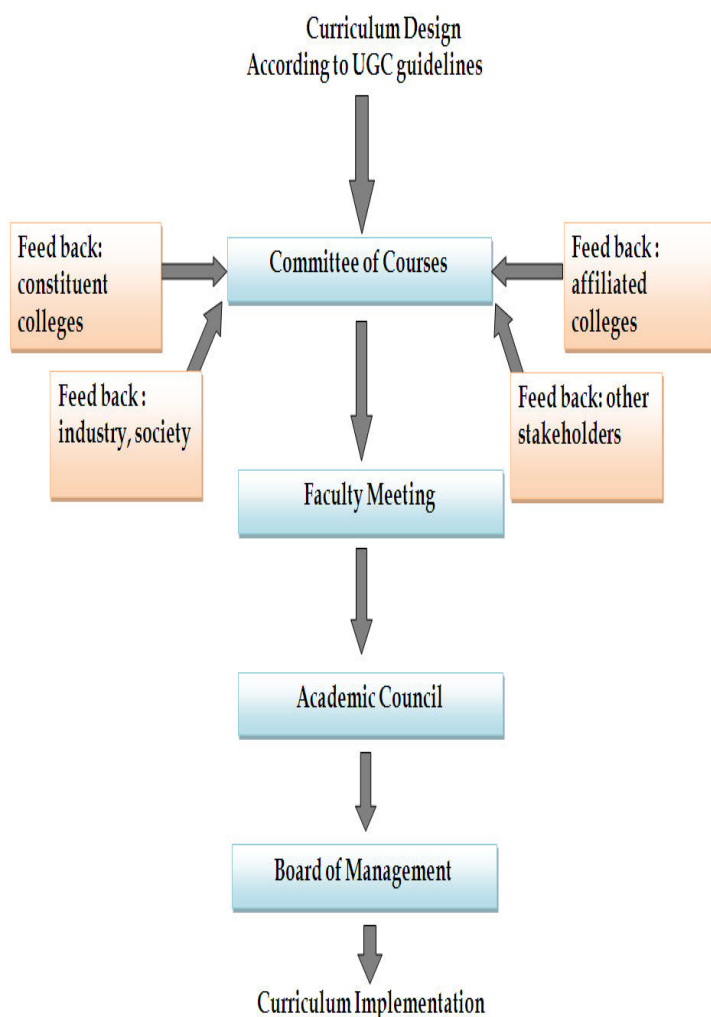
Constitution of the Academic Council:

- Ex officio Chairman: Vice-Chancellor
- Dean Post-graduate Studies
- VC nominees: One Professor from each faculty, One Dean Constituent College, one academician, one associate /assistant professor of constituent College /Department having a minimum ten years of UG/PG experience.
- Govt. nominees: Secretary, Education Dept. or his nominee, Director College Education, affiliated college principal, one academician, one teacher from affiliated colleges
- Heads of University Departments.
- The Registrar of the University, Member Secretary

The term of office of a nominated or elected member is two years.

Active participation of the industry/ academic experts/ persons of repute from the society/ stakeholders in this exercise help us in ensuring that the emerging demands for providing community and national development, self-development, value addition, ecology and environment awareness, access to the disadvantaged and integration of global and national demands are incorporated in the syllabi. Time to time meetings with faculty members of affiliated colleges, persons of repute/ industrialists/ renowned academicians/ government officials are held to discuss the introduction of new courses and revision of existing courses and who are also part of the decision making bodies at various levels. Apart from this, the faculty is continuously exposed to new ideas while attending seminars, conferences, workshops/orientation, refresher courses etc. and in-fuse these ideas into curriculum design and development. The syllabi of various competitive exams such as NET/SLET/GATE etc. and inputs from the IQAC are also kept in mind while designing the curriculum.

The university also ensures effective implementation of the curriculum. The most important step in this direction is preparation of the annual/semester time table by all colleges/departments showing the duration of the classes and the name of the faculty member who engages them. The division of workload is as per UGC/ AICTE norms. The syllabi are uploaded on the website and hard copies are also made available at nominal cost. The website has a form for obtaining constructive feedback from all stake holders. This continuous, dynamic and multifaceted exercise helps the university colleges/departments to develop meaningful curricula which are relevant in the context of higher education and societal needs.

Based on the suggestions of the departmental committee of courses/ academic council it has been possible to start new UG, PG, Ph.D programmes and Diploma as well as certificate courses in emerging subjects such as nanotechnology, bioinformatics, computer applications, mass communication, tourism and hotel management, banking, Industrial Chemistry, Polymer Science, Taxation, International Business, Entrepreneurship Development, E-Banking, Environmental Science, Environmental Mgt. in Mining and Industries, Disaster Management, Fashion Merchandising & Readymade Garments, Textile Designing, Community Health Economics, Environmental Economics, Web Journalism etc.

Apart from this, courses such as Pali, Buddhism & Non-violence, Visual Arts Yog Education, Thought & contribution of Jawahar Lal Nehru, Counselling & Psychotheraphy, Psychological Testing, Human Rights & Duties, Population & Family Welfare Studies, Shramana Tradition & Contemporary Values, Yog Training, Nehru's Thought Contribution & Relevance etc. indicate that the University also strives to instill moral values in youth. University has a very strong Faculty of law, where along with the usual degrees, Diploma courses in Labour Law, Labour Welfare and Personnel Management, Company Law & Secretarial Practice, Criminology and Socio-economic Crimes, Banking Law, Intellectual Property Law are also being conducted.

Courses are designed keeping in mind the demand in industries, society etc. at the local, regional, national and international levels. Existing courses are modified according to these requirements. For example, courses in subjects such as Bio-Technology, Polymer Science, Microbiology, Industrial Chemistry, Remote Sensing, IT, Environment Management, Computer applications, Business Computing, Environmental Mgt. in Mining and Industries, Disaster Management, Electronic Instrumentation Web Designing,

Office Automation and e-Governance, Cost Management Accounting, Taxation, International Business, Entrepreneurship Development, E-Banking, International business, HRM, banking & Insurance, Retail management, Taxation, e-Banking, Financial services management, Tourism management, Journalism, Languages, Fashion merchandising & readymade garments, Textile designing, Community health economics, Environmental economics, Yoga education, Psychotherapy, Capital marketing, Web journalism & labor law, Population Research, Remote Sensing and Geographically Information system, Good Governance and Democratic Decentralization, Heritage, Tourism and Museology, Thought & contribution of Jawahar Lal Nehru, Counselling & Psychotheraphy, Psychological Testing, Human Rights, Duties and welfare, Labour Law, Labour Welfare and Personnel Management, Company Law & Secretarial Practice, Criminology and Socio-economic Crimes, Banking Law, Intellectual Property Law have been introduced which have a high acceptability in the job market.

The university designs the various courses in accordance to the UGC/AICTE guide lines but, has the academic freedom to introduce innovations in the syllabi. Fieldwork, internship, project work and training are built into the curriculum and academic flexibility in form of several value addition diploma and certificate courses to choose from provides greater opportunities for students. The university is in the process of introducing options to earn extra credits after implementing CBCS in a phased manner. To keep pace with changing demands in a dynamic world, new and innovative courses are continuously being introduced from time to time. A list of such innovative courses is given below:

S No.	Name of Course	Faculty
1	Diploma in Computer Application, Business Computing, Environmental Management in Mining and Industries, Disaster Management. P.G. Dip. In Electronic Instrumentation.	Faculty of Science
2	Diploma in Cost Management Accounting, Taxation, International Business, Entrepreneurship Development, E-Banking, M.B.A. Financial Services Management, M.T.M.	Faculty of Management Studies
3	Diploma Fashion Merchandising & Readymade Garments, Textile Designing, Community Health Economics, Environmental Economics, Pali, Buddhism & Non-violence, Financial Market, Capital Marketing, Journalism, Yog Education, Population Research, Remote Sensing and Geographically Information system, Good Governance and Democratic Decentralization, Heritage, Tourism and Museology, Thought & contribution of Jawahar Lal Nehru, Counselling & Psychotheraphy, Psychological Testing, Human Rights & Duties, Certificate Course in Language, Population & Family Welfare Studies, Shramana Tradition & Contemporary Values, Web Journalism.	Faculty of Social sciences in Humanities
4	LLM-MBA, PG Diploma in Labour Law, Labour Welfare and Personnel Management, Diploma in Company Law & Secretarial Practice, Criminology and Socio-economic Crimes, Banking Law, Intellectual Property Law	Faculty of Law

The curriculum is designed in accordance to the syllabus prescribed by AICTE & UGC and also keeping in mind UGC/CSIR NET, SLET, GATE etc. Special papers at PG level are designed and introduced according to the current research needs. From time to time workshops on Research methodology in all faculties are organized inviting subject experts in the respective fields, collaborating with research agencies such as ICSSR, DST, ICMR, CSIR, UGC and several others for the benefit of research scholars and faculty members. Various departments of the university hold national and international seminars and conferences. A list of few such deliberations is given below:

- National Workshop on Women Journalism in India 2012
- National Seminar on Discourse of Emancipation Revisiting Ambedkar, Gandhi and Marx, ICPR, 2012
- Democracy at Grassroots: Fifty years of Panchayati Raj in India, 2010.
- Human Rights and Development Issues in the TSP region of South Rajasthan, 2010. UGC.
- International Conference on Ancient Indian Economic Thought, 2013.
- International Conference on "Perspective in Culture, Society and Gender in Subaltern Communities in South Asia, 2012, ICSSR, UGC.
- All India Sociological Conference on "Contemporary Indian Society: Challenges & Responses, 2012. ICSSR, UGC.
- National Art Workshop 2010.
- International Art Workshop 2011.
- National Art Camp 2012.
- Art Residency, 2012.
- National Art Comp, 2013.
- National Seminar on "Substantial Development through water Policies", 2012.
- National Symposium on Plant Biotechnology for Conservation, Characterization and Crop Improvement on February 8-10, 2008.
- National Conference on Environmental Sciences 2007.
- International Conference on Folk and Herbal Medicines, 2010.
- National Seminar on Ore body modeling for genesis, predictive metallogeny and resource analysis, 2008 (MoES).
- All India Students Symposium on Geology (GEOYOUTH – 2009, 2010, 2011 (DST, MLSU).
- National Seminar on "Utilization of Natural Resources : Prospects and Challenges", 2010 (UGC –SAP)
- National Level Field Based Workshop on Litho-tectonic Controls of Mineralization, 2011.
- Refresher Course on Petrography & Ore Microscopy, organized during 8.11.2011 to 12.11.2011. (DMG)
- Orientation Training on Field Geology, 2012 (DMG)
- Acquaintance Programme on Accelerator based Research, 2009 IUC, New Delhi.
- 18th National Symposium on Radiation Physics (NSRP-18), 2009, DST, DRDO, UGC, CSIR New Delhi; MLSU.
- First International Conference of Road Safety Vision: 2020, 2011, MLSU, Udaipur.
- 39th BSC-BRNS Meeting, 2011, MORTH, New Delhi
- International Conference on Sustainable Management Practices (ICSMP-2012).

The faculty and students are sent for trainings/participation in workshops at various local, regional and national research institutes/industries/NGO's and other such welfare bodies.

Courses such as PG Diploma in Human Rights & duties, Good governance, journalism etc enable students to interact with industry & civil society. Such exposure widens the students' horizons and also enables them to find jobs in these and related bodies.

We also invite prominent industrialists, social activists, academicians, HR personnel etc. to address the students to acquaint them with the ground realities/expectations of these jobs and also to motivate them to seek a career in these. Meetings with industrialists, NGO's etc. are also organized to take their feedback on the existing syllabi and to get suggestions which can be incorporated. Names of few eminent people who have visited different departments is given below:

1. Diane Brandt, Director, North India Program, Public Affairs Section, US Embassy.
2. Prof. Michael Sonnleitner, Visiting Fulbright Fellow, Portland Community College, Oregon, USA.
3. Prof. Douglas W. Allen, Visiting Fulbright Distinguished Chair, Maine State University, USA.
4. Representatives of USIEF (lecture on awareness about Fulbright Fellowships), 2010.
5. Prof Anirudh Krishna, Duke University, North Carolina, USA
6. Mr Sopan Joshi, Managing Editor, Down to Earth
7. Prof. C.P. Shrimali, Director, MDI, Gurgaon.
8. Sh. J.L Nagori, President, IPCA Ltd., Mumbai.
9. Sh. Subodh Kaushik, Regional Director, Punjab National Bank.
10. Sh. Ashok Banthia, Bollywood & TV Actor.
11. Dr. Shinjairo Ogita, Scientist, Japan
12. Prof. N. Sankhala, Scientist, Texas A & M University, Dallas, Texas
13. Prof. A. K. Tripathi, Head, School of Biotechnology, Banaras University
14. Dr. Gotam K. Jarori, Scientist, Tata Institute of Fundamental Research
15. Dr. F. A. Habib, Department of Plant Pathology, Kansas State University, USA
16. Dr. Saurabh Raghuvanshi, Department of Plant Molecular Biology, Delhi University, South Campus, New Delhi
17. Dr. H. S. Chawla, Department of Genetics & Plant Breeding, G. B. Pant University of Agriculture and Technology, Pant Nagar, Uttarakhand.
18. Prof. J.J. Vora, Deptt. of Chemistry, North Gujrat University, Patan.
19. Prof. D.M. Joshi, Dept. of Chemistry, Central University, Gadwal.
20. Prof. D.I. Brahambhatt, Dept. of Chemistry, S.P. University, V.V. Nagar.
21. Prof. J.D. Joshi, Dept. of Chemistry, VV Nagar, Gujrat.
22. Dr. M.P. Dobhal, Dept. of Chemistry, University of Rajasthan, Jaipur.
23. Prof. Irina Kostova,Dept. of Chemistry, Czechoslovakia.
24. Prof. Sheafer,Dept. of Chemistry, US.
25. Dr. Alok Porwal, IIT Powai, Mumbai.
26. Shri Rakesh Verma, IAS, Jaipur.
27. Prof. R.K. Khar, Jamia Hamdard University, New Delhi.
28. Prof. A.K. Singhai, Dr. H. S. Gour Central University, Sagar (M.P.).
29. Prof. B.N. Sinha, B.I.T.S., Ranchi (Jharkhand).
30. Dr. S. Kailas, BARC, Mumbai.
31. Dr. N K. Sahoo, BARC, Mumbai
32. Prof. N. K Verma, Nano Research Lab., School of Physics & Material Science, Thapar University, Patiala-Punjab.
33. Prof. P. P.Sahay, Deptt. of Physics, Motilal Nehru National Institute Technology, Allahabad.

34. Prof. N. Chandra Sekaran, Centre for Nanobiotechnology, Nanobiomedicine Lab, VIT University.
35. Dr. Venkataramanan Mahalingam, Department of Chemical Sciences, IISER-Kolkata, Mohanpur.
36. Prof. J. Narasimha Moorthy, Deptt. of Chemistry, IIT- Kanpur.
37. Dr. Debapratim Das, Dept. of Chemistry, IIT Guwahati, North Guwahati, Assam.
38. Prof. S. Kannan, Division of Cancer Research, Regional Cancer Centre, Thiruvananthapuram.
39. Dr. S. Ramasam, Cardiac Hypertrophy Laboratory, Department of Molecular Biology, M.K. University, Madurai.
40. Dr A. Gopala Krishna, Dept of Biotechnology. IIT Madras, Chennai.
41. Dr. Sathees C. Raghavan, Department of Biochemistry, IISC, Bangalore.
42. Dr. Y. Sakurai, Japan Synchrotron Radiation Research Institute (JASRI), SPring-8, Japan.
43. Prof. Ravi Pandey, Michigan Technological University, USA.
44. Prof. Rajeev Ahuja, University of Uppsala, Sweden.
45. Prof. B.M. Reddy, NGRI, Hydrabad.
46. Prof. Pant, Director, IITM, Pune.
47. Dr. S. C. Bapna, Head, Advanced Technical Training Section, RRCAT, Indore.
48. Dr. N.P. Lalla, UGC-DAE Consortium for Scientific Research, Indore.
49. Dr. Shivaramu, Radiological Safety Division, Indira Gandhi Centre for Atomic Research, Kalpakkam, Tamil Nadu.
50. Dr. Sanjay Chouksey, Indus Operation and Accelerator Physics Design Division, RRCAT, Indore.
51. Dr. G. Haridas, Health Physicist, RRCAT, Indore.
52. Prof. D. Bhattacharya, IUCAA, Pune.
53. Prof. P. Narsimha, TIFR, Mumbai.
54. Prof. S. Chatterjee, IIAP, Banglore.
55. Prof. P.C. Agrawal, TIFR, Mumbai.
56. Dr. S. Mahadevan, IGKAR, Kalpakkam.
57. Prof Montek Singh Ahluwalia, Deputy Chairman Planning Commission
58. Prof. Sukhdev Thorat, Chairman, ICSSR.
59. Prof. T.S. Papola,ICSSR National Fellow,New Delhi.
60. Prof. Ravi Shrivastav ,J.N.U.New Delhi.
61. Prof. Amita Shah,Gujrat Institute of Development Research, Ahemadabad.
62. Prof. Padmini Swaminathan, Tata Institute of Social Schemes, Mumbai.
63. Prof. Dev Nathan, Institute for Human Development, New Delhi.
64. Prof. Majumdar, Taranto University, Canada.
65. Prof. Binayak Path, IIT, Kharaghpur.
66. Prof. G.K. Chadha, South Asian University, New Delhi.
67. Prof. S.M. Azizuddin, Professor and Head, Department of History, Jamia Millia Islamia University, New Delhi.
68. Prof. R.K. Sharma, Former Prof. Kurukshtra University, Haryana.
69. Prof. S.N. Dubey, Former Professor and Head, Department of History Rajasthan University, Jaipur.
70. Prof. V.K. Vashishtha, M.D.S. University, Ajmer.
71. Prof. Aruna Sinha, Professor, B.H.U. Varanasi
72. Prof. Arvind Sinha, Professor, Department of History J.N.U., New Delhi.
73. Dr. D.P. Sharma, Director, Lok Kala Museum B.H.U., Varanasi.

74. Prof. Inayat Jaidi, Professor, Department of History, Jamia Millia University, New Delhi.
75. Prof. Ravindra Kumar, Professor, Indira Gandhi Open University, Delhi.
76. Prof. Ashok Kumar Singh, Mahatma Gandhi Kashi Vidhyapeeth, Varanasi.

For quality enhancement the students taken for field visits, industrial trips for exposure to industry, research bodies and the civil society and to impart practical knowledge amongst students and to enhance the quality of understanding and fine tuning skills. Regular visits by leading luminaries and professionals provide inputs in the latest trends. Faculty and students attend seminars, workshops, panel discussions, training in research bodies In order to keep the scientific and research temper alive in the campus. Faculty is encouraged to take up membership of professional research bodies and participate in research activities to further enhance their research capabilities. The library subscribes to the journals and e-journals, and professors from other universities are invited for discussions, workshops and for professional interactions with the faculty members.

Workshops and discussions are regularly held to keep the faculty of affiliated colleges abreast with changes in syllabi/programs and to take their feedback regarding the content, implementation and lacunae in the existing syllabus and to take their suggestions for implementing the new courses. Faculties from affiliated colleges are also nominated to the academic council and committee of courses so that they participate in the process of curriculum design/modification and introduction of new programs.

The university has a skill development centre to inculcate soft skills in students. Competitive exam coaching centre has been constituted to help, provide guidance and coach students for appearing in competitive exams like civil services, PSC, PMT, PET etc. Industrial Exposure Training – Curriculum based external training provided to students to give hands-on training. Keeping in view the regional needs of the students the following additional skill oriented courses are also being run by the university. Some examples are as follows:

- Certificate course in spoken English
- P.G diploma in Remote sensing and GIS
- P.G diploma in heritage, tourism and museology
- Diploma in community health economics
- Diploma in environmental economics

1.2   Academic Flexibility

The co-educational university offers a total of 133 programmes in its four core faculties namely: Science, Social sciences and Humanities, Commerce and Management as well as Law providing adequate academic flexibility in the choice of core and elective options. The proposal for introducing a new faculty of earth sciences has been passed by the academic council and will be implemented from July, 2013. All PG and BCA courses are run on semester scheme where as UG courses are still being run as annual courses. University is introducing CBCS in a phased manner wherein it has already been introduced in BCA, MCA and M.Sc (IT) and will be introduced in other courses in the next phase starting July2013.

At the UG level, one B.Com. (Hons.) and 14 general courses are being offered by the university. B.A/B. Com/ B.Sc. have 11 elective options amongst which a combination of three are to be chosen.

For example in B.Sc keeping chemistry common, the students can choose to take any of following subject options:

- Physics and mathematics
- Physics and computer science
- Physics and statistics
- Botany and zoology
- Botany and environmental science
- Botany and geology
- Zoology and environmental science
- Geology and environmental science
- Zoology and geology
- Biotechnology
- Computer applications

Similar options are available in other subjects of social sciences and humanities as well as commerce and management.

University also offers certain subject specific courses at the UG level, for example BCA, B.Sc Biotechnology, BBM, BTM, BHM, LL.B, B. Pharm, B.Lib and B.Ed giving an opportunity to students to get some hands-on experience/find jobs immediately after graduation. University offers M.Phil in 11 subjects and PG in 25. At the postgraduate level, the student has additional flexibility to opt for any two combinations of special papers in the IVth semester. The University is offering Ph.D programmes in 38 core/interdisciplinary subjects.

Certain innovations in curriculum implementation for maximum resource utilization have been introduced from July 2012 like 1st and 2nd semesters of M. Sc Biotechnology and M.Sc Microbiology have a common syllabus and the classes are being conducted jointly. The 3rd and 4th semesters have different subject specific syllabi and are being run by the concerned departments. A three year add-on course of biotechnology at the UG level has been passed by the Academic council and will be implemented from July 2013. Few integrated and interdisciplinary courses such as LLM-MBA, B.A-LL.B, are also being offered as a part of the university curriculum, to meet the increasing demands of the corporate world. Entrepreneurship is the latest key word in the business world. Courses like MIB, MHRM, MBI, MFC, MRM prepare students for not only becoming self sufficient but also prime them for jobs in multinational companies, industries, financial institutions etc. Looking to the demand of industry, M.Sc Microbiology and M.Sc Industrial Chemistry have been introduced since the last two years. A separate department of Polymer Science is also in existence to cater to the growing needs of polymer based, especially rubber industry. Since computerization is essential in all walks of life, we are also running MCA, M.Sc. (IT).

The University also offers enrichment courses/skill based programmes like:

P.G. Diploma : In Electronic Instrumentation, Journalism, Yog Education, Population Research, Remote Sensing and Geographically Information system, Good Governance

and Democratic Decentralization, Heritage, Tourism and Museology, Thought & contribution of Jawahar Lal Nehru, Counseling & Psychotherapy, Psychological Testing, Human Rights & Duties, Labour Law, Labour Welfare and Personnel Management

Diploma : Computer Application, Business Computing, Environmental Management in Mining and Industries, Disaster Management, Cost Management Accounting, Taxation, International Business, Entrepreneurship Development, E-Banking, Fashion Merchandising & Readymade Garments, Textile Designing, Community Health Economics, Environmental Economics, Pali, Buddhism & Non-violence, Financial Market, Capital Marketing, in Company Law & Secretarial Practice, Criminology and Socio-economic Crimes, Banking Law and Intellectual Property Law.

Certificate courses : Language, Population & Family Welfare Studies, Shramana Tradition & Contemporary Values, Web Journalism, Yoga Training, Nehru's Thought Contribution & Relevance.

❖ *Faculty-wise list of programmes taught on campus*

A.   POST PG COURSES

M.Phil and Ph.D. Programme

a. Ph.D. in all Postgraduate Departments.

b. M.Phil Course in –
   1. English
   2. Economics
   3. History
   4. Hindi
   5. Geography
   6. Political Science
   7. Sanskrit
   8. Sociology
   9. Accountancy
   10. Business Administration
   11. Banking & Business Economics

B. POSTGRADUATE

FACULTY OF SOCIAL SCIENCES AND HUMANITIES
1. M. A.
2. M.A. (Vocal Music)
3. M. Lib. & Info. Science

FACULTY OF SCIENCE
1. M. Sc.
2. M. Sc. (Tech) Applied Geology
3. M.C.A.
4. M. Sc. (IT)
5. M. Sc. (Computer Science)

6. M. Sc. (Tech) Nano-Science and Nano-Technology
7. M.Sc. Biotechnology
8. M.Sc. (Industrial Chemistry)
9.M.Sc. Geo-informatics & Remote Sensing

FACULTY OF COMMERCE
1. M.Com
2. Master of Finance & Control
3. Master of Retail Management
4. Master of Banking & Insurance
5. Master of International Business
6.Master of Human Resource Management

FACULTY OF MANAGEMENT STUDIES
1. M.B.A. 2 Yrs. Regular Course
2.M.B.A. 2 Yrs. Service Sector Management
3. Master in Tourism Management

FACULTY OF LAW
1. LL.M.
2. LLM, MBA

FACULTY OF EDUCATION
1. M.Ed.

C. UNDERGRADUATE

FACULTY OF SOCIAL SCIENCES & HUMANITIES
1. B.A.
2. B.A. (Hons.)
3. B.Lib. & Information Science

FACULTY OF SCIENCE
1. B.Sc.
2. B.Sc. Biotechnology
3. B.C.A.
4. B.Pharmacy

FACULTY OF COMMERCE
1. B.Com
2. B.B.M
3. B.Com. (Hons.)
4. B.T.M.

FACULTY OF LAW
1. LL.B.
2. B.A. LL.B

FACULTY OF EDUCATION
1. B.Ed.

D.   DIPLOMA COURSES

FACULTY OF SOCIAL SCIENCES AND HUMANITIES

1. P.G. Diploma in Population Studies
2. P.G. Diploma in Good Governance & Democratic Decentralization
3. P.G. Diploma in Journalism
4. P.G. Diploma in Yog Education
5. P.G. Dip. in Heritage, Tourism and Museology
6. P.G. Dip. Course in The Thought & Contribution of Jawaharlal Nehru
7. P.G. Dip. Course in Population Studies
8. P.G. Diploma in Remote Sensing and Geographical Information System
9. Diploma in Fashion Merchandising & Readymade Garments
10. Diploma in Textile Designing
11. Diploma in Community Health Economics
12. Diploma in Environmental Economics
13. Diploma in Pali, Buddhism and Non-Violence
14. Diploma in Human Rights

FACULTY OF SCIENCE
1. P.G. Dip. in Business Computing (PGDBC)
2. P.G. Dip. in Disaster Management
3. P.G. Dip. in Electronic Instrumentation
4. PGDCA
5. P.G. Diploma in Environmental Management in Mining Industries

FACULTY OF COMMERCE
1. P.G. Dip. in Cost and Management Accounting
2. P.G. Diploma in International Business
3. P.G. Dip. In Taxation
4. P.G. Dip. In Entrepreneurship Development

FACULTY OF LAW
1. P.G. Diploma in Labour Law, Labour Welfare & Personnel Management
2. P.G. Diploma in Company Law & Secretarial Practice
3. P.G. Diploma in Criminology & Socio-Economic Crimes
4. Dip.in Intellectual Property Law
5. Dip in Banking Law

E. ADD-ON COURSES (DIPLOMA COURSES)

FACULTY OF SCIENCE
1. Visual Basic Net
2. Microsoft Net Framework
3. Web Data as Development
4. Web Site Design
5. Data Mining
6. Computational Methods in Bioinformatics
7. Modern Education Technologies

8. Network Design and Installation
9. Linux Operating Computer Network Administration and Management
10. Dip. Course in Nanotechnology
11. Dip. Course in Biophysical Instrumentation and Measurement Techniques
12. Dip. Course in Astronomy
13. Advance Dip. in Clinical Laboratory Techniques (ADCLT)

FACULTY OF COMMERCE
1. Communication Skills and personality Development

F. CERTIFICATE COURSES

FACULTY OF SOCIAL SCIENCES AND HUMANITIES
2. Certificate Course in English Language
3. Certificate Course in Shramana Tradition & Contemporary Values
4. Certificate Course in Web Journalism
5. Certificate Course in Yoga Training
6. Certificate Course in Population and Family Welfare Studies
7. Certificate Course on Nehru's Thought, Contribution and Relevance
8. Certificate Course in Computer Programming

FACULTY OF SCIENCE

1. ICT & Research Methodologies (For Ph.D. Students)

Apart from the regular courses listed above, affiliated colleges offer other courses such as BBM, B.Sc Home Science, BBA, B.Ed, M.Ed, M.P.Ed, B.P.Ed, B.Com (Hons), BMS etc.

The university has a formal office of the International Students' Advisor who encourages and liaises with foreign students. We have a well developed website with comprehensive details of courses and syllabi as well as facilities available. We often get queries from prospective international students regarding admission. The university runs several courses like Master of International Business, Modern educational technologies, disaster management etc. However, we have had only moderate success, mainly due to the stringent visa rules.

The University also offers courses on self-financed basis for which the admission process and teacher qualifications are at par with the aided programmes while the fee structure is higher. In the absence of permanent faculty, payment to the teachers is made on lecture basis as per rules of the government of Rajasthan. The following table gives details about various self-financing programmes being run in the university:

S.No.	Course	Fee Structure
1.	**BACHELOR OF SCIENCE**	
	a) Biotechnology	25,000 P.A. + LF
	b) B.C.A. (Semester Scheme)	22,000 P.A. + LF
	c) B.C.A. (Annual Scheme)	20,000 P.A. + LF
2.	**MASTER OF SCIENCE (Semester Scheme)**	
	a) Information Technology	20,000 Per Sem.+ LF
	b) Computer Science	18,000 Per Sem.

	c) Industrial Chemistry	20,000 Per Sem. + College fees (PA)
	d) Geoinformatics and Remote Sensing	15,000 (S.F.) Per Sem 20,000 Per Sem (Spon.)
	e) Microbiology	25,000 Per Sem+ LF
3.	**POST GRADUATE DIPLOMA**	
	a) Computer Application	18,000 Per Sem
	b) Business Computing	18,000 Per Sem
	c) Environmental Mgmt. in Mining and Industries	9,000 10,000 for sponsored candidates.
	d) Disaster Management	9,000 PA
4.	**BACHELOR OF COMMERCE**	
	a) B.Com.	7,000 + LF
	b) B.B.M	15,000 30,000 (pay. seat) 45,000 (NRI seat)
	c) B.T.M	15,000 30,000 (pay. seat) 45,000 (NRI seat)
5.	**MASTER OF COMMERCE**	
	a) M.I.B.	15,000
	b) M.H.R.M	15,000 60,000(NRI seat Part I) 15,000 (Part II)
	c) M.B.I	15000
	d) M.F.C.	15000
	e) M.R.M.	15000
6.	**PART TIME POST GRADUATE DIPLOMA**	
	a) Cost and Management	9,000
	b) Taxation	9,000
	c) International Business	9,000
	d) Entrepreneurship Development	9,000 15,000 (pay. seat)
	e) E-banking	9,000 16,000 (pay. seat)
7.	**MANAGEMENT STUDIES**	
	a) M.B.A. (Financial Services Management)	75,000 @ year(51 seats) 4500 $ (9 seats)
8.	**BACHELOR OF ARTS**	
	a) Visual Arts	10,000 PA
9.	MASTER OF ARTS	
	a) Vocal Music	5,000 PA
	b) M. Lib and Inf. Sc.	10,000 + LF (Gen) 18,000 + LF (pay)
	c) M.P.Ed	30,000
10.	**POST GRADUATE DIPLOMA**	
	a) Population Studies	5,000 PA
	b) Yoga Education	11,000 PA

		16,000 (S.S. seat)
	c) Remote Sensing and Geographical Inf. System	15,000 PA+ 10,000 Lab Fee
11	**BACHELOR OF LAW**	
	a) B.A.LL.B	12,000 per. sem+ L.F 24,000 Per sem(pay seat)
12	**MASTER OF LAW**	
	a) LLM-MBA Integrated	36,000 50,000(pay seat)
13	**P.G. DIPLOMA**	
	a) D.C.S	5,000+L.F
	b) D.C.L	5,000+L.F
	c) D.IPL	10,000 15,000+LF(pay seat)
	d) Diploma in Banking Law	10,000 15,000+LF(pay seat)

The university is not running any courses in distance education mode as under the policy of the Government of Rajasthan, only the Vardhman Mahaveer Kota Open University is permitted to offer distance education.

One of the educational objectives of the university is to strive towards academic excellence to suit the changing scenario of the nation and the world at large. Looking towards this the university is encouraging all departments to introduce new inter-disciplinary programmes at UG as well as PG level. Lectures are organized for Ph.D students during course work classes where experts/faculty from various fields discuss their research areas and possibilities of interdisciplinary research in their respective subjects. This has resulted in submission of several interdisciplinary research proposals by the newly recruited faculty.

Most of the faculty is involved in interdisciplinary research such as department of botany/biotechnology/geology/chemistry and physics, chemistry and botany, computer science and physics, biotechnology and microbiology etc. Various departments such as sociology and political science, law and management, humanities and law, Accountancy and Statistics as well as departments of banking & business economics, business administration and computer science are running integrated/interdisciplinary courses. Few such courses are listed below:

- An integrated program of M.Sc. Biotechnology and Microbiology is running where the first two semesters are common and the third and fourth semesters are run by the respective departments.
- A collaborative program between the Physics and Computer science departments.
- LLM & MBA, BBA&LLB, BA- LLB
- Department of Accountancy and Statistics as well as Department of Banking & Business Economics, Department of Business Administration and Department of Computer Science have integrated programs
- Department of Jainology and Prakrit has collaborative programs with Pali language and literature and Buddhist studies
- Department of Sociology has collaborative programs with the population research centre and department of journalism

- Department of Political Science has the following collaborative programs:
  - -P.G. Diploma in Good Governance and Democratic Decentralization
  - -P. G. Human Rights and Duties
  - -P.G. Diploma in Nehru Studies
  - -Certificate Course on Political thought of Jawahar Lal Nehru
  - -Departments: Economics, Sociology, Public Adm. Law, Philosophy

Inter-disciplinary programs are in place also at the research level. For this, facilities/equipment developed by a particular department, especially with the aid of funding from agencies like UGC, DST etc. are not only just available for use of researchers but also active help in form of data interpretation and analysis is also offered.

1.3 Curriculum Enrichment

There is a set procedure for revising, updating and reviewing the course contents. Revision is done annually with a provision for 10% change. Updating is done every three years. Changes are made keeping the need for social relevance and/or making the course more job oriented / knowledge intensive. As mentioned above, several inter-disciplinary and new programmes in emerging areas have been introduced.

Revision of the existing programmes is done by receiving feed-back from various stake holders and also informal interactions with the members of different sections of the society. The teachers of each department are asked to go through the syllabus thoroughly and present their suggestions in their respective departmental committee meeting. The meetings of Committee of Courses in different subjects are convened at regular intervals. Academic experts, industry professionals and distinguished members of the society deliberate upon the curriculum design by keeping in mind its relevance as well as usefulness for achieving the desired goals of education. The curriculum so designed are then taken up for a discussion in the meetings of the Faculty of different streams wherein inter disciplinary aspects are consulted. Finally, the approval of the highest academic body of the university i.e. academic council and changes are incorporated and implemented from the next academic session.

P.G. Diploma/Diploma/Add-on Certificate courses as mentioned above are being run by the university as value-added courses. The courses are open to all students who fulfill the eligibility requirements for these courses.

1.4 Feedback System

The stake holder feed back forms are very important part of the curriculum design and development. The university website has a feedback form at the following url: http://www.mlsu.ac.in/beta/feedback.php, through which feed-back can be submitted online. Apart from this, students are also given a feed back form which can vary from department to department and a sample form used by the department of biotechnology is given below:

Students' Feedback Form
Class: _____
Duration: _____

S. No.	Name of the Faculty	Topic	Performance- fill category as given below			Additional Feedback/ suggestions (if any)
			Course Content	Expression/Describing Skills	Interaction with students	

Category	Average	Fair	Good	Excellent
Number	1	2	3	4

Aspects about the existing syllabus and also possibilities for change/enrichment are discussed with teachers from affiliated colleges from time to time by the concerned departmental committee of courses. Relevant portions of the syllabus are updated every year for ensuring quality and relevance of curricula by closely monitoring the syllabus/examination patterns of national/state level examinations like NET, SLET, GATE etc. Employability and specific requirements of industries and organizations are also kept in mind.

Criterion II: Teaching-Learning and Evaluation

2.1   Student Enrolment and Profile

The university widely publicizes the opening of the admission to various courses every year by placing advertisements in newspapers as well on the university web site. Information includes the number of seats, eligibility criteria, number of reserved seats in each category etc. After a proper screening process (as explained below), a merit list is prepared and is posted on the university web site and also on the notice boards of the respective university colleges. The procedure followed for admission to various courses in affiliated colleges is the same and the University ensures that these guidelines are strictly adhered to at the time of annual assessment for new/continuation of affiliation.

Criteria for admission to various courses are mainly through merit and merit with entrance test (for most PG and few UG courses). The procedure followed is outlined below:

- The university places advertisement as explained above and forms can be downloaded from the university website after payment of the requisite fee to the bank for the admission form
- On submission of the filled forms, these are sorted category-wise (general, SC, ST, OBC, physically handicapped, students from MLSU (for post-graduate courses), other universities
- Common and category-wise merit lists are made according to the pertinent marks with additional weightage for C certificate of NSS, NCC, participation in various sports and other events at the district/state/national levels.
- The merit list is posted on the web-site as well as the notice boards along with dates of counseling which are also published in newspapers.
- Additionally, entrance tests are held for admission to most PG courses and some UG courses (such as BCA, B.Sc. biotechnology etc.) and these marks are added for formation of the final merit list.
- Admissions are finalized at the counseling sessions held at the respective colleges

The admission process is reviewed periodically in the COD and academic council on need based criteria and based on the recommendations the admission process has been made easy by adoption of on-line filling of forms, self-attestation of documents.

Increased / improved access for students belonging to the following categories is ensured by strategies mentioned below:

- ❖   *SC/ST:* In addition to reserved seats, we have hostels specifically for students from this category and relaxation in eligibility criteria. Remedial classes are also organized for help to students in this category.

- ❖   *OBC :* Seats are reserved for students in this category from the non-creamy layer

- ❖   *Women :* Tuition fees are waived off for women candidates and a good number of hostel facilities are available

- ❖ *Persons with varied disabilities :* Seats are reserved for differently abled persons. We have also installed ramps etc. for their convenience. There is a provision for making a writer available for blind students during examination and they are given half an hour extra time to finish the paper. University central library has acquired a Braille typewriter for use by blind students.

- ❖ *Economically weaker sections :* fee concessions are extended to wards of non-income tax payers

- ❖ *Outstanding achievers in sports and other extracurricular activities :* Added weightage for such achievers is given at the time of admission

Number of students admitted in university departments in the last four academic years

Categories	Year 1 (2008-2009)		Year 2 (2009-2010)		Year 3 (2010-2011)		Year 4 (2011-2012)	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	4063	2010	4066	2136	5157	3034	8731	5975
ST	10425	4826	11578	5685	14589	8296	24862	14615
OBC	8521	5423	8781	5524	11474	7632	22110	16999
General	10323	12346	10135	12977	10291	12081	22591	26544
Others	-	-	-	-	539	873	202	160

Year-wise details are given below:

Details of Students enrolled for U.G classes (2011-2012)

S. No	Name of College	No. of student enrolled									
		SC		ST		OBC		Gen		Others	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	Constituent Colleges	539	145	655	114	1064	326	1269	717	166	135
2.	Affiliated college	6545	4755	21317	12749	17623	13489	16977	18719		

Details of Students enrolled for P.G classes: (2011-2012)

S.No	Name of College	No. of students enrolled									
		SC		ST		OBC		Gen		Others	
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
1.	Constituent Colleges	249	81	201	68	404	196	547	576	36	25
2.	Affiliated colleges	1388	990	2683	1681	3010	2981	3779	6490		

Details of Students enrolled for other courses: (2011-2012)

Name of College	Course									
	Diploma					Certificate				
	SC	ST	OBC	Gen	Other	SC	ST	OBC	Gen	Other
Social Sciences and Humanities	05	04	18	68	06	04	07	07	12	-
Law	11	02	18	36	02	-	-	-	-	-

Details of Students enrolled for Ph. D (2007-2012)

Name of College	No. of Students Enrolled							
	SC		ST		OBC		Gen	
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
Univ. College of Science	18	12	10	4	38	18	215	175
Univ. College of Commerce & Management Studies	5	7	2	-	5	8	131	195
Univ. College of Social Sciences and Humanities	36	24	58	21	60	27	260	326
Faculty of Law	8	-	2	-	9	1	26	13
Faculty of Education (only in affiliated colleges)	2	1	4	1	7	6	46	50

Detail of degrees awarded (2011-2012)

S.No	Faculty	Degree	Total. No
1.	Science	U.G	2069
		P.G	662
		Ph.D	51
		Diploma	239
2.	Social science and humanities	U.G	14204
		P.G	6125
		Ph.D	54
		Diploma	22
3.	Commerce & Management	U.G	4060
		P.G	1349
		M.Phil	09
		Ph.D	28
		Certificate	21
		Diploma	30
4.	Law	U.G	312
		P.G	
		M.Phil	-
		Ph.D	02
		Diploma	
5.	Education	U.G	7767
		P.G	65
		Ph.D	15
		Diploma	209

Details of fellowship received /awarded (2011-2012)

S.No	Type of Fellowship	Agency	Faculty	Amount
1	J.R.F.-15	U.G.C.	Science	Rs. 2700240/-
2	R.G.N.F. -10	U.G.C.	Science	Rs. 4775183/-
3	Minority-18	U.G.C.	Science	Rs. 2131317/-
4.	R.G.N.F.-24	U.G.C.	Social Sciences & Humanities	Rs. 5068800/-
5	J.R.F.-20	U.G.C.	Social Sciences & Humanities	Rs. 4224000/-
6.	S.R.F.-03	U.G.C.	Social Sciences & Humanities	Rs. 669600/-
7	J.R.F. -03	C.S.I.R.	Social Sciences & Humanities	Rs. 633600/-
8	P.D.F.-03	U.G.C.	Social Sciences & Humanities	Rs. 633600/-
9.	J.R.F.-01	I.C.S.S.R.	Social Sciences & Humanities	Rs. 211200/-
10	J.R.F.-01	U.G.C.	Law	Rs. 211200/-
11	S.R.F.-01	U.G.C.	Law	Rs. 237600/-
12	R.G.N.F.-01	U.G.C.	Law	Rs. 211200/-
13	R.G.N.F.-02	U.G.C.	Commerce	Rs. 422400/-
14.	J.R.F.-05	I.C.S.S.R.	F.M.S.	Rs. 1056000/-
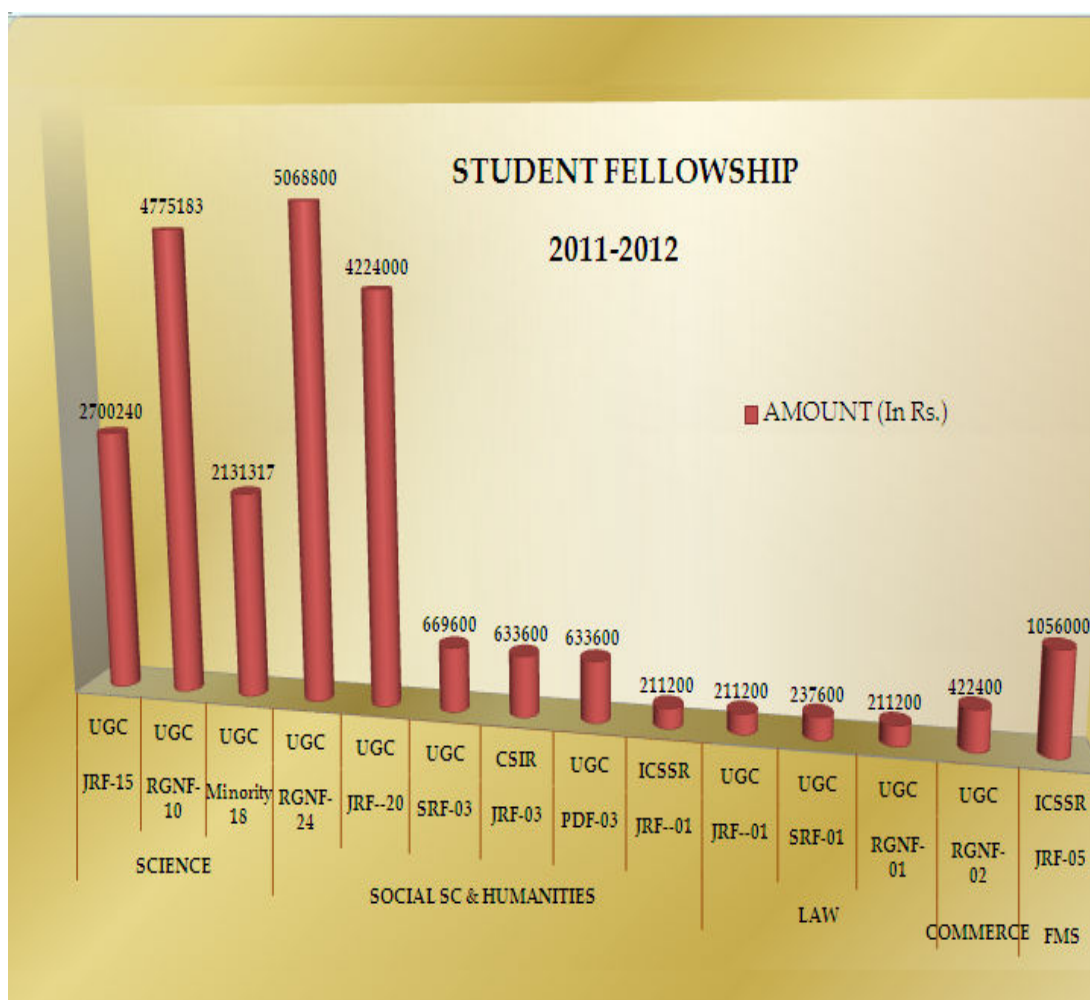
From the graph given above, it can be seen that a large number of our Ph.D research scholars possess prestigious fellowships from various funding agencies.
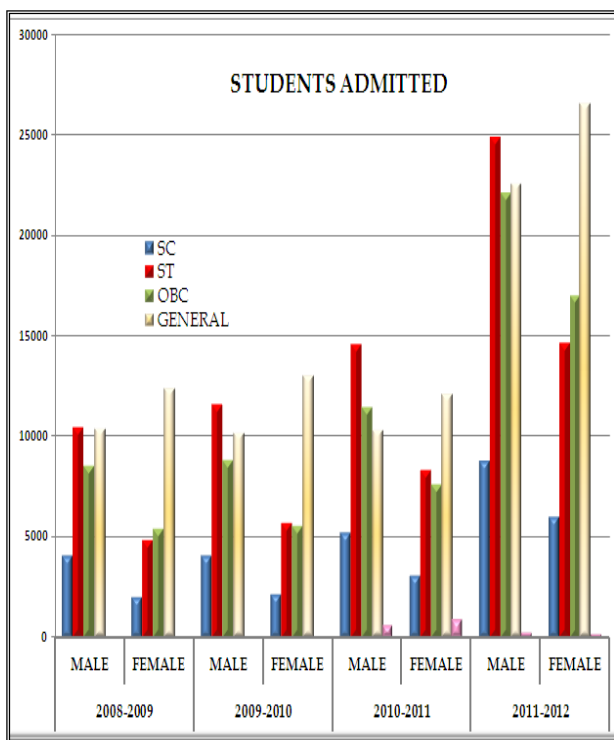
The displayed graph shows that the overall number of students of all categories has been steadily increasing.

Two noteworthy features are:

- Students from the ST category are the greatest in number

- No. of female candidates who have taken admission are also nearly on par with the males across all categories for all the 4 years

The university has thus been successful in fulfilling its mandate and commitment to students from tribal and weaker backgrounds

Based on the demand ratio for various programmes of the university departments and affiliated colleges, increase in the number of seats to these courses with an upper limit of 10% of the existing strength is made. Year-wise compilation of demand ratio is given below:

2008-2009

Programmes	Number of applications	Number of students admitted	Demand Ratio
UG	1907	1841	1:1
PG	1539	1060	1:0.7
M.Phil.	307	209	1:0.68
Ph.D.	38	38	1:1
Certificate	49	37	1:0.75
Diploma	161	78	1:0.5

2009-2010

Programmes	Number of applications	Number of students admitted	Demand Ratio
UG	5377	1786	1:0.33
PG	1783	860	1:0.48
M.Phil.	75	73	1:97
Ph.D.	87	87	1:1
Certificate	24	24	1:1
Diploma	198	178	1:0.9
PG Diploma	20	20	1:1

Programmes	Number of applications	Number of students admitted	Demand Ratio
Any other (M.Sc. tech. geology)	16	14	1:0.87

2010-2011

Programmes	Number of applications	Number of students admitted	Demand Ratio
UG	4929	3208	1:0.65
PG	1766	1418	1:0.8
M.Phil.	27	27	1:1
Ph.D.	113	113	1:1
Diploma	84	84	1:1
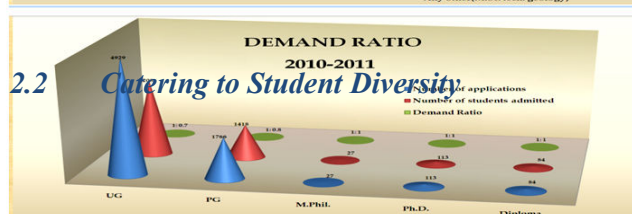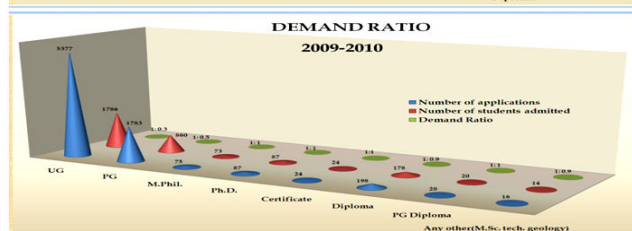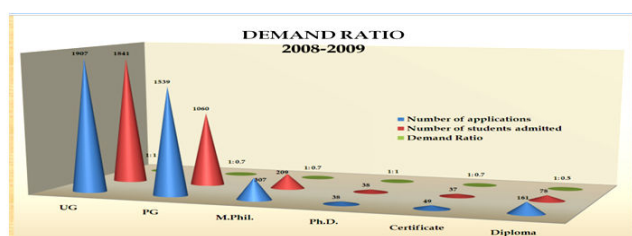
- This figure shows that the number of application is far more than the number of available seats in all courses.

- Looking at the demand ratio for all courses, sanction from the state government should be sought.

- logistics regarding the infrastructure/faculty/facilities/equipment/consumables etc. arising due to the increased demand of seats should be worked out

2.2   *Catering to Student Diversity*

On admission, new students are made aware of the expectations, rules and regulations, facilities etc. at the departmental/college level by the Head of Department/Dean. One week long orientation programs are organized at the PG level in several courses where experts from various fields like education, soft-skill development, entrepreneurs, subject experts, administrative officers etc. address the students. While the university does not have a formal mechanism for such an analysis before the commencement of classes, the differential needs of the students are definitely addressed as the course progresses mostly by special counseling, tutoring/mentoring and other such help. Remedial courses are successfully conducted in the university for students from weaker sections of the society. Several departments also have add-on courses.

A major ICSSR sponsored research project on education status of scheduled castes in Rajasthan is being conducted by the university to study the academic growth of students from disadvantaged sections of society. This study is expected to identify problems specific to SC students and recommend policy measures. The university identifies advanced learners mostly through their response in class, dexterity in problem solving

sessions, formal tests, seminars etc. These students are given additional/more complex assignments/seminars. They are also encouraged to mentor younger students. The university also encourages such students to present their work at seminars/conferences and/or publish their findings in journals especially at the PG level.

2.3   Teaching-Learning Process

The teaching, learning and evaluation schedules are planned and organized by the university plans through the following steps:

- The academic time table of the university is planned in advance and printed in the information bulletin.
- A well spread out time table (total duration 7 hrs) with adequate no. of hours allotted to theory, practical, tutorial etc is prepared at the beginning of each session and is strictly adhered to.
- Uniform guidelines which include paper format, marks distribution etc. are formulated for evaluation of the theory and practical papers.
- These guidelines are sent to constituent and affiliated colleges and evaluation is done accordingly.
- The committee of courses proposes at least six names for examinership/paper out of which two are chosen. A model paper with all guidelines is sent to the examiner for setting the paper.
- Many courses at the PG level put up the teaching plan of papers of the course which includes the text book for each topic.
- The syllabus for each paper is available both on the university web site and as printed booklets.
- Each paper is divided into five units and the examination pattern is such that the examiner has to set questions which covers the entire syllabus.
- The number of credit hours etc. for theory and practicals are clearly specified in the syllabus.
- It is ensured that each course covers the number of hours prescribed by the UGC.
- The amount of course covered is monitored from time to time through meetings at the departmental committee level.

Usually the curriculum is completed within the stipulated time frame and calendar however if due to some unforeseen reason it does not then extra classes are held to make up for the lost time.

Faculty-student interaction is a key feature for making learning student centric. Students are encouraged to give seminars, presentations and submit projects related to the topics present within as well outside the syllabi but related/relevant to the subject. Quiz, essay writing, and other such activities are organized at the department level. Almost all departments use smart boards and faculty uses power point presentations as a medium of imparting knowledge. A well established computer lab with internet access is available for the students in each department as well as in the central library.

Holistic development of students is ensured by holding cultural and sports events and through regular educational tours conducted to expose the students to industry, research institutes etc. Tree plantations and other such environment friendly activities are organized regularly to encourage awareness about conservation of natural resources.

Socially relevant activities under the NSS scheme encourage development of teamwork and social consciousness while participation in NCC inculcates a deep sense of duty, discipline and patriotism in students. All colleges and departments are encouraged to invite experts / people of eminence to deliver lectures and/or organize seminars for students. The university has a provision for providing financial aid for holding seminars. An honorarium is paid to the expert for delivering a lecture and reimbursement of TA-DA is made as per the rules.

A well established computer lab with internet access is available for the students in each department as well as in the central library. Almost the entire campus is wi-fi enabled and

the university has a rich database of e-books which is freely available to the students, research scholars and staff. The university also participates in the INFLIBNET program. Most PG departments have smart boards for classroom teaching. A rich database of e-books is freely available to the students, research scholars and staff which can be accessed through an official password. A group of people from the university computer centre, department of physics and mathematics work towards promoting and monitoring the use of open source community based software which greatly benefits the university's educational processes.

Robust inter and intra nets facilitated through WiFi exists in the university campuses. Each teacher has access to computers/computer labs in their departments or at the library. In addition to this, personal laptops/PC have been allotted to atleast 80% of the faculty. The university also participates in the INFLIBNET program so that teachers have access to a vast pool of e-learning content. Most departments also have LCD projectors/smart boards which are routinely made use of by teachers.

Academic, personal and psycho-social guidance to the students is available through the following:

- The university appoints senior professors as Dean student welfare as well as Chief proctor who take care of student problems, provide guidance and counseling,

manage cultural and sports activities as well as ensure smooth and fair conduction of student elections.

- Apart from this every college has formal posts of proctors, and assistant dean student welfare to assist the Dean in managing student problems, provide guidance and counseling, manage cultural and sports activities as well as ensure smooth and fair conduction of student elections.
- An anti ragging committee is constituted every year to ensure that the campus remains ragging free.
- A committee has been constituted to look into matters of harassment of women.
- The university has an SC-ST cell to look after the rights of students from this category.
- The university has a skill development centre to inculcate soft skills in students.
- Competitive exam coaching centre has been constituted to help, provide guidance and coach students for appearing in competitive exams like civil services, PSC, PMT, PET etc.

The following innovative teaching approaches/methods/practices have been put to use by the faculty to improve learning:

- Teachers are making extensive use of smart boards and power point presentations.
- Students are assigned projects which require extensive research which not only enriches their subject knowledge but also imparts comprehension and good writing skills.
- Student seminars are held regularly which is instrumental in soft skill development and sets the stage for the student to face future interviews/public fora successfully.
- Students are encouraged to interact with research laboratories to encourage them to opt for a research oriented career in their chosen subject.
- Improvement in the grades obtained by the students in the seminars, projects etc. on progression in the course is a reflection of the impact of such practices.
- Efforts by the faculty are acknowledged atleast twice a year when achievements of the faculty are enumerated on 15th August and 26th January.
- Also, under the new UGC guideline, such innovative efforts are also taken into consideration during the recruitment/promotion etc.
- Scientific temper among the learners is fostered by giving assignments and projects which involve literature survey, design of experiment, development of methodology, practical work and critical analysis of results.
- Projects are compulsory at the PG level in science and 80-90% of projects are executed within the university, often in tandem with research groups.

Some external institutions like PRL, IUCAA are associated with the university for student project work. Students from other institutes like University of Rajasthan, IISc, BIMTECH, Amity University etc. Students from University of Rajasthan, National University, Jaipur, Satyabhama University, Chennai, Apex institute of technology, Jaipur, Gyan Vihar School of P.G. Studies, Jaipur, Seedling Academy of Design Technology and Management Jaipur, Modi institute of management and technology, Kota university, Amity University, Noida, Jaipur National University, Jaipur have done projects/training in Dept. of Botany. Students are assigned to each teacher in a department for mentoring the projects and getting the bulk of the experimental work done in their research laboratories.

The university has a well qualified faculty to meet the requirements of the curriculum. Although ~20% of the sanctioned posts are yet to be filled, where necessary, course requirements are met by deputing research scholars/RA (not more than 3 classes) who are receiving financial assistance in the form of scholarships from agencies like UGC, CSIR, DST etc. In addition to this, extra workload is taken care of by guest faculty/extension lectures.

2.4   Teacher Quality

A systematic process of recruitment is followed for managing the human resource required for meeting the changing needs of the curriculum as described:

- Recruitments are made against those posts which fall vacant due to retirement or other reasons.

- During recruitment the university tries to ensure inductance of those people with ample experience in both research and teaching.

- At present, because of this policy, more than 91% of the faculty are Ph.D degree holders who are actively engaged in high quality research and so are able to identify and keep up with the current needs of the changing curriculum.
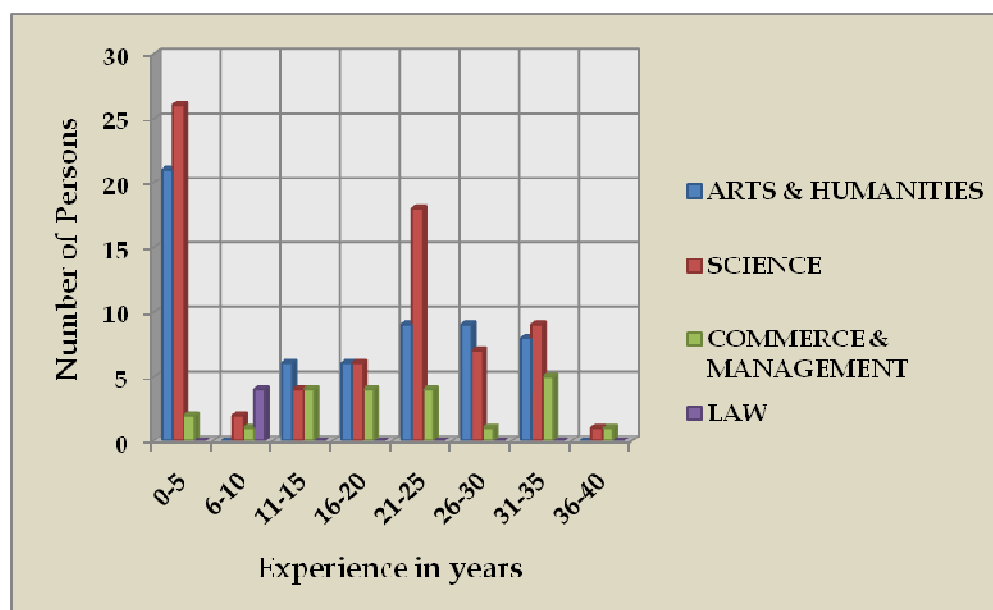
- As and when new courses are added, permission is sought from the government to create required number of new posts and recruitment is made in due course.

- This creates a mixed pool of teachers with varied years of experience in teaching UG/PG courses as evident in the graph given above.

- The existing faculty with years of experience behind provide leadership/guidance and mentoring whereas new recruitments usher in new ideas, energy and

enthusiasm and are already attuned to current demands vis a vis changes in curriculum.

- Besides this, faculty are encouraged to attend specialized training/workshops etc. to update their knowledge in order to meet the changing requirements of the curriculum.

❖ *Details of the faculty*

Highest Qualification	Professors		Associate Professors		Assistant Professors		Total
	Male	Female	Male	Female	Male	Female	
D.Sc./D.Litt.	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Ph.D.	50	11	21	16	22	22	142
M.Phil.	-	-	-	-	-	1	1
PG	-	-	-	-	9	3	12
						Total No. of Faculty =	155
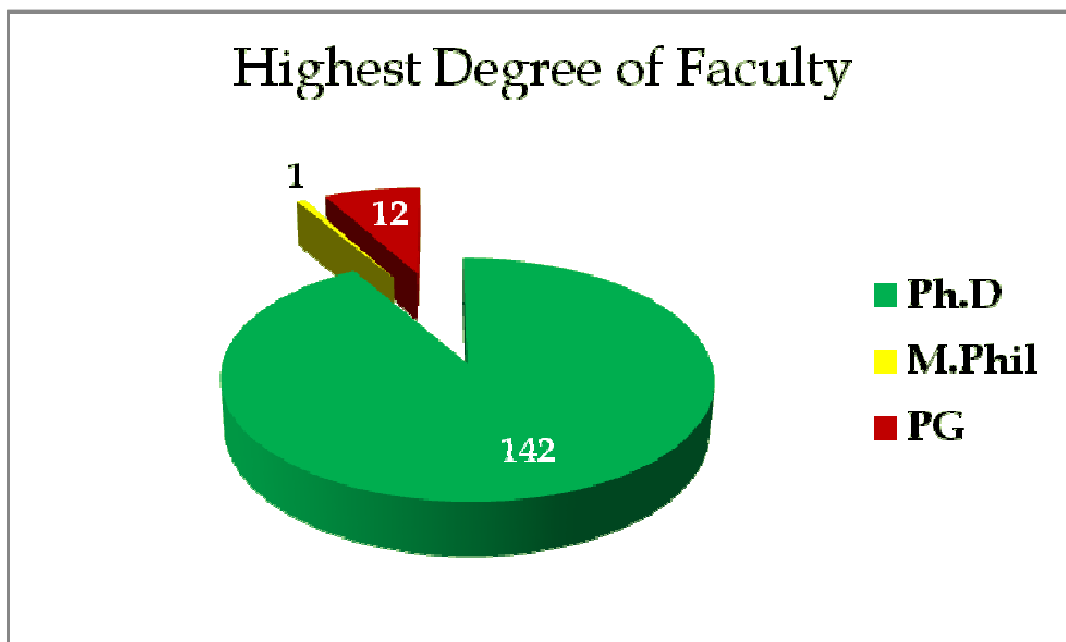
As evident from the plot and the table, maximum faculty are highly qualified and possess a Ph.D degree.

❖ *Diversity in faculty recruitment*

Department	% of faculty from the same university	% of faculty from other universities within the State	% of faculty from universities outside the State	% of faculty from other countries
Acctt. Stat.	70	30	0	0
Banking & Bus. Eco	0	60	40	0
Biotechnology	100	0	0	0
Botany	43	57	0	0
Business Administration	70	30	0	0
Business Management (MBA)	16	68	16	0
Chemistry	27	67	6	0
Computer Science	100	0	0	0
Economics	60	20	20	0
English	30	70	0	0
Environmental Science	75	25	0	0
Geography	33	33	33	0
Geology	100	0	0	0
Hindi	50	50	0	0
History	50	75	25	0
Jainology & Prakrit	50	0	50	0
Journalism	100	0	0	0
Law	50	50	0	0
Library &Information Science	0	50	50	0
Mathematics & Statistics	38	50	0	12
Music	100	0	0	0
Pharmacy	0	20	80	0
Philosophy	40	0	0	0
Physics	18	55	27	0
Political Science	33	33	33	0
Polymer Science/Industrial Chem	50	50	0	0
Psychology	66	33	0	0
Public Administration	33	67	0	0
Rajasthani	100	0	0	0
Sanskrit	66	34	0	0
Sociology	100	0	0	0
Urdu	0	33	66	0
Visual Arts	100	0	0	0
Women Studies	0	0	0	0
Zoology	45	45	10	0

Diversity in faculty recruitment

- % of faculty from the same university
- % of faculty from other universities within the State
- % of faculty from universities outside the State
- % of faculty from other countries
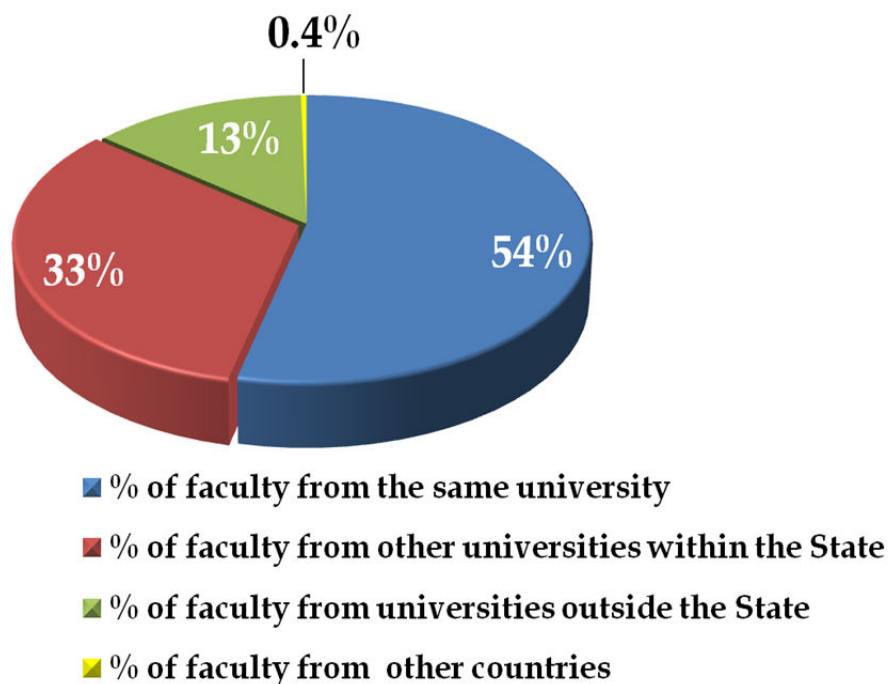
To ensure that qualified faculty are appointed for new programmes / emerging areas the eligibility conditions specify the necessity of specialization in the particular subject at least at the research level. The selection process at the entry level is based on written test, API score and interview and selection of Associate Professors and Professors is made on the based on the API score with an emphasis on an excellent academic record.

The government policy does not permit having Emeritus / Adjunct Faculty / Visiting Professors on the rolls but remuneration is made to such faculty on per hour basis. Apart from this if any faculty has been sanctioned any project from a funding agency such as UGC. CSIR etc. they are provided with the necessary space and infrastructure to pursue their project. At present there is one visiting Professor in Department of Accounts and Business Statistics and one retired professor is working as BRNS fellow in department of botany.

Academic recharge and rejuvenation of teachers is ensured by providing travel grants, nomination to national/international conferences/seminars, in-service training and organizing national/international conferences etc. Attending at least one orientation and two subject specific refresher courses are mandatory for Assistant Professors for promotion to senior and selection scale.

All teachers are strongly urged to apply for research grants and the university undertakes and ensures that proper facilities like sitting/laboratory space, computer/internet facilities.The following table lists the number of faculty who have received awards/recognitions for excellence in teaching/research at the state, national and international level during the last four years.

Faculty	No. of Awards
Science	17
Social Sciences and Humanities	26
Law	0
Commerce	3

The number of newly recruited faculty that have undergone staff development programmes during the last four years is listed in the table given below:

(❋ *Please note that new faculty recruitments had been done only one year back and so the number of people who have attended the staff development programs in the period of assessment are few – the freshly inducted people have yet to do it and the older faculty have already completed these before 4 years.*)

Department	Refresher courses	Orientation programmes	Staff training conducted by the university	Staff training conducted by other institutions	Summer / Winter schools, workshops, etc.
Acctt. Stat.	0	0	1	0	1
Banking & Bus. Eco	1	0	0	0	0
Biotechnology	1	0	0	0	2
Botany	0	0	0	0	4
Business Administration	0	0	0	0	2
Business Managmement (MBA)	1	0	0	0	1
Chemistry	1	0	0	0	2
Computer Science	0	0	0	0	3
Economics	0	0	2	0	5
English	0	0	0	0	3
Environmental Science	0	0	1	0	0
Geography	1	0	0	0	5
Geology	1	1	0	0	8
Hindi	4	4	0	0	4
History	1	0	0	0	3
Jainology & Prakrit	0	0	0	0	0
Journalism	0	0	0	0	1
Law	1	1	0	0	1
Library &Information Science	1	0	0	1	2
Mathematics & Statistics	1	1	1	0	4
Microbiology	0	0	0	0	0
Music	1	0	0	0	1
Pharmacy	1	0	0	0	0
Philosophy	0	0	0	0	1

Physics	1	0	0	0	8
Political Science	1	0	0	0	18
Polymer Science/Industrial Chem	1	0	0	0	1
Psychology	1	0	0	0	2
Public Administration	1	0	0	0	2
Rajasthani	0	0	0	0	0
Sanskrit	0	0	0	0	0
Sociology	0	0	0	0	2
Urdu	0	0	0	0	2
Visual Arts	0	0	0	0	0
Zoology	0	0	0	0	1
TOTAL	21	7	5	1	91

At least 60% faculty have been invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies and all have participated and presented papers in external Workshops / Seminars / Conferences recognized by national/ international professional bodies?

Faculty are invited to other institutes for special/invited lectures. Persons of academic eminence are also invited from other institutes, particularly ones with which the university has MOU's, for example, PRL, Ahmedabad, IIM (Udaipur) etc. for teaching specialized modules at the PG level. Such exchanges pave the way for better interaction with people with expertise in areas not present at the home institute, encourage students to join for research at our university and also help in setting up collaborative research projects.

2.5 Evaluation Process and Reforms

Since Mohanlal Sukhadia University is a state university, at the end of every session, annual report of the progress is sent to the administration through which the stakeholders (higher education department) are made aware of the evaluation processes that are in place. All the examination related details such as application forms, time-table, syllabus, model question papers, rules/regulations, grievance/feedback, results etc. are available on the university web-site and are continuously updated.

In the earlier pattern of examination, because the number of questions were limited, it was not possible to completely cover the entire syllabus during the setting of the question paper. Thus, a student could get good marks without an in-depth study of the entire syllabus. Moreover, the outcome of the evaluation depended to a good deal on factors such as handwriting and clarity of presentation and also on the personal perspective of the examiner which sometimes differed widely. Hence, the examination pattern has been revised from session 2011-2012. The present scheme of evaluation is based on dividing the question paper into two sections with equal weightage of marks.

The first section consists of 50 MCQ's widely spread over the entire syllabus. All questions are compulsory. The second section consists of ten descriptive questions (two from each of the five units of the syllabus) out of which the student has to attempt any five (one from each unit) to be answered in about 250 words. This pattern not only

increases the knowledge base but also prepares the students to successfully compete in most competitive exams (civil services, NET, GATE etc.) which also follow this scheme of examination.

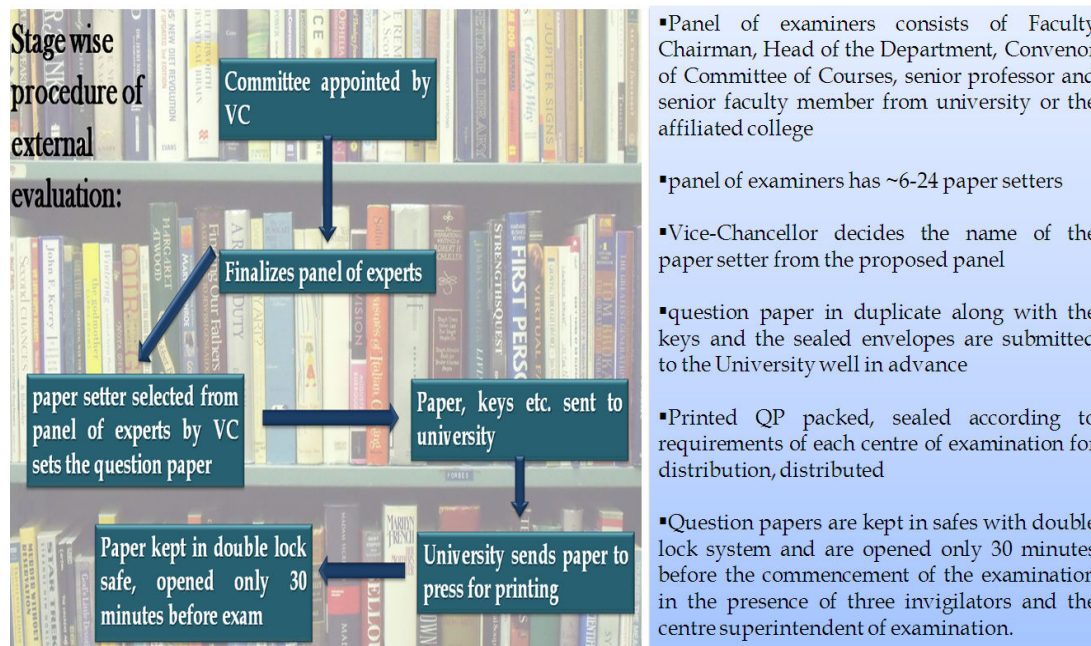University Website showing examination related details

The university has introduced a computerized bar-coded system of evaluation for improving transparency and to ensure confidentiality. There is an active system of redressal of student grievances in place and wide-spread computerization of the examination system has ensured that not only are the examinations held in time but also that the results are published in time too with minimal errors. Practical and internal marks are posted by the concerned departments/affiliated colleges online directly for speedy and accurate results. The university declares the results within two months of the last date of the examination. Examination results are published in newspapers and displayed on university web-sites.

The university has an integrated examination system which is responsible for all three stages, viz., the pre-examination, examination and post-examination processes.

- Pre-examination processes like time table generation, preparation and distribution of OMR and attendance sheets, student list generation, fee collection etc. are done by the examination section.

- Assignment of invigilators and local flying squads are delegated to the colleges while the university assigns general flying squads consisting of members from various constituent/affiliated colleges for verification of correct implementation of examination procedures at the various colleges (both constituent and affiliated).

- The examination section also has a well-run system to ensure the timely delivery of examination material like question papers/answer books/OMR/ etc. during the period of conduct of examinations.

- Post-examination process like Attendance capture, OMR-based exam result, generic result processing, certification, etc. also follow a well defined university protocol to ensure quick publication of results with minimal error.

Stage wise procedure of external evaluation:

Stage wise procedure of external evaluation:

Committee appointed by VC → Finalizes panel of experts → paper setter selected from panel of experts by VC sets the question paper → Paper, keys etc. sent to university → University sends paper to press for printing → Paper kept in double lock safe, opened only 30 minutes before exam

- Panel of examiners consists of Faculty Chairman, Head of the Department, Convenor of Committee of Courses, senior professor and senior faculty member from university or the affiliated college

- panel of examiners has ~6-24 paper setters

- Vice-Chancellor decides the name of the paper setter from the proposed panel

- question paper in duplicate along with the keys and the sealed envelopes are submitted to the University well in advance

- Printed QP packed, sealed according to requirements of each centre of examination for distribution, distributed

- Question papers are kept in safes with double lock system and are opened only 30 minutes before the commencement of the examination in the presence of three invigilators and the centre superintendent of examination.

- Barcoded answer books received from centres are despatched for evaluation by using a computerized dispatch system where identity of examiners and subject/papers etc. are hidden from university staff using a examiner code and random pick up method for answer book packets

- Answer books are evaluated by the examiner by putting serial number on each answer books and posting marks for each question in the space provided on the flaps. A duplicate copy of award (serial number of the answer books vs marks) is also prepared on OMR award sheets.

- Results are prepared by reading marks and student information from barcoded flaps of answer books and marks posted in the final result are compared with marks posted from duplicate award sheets independently by an audit team to double check final marks.

»The left hand side of the barcode stickers contains readable information for verification like roll number, centre code, subject and subject code.

»This part is then hidden under the holocraft sticker as shown in the sample examination copy.

»As is evident from the picture, complete confidentiality regarding the identity of the student and also the examination centre is thus ensured.

»False numbers are inserted on the main cover and the flap to be detached and marks are entered in the space provided on both sides of the perforations (shown here as green, dashed lines)

» The flap containing the barcode is detached along the perforation and sent for entry.

Reforms in Ph.D program

The university has adopted the UGC 2009 guidelines for Ph.D program wherein the students have to appear for a written test in their respective subjects. The dates for the examination which is held twice a year is put up on the university web site and also in newspapers well in advance. The vacant seats along with the specialization available for each supervisor are also mentioned on the web site. Candidates who have cleared the entrance exam are called for an interview by a research board consisting of the head of department, senior professor, vice chancellor's nominee and the prospective supervisors. Index marks are assigned to each candidate based on marks obtained at the secondary, higher secondary, UG, PG, entrance test and interview. Additional weightage is given for candidates who have qualified for NET, SLET, GATE and who have publications, research/teaching experience etc. On the basis of these index marks and order of preference of supervisors and vacancies, candidates are assigned supervisors. The registered students have to undergo one year's course work consisting of Paper I (Research Methodology) and Paper II (topic specific review of literature) and qualify in the examinations held for each with a minimum of 50% pass marks.The candidate has to present the synopsis in front of the departmental committee. Following the approval of the departmental committee, the student has to present the synopsis in front of the PG research board which finally approves the synopsis.

The PG research board consists of the following members:
- Vice Chancellor
- Dean, Post graduate studies
- Faculty Chairman
- Head of Department
- Senior professor of the department
- One external subject expert
- The supervisor

The student has to submit 6 monthly reports. However the annual report has to be first presented before the departmental committee and submitted to the Dean PG office after incorporation of any corrections suggested by the DC. The student has to present a draft thesis which has to be approved by the DC following which the student is permitted to submit the thesis. It is mandatory for the student to publish atleast one paper in a peer reviewed journal which is also included in the thesis. Only the name of the faculty and university appear in the degree certificate.

There is central grievance committee comprising of Chairmen of all the Faculties, Controller of Examination and nominee of the Vice-Chancellor which meets from time to time for redressal of all the issues pertaining to examinations. In addition to this students can apply for scrutiny of marks awarded to them and re-evaluation of their answer scripts. The university even provides the answer books under demand of RTI for total transparency. An on-line grievance monitoring system is also in place along with the concealed evaluation system to dispose of the grievances from students about the results. On-line registration of the grievance allows the generation of a report consisting of all information about the candidate available on the database. It also allows monitoring the progress of disposal of grievance by the examination section. The software also allows monitoring the workflow in the examination section of the university

The University has computerized most of the examination work by following computerized Barcode system for improving transparency and to conceal identity of candidates from examiners. The following enumerate the various processes followed in the system.

(a) Pre-examination processing
(b) Barcode system
(c) Computer based answer book dispatch System
(d) Bar coded awards
(e) Result processing and publishing.

In the above system, except one or two confidential staff, neither an examiner nor any other university staff are in a position to identify the answer book of a particular candidate. Paper-wise answer books packets are randomly picked up by the software and examiners are allotted randomly from a duly approved panel of examiners. The student data are read from barcodes on answer book cover sheets using machine and corresponding marks are posted.

Results are prepared and in the final stage, marks are compared with a database of marks independently prepared from OMR based duplicate awards to ensure marks awarded are correct making the result processing not only much faster than conventional methods but also more accurate. Access to answer book storage and dispatch area, computer room etc are controlled through a smart card based access control system. All these area are under the CCD camera & DVR based surveillance system for a secured transparency and accountability. University uses multicolored mark sheets with security features like UV readable signatures, MICR numbering etc. for printing the results. Results are also published in detail on the web site.

2.6. Student Performance and Learning Outcomes

GRADUATE ATTRIBUTES OF THE UNIVERSITY

The university has clearly articulated graduate attributes for its students to fulfill its Mission and Vision as given below:

1. Rational and in-depth knowledge of the individual discipline since the university firmly believes that luck is nothing but preparedness meeting opportunity. These include the following:

   - Comprehensive theoretical and applicatory discipline related knowledge
   - Ability to find, discern, evaluate and use information – not just confined to one's own discipline but also for an inter-disciplinary approach
   - Translate the acquired knowledge/skills effectively and productively in the workplace

2. Produce self-confident, reliable and articulate graduates which includes the following attributes:

   - Good communication skills (written and oral)
   - Capacity for critical debate
   - Capacity to comfortably and routinely use ICT tools

3. Deep sense of commitment to the environment and a sense of social responsibility. In view of the large number of students who come from tribal and underprivileged back grounds, the university expects the following :

   - Realization of the individual's responsibility in protecting and conserving the environment
   - Careful, sparing use of resources without wastage
   - Contribution to the community/region of origin by dissemination/application of acquired knowledge and skills

4. India has a unique position in the world due to the great, vibrant diversity present among its people. In order to be able to give priority to the welfare of the nation as a whole, the university expects its graduates to understand and respect the rights, languages, practices and beliefs of other people thus enriching their own lives and becoming exemplary, productive citizens.

The faculty are made aware of graduate attributes as a matter of course through various discussions especially related to course/curriculum design which not only depends on the main examination for testing a student's understanding of discipline related knowledge also but also through tutorials, assignments, quiz, group discussion, seminars etc. These ensure a critical understanding and more importantly application to real-life situations for problem solving. Since many of the learning outcomes include higher level cognitive abilities, MCQ and application types of questions are included in the question paper to ensure the achievements of these learning outcomes. The student centric teaching and learning method also ensures the achievement of learning outcomes. Moreover, the student learns to express himself/herself persuasively without being defensive/offensive

by writing and orally. Introduction of CBCS, interdisciplinary and integrated courses provides give greater scope to hone the knowledge skill thus improving career options. The orientation talk conducted at the departmental level for PG students and at the subject level by teachers for UG students both at the university and affiliated colleges ensure that the students are made aware of the stated learning out comes. Through observation of motorized vehicle free campus second Saturdays, ensuring green belts in the various campuses, large scale tree plantation through individual initiatives at the university college level and under the aegis of NSS/NCC, community activities, workshops, seminars etc. a sense of environmental consciousness and social responsibility is inculcated in students. Research required for assignments/projects ensure the extensive use of ICT facilities which are ample in the university.

Criterion III: Research, Consultancy and Extension

3.1   Promotion of Research

The university has a cell for research and development and specialized research centers such as Inter University Resource Centre for Astronomy and Astrophysics (IUCAA) data centre with high computing capabilities, AAQMS Centre in collaboration with Indian Institute of Tropical Meteorology (IITM) for automatic weather monitoring station on-campus., Radio Astronomy centre with two element Radio interferometer on-campus to enhance the facilities, Population Research Centre, UGC centre for Women's studies, Centre for human rights studies, Centre for Buddhist studies and non-violence, Centre for Nehru studies etc. which promote research as well as training and teaching. The UGC Centre for Nehru Studies has been in existence for more than five years and offers courses on Nehruvian thought and contribution. It has organized a number of seminars, extension lectures and workshops. The Centre for Human Rights and Duties offers a post graduate diploma course and also promotes research and training for civic awareness and capacity building. The Centre of Initiative for Innovation and Development Action was established in 2010 with support from Ministry of Rural Development-GOI. It has organized workshops and conducted Impact assessment studies.

Active involvement of faculty is encouraged in form of administrative and financial support for formulation of research proposals, cost of publication, organizing seminars/ workshops, granting leave etc., and various departments of the University have organized 46 National/International seminars/conferences/workshops. Research in affiliated colleges is encouraged by providing guidance in the form of workshops, common PGRBs.

The PG Research Board consisting of following members is responsible for monitoring eligibility, content/quality of synopsis, etc. :
a)   Vice-Chancellor   Chairperson

b)   Chairman of the Faculty
c)   Senior professor of the subject
d)   Head of the Department
e)   External Expert
f)   Concerned faculty member
g)   Dean, Post Graduate Studies   Member Secretary

Further, separate Advisory Committees constituted as per norms of the funding agencies are also responsible for monitoring major research programmes like DSA, DRS, COSIST, FIST etc.

Ph.D course work and evaluation process are conducted by the university through the office of the Dean, PG studies. Research in constituent colleges is promoted in the following way:

- By encouraging and providing financial support for formulation of Research proposals
- By providing financial support towards the cost of publication if any.
- By organizing orientation workshops
- Holding project meeting of PI's and administration
- By encouraging holding Project Advisor committee meeting of various funding agencies
- Giving financial assistance for research in the form of Projects.
- By providing financial assistance for undertaking journey to various organizations, training programmes, refresher courses, attending national and International Symposia and for undertaking field trips.
- By providing financial assistance towards organization of Workshops/Seminars/Symposia/Conferences etc.
- By providing liberal duty leave for research related work.

The proactive mechanisms adopted by the university to facilitate the smooth implementation of research schemes/projects are as follows:

- Advancing funds for sanctioned projects
- Providing seed money
- Simplification of procedures related to sanctions / purchases to be made by the investigators
- Autonomy to the principal investigator/coordinator for utilizing overhead charges
- Timely release of grants
- Timely auditing
- Submission of utilization certificate to the funding authorities

The academic capability and potential of the university has been recognized by reputed institutes like PRL, CDRI, BARC, NCL, CIMAP etc. and some of them have signed MOUs for collaborative research with the university. Case in point is the arrangement between MLSU and PRL through which students of PRL are registered for Ph.D with MLSU. Researchers from MLSU utilize the research facilities, PG students go for summer workshops, the faculty from PRL give extension lectures etc. Physics department also has collaborative projects with UGC-DAE Indore, IUCAA Pune and faculty members have joint publications in high impact journals. The international collaborations

of physics department include interaction with University of Warwick, UK, University of Warsaw (Bialystok), Himeji Institute of Technology, Japan, Japan Synchrotron Radiation Research Institute, Japan, University of Uppsala, Sweden, Management Development & Consultancy Singapore, Faculty of Economic and Business Administration, University of Applied Science (SUAS), Cologne, Germany.

The university has adopted a system by which newly recruited faculty require to undergo workshops to familiarize them with the working of the university, university policies, research facilities, prospects for inter-disciplinary research, research methodologies, statistical analysis, project proposal development etc. As a part of such an initiative, a 5 day rigorous training/orientation workshop was conducted for the newly recruited faculty was conducted in April, 2012.
Professors of eminence are regularly invited to give lectures/talks and to interact with research scholars, faculty and PG students. This paves the way for collaborative research between our university and other institutes and also allows us access to sophisticated facilities in other institutes.

Although there is no special budget earmarked for research from the university, support is provided as university scholarship to research students, purchase of minor equipment, chemical, glass-ware, providing access to e-journals, extensive internet facilities and investment in the necessary infrastructure.

Details of national/international conferences/workshops organized by the university

1. NAGI-Nov, 2007

2. National Seminar in Emerging Trends of Research in Geology with Special Reference to Northwestern India, January 2007 (UGC, DST)

3. National Conference on Environmental Sciences: November, 2007, organized by the Department of Botany

4. Symposium on "Organic Farming and Renewable Sources of Energy for Sustainable Agriculture", November, 2007.

5. India international Rubber conference and Expo. November, 2007.

6. Ethics and Aesthetics in Indian Literary Practices September 2008.

7. National Seminar on Ore body modeling for genesis, predictive metallogeny and resource analysis, December 2008 (MoES)

8. National Symposium on Plant Biotechnology for Conservation, Characterization and Crop Improvement on February, 2008.

9. 91st Indian Economic Conference, December 2008

10. 53rd ISLE Conference, December 2008.

11. Performing the Postcolonial: Imaging/Imagining India through Theatre, Film, Music and Dance January, 2008.

12. Hindi Natya Sahitya Aur Rangamanch , March, 2009

13. All India Students Symposium on Geology (GEOYOUTH – 2009), November, 2009

14. 18th National Symposium on Radiation Physics (NSRP-18) November, 2009

15. Diamond Jubilee National Seminar on Geology, Genesis & Resource Analysis of Metallic, Non-Metallic & Energy Minerals (Coal, Petroleum & Atomic Minerals, January, 2010.

16. 2nd All India Students' Symposium on Geology (GEOYOUTH – 2010), November, 2010.

17. International Conference on Folk and Herbal Medicines, November, 2010, organized by the Department of Botany.

18. National Seminar on "Utilization of Natural Resources: Prospects and Challenges", December 2010.

19. National Seminar on "Rural Tourism in India", February, 2010.

20. National Seminar on 'Democracy at Grassroots: Fifty years of Panchayati Raj in India' March, 2010.

21. Workshop on Human Rights and Development Issues in the TSP region of South Rajasthan, October, 2010.

22. First International Conference of Road Safety Vision- 2020, May, 2011

23. National Level Field Based Workshop on Litho-tectonic Controls of Mineralization, September 2011.

24. Refresher Course on Petrography & Ore Microscopy, November 2011.

25. 3rd All India Students Symposium on Geology (GEOYOUTH -2011), November, 2011 (MLSU).

26. National Seminar on 'Cultural Heritage in India with special reference to Rajasthan and its neighboring states', December, 2011.

27. National workshop on" Geo-spatial Tecnology:Innovations and Applications' November, 2012.

28. Samkalin Hindi Natak: Dashaa, Dishaa Aur Yugin Chetana (National), September, 2011.

29. Consultative Workshop on PESA 1996 January, 2011.

30. Smakalin Hindi Kavita : Vividha Sandhbha (National), March, 2012.

31. National Symposium on "Urban Futurology and Sustainability: Problems and Prospects" December, 2012.

32. SRBC, 2012 National Conference of the Society of Reproductive Biology and Comparative Endocrinology, 2012.

33. Workshop on Cultural Heritage, April, 2012

34. Promoting Prakrit Language & Literature by Shwetamber Sadhumargi Jain Sangh, July, 2012.

35. Seminar on Maha Kavi Kuvempu, October, 2012

36. Orientation Training on Field Geology, December, 2012.

37. National Workshop on Women Journalism in India, December, 2012.

38. Training Workshop for research investigators and supervisors for MGNREGA Impact assessment study, April, 2012

39. National Seminar on Globalization, Poverty and Human Rights, November, 2012

40. National Vedic seminar as Extension Activity on Contribution of Rajasthan to Vedic Studies and Tradition, December, 2012.

41. International Conference on "Perspective in Culture, Society and Gender in Subaltern Communities in South Asia, October, 2012.

42. 38th All India Sociological Conference on "Contemporary Indian Society: Challenges & Responses, December, 2012.

43. National Seminar on "Substantial Development through water Policies" February, 2012

44. National conference on bio-diversity and climate change, March, 2013.

45. International Conference on Ancient Indian Economy, February, 2013.
46. 19th ISCB International Conference on "Recent Advances and Current Trends In Chemical And Biological Sciences", March 2013

47. National Workshop on Scientific/Research Paper Writing, April 2013.

19th ISCBC International Conference - 2013
Recent Advances & Current Trends
In Chemical & Biological Sciences
2-5 March, 2013

Jointly organized by the Indian Society of Chemists and Biologists and the Department of Chemistry.

Scientists of international eminence in their field of expertise attended the conference. This included Prof. Anamik Shah, Prof. T.K. Chakraborty, Prof. Victor Kartsev, Dr. Cynthia J. Burrows etc.

3rd National Workshop on Scientific/Research Paper Writing April 05-07, 2013

Organized by national academy of Sciences, India (NASI)

8 interactive sessions discussing:
❖ different aspects of scientific paper writing
❖ journal selection
❖ plagiarism
❖ oral and poster presentations etc.

West Zone Vice Chancellors's Conference, July 29-30, 2011

The prestigious West Zone Vice Chancellor's Conference under the auspices of the Association of Indian Universities, New Delhi, from 29-30 July, 2011, was hosted by MLSU. Over 40 Vice-Chancellors of universities from the states of Rajasthan, Gujarat, Maharashtra, Chhattisgarh, Madhya Pradesh and Goa participated.

The theme of the conference was Higher Education in India: A Perennial Quest for Excellence". The inaugural session was aptly held in the historical and beautiful Darbar Hall (Conference Hall) of the Udaipur City Palace with Prof. C. P Joshi Union minister for Road Transport and Highways, Dr. Montek Singh Ahluwalia – Deputy Chairman-Planning Commission, Dr. Isher Ahluwalia – Chairperson of the High Powered Expert Committee on Urban Infrastructure and Services, Pankaj T. Chande – President of Vice Chancellors council, Lakshyaraj Singh Mewar – of the Maharana Mewar Charitable Trust as chief guests. Dr. Montek Singh Ahluwalia, delivered a lecture on 'Approach to Higher Education in the XII Five Year Plan'. The four technical sessions covered various aspects of Higher education focusing on the need to increase the enrollment, which is currently less than 20% of students who have passed the 12th standard, while maintaining quality of education. Special attention was paid to education for tribal population as four of the states (Rajasthan, Madhya Pradesh, Gujarat and Chhattisgarh) participating in the conference had a large percentage of tribal population.

Board of Research in Nuclear Sciences (BRNS), BARC meeting:

It is a matter of pride for MLSU that the 39th BRNS Basic Sciences Committee (BSC) meeting was held at this university (Department of Physics, 6-8th Sept. 2012). Although the main purpose of these meetings is to review progress of projects over Rs. 30 lakhs, grant extensions etc., the board chooses to hold them in institutes with researchers from various disciplines capable of submitting major projects to BRNS.

Faculty from the various science departments like botany, biotechnology, chemistry, zoology, polymer science, environmental sciences etc. and teachers from affiliated colleges were also present in addition to those from the physics department at the deliberations. A compilation of research publications was also released on the occasion. The BSC members asked for ideas for new projects from researchers in different

faculties, discussed the feasibilities and suggested some changes. Senior members of the BSC also made detailed visits of the different experimental laboratories in the Physics department and held an interactive session with research students.
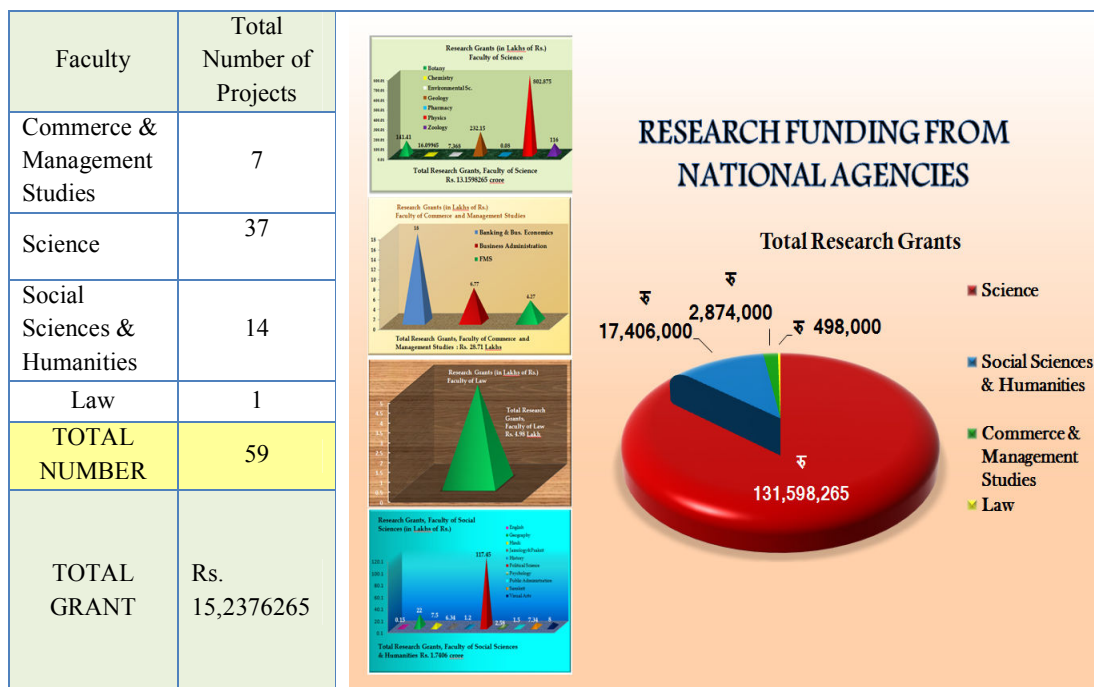
3.2   Resource Mobilization for Research

While the university does not earmark a separate budget for research, the faculty is encouraged to undertake applied research and file for patents with the help of funding agencies. Few faculty have applied for patents which are still under process. Details of funding received as departmental support and of ongoing/completed faculty research projects in the last four years are given in the table given below:

TYPE OF PROJECT/ SCHEME	NAME OF PROJECT	NAME OF FUNDING AGENCY	TOTAL GRANTS RECEIVED
FACULTY OF COMMERCE AND MANAGEMENT STUDIES			
BANKING AND BUSINESS ECONOMICS			
2 Minor Projects	1. A study of risk Management in Indian Banks	UGC	1 Lac
	2. Effect of Audio & Visual Instruments on Tribal people in Southern Rajasthan.	UGC	0.7 Lac
3 Faculty Major Projects	3. Impact of the TSP implementation on poverty and indebtedness in Southern Rajasthan	UGC	9 Lacs
	4. Leadership Qualities of women Executive in India and Thailand	ICSSR	3 Lacs
Total 5	5. Role of Information Technology to control NPAs in Banks	ICSSR	3.97 Lacs
BUSINESS ADMINISTRATION			
1 Faculty Major Project	Capacity Building & Leadership Development of Rural Tribal Women of Southern Rajasthan	UGC	6.77 Lac
FMS (MBA)			
1 Faculty Major Project	A Study of Applicability of Emotional Intelligence in Indian Higher Education System	UGC	4.27 Lac
FACULTY OF SCIENCE			
BIOTECHNOLOGY			
2 Faculty Major Projects	1. Diversity of lactobacilli associated with camel milk in Southern Rajasthan	UGC	9,68,800/-
	2. Diversity of metal-tolerent bacteria occurring in heavily polluted soil and mine spoil in Zawar, Udaipur (India)	DST	13,80,000
BOTANY			
2 Departmental Support Schemes	1. UGC-DRS	UGC	35 LACS
	2. DST-FIST	DST	40 LACS
3 Faculty Major Projects	3. Molecular and phytochemical characterization of Safed musli (Chlorophytum borivillianum Sant. Et. Fernand germplasm	DST	37 lacs
	4. Assessment of natural diversity in Annona squamosa using molecular markers	DST	22 lacs
	5. Development of herbal biocontrol agent against plant pathogenic fungi	DST	6.89 lacs
4 Minor (student projects)	6. Formulation of herbal biofungicide against storage fungi.	DST	15000
Total 9	7. Screening of food samples to Isolate Lipolytic Lactic Acid Bacteria	DST	15000

	8. Isolation of polysaccharide secreting bacteria from effluents of domestic and commercial food and beverage manufacturing units	DST	10000
	9. In vitro screening of plant extract for antifungal activity against ginger rot causing fungus Pythium aphenidermatum	DST	12000

CHEMISTRY

2 Departmental Support Schemes	1. Departmental special assistance	DST-FIST	4.00 Lacs
	2. Departmental Research Scheme	UGC	5.5 Lacs
1 Faculty Major Project Total 3	3. Degradation of organic pollutants using heterogenous photofenton reagent	UGC	Rs.6,59,965

ENVIRONMENTAL SCIENCE

1 Faculty Major Project	Effect of some common pesticides on the ultrastructutre and cytochemistry of Earthworms."	UGC	7,36,800

GEOLOGY

3 Departmental Support Schemes	1. Special Assistant Program (SAP-DRS-I)	UGC	42 lacs
	2. FIST Program	DST	44 lacs
7 Faculty Major Projects Total 10	3. Entrepreneurship Development Cell	DST	6,00,000/- per year
	4. Present Day Crustal Deformation in the Aravalli-Vindhyan Cratons, Constrained by GPS measurements.	DST	22,45,600
	5. Comparative study of Ostracoda from the Lameta Formation (Maastrichtian) of Jabalpur, Madhya Pradesh and Nand-Dingargaon Basin, Maharastra with respect to its age, affinity and palaeoecology.	DST	11,52,000
	6. A Study of Palaeogene Mollusca from Lakhpat Taluca, district Kachchh, Gujarat and Jaisalmer region, Rajasthan.	UGC	9,25,800
	7. Jurassic Ostracoda from the southern part of Mainland Kachchh, India with respect to their systematic, age, biostratigraphy, paleozoogeography and paleoenvironments.	DST	17,10,000
	8. Geomorpho-Tectonic Evolution of Kutchh (Gujarat)	DST	32,92,000/-
	9. Localization of Uraniferous zones along albitite line around Khandela in NDFB using microstructural techniques.	DAE	17,84,400/-
	10. Setting up, Operation and Maintenance of GPS stations	Ministry of earth science	29,05,200/-

PHARMACY

Minor 1	Student project	DST, Rajasthan	8000

PHYSICS

4 Departmental Support Schemes	1. DST-FIST (Level II)	DST	3 Crores
	2. UGC-DSA Scheme	UGC	1 Crore
	3. CAIPEEX	IITM, Pune	15 lac
	4. IUCAA resource Centre	IUCAA, Pune	4.5 lacs
23 Faculty Major Projects Total 27	5. Studies of transport magnetic properties and hyperfine fields in the half metallic ferromagnetic materials	UGC,	9.49 Lacs
	6. Study of Ionospheric Scintillations (UHF and VHF) and TEC at the crest of Appleton Anomaly	Dept. of Space Bangalore	6.75 Lacs
	7. Study of ionospheric scintillations (UHF and VHF) and TEC at the crest of the Appleton anomaly at Udaipur	Dept. of Space Bangalore	6.75 Lacs
	8. Study of Space Weather and Equatorial Spread F (ESF) using Total Electron Content (TEC) Measurements through A Network of Global Positioning System (GPS) Receivers (Phase-II)	Dept. of Space Bangalore	13.29 Lacs

	9. Compton profile study of some technologically important materials	DST	35.11 Lacs
	10. Compton spectroscopy and electronic structure of ceramics	UGC	6.10 Lacs
	11. Band structure calculation of some technologically important materials	CSIR	14.00 Lacs
	12. Study of electronic structure of spinel ferrites by resonant photoemission and Compton spectroscopies	UGC-DAE CSR, Indore	8 Lacs
	13. Electronic and magnetic properties of functional materials using Compton scattering	DAE-BRNS	25.00 Lacs
	14. Charge and magnetic Compton profiles of some alloys and compounds.	DRDO Delhi	29.24 lacs
	15. Energy dispersive experiments using gamma-rays: Phase II	DST, New Delhi	21.44 Lacs
	16. Study of spectral and temporal properties of X-ray Binaries	ISRO	8.50 Lacs
	17. Cloud aerosol interaction and precipitation enhancement experiment	IITM	16.00 Lacs
	18. Study of hyperfine fields in Fe-TM-AI Films and multilayer	UGC-DAE CSR, Indore	3.0 Lacs
	19. Magnetic properties of bulk and nano-sized ternary intermetallic materials for spintronics applications	UGC	10.48 Lacs
	20. Magnetic properties in Co-based multilayer systems	UGC-DAE-CSR Indore.	4.00 Lacs
	21. Magnetic and transport properties of functional nanosized Fe and Cr based spinels	DAE-BRNS	21.53 Lacs
	22. Development of Synthetic Fresnoite ($Ba_2TiSi_2O_8$)	UGC	7.78 Lacs
	23. Studies of Regional Features of Atmospheric Aerosols, Total Carbonaceous Aerosols & their role in Atmospheric Radiation Forcing Effects over Tropical Semi – Arid Location i.e. Udaipur , Western Region Part of India	ISRO, GBP, Mumbai	73.00 Lacs
	24. Behavior of Ozone and its precursors under different Industrial Environment around Udaipur	DST, New Delhi	33.00 Lacs
	25. Study of Electronic Structure of some materials by HF-LCAO method	DST, New Delhi	6.44 Lacs
	26. Investigation of structural and magnetic properties of some mixed valence manganates	UGC	12.31 Lacs
	27. Growth and characterization of CdTe thin films for photvoltaic applications	UGC	12.165 lacs
ZOOLOGY			
2 Departmental Support Schemes	1. DST-FIST (Level - I)	DST	30 Lacs
	2. UGC DRS scheme	UGC	45 Lacs
2 Faculty Major Project	**3.** Evaluation of ameliorative effects of melatonin on sleep deprivation induced changes in brain & behaviour : An experimental clinical study.	DRDO	11 lacs
Total 4	4. Evaluation of indigenous plant extracts for insecticidal and repellent activity against mosquito of medical importance	ICMR	30 lacs
FACULTY OF SOCIAL SCIENCES AND HUMANITIES			
ENGLISH			
Minor 1	Partition and Indian English women novelists	UGC	15000
GEOGRAPHY			
1 Faculty Major Project	Gerrymandering in delimitation of parliamentary and Assembly constituencies (with special reference to North East Rajasthan)	UGC	22 Lacs
HINDI			
Minor 1	Saint Dadudayal: Jeevan aur Sahitya	UGC	1.5 Lacs

1 Faculty Major Project Total 2	Muni Jjinvijay Ke Jeevan Aur Kaaryo Ka Aaklan Aur Moolyaankan	UGC	6 Lacs
JAINOLOGY & PRAKRIT			
1 Faculty Major Project	Verdhaman Jinratn Kosha	UGC	6.34 Lacs
HISTORY			
Minor 1	An analytical study of the traditional handicrafts in Rajasthan (18th Century to 1947)	ICHR	1.20 Lacs
POLITICAL SCIENCE			
1 Departmental Support Scheme	1. UGC	UGC	13 lacs
5 Faculty Major Projects Total 6	2. Informal Local Governance Institutions in Rural South Asia	DFID	8 Lacs
	3. A Study of Political Opinions, Attitudes and Voting Behavior in the XV Lok Sabha Elections in the State of Rajasthan	UGS MRP	4.45 Lacs
	4. Gender Responsive Governance	ICRW	7 Lacs
	5. Mahatma Gandhi National Rural Employment Guarantee Scheme: An Impact Assessment Study	MOPR-CSDA	32 Lacs
	6. Educational Status of Scheduled Castes: Attainments and Challenges	ICSSR	53 Lacs
PSYCHOLOGY			
1 Faculty Major Project	Psychological perspective of HIV/AIDS among rural women	National Commisson for Women	2.58 Lacs
PUBLIC ADMINISTRATION			
1 Faculty Major Project	Rural Transformation in Rajasthan--- select case studies	UGC	1.50 Lacs
SANSKRIT			
1 Faculty Major Project	Values of sustainable Development in Sanskrit Literature 2012	UGC	7.34 Lacs
SOCIOLOGY			
1 Faculty Major Project	Educational Status of Scheduled Castes: Attainments and Challenges	ICSSR	Joint project with Political science
VISUAL ARTS			
1 Faculty Major Project	Traditional Miniature Painting & Present Art Scenario	Department of Culture, Govt. of Rajasthan, JKK, jaipur, WZCC	8 Lacs
FACULTY OF LAW			
1 Faculty Major Project	Tribal Custom and Law	UGC	4,98,000/-

Faculty	Total Number of Projects	
Commerce & Management Studies	7	
Science	37	
Social Sciences & Humanities	14	
Law	1	
TOTAL NUMBER	59	
TOTAL GRANT	Rs. 15,2376265	

Substantial research funding from national funding agencies like UGC, DST etc. under their various departmental support schemes have lead not only to development of research facilities but has also been instrumental in developing and maintaining institutional infrastructure like diesel generators, improvement of water distribution etc. Various sophisticated equipment in these departments are used by researchers from many other states – not just from universities/colleges but also research institutes thus paving the way for thriving research collaborations. Quality research work has emerged from these departments as reflected in publications in high impact journals.

The table given below gives the research funding received by science departments under *UGC-SAP/DST-FIST/DRS/DSA/* programs in the last 4 years:

Departmental Research Funding from various agencies in the last 4 years		
Department	**Funding Agency-Scheme**	**Amount (in Lakhs Rs.)**
Botany	1. UGC-DRS 2. DST-FIST	35 40 (Total = 75 Lakhs)
Chemistry	1. UGC-DRS 2. DST-FIST	5.5 4 (Total = 9.5 Lakhs)
Geology	1. UGC-SAP-DRS-I 2. DST-FIST	42 44 (Total = 86 Lakhs)
Physics	1. DST-FIST (Level II) 2. UGC-DSA 3. CAIPEEX, IITM 4. IUCAA resource centre	300 100 15 4.5 (Total = 419.5 Lakhs)
Zoology	1. DST-FIST (Level I) 2. UGC-DRS	30 45 (Total = 75 Lakhs)

Specialized Research Instruments, Physics Dept

Specialized Research Equipment, Botany Dept

Several highly sophisticated research instruments have been bought under DST-FIST/ COSIST/ UGC-DRS departmental support and also through individual research projects of faculty. Shown in this panel are:

Dept. of Physics:
- Vibrating Sample Magnetometer
- 100mCi^{241}Am Compton Spectrometer
- Liquid Nitrogen Plant
- Arc Furnace
- High energy ball mill
- X-ray Diffractometer

Dept. of Botany:
- Bio Reactor
- Microscope
- HPLC
- HPTLC Visualizer

3.3   Research Facilities

The university uses its development grant to strengthen the infrastructure in general. Intranet and WiFi facilities installed in the university has had a tremendous impact in accelerating research output. Emerging disciplines are initially attached to an established department and nurtured till such a time as they can function as an independent unit. Being an active member of INFLIBNET and DELNET, the following information resources of INFLIBNET are available to cater to the need of researchers:

- Access to about 5000 electronic journals
- Access to the Union Catalog
- Inter library loan Service
- Full text article facilities on request
- Support for the Library Software SOUL
- Training programme
- All the constituent college, individual departments libraries as well as the university library has collections of reference books, specialized subject books, must read books, books on local heritage, indexing and abstracting services, Ph.D theses, publications from national and international organizations to cater the needs of its users.
- In addition to the above the library has a separate section of e-library for digital contents.
- The e-libraries typically have about 10 to 15 computers available for Internet access of educational and research materials.

- In the University Central Library, access to these facilities is available from 10:00 AM to 8:00 PM and in other libraries during working hours.

The university has a work shop with following major facilities for routine maintenance and repair of instruments.

a. Lathe machines   : Three
b. Drilling Machines   : Two
c. Milling machine   : One
d. Cutting machines   : One
e. Drawing room   : One
f. Water pumping station   : One
g. Glass blowing station   : One
h. Electronics workshop   : One
i. Electric welding unit   : One
j. Gas cutting unit   : One
k. Compressor unit   : One

Hostel accommodation is available for research scholars and summer fellows of various academies and visiting scientists are extended the guest house facilities.

3.4 Research Publications and Awards

As part of commemorative events in the Golden Jubilee year of Mohanlal Sukhadia University, Udaipur, the Department of English has launched a journal "Sukhadia University Journal of English Literary Studies (SUJELS)". The journal, bearing the ISSN No. 2320–3056 is a peer reviewed research journal for publication of original research papers/reviews/short creative writings in the field of literature, culture and media studies. It is published annually every January.

Faculty of the university are actively engaged in research and have publications in various national/international journals. Details of publications by the faculty for the last five years are given below:

Faculty	No. of papers	Mono graphs	Chapters in books	Edited books	Books with ISBN	No. listed in Int. database	Citation index	Impact factor	h-index
Arts	422	9	79	67	34	-	-	-	-
Science	1098	-	16	23	33	704	672	average =2.8, highest 6.06	11
Commerce	74	-	12	24	22	-	-	-	-
Law	42	-	42	1	1	-	-	-	-

SCIENCES

COMMERCE & MANAGEMENT

- Biotechnology
- Botany
- Chemistry
- Computer science
- Environmental Sciences
- Geology
- Maths
- Pharmacy
- Physics
- Polymer
- Zoology

- Accountancy & Statistics
- Banking and Business economics
- Business Administration
- FMS

LAW

- Soc. Sc. & Humanities
- Science
- Commerce & Management
- Law

SOCIAL SC. & HUMANITIES

- Economics
- English
- Geography
- Hindi
- History
- Jainology
- Library Sciences
- Music
- Philosophy
- Political Science
- Psychology
- Population research centre
- Public Administration
- Rajasthani
- Sanskrit
- Sociology
- Urdu
- Visual Arts

Several people from the faculty have received awards, are serving on the editorial boards of various journals and have served as member of steering committees of international conferences recognized by reputed organizations / societies. Details of these and publication are included in the individual departmental profile.

Department-wise list of number of successful M.Phil. and Ph.D. scholars guided during the last four years is as follows:

Department	Number of Ph.D students (last 4 years)
Accountancy and Banking Statistics	7
Banking & Business Economics	34
Botany	15
Business Administration	41
Business Management (MBA)	39
Chemistry	35
Computer Science	6
English	12
Environmental Science	10
Geography	71
Geology	13
Hindi	8
History	16
Jainology & Prakrit	25
Law	22

Library &I nformation Science	9
Mathematics & Statistics	26
Music	1
Pharmacy	15
Physics	40
Political Science	27
Psychology	9
Public Administration	22
Sanskrit	5
Urdu	8
Visual Arts	4
Zoology	20
TOTAL	540

The university strictly condemns plagiarism and all researchers are made aware of the same. Plagiarism is currently being checked for at the individual level using special software. Moreover, at the time of submission of the thesis, the research student has to give an undertaking validating the contents and authenticity of the work. We are very proud to declare that so far no cases of plagiarism have been reported.

High achievers are felicitated from time to time and all research achievements are reflected in the API score which is helpful for career promotions for the faculty. To mark the Golden Jubilee of the university, It was unanimously resolved by the Academic Council to constitute five national level awards of one lac rupees for best research paper publication as mentioned below:

1. Dr. D.S. Kothari Memorial award in Sciences
2. Dr. V.V. John Memorial award in Humanities
3. Dr. Vishnu Dutt Nagar Memorial award in Social Sciences
4. Prof. N.L. Hingorani Memorial award in Commerce & Management
5. Dr. Nagendra Singh Memorial award in Law

Vishsht Swarn Jayati Samman were bestowed on Sh Akhilesh Joshi,CEO HZL Vedanta, Suresh sharma, Dr Anil Bordia and Mr. Jagat Mehta for their contributions for their contributions to education and contributions to the welfare of society.

3.5   Consultancy, Extension Activities, Institutional Social Responsibility (ISR) and Collaboration

The university encourages structured consultancy by the faculty with the condition that 30% of the revenue generated be deposited with the university. A meeting with the Udaipur Chamber of commerce was arranged and the modalities of establishing a university-industry cell were discussed. The cell would comprise of senior faculty members and prominent industrialists of the city. The cell is supposed to suggest suitable adaptations in the syllabi according to the needs of the industry in order to widen the job base. The faculty uses their specialized expertise in providing advice/running of experiments, testing of materials/minerals, extending the sophisticated instruments for

R&D purpose to government agencies and also helping in the interpretation of complex data etc. The expertise available within the university is displayed on the official university website. For example, the Economics department conducts a need based survey and prepares reports on corporate social responsibility (CSR) program for Wonder Cement Ltd. Nimbahera, Chittorgarh district in Rajasthan. The broad areas of consultancy services provided by the university are:

      (a) Geo resource exploration and utilization
      (b) Phytoremediation
      (c) Environmental Impact Assessment
      (d) Biodiversity Prospecting

Consultancy

The revenue generated during the last four years (Environmental impact assessment, geo resource prospecting and utilization, advanced learning in Biotechnology and Accounting services) is Rs. 1,88,000/- The university has been giving consultancy to Panchayati Raj department of Government of Rajasthan and conducting competitive examinations like BSTC, PCPMT, Third grade teachers entrance examination and has generated about 2 crore Rs. Details of the Consultancy/Extension work done by the Geology department is given below:

Department	Name of faculty members	Amount earned	Nature of consultancy & organization
Geology	Dr. N. K. Chauhan	6.22 Lakh	Water management & Highway Construction (World Vision India, NHAI)

Extension

Entrepreneurship Development Cell (EDC) c/o Department of Geology	Technology based Entrepreneurship Development Programme on Digital Photography & Videography	03.11.2008 to 13.12.2008 22 participants
Geology	Refresher Course on Petrography & Ore Microscopy	8.11.2011 to 12.11.2011 10 Geologists of DMG
Geology	Orientation Training on Field Geology	13.2.2012 to 17.2.2012 10 Geologists of DMG
Entrepreneurship Development Cell (EDC) c/o Department of Geology	Technology based Entrepreneurship Development Programme on Repair & Maintenance of Computers & Laptops	14.11.2011 to 24.11.2011 23 participants
Entrepreneurship Development Cell (EDC) c/o Department of Geology	Technology based Entrepreneurship Development Programme on Web Designing & Networking	6.2.2012 to 13.3.2012 24 participants
Entrepreneurship Development Cell (EDC) c/o Department of Geology	Faculty Development Program (FDP)	16.1.2012 to 28.1.2012 24 Faculty Members

In its role as an institution of higher education, the university takes upon itself to share its resources with other regional/state/national institutions. Students from various parts of the country make use of the sophisticated research facilities to do their project/summer training and also for research.

Students from University of Rajasthan, National University, Jaipur, Satyabhama University, Chennai, Apex institute of technology, Jaipur, Gyan Vihar School of P.G. Studies, Jaipur: Seedling Academy of Design Technology and Management Jaipur, Modi institute of management and technology, Kota university, Amity University, Noida, Jaipur National University, Jaipur have done projects/training in Dept. of Botany.

The department of physics has conducted student outreach programs both by delivering lectures in schools/colleges within Udaipur city and organizing student visits to the department. Students from universities/colleges outside Rajasthan have also visited the

Students from schools/colleges visiting research labs & listening to research related talk

department, in particular the research laboratories where the group leaders explained the uses and working of the various highly sophisticated equipment used for research. Many school children who were of the 11th or 12th standards did some experiments in optics (eg. different types of interference/diffraction patterns) and electronics (lissajous figures, wave generators, oscilloscopes etc.) which demonstrated principles that they had learnt.

The IUCAA centre of the university has organized several conferences, workshops, seminars under outreach programs and has arranged invited talks of eminent scientists who are involved in Astronomical and Meteorological research/ popularization activities in India. The IUCAA telescope is available to the general public for viewing celestial phenomena like the recent transit of venus.

A five day digital media training workshop in May 2011 was held for students and faculty of Udaipur and adjoining districts like Banswara, Dungarpur etc. The Workshop was a joint venture between Mohan Lal Sukhadia University under the auspices of Golden Jubilee Celebration, NCSTC, DST Government of India, M.K.B school Jaipur and Vaigyanic Drishtikon Society, Jaipur. A science fair was organized from 13-15 Sept. 2011 at the University College of Science in which a mobile planetarium was established and an exhibition on Nobel laureates was held. This programme was held in collaboration with National Council for Science and technology Council for school /college students and public to promote science. Every day 9 shows were organized and approximately 1300 students benefitted from it.

Mobile Planetarium, Science Fair UCOS

On the occasion of Golden Jubilee Celebrations the Placement Cell of UCOS, announced the tie-up of MLS University with Aspiring Minds Assessment Pvt. Ltd., to address the issues of employability and limited access to opportunities for its students and affiliated colleges.

Through the MLSU – AMPEAR (Aspiring Minds Program for Employability Assessment & Recruitment) Program, the university aims to provide better employment opportunities to its students and increase the Employability of the students passing out from its various colleges every year. More than 2000 students from Science College, Arts College, Commerce College, FMS, Law College, Advent College, Aishwarya College, Govt. Meera Girls College, Gurunanak Girls College, etc., participated in the first round of assessments in September 2011. Since then this exercise is held every year and more than 100 students have found placement in companies like HCL, Genpact, Galaxy Weblink, Planet of web, Axis bank, Vedanta etc. A central placement portal (www.myamcat.com/mlsu) is set up for the students in Udaipur, Sirohi, Rajasmand, Pratapgarh, Dungarpur, Chittorgarh and Banswara on which regular updates on the placement program are announced.

As a gesture of gratitude and in honour of the memory of Shri Mohanlal Sukhadia, the father of modern Rajasthan, the university organises a Sukhadia Memorial Lecture every year on his death anniversary and renowned academicians/political leaders/ social activists are invited to deliver a talk on this occasion. The last Sukhadia memorial lecture was addressed by Sahitya Akadami Award winner Prof. Namvar Singh. H.E. the President of India, Shri Pranab Mukherji in the capacity of Finance Minister of India, was the Chief Speaker in the Golden Jubilee Lecture on "Global Business in Indian Economy" on 19th May 2012. He also inaugurated the Golden Jubilee Gate and the new edition of the University newsletter, 'Sarthak'.

The academic strength and research contributions of the university have been extended for community service to fulfill its obligations towards society. University has joined hands with NGOs and charitable organizations for addressing environment related issues. Faculty members from Social Sciences are involved in research and extension programmes which address various problems related to social justice and empowerment of under-privileged sections from the region. The population research centre of the university has conducted studies on socially relevant issues, especially in tribal regions, like Reproductive Health Status of Tribal Women in Rajasthan, Knowledge and Satisfaction of Patients about NRHM Interventions at Dungarpur District Hospital, Impact Assessment of Institutional Delivery Care Services in Tribal Areas of Rajasthan, Improve the HMIS data quality of Rajasthan 2009-10, 2010-11, Validation of Pregnant Women and Child tracking in Rajasthan, Level of reporting of Maternal and Child Health Services mainly Institutional Delivery and Immunization in the HMIS in Public and Private Institutions etc.

The faculty of department of political science is involved in projects relevant to social/political issues like: Informal Local Governance Institutions in Rural South Asia, A Study of Political Opinions, Attitudes and Voting Behavior in the XV Lok Sabha Elections in the State of Rajasthan, Gender Responsive Governance, Mahatma Gandhi National Rural Employment Guarantee Scheme: An Impact Assessment Study qand Educational Status of Scheduled Castes: Attainments and Challenges. The department has also organized seminars and conferences on subjects like: Gandhi and Munna Bhai Never Met, Democracy at Grassroots: Fifty years of Panchayati Raj in India', Week long workshop on Human Rights and Development Issues in the TSP region of South Rajasthan, A national Seminar on Discourse of Emancipation Revisiting Ambedkar Gandhi and Marx under ICPR sponsorship was held in November 2012.

Department of history has organized seminars on National Seminar in February, 2010, on "Rural Tourism in India", Dec. 2011, on 'Cultural Heritage in India with special reference to Rajasthan and its neighboring' and a Workshop on Cultural Heritage in April, 2012. Department of Jainology conducted seminar in July 2012 in collaboration with Agam Sansthan on Promoting Prakrit language & Literature by Shwetamber Sadhumargi Jain Sangh and an Extension Lecture in October, 2012 on Jainism in Karnataka. Several locally relevant social issues such as "Moutana", "Dayan Pratha" have been addressed through workshops and seminars. The university also encourages a sense of social responsibility in students through its NSS and NCC programmes. The volunteers are involved in Environmental awareness, health management and community development programmes. Department of Economics is giving consultancy services to Wonder Cement Ltd. Nimbahera, Chittorgarh Rajasthan for conducting need based survey and preparing a report on Corporate Social Responsibility (CSR) Program.

The university has several Centres of national recognition: Centre for Buddhist Study & Non-violence, Centre for Muni Punya Vijay Manuscriptology, Centre for Dr Hira Lal Jain Apbhransh Studies, IDEA Centre. We also have a state sponsored Mohan Lal Sukhadia Chair for Good Governance.

विश्वविद्यालय में समारोहपूर्वक मनाया गया स्वतन्त्रता दिवस

जीवनदान

उदयपुर। मोहनलाल सुखाड़िया विश्वविद्यालय में स्वतन्त्रता दिवस समारोहपूर्वक मनाया गया। चारों संघटक महाविद्यालयों में अधिष्ठाताओं ने झंडारोहण किया। मुख्य समारोह एमबी.ए ग्राउंड पर आयोजित हुआ जहां कुलपति प्रो. आईवी त्रिवेदी ने झंडा फहराया।

इससे पूर्व सुखाड़िया उद्यान में कुलपति ने एक लाख 15 हजार की लागत से लगा म्यूजिक सिस्टम का उद्घाटन किया। उद्यान में सुबह शाम घूमने आने वालों को देश भक्ति तथा धार्मिक विषयों से जुड़े गीत इस सिस्टम पर सुनाए देंगे।

इस अवसर पर कुलपति ने विद्यार्थियों और कर्मचारियों को स्मृति चिन्ह भेंट कर सम्मानित किया।

Independence day is celebrated with a great deal of enthusiasm. In addition to parades by units of NCC, students present cultural programs. A cricket match is also organized between staff and students.

The university promotes the participation of the students and faculty in extension activities including participation in NSS, NCC, YRC and other National/International programmes. The university has nine NSS units (each comprising 100 students) involving all the faculties, All the students at the entry level are encouraged to join NCC (Air, Navel and Army wings) or NSS. NCC and NSS volunteers are involved in Environmental awareness, health management and community development programmes through 1day, 3 day or 10 days camp. These programs help students develop a keen sense of social obligation, moral commitment and empathy. It also enables the student to work successfully as a part of a team and helps develop leadership qualities and observational powers.

Faculty members from Social Sciences are involved in the research and extension programme addressed to various problems related to social justice and empowerment of under-privileged sections from the region. The university has an adult education and career counseling programs where the students and faculty are involved in extension activities as given below:

a) Adult Education : Programmes/Activities/ Achievements:

- UGC guidelines for Centre of Adult Education and Extension describe 'Extension' as 'Third Dimension' of the Universities, equal in status to teaching and research.
- It includes Adult Education, Continuing Education, Population Education and Community Education through field outreach activities.
- Keeping in view UGC guidelines, the Centre has organized various activities in its adopted area in Bargaon and Girwa Block for the Rural People, Students and Teachers of the University and Colleges.
- Co-operating Organization and N.G.O.'s: About 20 different Departments and organizations cooperating in organizing its activities.
- Continuing Education and Income Generating Training Programme:

S.No.	Programme Title	Duration	No. of Participants
1.	Reproductive Health orientation training programme for Tribal Women	One day	61
2	S.T.D. (Sexually Transmitted Disease) causes and Remedies: Orientation Training Programme.	One Day	60
3	Income Generation and women Empowerment	Two days	65
4	Liquid detergent making and safety measures	One day	60

5	Agarbatti making Training programme	One day	55
6	Surf Powder and Soap making programme	Two days	65
7	Group Trading for women	One day	40
8	Various Income Generating Schemes of Government	One Day	65

Awareness Programmes:

S.No.	Programme Title	Duration	No. of Participants
1.	Women Awareness and Gender Equity	One day	55
2	AIDS Awareness (Rural People)	One day	52
3	Film shows (Awareness)	3 shows	~350
4	Women self help group meeting	5 meeting	300
5	AIDS Awareness (School Girls)	One day	40
6	Women Awareness for Breast feeding and vaccination.	One day	55
7	Janani Suraksha Yojana and Kangaroo care	One day	52

Important Celebrations:

S.No.	Days	Date	No. of Participants
1	International Literacy Day	8.9.2011	52
2	World Population Day	11.9.2011	45
3	International Women's Day	8.3.2012	40

b) Employment cum Advisory Bureau: Activities/ Achievements:

- Publishes a monthly bulletin "Vyavsayik Marg Darshan Nirdeshika".
- Has started a counseling service for the students, Psychological tests like Intelligence, Personality, habits, students problems etc. are available with the Bureau.
- Students have been helped with Psychological testing and Educational Counseling by the Technical Assistance/Counselor who is competently trained.
- Students who seek counseling in matters of career, choice of subjects etc. are given individual guidance.
- About 300 students per month have so far been given guidance by the bureau.

The main impact of a collaborative approach with other agencies is the infusion of fresh ideas. Collaborative programs with research institutes and laboratories expose science students to sophisticated science instruments and varied disciplines. Collaborations with different social agencies and NGOs provide enables students, especially those from the social sciences to translate/test their theoretical knowledge on ground realities. These collaborations have not only had a tremendous impact on the holistic development of the university as a whole and students in particular, but also has provided students good access to internships, specialized training etc. which have gone a long way in finding

fulfilling careers. Suggestions made by collaborating institutions are also considered while revising curricula. Students of Computer applications course, Biotechnology, MIB, MHRM and other are regularly sent for on the jobs training in different commercial / Govt. Organizations. In some areas of collaborations, the experts from different organizations visit the departments to participate in teaching programmes. A list of collaborations and MOU's has already been given above. These MOU's have enabled the university access to many sophisticated instruments available at these institutes and also helped in formulating collaborative programs/research. Several scientists have also acted as resource persons for special papers in the concerned faculties.

3.6 Collaborations with other departments and institutions at the national and international level and their outcome during the past five years.

(a) National organizations	Collaborative programme of the Department of Geology with : ▪ MS University, Baroda Rajasthan State Mines & Minerals Ltd., ▪ State Department of Mines and Geology, ▪ National Geophysical Research Institute, Hyderabad ; ▪ Physical Research Lab., Ahmedabad ▪ Geological Survey of India , Western Region
(b) Non-Government organizations	World Vision, India Office.
(c) Other Institutions	i. Wolkem India Pvt. Limited ii. Indian Bureau of Mines, Regional Office, Udaipur iii. Department of Science & Technology, Regional Office, Udaipur

The above collaborations have resulted in at least ten good quality research papers by the faculty members and 2 Patents were registered on process technology.

Mohanlal Sukhadia University came into existence in 1962. This UGC recognized state aided University is spread over 607 acres and divided into two campuses, which are about 4 kms away from each other. To commemorate the Golden Jubilee year and to honour the memory of Shri Mohanlal Sukhadia, a life-sized metal statue was installed in front of the Administrative block. Bhajan programs are arranged in front of the statue on his birth anniversary.

Expansion of activities in the old campus of the university since its establishment necessitated the creation of new campus which is more spacious with a potential for further expansion. The university boasts of an excellent infrastructure and learning resources spread over two large, sprawling campuses with adequate number of classrooms, administrative buildings, transport, water supply and power supply to run various academic programmes. The total built up area of university is 51945 sq. m. Faculties of Science and Commerce, Department of Geology, Sports board, Dean Student Welfare office, Yoga centre, playgrounds, open air auditorium, animal house, botanical garden etc. are located in the old campus while faculties of Social Sciences and Humanities, Law and Management Studies were shifted to the new campus. Besides, university administrative building with Vice-Chancellor's secretariat, central library, establishment and examination section, several departments of applied sciences such as Computer education, Pharmacy, Biotechnology, Environmental science, Estate office, Population research centre, Indoor badminton stadium, Gymnasium etc. are situated in the new campus. An ultra modern University Auditorium, is also situated in this campus with a sitting capacity of 1000, stage area 240 sqm., air cooling system, dolby sound system with ample parking space. As a part of master plan, the university proposes to shift more PG departments to the new campus in a phased manner.

The university can boast of having a very strong physical infra-structure in terms of its faculty buildings, sports complexes, hostels, auditoria, gymnasia, play grounds, in-door stadium and guest house. Buildings are well maintained and there has been regular addition of new buildings to cater to the ever-increasing needs of different departments and faculties in line with their academic growth. Good roads, gardens, illuminated campuses, class-rooms, laboratories and other amenities, well maintained hostel buildings, make this university a proud place for study. All buildings are spacious, independent, with large open spaces and gardens. There are separate boys and girls hostels (5 each). The university has a guest house with AC as well as non AC rooms. The University College of Science has a state of art seminar room "Swarn Jayanti Hall" with seating capacity of 100 members and facilities such as mikes on each seat, audio-visual aids, A.C. etc. as well as another "Vivekanand Hall" with audio-visual facility and seating capacity for 150 members. University administrative office, constituent colleges and nearly all PG departments have individual seminar halls with a seating capacity of at least

100 people and are well equipped with audio-visual facilities, A.C. etc. All constituent colleges and some departments are independent units with own grounds, garden, cafeteria and ample covered as well as open parking space. In addition to this, university makes the necessary changes/additions and renovations in order to keep up with the demands made by additional/new courses, technological advances, student/staff requirements, transportation facilities etc.

The university has infrastructure facilities available for the following:

a) *Academic activities:* Class rooms, well equipped PG & Research Labs, S
seminar rooms, greenhouse, animal house, botanical garden, workshop, computer lab, internet centers, departmental/college/university libraries, language labs, herbarium, museums (Geology, Zoology).

b) *Co-curricular activities:* Auditoriums (open and closed, small and large)

c) *Sports:* Playgrounds (basketball, Volleyball, Football Hockey, Kho Kho), Yoga centre, Cricket Ground with Greenroom, Gymnasiums, Squash Court, Badminton Court, Swimming pool and Boxing Ring.

The University ensures that its faculty, especially those who do not belong to the city, are provided with adequate residential and other facilities. The university has three types of houses which are allotted to the faculty on seniority basis and also a separate VC bungalow. The university has an MOU with ICICI bank, and a branch as well as ATM and a post office is situated in the main campus. The University has air-conditioned as well as non AC vehicles which are used for administrative, examination and other purposes. Ramps have been built at the entrance of all college buildings, auditorium etc. for differently abled students.

The university has one bulk supply connection of 850 kW and several 6 kW to 658 kW connections to maintain electric supply to all units, street lights etc. Apart from these, several 5 kVA and upto 80kVA generators/ invertors have been installed in different units to provide uninterrupted electric supply. The university has 32 active bore wells and 12 PHED connections for water supply. In order to ensure safety of staff and students security guards are deployed in the entire campus especially during nights.

University libraries are enriched with a wealth of information in print and electronic format. Through a 3-tier library system: University Central Library, University College Libraries (four) and Individual departmental libraries, access to reading material has been made easy. The Central Library concentrates on research support services where as the college and departmental libraries look after the specific needs of Under-graduate and Post-Graduate teaching courses and research of the respective College/Department. Working hours of the Central library are 10.30 a.m. to 5.00 p.m., 10.30 a.m. to 8.00 p.m.(e-library). Creation of e-libraries and digitalization of printed resources have further strengthened our learning capabilities. Library facilities and internet access have been extended up to hostels. "Must Read Books" section created in the library has generated much interest equally in students and faculty members. Each teacher has access to internet and the university also participates in the INFLIBNET (e-consortium Phase II), Sci-finder, Dissertation International Abstract, OPAC program so that teachers have access to a vast pool of e-learning content. Most departments also have LCD projectors/smart boards which are routinely made use of by teachers. University central

library has acquired Braille facilities for blind students. In addition to existing resources, the library has added books and journals worth Rs.1.0 crore in last 5 years.

The university has a full-fledged internet centre which implements, maintains and upgrades/repairs internet services (both inter and intra net), WiFi, LAN, Broad band etc. University Computer Centre is the backbone for ICT infra-structure in the University. It has provided internet access to almost all units of the university including hostels and has helped in training employees, teachers and students in computer application. The contribution of Computer Centre in ICT revolution in the university was applauded by the accreditation committee in its visit in the year 2002. Desktop computers are installed in the rooms of all the faculty members and research laboratories. UG and PG students have access to the computers from the e-libraries and departmental libraries. Dedicated computing facilities are available at departmental level, University college libraries, central library and the computer centre. Normal working hours of the university computer centre is 9AM to 6PM. At present, computing facilities are provided free of cost to faculty members and research students. Access to computing facilities are also provided free of cost to all the students and faculty members through campus network. The University computer centre develops software packages for general administrative purpose in consultation with the departments and units. University has intranet web publishing and content creation facilities.

The university maintains a comprehensive website with all pertinent details displayed on it. This includes courses, fee structure, hostel and other facilities, teaching plan/tutorials/ some presentations/notes/question papers. Examination timetables/results/various application forms etc. are available online. The university also has a dedicated website for Research with important announcements like dates/schedules of examinations, new projects, dates of PGRB, selection list etc. The university has established some regional centres in remote, tribal areas to provide access to students from these regions. Library resources like e-journals, e-books etc. are available through the university website. Research students have access to powerful remote computing facilities in institutions like IUAC, IISC, PRL etc. through the university. Almost all PG departments are equipped with smart boards/LCD projectors. The faculty can make use of skilled programmers, computer operators etc. in the university to assist them with teaching-learning materials and to develop special soft-ware/programs that may be required by them. The institution is an active member of INFLIBNET and DELNET and has access to about 5000 electronic journals, Union Catalog, Inter library loan Service, full text article facilities on request and SOUL Training programme

The university has an Estate office at the old campus in addition to main office with an engineer in charge with a junior draughtsman & other supporting staff. The estate office looks after and routinely maintains lights, fans, furniture, black boards, electrical connections, laboratory safety and special requirements like tiling of work spaces, exhaust fans etc. The estate office also has given adequate support and help in landscaping/gardening like in the old and new campuses. Repair and maintenance of equipment used in student/research laboratories is largely done by the in-house workshop. Routine maintenance and repair of sophisticated instruments used for research is done by calling company engineers.

As mentioned earlier the university is keen on promoting research. The university has ensured that nearly all faculty have their individual rooms/laboratory space with at least

minimal facilities like furniture, electrical infrastructure, internet/WiFi facilities, access to at least one computer/printer facility. All departments of the university are provided with facilities like office room, common room and separate rest rooms for women students and staff. Ramps have been placed for ease of use for differently abled people and adequate access to computer and other facilities have been included at ground floors of libraries/offices. There is a provision for making a writer available for blind students during examination and they are given half an hour extra time to finish the paper. University central library has acquired a Braille typewriter for use by blind students.

The university has several hostels for both boys and girls. In addition to basic amenities like bed, study table chairs, almirah, electrical fittings, fans, bath room facilities, drinking water facilities, TV and recreation facilities, hostel mess, central telephone, Doctors on call, news paper etc., the hostels also possess good grounds with facilities for playing volley ball, foot ball, badminton etc. The university also has a well equipped gymnasium for use of students/staff. All girl hostels and one of boy's hostels are provided with Computer, Internet and Printer facilities. Besides text books, must read books are also made available to the hostlers. The university has no health centre facility, but, it has approved a large number of hospitals and clinics where employees are free to consult and take medical treatment and the medical bills are reimbursed as per university rules.

Details of all the facilities available given in section C: profile of university and few are listed below:

Essential and academic infrastructure:

- **Class Rooms** : ~200 Nos.

- **Administrative Building** : 5927 sq. m floor area

- **Transport**
  Bus : 01 No.
  Mini-Buses : 02 Nos
  SUVs : 02 Nos
  Car/Jeep : 04 Nos.

- **Water Supply**
  Open well : 09
  Tubewells : 32
  PHED Connections : 12

- **Power Supply**
  Transformer capacity : (total) 1515 KVA
  Diesel Gen. Set : 14 generators ranging from 20 – 82.5 kVA
    : 17 generators/inverters upto 5 kVA

DETAILS OF ELECTRICITY CONNECTIONS

Location	Load	Remarks
New Campus		
University New Campus (One Bulk Supply Connection)	850 KW	Having connection of 850 KW with contract demand 300 KVA mix load with 11 KV HT metering & Transformers of capacity 315 KW, 250 KVA One No. & 100 KVA two Nos.
S.T.Boys Hostel	6 KW	Temporary connection
Old Campus		
University Guest House	48 KW	Having 48 KW Non Domestic connection.
University College of Science Campus (All Deptt., U.C.C.M.S., Gargi Girls Hostel, Geology Deptt.)	658 KW	Having connection of 658 KW, 260 KVA mix load supply by 630 KVA transformers.
Sports Complex, M.B. Hostel, Research Hostel	20 KW	Having 20 KW Non Domestic connection.
Nehru Hostel Campus	30 KW	A 3 Phase, 30 KW Domestic connection.
For Residential Quarters Separate connection for each quarter for New & Old Campus from A.V.V.N.L. (Total Quarter 78 Nos.) 78x5=390KW	390 KW	Separate connection

DETAILS OF D.G. SETS

(A) D.G. SETS ABOVE 5 KVA

S.No.	Location	Capacity KVA
1	U.A.O.	70
2	U.C.S.S.H.	70
3	Vanijya Bhawan	82.5
4	Computer Centre Vigyan Bhawan	62.5
5	M.D.S. Hostel	25
6	Polymer Science	62.5
7	Polymer Science	62.5
8	Biotechnology Deptt.	20
9	V.C. Residence	25
10	Physics Deptt.	70
11	Zoology Deptt.	70

12	U.C.C.M.S.	70
13	Geology	25
14	University College of Law	20

(B)   GENERATORS/ INVERTORS UPTO 5 KVA

C.S.S.H.   3
V.C. Residence   1
V.C. Office   1
Science College, C.C.M.S., Geology   10
Deptt. etc.
University College of Law   2   **DETAILS   OF BUILDINGS OF MLSU**
TOTAL: **17**

Location	Built up Area	Library	Garden	Annexes	Canteens	Other facility Girls Common Room	Union Office		Plantation Area	Water Harvesting	Ramp
							Student	Staff			
U.A.O.	5358	904.90	243.95	279	82.94	-	-	73.31	607.80	1	-
U.C.C.M.S.	2726	112.89	1833.10	-	55.47	65.52	36	-	-	-	1
U.C.S.S.H.	8459	794	824	-	159.92	-	33.66	-	1760.59	-	2
U.C.S.	16395	1354	6220	30 (Employ-ment Office)	177	102	102	24	4200	-	5
Nehru Hostel	3520	-	1000	-	33.39	-	-	-	2200	-	-
U.C.L.	3174	601.61	1611	-	133.87	-	-	-	-	1	1
Pharmacy Deptt.	1448	109.24	1004.64	-	-	34.18	-	-	6400	-	1
P.R.C.	323	-	-	-	-	-	-	-	-	-	1
Environment Deptt.	777		2342	-	-	-	-	-	1286.24	-	-
Biotechnology Deptt.	960		2342	-	-	-	-	-	1249.76	-	-
Computer Centre	300	-	-	-	-	-	-	-	600	-	-
M.C.A.	1006.53	-	2160	-	-	-	-	-	2366.72	-	-
F.M.S.	2220	314.50	1212	-	-	80.87	-	-	1440	-	-
Auditorium	1471	-	1449.81	-	-	-	-	-	920.07	-	1
Vishvvidyalaya Vatika			231700	-	-	-	-	-	-	1	2
DSW Office	200										
Deptt. of Geology	2502	144.28	2007.43	-	-	-	-	-	715.61	-	-
Estate Office	300	-	-	-	-	-	-	-	384.75	-	-
University Guest House	805	-	922.5	-	-	-	-	-	168.52	-	-
TOTAL:	**51944**	**4335**	**256872**	**309**	**642.**	**282**	**171**	**97**	**24300**	**3**	**14**

DETAILS OF MAJOR CONSTRUCTION WORKS COMPLETED IN LAST FOUR YEARS:

FINANCIAL YEAR 2009-2010

Name of work	Completion Cost Rs. in lacs.
Construction of Class Rooms and Hall at U.C.S.S.H.	89.30
Extension/Renovation work of Library Building at University College of Law.	50
Extension of Central Library Building.	46
Construction of Seminar Hall at University College of Science.	28

FINANCIAL YEAR 2010-2011

Name of work	Completion Cost Rs. in lacs.
Construction of Institute of Polymer Science & Rubber Technology Building.	179.50
Statue of Late Sh. Mohan Lal Sukhadia Ji	6

FINANCIAL YEAR 2011-2012

Name of work	Completion Cost Rs. in lacs.
Construction of Golden Jubilee Gate	50-00
Construction of Hall(Rooms), Toilet and Ramp etc. work for physically challenged persons	13.50
Installation of Statue of Late H.H. Maharana Bhupal Singh Ji and Development work etc.	14.80
Construction of Cafeteria	20
Construction of Health Centre	20
Extension work of Library at F.F., U.C.S.S.H.	34
Construction of P.G. Hostel for Women's	60
Construction of U.G. Hostel for Women's	100
Construction of Vanijya Bhawan	120

FINANCIAL YEAR 2012-2013

Name of work	Completion Cost Rs. in lacs.
Construction of S.T. Boys Hostel.	188
Construction of Approach Road from N.H.8 to M.D.S. Hostel and M.L.S.U. New Campus.	85
Construction of F.F. of U.G. Women's Hostel.	82
Construction of F.F. of P.G. Women's Hostel.	64
Remaining work of Vanijya Bhawan (Back side wing)	60.69

DETAILS OF CAPACITY OF THE HOSTELS AND OCCUPANCY

.

S No	Name of Hostels	Type (boys/girls)	Intake	Remarks Gen/SC/ST/OBC	Occupancy
1.	M.B. Hostel	Boy	66	All Category	100%
2.	U.G.G. Hostel	Girls	147	All Category	100%
3.	K.N.G. Hostel	Girls	86	All Category	100%
4.	D.S.K. Hostel	Boys	18	All Category	100%
5.	Ramanujan Hostel	Boys	40	All Category	100%
6.	M.D.S. Hostel	Girls	48	ST Girls	100%
7.	N.S.S. Hostel	Boys	40	ST Boys	100%

The University Sports Board manages the sports and physical education facilities of the university. The following physical and infrastructure facilities are available under Sports Board of the university

A. Grounds

- Athletic track and field   6 lane   :   One
- Football ground   :   One
- Hockey ground   :   One
- Cricket ground (turf wicket)   :   One

B. Courts & halls

- Basket ball court   :   three
- Volley ball court   :   three
- Hand ball court   :   one
- Badminton court   :   one
- Table Tennis court   :   one
- Kabadi court   :   two
- Kho-kho   :   two
- Squash court   :   one
- Yoga hall   :   2000 sq. ft. area
- Boxing hall (international boxing ring):   one

C.   Swimming pool   :   nil
D.   Physical fitness center   :   one
E.   Archery practice field   :   one
F.   Buildings   :   Sports Board Office building, Cricket pavilion

Library as a Learning Resource

Under Act and Statutes No. 5(3) (a) of the University, there is a Library Committee to render advice to the Academic Council in connection with all library matters. The Vice-Chancellor is the Chairman and the University Librarian/Officer-in-charge acts as the Secretary. The Chairman of Library Committee of all the colleges/department are the members of this committee. The Library committee headed by the Vice-Chancellor carries out the following functions

- To frame policies for purchase of books and journals
- To review purchases made in the previous years
- To frame rules from time to time for efficient working of the library system
- To look into the budgetary requirements of the library
- Automation of the library
- Infrastructure & Development planning

The committee has taken initiatives in holding workshops to give training in the use of e-libraries, ensures that books/magazines of current interest to users in general are subscribed to.

- The Central Library has set up the Information and Library Network (INFLIBNET) Cell with modern infrastructures with the assistance of UGC.
- This cell regularly inputs records in the National database being developed by the INFLIBNET at Ahmedabad.
- This library is member of INFLIBNET and DELNET (Development Library Network) New Delhi, which has recently developed its WebPages.
- Readers can access the library record on the Internet. The library also provides all possible information through Internet required by the research scholars.

The Sukhadia University Library System consists of the following Libraries:

1. University Central Library
2. Constituent University College Libraries (four)
3. Individual departmental libraries

The Central Library concentrates on research support services where as the college and departmental libraries look after the specific needs of Under-graduate and Post-Graduate teaching courses and research of the respective College/Department. The details of central library are as follows:

University Central Library

Total area (in sq. mts.)	:	2527.6
Total seating capacity	:	165

Working hours:

- On working days : 10.30 a.m. to 5.00 p.m.

  10.30 a.m. to 8.00 p.m.(e-library)

- On holidays : 10.30 a.m. to 5.00 p.m. (e-library on every sunday)
- Before examination : Same as on working days
- During examination : Same as on working days
- During vacation : Same as on working days
- Individual reading carrels : No
- Lounge area for browsing & reading : (Newspaper/magazines)1360 sq.ft.
- IT zone for accessing e-resources : E-library 960 sq.ft
- Adequate sign boards : (3'x5') (3½'x7') (3½'x7')
- Fire alarm : Fire extinguishers installed.

For providing access to differently-abled users (blind) following equipments have been installed in two computers of e-library.

- Scanner, reader & magnifiers (Readit wand)
- Screen reader & magnifier (Supernova)
- Braille Display (Seika)
- Braille Embosser (Basic-D) with DBT Braille Translator

The library has 11810 books, 2993 Theses, 171 e-books and 6000 e-journals. On an average 3675 books are added during the last three years. It has 3 computers and 1 printer for public access. Library automation is through SOUL and uses OPAC and INFLIBNET e-consortium Phase II, Sci-finder, Dissertation, International Abstract to provide access to the collection. The internet band width speed provided is 1 GB. The average number of walk ins in the library are about 4200 and average number of books issued / returned is around 550 per month. The ratio of library books to students enrolled is 289:1. Average number of books added during the last four years is equal to 4928 annually and there are large number of login to OPAC. The average number of login to e-resources is 2177. The library has organized two e-resources awareness programs of IT literacy trainings. The details of specialized services provided by the library are-

- Reference - ✔
- Reprography - ✔
- Inter-library loan service - ✔
- Information deployment and notification - ✔
- OPACS - ✔
- Internet Access - ✔
- Downloads - ✔
- Printouts - ✔
- In-house / remote access to e-resources - ✔
- User Orientation - ✔
- Assistance in searching databases - ✔

- INFLIBNET / IUC facilities   -   ✓

The annual library budget and the amount spent for purchasing new books and journals is as follows:

- Annual Library Budget   -   1,51,59,540/-
- Amount spent for purchasing new books   -   15,53,000/-
- Amount spent for purchasing journals   -   9,76,359/-
- e-books, journals etc.   -   8,77,024/-
- Two library halls have been constructed with the grant of Rs. 40,00,000/- given by the UGC for library building.

University College of Science Library

The university college of science has a grand library housed in its heritage building. The total area of the library is appox.1900 Sq. Mts and it can seat 165 students. The library remains open from 10.00am to 5.00pm every day from 16th June to 30th April and during vacation i.e. from 1st May to 15th June, it is open from 8.00am to 1.00pm. The library has a huge hall that accommodates 60 readers at a time; a book bank, three lounge areas and periodical sections provide relaxed reading. There is a separate IT zone named as 'E-library' for browsing and accessing e-resources. There are adequate sign boards and fire alarms. Differently-abled users are supported by the library staff personally. The library has adopted open access system for access to collection.

U. College of Science Library

The beautiful, serene and inviting University College of Science Library has 69675 print books, 6202 back volumes and 662 theses with islands of chairs and tables between bookshelves for students to work. It also has several computers with internet connection for access to e-content

Details of the library holdings are as follows:

- Print (books, back volumes and theses): Print books: 69675 Back volumes: 6202 and Theses: 662.
- Average number of books added during the last three years: 1064.
- Non Print (Microfiche, AV): CDs 77.
- Electronic (e-books, e-journals): E-Books 86 and e-journals provided by Central Library
- Special collections (e.g. text books, reference books, standards, patents): Reference Books: 1425, known as "Must Read Books.
- What tools does the library deploy to provide access to the collection?
- (i). Catalogue Cards   (ii). Single user OPAC   (iii). Personal Assistant
- OPAC: Plan to provide multiuser OPAC facility is under process. Probably may start from academic session 2013-14.
- Electronic Resource Management package for e-journals: Electronic Resources are under the arena of LAN.
- Federated searching tools to search articles in multiple databases: NA
- Library Website: Not specific webpage but linked with University website
- In-house/remote access to e-publications: NA
- To what extent is ICT deployed in the library? Give details with regard to
- Library automation: in process
- Total number of computers for public access: 13
- Total numbers of printers for public access: 04
- Internet band width speed: 2mbps
- Institutional Repository: NA
- Content management system for e-learning: NA
- Participation in resource sharing networks/consortia (like INFLIBNET): Library is connected with INFLIBNET
- Average number of walk-ins: 5200
- Average number of books issued/returned: Issued 918 and returned 891.
- Ratio of library books to students enrolled: 1:30
- Average number of books added during the last four years: 88/Month.
- Average number of login to OPAC: NA
- Average number of login to e-resources: 1850/ Month
- Average number of e-resources downloaded/printed: 870/ Month
- Number of IT (Information Technology) literacy trainings organized: 01

Specialized services provided by the library are:
- Reference: Has a good collection of reference books but these are only for the purpose of reading not for issue.
- Reprography: Reprography is available to all users.

- Information Deployment and Notification: Library provides a list of ordered books to all the HODs
- OPACS: Single User
- Internet Access: Users can access Internet from E-Library section
- Downloads: Available in Library
- Printouts: The computers are connected with printer. Users can take printout of their required reading materials.
- In-house/remote access to e-resources: E-resources available on LAN.
- User Orientation: At the beginning of every academic session library provides information about its services to the students in all the class rooms.
- Assistance in searching Databases: Library exclusively has one Technical person to assist users during searching of databases.
- INFLIBNET/IUC facilities: INFLIBNET facilities available.

Annual library budget and the amount spent for purchasing new books and journals for year 2011-2012 is given below:

Plan	Amount (Rs.)	Spend (Rs.)
Non Plan	2,50,000	2,49,972 Spend on Books
UGC	9,00000	8,41,867 Spend on Books
UGC 11th Plan remaining	6,33,600	6,28,885 Spend on e-Books

The initiatives taken to make the UCOS library a 'happening place' on campus are as follows:
- Library has initiated 'Library alert service' i.e. LAS wherein all the faculty members are kept updated with the recently arrived content/e-content and other information through e-mail.
- Library organized a training programme on 'easy access of e-books' for its users.
- Library has three computers separately allotted for facilitating users to fill on- line examination forms.
- Library has Book Bank Section that issues course/text books to the students on minimal charges which they can keep throughout the academic session and return after the examination.
- Library has Display Board for current arrival books. This is one of the main attractions of the library area; it is often crowded by the students and has captured attention more through word of mouth publicity among the students themselves.
- Library has a reading room where news papers and magazines are kept.
- Library has planned a questionnaire that will collect users' responses on the library services and further improvements they expect.
- Library is now under CCTV surveillance. This has immensely enhanced the library security.

- Three computers have been installed for students for on-line submission of exam forms. One computer for Assistant Librarian and one for Circulation section has also been installed to reduce processing time.
- Library hall has been renovated with new tiles. All the old library chairs are replaced with the new comfortable chairs.

University College of Commerce Library

The UCCMS library has an advisory committee consisting of 4 faculty members with a convener. From time to time various decisions are taken for students facilities

- Total area of the library : One hall, four rooms and one storage area
- Total seating capacity: 100
- Working hours: On working days- 10.00 to 5.00 p.m.
- Before examination, during examination, during vacation: 10.00 to 5.00 p.m.
- Layout of the library: One e-library, Reading area, Adequate sign boards.
- Mode of access to collection – Through Book Bank, Library Cards, On the spot reading

    Library holdings

- Print (books, back volumes and theses): Books- 24326, Back Volumes- 2160, Theses - 341
- Average number of books added during the last three years: 2297
- Electronic (e-books, e-journals): 32
- Tools deployed to provide access to the collection: OPAC
- Total number of computers for public access: 13

- Internet band width speed: 10GB

- Average number of books issued/returned: Issued; 8016, Returned: 5772
- Average number of books added during the last four years: 2678
- Reprography: Yes
- Details of the annual library budget and the amount spent for purchasing new books and journals: Non Plan:1,65,000, Utilized: 1,64,927
- The efforts made towards the infrastructural development of the library in the last four years: Floor Tiles installed in Library Reading Hall

4.3 IT Infrastructure

The university has a comprehensive IT policy with regard to IT Service Management. It has a full fledged internet centre which implements, maintains and upgrades/repairs internet services (both inter and intra net), WiFi, Broad band etc.

Access to social networking and other objectionable sites has been blocked within the campus. Network security is ensured by entry to the network strictly being through username and password generated by the Internet Centre through a secure software. There are firewalls as well as good quality antivirus software in place to minimize hacking attempts and corruption of data. In addition to routine software, the university also purchases specialized software like those related to image processing, checking of

plagiarism, technical software and tries to ensure that no pirated software is officially used.

From the point of view of free availability, reduction in expenditure on expensive licensing and relative security, the university strongly encourages and routinely uses Open Source Resources like Ubantu operating systems and Fire Fox explorer. Always aware of its responsibility to the environment, most computer systems have upgraded to the newer, greener versions of computer hardware especially by replacing the old CRT monitors with LCD's. Monitors are switched off when computing programs, which can sometimes take hours, are being run.

Desktop computers are installed in the rooms of all the faculty members and research laboratories. UG and PG students have access to the computers from the e-libraries and departmental libraries. Girl students residing in the hostel have access to Computers and Internet from the computers installed in the hostels. Wi-Fi access is also available in the premises of some of the departments. The university maintains a comprehensive website with all pertinent details displayed on it. This includes courses, fee structure, hostel and other facilities, research related information such as : Important announcements like dates/schedules of examinations, new projects, dates of PGR, selection list etc.

Details of the university's computing facilities:

TYPE OF SYSTEM	Number
SERVER SYSTEM: 1. Intel Xeon E7 2803 (Six Core) 1.73 GHz processors with 18MB,cache, 64bit technology, 32GB RAM	1
DESK TOP SYSTEMS	
1. i5-3470s Processer based desktop systems with 4 GB DDR3 RAM and 500GB HDD, 18" LCD monitors	14
2. Intel Pentium Core 2 Duo , 2GB RAM, 320GB HDD,18" LCD monitors	120
3. Intel Pentium Dual Core based Desktop Systems with RAM 1GB to 2GB, 14" to 17" LCD monitors	118
4. Intel Pentium IV based Desktop Systems with RAM 512 MB to 1 GB, 14 to 17" LCD monitors	242
5. Intel Pentium IV based Desktop System with RAM 512 MB to 1 GB, CRT VDU	160
6. Intel Celeron based Desktop Systems with RAM 256 MB to 512 GB, CRT VDU	86
7. Processor AMD Sempron, System memory 512MB Flash memory 1GB	40
LAPTOPS:	
1. Intel Celeron based	8
2. Intel Pentium based	42
3. Intel Core 2 based	4

Computer-student ratio	1:8
Number of nodes/ computers with internet facility	618

Annual budget provided for maintenance is on a two tier basis:

- Department Level   :   Rs 5,000/- to each Department
- University level   :   Rs 5 lakhs   for   Computer Network

Dedicated computing facilities are available at departmental level, University college libraries, central library and the computer centre. Normal working hours of the university computer centre is 9AM to 6PM. At present, computing facilities are provided free of cost to faculty members and research students. Access to computing facilities are also provided free of cost to all the students and faculty members through campus network. Students and faculty members can get access to the computing facilities by submitting an application. All campuses of the university have Wi-fi and LAN. University computer centre develops software packages for general administrative purpose in consultation with the departments and units. Most of the departments have created software for use in the research work by customizing software packages. Faculty members from a few departments write their source codes to implement algorithms for their research work.

The university has made budgetary provision of Rs 5000/- to each department towards maintenance of Computers and its accessories. The maintenance of Internet and networking equipments are done by the Internet centre. Two Network maintenance engineers from the Internet centre regularly visit departments to check the network access and maintain a log of the status of the computers and network. In some of the departments, notebook computers are provided to the teaching staff to prepare computer aided teaching and learning materials. Almost all departments have LCD projectors and computers to facilitate computer-aided teaching. University Computer Centre promotes use and development of learning materials by providing necessary man power support for digitizing learning materials published under educational resources and by protecting them under intellectual property. University also offers financial assistance to projects involving content creation and digitization. University has intranet web publishing and content creation facilities.

The university is fully committed to ensuring authenticity of research work and avoidance of copyright conflicts. While this aspect is automatically ensured on submission of papers in peer-reviewed journals which usually require a certification that ethical norms have been followed and that there is no conflict of interests, the university now ensures this aspect for Ph.D theses too. Students are required to give a certification of originality of work, presentation etc. with sole responsibility on a 100 Rs. stamp paper at the time of submission of the thesis. At the individual level, the research supervisors check the work through plagiarism detection software available online.

Mohanlal Sukhadia University is slowly moving towards becoming paper-less university. The new technologies deployed by the university in enhancing student learning and evaluation during the last four years can be summarized as follows:
- The university has a well-developed, comprehensive website which is regularly upgraded

- Teaching plan/tutorials/some presentations/notes/question papers etc. are uploaded on the website.
- Examination timetables/results/various application forms etc. are available online (the university website)
- The university has established some regional centres in remote, tribal areas to provide access to students from these regions
- These practices adopted by the university reduce the physical as well as financial burden on students from urban and rural areas
- Library resources like e-journals, e-books etc. are available through the university website.
- Research students have access to powerful remote computing facilities in institutions like IUAC, IISC, PRL etc. through the university.

- The University has a dedicated Research related website which has comprehensive information related to research/Ph.D programs.
- The site is updated atleast once a week and more to give important notices, results of entrance/course work examination, interviews, invitation for application as project fellows, RA, etc.
- It has several standard downloadable forms/instructions for both supervisors and research students.

Almost all PG departments are equipped with smart boards/LCD projects which are routinely used for classroom teaching. Teachers have wide access through the university web-site to specialized teaching material/journals etc. for personal upgrading of their knowledge for better and more effective teaching and quality research.Most faculty/research students submit their papers through the on-line process followed by research journals. All departments in the faculty of science have atleast one class-room/seminar hall which are ICT enabled and which are routinely used at the PG/research level. Similar facilities are available at the college level in other faculties. The faculty can make use of skilled programmers, computer operators etc. in the university to assist them with teaching-learning materials and to develop special soft-ware/programs that may be required by them. Teachers often make use of the computing facilities available in the university to assign and execute student projects

The internet centre looks after the maintenance of the WiFi/Network/broad band etc. Repair/maintenance/upgradation of computers and accessories are done from local funds of colleges/departments as well as from individual projects of faculty.The institution is an active member of INFLIBNET and DELNET. Following services of INFLIBNET are available to the users from the institution

- Access to about 5000 electronic journals

- Access to the Union Catalog

- Inter library loan Service

- Full text article facilities on request

- Support for the Library Software SOUL Training programme

The university avails web resources such as Wikipedia, dictionary and other education enhancing resources through search engines and has a policy of debarring questionable websites. The faculty/students are urged to acknowledge the source of any material downloaded from the internet.

The following plans have been envisioned for a gradual transfer of teaching and learning from a closed university information network to an open environment :

- At least one smart class room in each of the 33 departments with Multimedia Projectors, Interactive Panels etc.

- Video conferencing systems in each of the colleges

- Teaching one paper or atleast one unit from each paper using smart class rooms in each PG course

- WI-FI enabled campus

- Digital Library in all faculty libraries

- Repository for E-books and PPT

- Video conferencing facility for selected classes

- Making available Video lectures on web site and making available to affiliated colleges through service centres at different districts

- Web Seminars and web casting of Lectures

- Video Lectures on demand facilities

4.4   Maintenance of Campus Facilities

The university has an estate office at the old campus in addition to main office with an engineer in charge with a junior draughtsman and other supporting staff. The estate office looks after and routinely maintains lights, fans, furniture, black boards, electrical connections, laboratory safety and special requirements like tiling of work spaces, exhaust fans etc.

The estate office also has given adequate support and help in landscaping/gardening like in the old and new campuses. University Estate office has site office at old campus in addition to the main office. It is adequately staffed to provide maintenance services for the infra-structure. It also provides planning for future expansions. In addition to this chartered services of architects are engaged from time to time. Services of cleaning and equipment maintenance are engaged on contract. The University has workshop facilities to undertake minor repair works including glass blowing facilities.

Criterion V: Student Support and Progression

5.1 Student Mentoring and Support

The university leadership strongly believes that student support services in varied forms are necessary to facilitate the progression of a young learner into an advanced achiever. An administrative body comprised of a Dean Student Welfare, Chief proctor and assistant DSWs as well as proctors (one/ constituent college) is constituted to take care of student problems, provide guidance and counseling, manage cultural and sports activities and to look into matters of harassment of women, prevent ragging, as well as to ensure smooth and fair conduct of student elections. The SC-ST cell looks after the rights of students from this category. Skill development centre takes care of the communication skills of the students, where as remedial classes, coaching classes, extra classes are held regularly to help under achievers and provide guidance for appearing in competitive exams like civil services, PSC, PMT, PET etc. Anti ragging committee is constituted every year to ensure that the campus remains ragging free.

Location of the university in socio-economically backward area dominated by tribal population makes it more accountable to students' support and progression. Right from the beginning, the students are guided through a reader-friendly Information Bulletin containing detailed information about general and academic administration, available courses, eligibility criteria, prescribed fees, hostel facilities (5 each for men and women), scholarships and free ships, sports facilities, co-curricular infra-structure and an academic calendar. Liberal financial support through social welfare schemes of state and central agencies, merit scholarships, adequate hostel accommodation and academic environment conducive to learning has helped in increasing number of students joining university and maintaining the drop-out rate significantly low. Employment cum Advisory Bureau publishes a monthly Bulletin "Vyavsayik Marg Darshan Nirdeshika" and offers counseling service for students and problems related to them, Psychological tests like Intelligence, Personality, habits, etc.

Student projects and seminars are insisted upon which not only enrich their subject knowledge, but also imparts comprehension and good writing and communication skills. Students are encouraged to interact with research laboratories to encourage them to opt for a research oriented career in their chosen subject. Social workers, industrialists, administrative officers and soft skill developers are regularly invited to address and interact with the students. SC/ST and economically weaker section students get Scholarships, Exemption from tuition fee, Hostel accommodation on priority, Remedial coaching etc. The DSW/Dean publishes student magazines with students and faculty as the editorial board at the university/college level. The university has a student placement cell and companies conduct campus interviews from time to time. The university Alumni association mainly concentrates on developing liaison with alumni, placement and arranging assistance for research activities. A Grievance Committee has been constituted to look into various student problems. The university as well as individual constituent colleges have a student's union which also looks after the student problems and acts as a liaison between the students and the university leadership.

Holistic development of students is ensured through making available ample opportunities for showing their creative side as well providing them facilities for improving their physical capabilities. The Dean student Welfare office organizes annual

competitions such as essay writing, debates, poster making, on the spot painting, rangoli, mehendi, group/solo dance and song, one act play, mimicry etc. in all constituent colleges as well as at the university level. The sports board is involved in maintaining the basket ball ground, volleyball ground, cricket grounds, running track and athletics grounds, indoor stadium with badminton court, gymnasium, Yoga centre etc. Recently another dimension to the sports activity has been added by including adventure sports. A training wall for rock climbing has been erected in the grounds and nature treks, boating etc. are organized for students. The university has hosted national level sports events such as the All India Inter-University Archery (M/W) Tournament 2009-2010, All India Inter-University Boxing (M/W) Tournament 2010-2011, All India Inter Zonal & West zone University Badminton M/W Tournament 2011-12, All India Inter University Weight Lifting, Power Lifting (M/W) & Best Physique (M) Tournament 2012-2013 where students won Gold, silver and Bronze Medals in archery, weight lifting, power lifting and boxing. The MLSU team won the Team championship of West zone Inter University Badminton (Men) consistently for the session 2010-11 & 2011-12. MLSU also hosted one week long 27th West Zone Inter University Youth Festival beginning from 5th December, 2011.

Establishment of Remedial Coaching Centre by UGC has augmented our efforts in retaining students from underprivileged society for their upward progression. University has created very strong units of NCC in Army, Naval and Air Wings which are not only involved in social services but are also helping in national integration. Nine units of NSS in different faculties are playing meaningful role in social development, community service and health awareness programmes. All constituent and affiliated colleges hold a week long cultural events which culminate in to an annual inter-college cultural event hosted by the university. These events provide a platform for showcasing the creativity and talent among the students.

Swarnim 2012
Annual Inter-College Cultural Festival
Gavri 2010
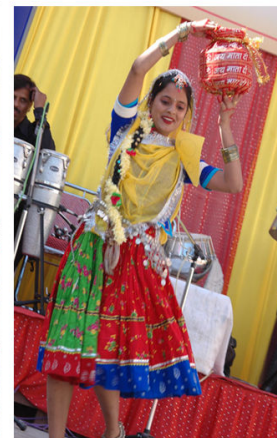
# 27th West Zone Inter – University Youth Festival, December 2011

As a part of its Golden Jubilee celebrations, Mohanlal Sukhadia University was proud to host the 27th West Zone Inter-University Youth Festival from 5th to 9th December, 2011. The Youth Festival was sponsored jointly by the Association of Indian Universities and the Ministry of Youth Affairs and Sports, Government of India. With the participation of 1232 students from 35 universities located in the states of Maharashtra, Goa, Gujarat, Madhya Pradesh, Chattisgarh and Rajasthan this was truly a cultural and artistic mega event. Shri Ajay Makan, State Minister of Youth Affairs and Sports, inaugurated the event which was graced by dignitaries like Prof. C.P. Joshi, Shri Mangilal Garasia, Dr. A. D. N Bajpayee, Shri Raghuveer Singh Meena and Smt. Sajjan Kataria.

Overall Championship -27th West Zone Inter-University Youth Festival - Banasthali Vidhyapeeth Rajasthan

The twenty four events, adjudicated by 40 judges from different parts of the country, were arranged at four venues within the university campus. The main events were Music, Literary, Fine Arts, Dance and Theatre with several subcategories like classical solo/group dances, instrumental, mime, one act plays, debates, quiz, on the spot painting, clay modeling etc. The folk orchestra was indeed a treat since it is fast fading away as an art form. Along with the originality and quality, the long, intense hard work which went into the preparation of these items was clearly visible. Banasthali Vidhyapeeth University, Rajasthan won the overall championship with the University of Mumbai, Maharashtra as runners up.

The university publishes "SIKHAR' and 'UNMESH' to highlight students' achievements and literacy prowess. The University has launched its own newspaper 'Campus News' on October 29, 2012 which is available on the web-site of the univeristy. The newspaper is currently in Hindi and it is planned to publish it in both English and Hindi.
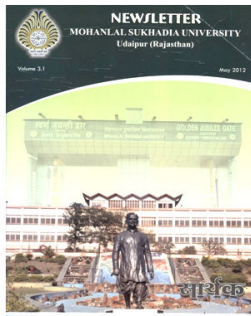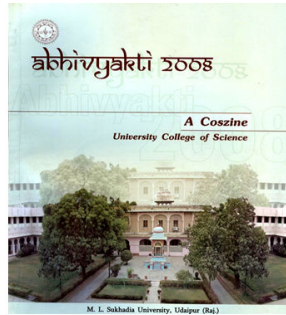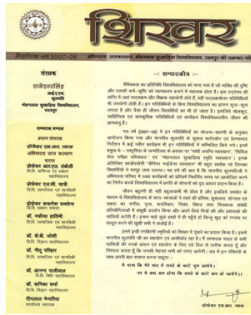
Few University Publications

Shikhar – DSW Newsletter
Sarthak – University Newsletter
Ahivyakti – COS Magazine

In addition to regular teaching, teachers encourage students to approach them on one to one basis for any advice/help/guidance etc. Students are assigned projects which require extensive research which not only enriches their subject knowledge but also imparts comprehension and good writing skills. Student seminars are held regularly which is instrumental in soft skill development and sets the stage for the student to face future interviews/public fora successfully. Students are encouraged to interact with research laboratories to encourage them to opt for a research oriented career in their chosen subject. Competitive exam coaching centre has been constituted to help, provide guidance and coach students for appearing in competitive exams like civil services, PSC, PMT, PET etc. Experts from various fields like social workers/industrialists/administrative officer and soft skill developers are invited to address and interact with the students regularly. In order to facilitate financial transactions and matters the university has signed an MOU with ICICI bank and a branch with an ATM is available in the campus.

The university publishes its updated prospectus and handbook annually. The following information is provided in the Information Bulletin:
- Vision and mission of the University
- Courses wise number of seats and eligibility criteria
- Reservation provisions
- Admission procedures
- Co-curricular activities
- Hostel accommodation
- Scholarships
- Fee structure
- General rules and regulations pertaining to discipline etc.
- Academic calendar
- About the departments and faculty
- Examination schedule
- Telephones of officials and faculty

For physically challenged / differently-abled students wheel chairs, barrier free entrance and ramps and provisions of writers during the examinations in case of blind candidates are provided. For providing access to differently-abled users (blind) following equipments have been installed in two computers of e-library.

- Scanner, reader & magnifiers (Readit wand)

- Screen reader & magnifier (Supernova)

- Braille Display (Seika)

- Braille Embosser (Basic-D) with DBT Braille Translator

SC/ST and economically weaker section students get the following support services:
i.   Scholarship
ii.   Exemption from tuition fee
iii.   Hostel accommodation on priority
iv.   Remedial coaching
v.   Guidance on matters of admission, scholarship and placement.

The university also undertakes the financial liability and mentorship for sending students to participate in competitions at the state/national level. Departments generally extend help in developing/printing of materials to be presented at the conference/projects. Due weightage is given to sports persons in admissions based on their performance. The university has a well equipped gymnasium/indoor games court and a yoga centre. Computer literacy is ensured by including a compulsory paper at the UG level. Performance enhancement for slow learners is done through remedial classes. Exposure of students to other institutions of higher learning/ corporates/business houses, etc. is ensured through field studies, projects, study tours, industrial training and also interaction with people active in these sectors through invited lectures. The DSW/Dean publishes student magazines with students and faculty as the editorial board at the university/college level.

For enhancing student participation in sports additional academic support is given by including the time taken for these activities in the student's attendance. Fully committed to the promotion of sports and games, the following facilities are provided by the University Sports Board for sports participation:

- Rs. 150/- D.A per day to every member of the university sports team.

- Rs. 550/- Sports kit grant every member of the university sports team.

- Rs.25/- Coaching camp/Match allowance Per day/match.

- Convenience, Rail/ Bus/ local allowance as per norms.

- Major Playing Equipment as per norms.

- Medical first Aid & as per norms.

- Group Life insurance as per norms.

- Cash Prize on "National Sports Day Honor" ceremony for Best Players

- Motivational classes through recourse persons& Audio -Video aids

The university bears travel/lodging/boarding expenses of students as a university representative who participate in sports and extracurricular activities at the state/national level

The university has a student placement cell and companies conduct campus interviews from time to time. The university has an MOU with a placement agency called 'Aspiring Minds' for this purpose. **MLSU** and **Aspiring Mind**, jointly organized the **AMCAT test**, free of cost, in which 301 students of this university got AMCAT Score card. Based on this score values, following companies short listed the candidates for campus interview and selected the candidates based on companies requirements.

S.No.	Company Name	Number of Candidates
1.	Genpact	95
2.	Galaxy Weblink	65
3.	Planet of Web	26
4.	HCL	10

Axis Bank launched the 3rd batch of Axis Bank Young Bankers Program nationwide during October, 2012, and students with AMCAT score appeared in this program.
Further, L&T and Vedanta Group Company collected the biodata of candidates from the Placement Cell for short listing of prospective candidates for campus interview.

The Alumni Association of the university was constituted in year 2010. The association mainly concentrates on developing liaison with alumni, facilitating placement and

arranging assistance for research activities. The rules and regulations for the association are written in the constitution. The executive body is elected from the members and regular meetings of the association are held to discuss the promotion of its activity. The association has recently erected a statue of Ma Saraswati – the Goddess of knowledge in the garden in front of the Administrative block.
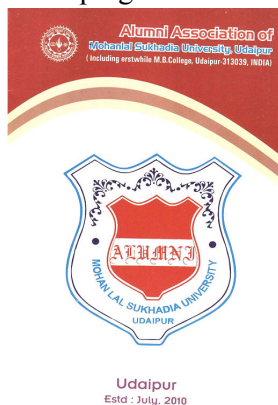
The university has a student grievance redressal cell and a committee. Major functions of the grievance committee are to look into the complaints regarding admissions, evaluation, unfair means etc. There is a central cell to look into the matters of sexual harassment which also monitors and take necessary measures to prevent sexual harassment in the campus. Anti-ragging committees at the DSW as well as individual constituent college level have been constituted to look into matters of ragging. It is a matter of great pride to the university that due to the vigilance of these committees, not a single case of ragging has been reported on the campus. The goals and objectives of the University are prominently displayed in the Information Bulletin given to the student community at the time of admission. The University web site provides adequate space to these goals. They find place in all the offices of the constituent colleges, hostels, guest-house, library and

other major buildings of the university. Immediately after admission the students are made aware of these goals and objectives. A safe and congenial atmosphere is ensured for women students through the active participation/mentoring of women teachers as a part of the group both at the training and travelling stages.

5.2   Student Progression

At present the the total number of students in the university is as follows:

❋ **Details of UG students enrolled in the current year**

Name of College	No. of students enrolled									
	SC		ST		OBC		Gen		Others	
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
Constituent Colleges	539	145	655	114	1064	326	1269	717	166	135
Affiliated Colleges	6545	4755	21317	12749	17623	13489	16977	18719	---	----

❋ **Details of Students enrolled in the current year for P.G classes:**

Name of College	No. of students enrolled									
	SC		ST		OBC		Gen		Others	
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
Constituent Colleges	249	81	201	68	404	196	547	576	36	25
Affiliated Colleges	1388	990	2683	1681	3010	2981	3779	6490	-	-

❋ **Details of Students enrolled in the current year for other courses:**

Name of College	Course									
	Diploma					Certificate				
	SC	ST	OBC	Gen	Other	SC	ST	OBC	Gen	Other
Univ. College of Social Sciences and Humanities	05	04	18	68	06	04	07	07	12	-
Univ. College of Law	11	02	18	36	02	-	-	-	-	-

❋ **Details of Students enrolled for Ph. D in the current year**

Name of College	No. of Students Enrolled									
	SC		ST		OBC		Gen		Others	
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
Univ. College of Science	-	-	-	-	01	-	01	-	-	-
Univ. College of Commerce & Management Studies	02	02	-	-	01	01	09	15	-	-
Univ. College of Social Sciences and Humanities	08	02	05	03	07	06	07	20	-	-
Faculty of Management Studies	-	-	01	-	-	-	02	07	-	-

The Programme-wise data and the trends for student progression for the last four years is as follows:

Student Progression	%
UG to PG*	34.39
PG to M.Phil.*	40.4
PG to Ph.D.	30.27
Ph.D. to Post-Doctoral	6.83
Employed	53.7

The number of students who appeared/qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services etc. is given in the table below:

Department	NET	SLET	GATE	Defense	Civil Services	GSI
Acctt. Stat.	5	-	-	-	-	-
Biotechnology	36	-	-	-	-	-
Botany	26	-	-	-	4	-
Business Administration	5	3	-	1	-	-
Business Management (MBA)	10	-	-	-	-	-
Chemistry	50	-	-	-	-	-
Economics	5	-	-	-	1	-
English	2	1	-	-	-	-
Environmental Science	25	9	-	-	-	-
Geography	50	15	-	-	5	-
Geology	2	-	1	-	-	8
Hindi	15	10	-	-	-	-
History	25	-	-	-	-	-
Jainology & Prakrit	11	-	-	-	-	-
Library &Information Science	5	-	-	-	-	-
Mathematics & Statistics	33	-	6	-	-	-
Music	8	3	-	-	3	-
Pharmacy	-	-	48	-	-	-
Philosophy	2	-	-	-	-	-
Physics	10	-	7	-	-	-
Political Science	28	-	-	-	-	-
Psychology	3	-	-	-	-	-
Public Administration	9	-	-	-	-	-
Rajasthani	2	-	-	-	-	-
Sanskrit	14	7	-	-	-	-
Sociology	11	-	-	-	2	-

Urdu	10	-	-	-	-	-
Visual Arts	10	-	-	-	-	-
Zoology	2	-	-	1	-	-
TOTAL	414	48	62	2	15	8

CONVOCATION:

The Convocation event is justifiably an elaborate ceremony which marks the dignity of the degree and represents the culmination of hard work and perseverance. It is a rite of transition – to an adult world to begin the serious business of 'life'. As often pointed out, can there be true change if it is not acknowledged? In recognition of the importance of the convocation ceremony, which for a student is one of life's most memorable and cherished events, MLSU has fixed 21st/22nd December of every year as convocation day. This date has been chosen since the annual 'Shilpgram' festival in Udaipur starts on the 22nd of December which is inaugurated by the Governor, who is also the Chancellor of the university. The occasion therefore becomes even more rewarding as students receive certificate of graduation, merit etc. from the Chancellor himself/herself while the Chancellor is directly able to gauge the academic achievements of the university. Gold medals are distributed and other high achievers are mentioned.

5.3   Student Participation and Activities

University Sports Board

The University has a full-fledged and active University Sports Board (USB) for the promotion and development of games and sports amongst the students at the University centre and its Affiliated Colleges. The Board has started running a master's degree course in Physical Education, M.P.Ed., from the session 2009-2010 on self financed scheme basis. The board, headed by a Chairman and assisted by a Secretary, is a policy making body and has an independent designated budget, offices and ground facilities. The Vice Chancellor constitutes the University Sports Board consisting of the following members:

- The Deans of the Constituent Colleges
- Principals of Government and Private Affiliated Colleges
- A Lady Member of the Faculty
- Comptroller of the University
- Coaches and Games Secretary of the Central Students Union

Yoga room
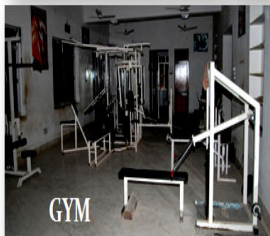
GYM

- Playgrounds
- Six Lane, Red Clay Athletic Track
- Basket ball Courts (cemented)
- Cricket Ground (2, Turf wicket of 'Ranji standard')
- Football ground (lush green national standard)
- Hand ball Courts (Red Clay)
- Hockey ground (lush green, national standard)
- Kabaddi & Kho –Kho courts (Red Clay)
- Lawn tennis Courts (Cemented)
- Squash Court (Cemented)
- Volleyball courts (Red Clay)
- In-door badminton court
- Fully equipped gym and yoga rooms

The University Sports Board has adopted the following Three Tier System (TTS) for promotion and development of games amongst the students of University and its Affiliated Colleges

i. Mass participation in various games & Sports through Inter classes tournaments.
ii. Selections & Coaching for the participation in the inter collegiate tournaments.
iii. Selections & Coaching for the participation in the inter University tournaments.

Fully committed to the promotion of sports and games, the following facilities are provided by the University Sports Board for sports participation:

- Rs. 150/- D.A per day to every member of the university sports team.
- Rs. 550/- Sports kit grant every member of the university sports team.
- Rs.25/- Coaching camp/Match allowance per day/match.
- Convenience, Rail/ Bus/ local allowance as per norms.
- Major Playing Equipments as per norms.
- Medical first Aid& as per norms.
- Group Life insurance as per norms.
- Cash Prize on "National Sports Day Honor" ceremony for Best Players
- Motivational classes through recourse persons& Audio -Video aids

Inter-Collegiate Tournaments are organized and University teams are sent for the Inter University Tournaments (IUT) every year where the finals for the various events are held by the Inter University Sports Board of India under the Association of Indian Universities (AIU) and Ministry of Youth Affairs, Government of India. To felicitate the best players/Medal winners at ICT/ IUT& International events, the USB organizes "Sports Day Honor Ceremony" every year on 29th August 2012 .

SOME NATIONAL LEVEL SPORTS ACTIVITIES ORGANIZED BY THE UNIVERSITY SPORTS BOARD (last four years)

- All India Inter-University Archery (M/W) Tournament 2009-2010 .
- All India Inter-University Boxing (M/W) Tournament 2010-2011.
- All India Inter Zonal & West zone University Badminton M/W Tournament 2011-12.
- All India Inter University Weight Lifting, Power Lifting (M/W) & Best Physique (M) Tournament 2012-2013.

All India Inter-University Archery (M/W) Tournament 2009-2010

First All India Inter University (W) Boxing Championship 2010 -2011

ACHIEVEMENTS OF LAST FOUR YEARS:

One Gold & Two Bronze Medal secured by the Archers of the university team in the All India Inter-University Archery (M/W) Tournament 2009-2010.

One Gold, One Silver & Two Bronze Medals secured by the boxers of the University team in the All India Inter-University Boxing (M/W) Tournament 2010-2011.

The MLSU TEAM have won the Team championship of West zone Inter University Badminton (Men) consistently for the session 2010-11 &2011-12. Stood at the fourth place in all India Inter Zonal University Badminton (Men) Tournament 2011-12.

Badminton Tournament (M/W) 2011-2012

It is a matter of great pride to the university that Mr.Vikramaditya Chofla and Mr. Ravi Raj Sharma, Members of the winning team of West zone Inter University Badminton (Men) tournament 2012, have been selected to represent the Indian University Badminton (Men) Team in the World University Badminton Championship to be held in South Korea.

West Zone Inter-University Cricket (M) Tournament, 2007-08

All India Inter University Weight Lifting, Power Lifting M/W & Best Physique (M) Championship 2012 -13

Students of MLSU won two Silver Medals in the All India Inter University Weight Lifting, Power Lifting (M/W) & Best Physique (M) Tournament 2012-2013.

ADVENTURE SPORTS

As a part of its initiative to introduction of adventure sports, the university has constructed a rock climbing training wall. This Rock Climbing Wall is the first of its kind in Rajasthan. The wall, equipped with auto belay system for safety is 33 feet high (10 meters) and can accommodate two persons at a time. Of the many types of rock climbing also known as Top Play Climbing that can be learned on the wall, only three types will be introduced for now, namely Top Play, Lead Climbing and Speed Climbing, the focus being on enhancing climbing skills of students to eventually reach a professional level of Rock Climbing as a sport. Participants need to be physically fit and have knowledge of initial trekking to take Rock Climbing seriously.

Adventure Sports

The first Rock Climbing Wall in Rajasthan - 33 feet high, capacity for two persons at a time

Water sports events (August 11-12, 2011) Wakeboard surfing and towable boating

The Board has also organized an adventure sports event in 2011-2012, focusing on water sports.

The event was held in the beautiful Fateh Sagar Lake in Udaipur.

The events consisted mainly of wakeboard surfing and towable boating.

As a part of the drive aimed to promote heritage consciousness, the following seminars were held:

- National Seminar on 2-3 Feb., 2010, on the theme "Rural Tourism in India"
- National Seminar on 2 to 3 Dec. 2011, on the theme 'Cultural Heritage in India with special reference to Rajasthan and its neighboring' workshop on Cultural Heritage on 30 April, 2012

World Tourism Day 2010 was celebrated with many colleges participating in the various programmes and competitions held on September 27th, 2010, in the Faculty of Management Studies (FMS), in collaboration with the Department of Tourism, Government of Rajasthan and TRC, Udaipur. The theme of the World Tourism Day 2010 was "Bio-Diversity and Tourism".

The university as well as individual constituent colleges have a student's union consisting of the following members:

Central Union:	*University College Union:*
President	President
Vice President	Vice President
General Secretary	General Secretary
Joint Secretary	Joint Secretary
University college representatives	Class representatives

In addition to liaising between the administration and students, the students union is instrumental in organizing cultural and sports activities at the university and respective college levels.

Funds for student activities are obtained from fees under the following heads:

- Student union fee (university and college level)
- Student union election fee (university and college level)
- Entertainment and sports fee at the college level

The students are part of the editorial board of various magazines published by the university such as: Darpan, Abhivyakti, etc.

Criterion VI: Governance, Leadership and Management

6.1   Institutional Vision and Leadership

VISION OF THE UNIVERSITY

"To provide knowledge and quality based education to the students by inculcating moral values, scientific temper and employing state of the art technologies. It aims to pursue excellence towards creating manpower with high degree of intellectual, professional and cultural development to meet the national and global challenges."

MISSION STATEMENT

1.   To impart value based education leading to holistic development and preparing enlightened citizens.

2.   To provide up-to-date, relevant and need based knowledge.

3.   To utilize the acquired knowledge in solving problem and innovation through research and development.

4.   To integrate latest technology such as Information and Communication Technology with teaching, research, extension and governance.

5.   To help students to think rationally and develop ability to work in multi disciplinary teams.

6.   To ensure access of all sections of the society for higher education keeping in view the prevailing socio-economic deprivations.

7.   To increase access of women to education and ensuring gender justice and their empowerment.

8.   To develop self reliant, enterprising and employable human resource.

9.   To use new knowledge created through research and innovation for sustainable utilization and management of locally available natural resources.

10.   To protect, preserve and promote the cultural heritage.

11.   To provide ambience in environment for freedom of expression in order to create liberal ethos.

The overall mission of the University is to move towards excellence in higher education in order to achieve just, plural and equitable society in consonance with the constitutional values.

The university has been continuously striving to translate into actions the above stated mission statements for the sole purpose of realizing its vision within the scheduled time frame. Consequently the university has set for itself following goals and objectives:

- The university has the primary goal of intellectual and academic development of the society in general and its students community in particular.
- In its curriculum design the university has incorporated those contents which are vital for both the self development of the student as well as the development of the nation as a whole.
- The university has been following a transparent, sensitive and responsive system for providing easy accessibility to the disadvantaged as well as differently abled persons.
- Some of the curriculums of the university focus on ecology and environment related aspects.
- Various vocational, employment oriented courses having global outlook, have been launched from the academic session 2000.

The leadership of the university starting with the Vice-chancellor and the Board of management, at the highest level gives leadership to the deans, directors and the academic council and supports the active participation of the staff in the process of decision-making. Both teachers and non-teaching staff have their representatives in the College's Governing Body, which is its top most decision-making body. Various Committees of teaching and non-teaching staff are engaged in planning and implementation of curricular, co-curricular and extension activities in different spheres of institutional day to day functioning.

Thorough discussions on important policy matters are conducted at various levels such as departmental committee, committee of courses, faculty meeting, council of deans and academic council. The suggestions made by these bodies are put forward for ratification in the meeting of the board of management where final resolutions are taken for implementation. The university ensures a healthy relationship exists with its stakeholders. All heads of department address the students at the beginning of the session and acquaint them with the scope and requirements of the courses chosen by them and motivate them to uphold the decorum of the institute.

The status of student's attendance is mailed to the parents to keep them abreast with the progress of their wards. Regular meetings of the University Staff club are held where the teachers can interact with the leadership. The leadership also invites the office bearers of the Sukhadia University Teachers Association to put forward ideas/problems faced by the teaching community and if these issues are within the regulations of the university statutes, they are promptly addressed/implemented. The leadership is accessible to all its stakeholders through a definite hierarchical structure.

Two prominent members from industry/society are inducted as external members of the IQAC cell of the university. Apart from that, time to time dialogue with chamber of commerce and other industrial houses, NGO's etc. is held to involve them in University matters.

Top leadership positions like that of the vice-chancellor, Deans, registrar etc. have never been vacant for more than a year. University ensures that all positions in its various statutory bodies are filled and meetings conducted regularly. Representation of teaching/nonteaching/teachers from affiliated colleges/government nominees/eminent

educationalists/college principals and MLA's ensure a culture of participative management.

The university monitors the proper functioning of affiliated colleges by sending a team of senior faculty members who check whether all the rules and regulations set by the university are being strictly adhered to. The course content, examination pattern, examination dates, question papers/evaluation etc. are done by the university. The university plays an important role in the recruitment of staff to the affiliated colleges since experts and the university nominee can only be called upon from the list approved by the university. The number of seats allotted for a particular course is decided by the university on the basis of infrastructure, staff and other facilities. Autonomous Status of affiliated institutions is promoted by permitting them to introduce new courses and their operation. According to the University Act and Statutes university does not allow conferment of degrees by autonomous colleges?

The university ensures that nearly all the faculty members are members/heads of various committees responsible for the activities of the university. Important posts like head of department, deans/directors etc. are on rotational basis. The broad academic calendar is prepared by the State Government. However, the process of admission, teaching, examination is decided by the University on the basis of the recommendation made by the constituent colleges.

The aim of education is to foster knowledge and skills in a student so that he/she can become productive citizen and contribute to the development of the nation. The university ensures that this aim is realized through the following:

- Periodic revision of syllabi are carried out in keeping with the changing national/international requirements.

- Periodic increase in the intake of students is done depending on the demand of the existing courses.

- Contribution by differently abled students towards national growth is ensured by reserving seats for them at the time of admission.

- Advanced and upcoming subjects such as biotechnology, bioinformatics, IT, nanotechnology are introduced at the PG level and students are encouraged to take up research problems related to these.

- Several diploma and certificate courses are being run for enhancement of vocational skills that will lead to better employment prospects.

- Remedial/coaching classes for competitive exams are being conducted.

- Examination reforms have been introduced in order to test both the in-depth knowledge as well as expression skills of the students.

- Several centres like soft-skill development, entrepreneurship development, equal opportunities cell are being run that students from all walks of life are equipped with skills necessary for getting good jobs or starting their own business.

- Holistic development of students is ensured through various sports activities conducted by the sports board. In addition to the routine sports, adventure sports and yoga have also been introduced.

- A career counseling cell has also been established for helping the students.

- NCC and NSS wings inculcate a strong sense of patriotism, civic sense and a sense of responsibility to the society and nation.

- The women's study centre is running the following courses targeted at self employment:

- Fashion Merchandising and Readymade Garment

- Textile Designing

- The centre also conducts student enrichment workshops on the following themes:
  - Tie & Dye
  - Stitching skills
  - Gift wrapping
  - Excellence with craft material

- Students are engaged in activities like psephology, village studies, tribal village visits, workshops focusing on awareness generation and capacity building of PRI functionaries

- A student needs to be well equipped with qualities like good communication skills, high EQ in addition to IQ, decisive powers, be able to work well in a group but also possess leadership qualities and interpersonal skills to be successful at a global level. The following measures ensure the global competency of students:

- Periodic revision of syllabi in keeping with the changing global needs

- Group projects ensure that decisive powers, capacity to work well in a group, leadership qualities and interpersonal skills are developed

- Seminar presentation and group discussion help develop their communication skills

- Viva Voce during practical examinations instills confidence in the student and prepares them to face interviews.

- Regular soft skill training is given to students.

- Industrial training, summer projects, educational tours give the students exposure to corporate world, and helps develop global competencies.

- Election to student union equips the student with leadership qualities as well as team spirit.

- Organization of cultural programmes, quizzes, celebration of important days etc brings out the creative side of a student.

Apart from a sound education and good academic background, high moral values are also required for being successful. Empathy towards lesser privileged members of society is developed in students by encouraging participation various activities of NSS which include interacting with under-privileged children, village women, etc. understanding their problems and advising them on matters like personal/public hygiene, diseases out-breaks and preventive measures, importance of literacy, gender bias etc. Regular conference/debates on regional social evils issues like foeticide, dowry, 'moutana', 'dayan pratha' etc. are held to change the attitudes and inculcate a sense of moral responsibility in students. Seminars on the life and principles of great leaders and thinkers such as Vivekananda, Mahatma Gandhi etc. are held which reinforces moral values in students. Awareness to environment is inculcated in the students by getting them to plant trees on world environment day and care for them, encouraging them to use bicycles on every second Saturday of the month to reduce pollution. Blood donation camps are organized every year that go a great way to foster a sense of social responsibility.

The University has a number of centres which promote research as well as training and teaching. The UGC Centre for Nehru Studies has been in existence for more than five years and offers courses on Nehruvain thought and contribution. It has organized a number of seminars, extension lectures and workshops on several issues.

The Centre for Human Rights and Duties offers a post graduate diploma course and also promotes research and training for awareness generation and capacity building. It has organized seminars and training workshops in collaboration with reputed national bodies.

The Centre of Initiative for Innovation and Development Action (IDEA) was established in 2010 with support from Ministry of Rural Development-GOI. It has organized workshops and conducted Impact assessment studies.

The population research centre of the university has conducted following studies on socially relevant issues:

- Reproductive Health Status of Tribal Women in Rajasthan

- Knowledge and Satisfaction of Patients about NRHM Interventions at Dungarpur District Hospital

- Impact Assessment of Institutional Delivery Care Services in Tribal Areas of Rajasthan

- Improve the HMIS data quality of Rajasthan 2009-10, 2010-11

- Validation of Pregnant Women and Child tracking in Rajasthan (A study of Badgav Block of Udaipur District)

- Level of reporting of Maternal and Child Health Services mainly Institutional Delivery and Immunization in the HMIS in Public and Private Institutions and ways to Estimate missing data: A study of Bhilwara District

- Level of reporting of Maternal and Child Health Services mainly Institutional Delivery and Immunization in the HMIS in Public and Private Institutions and ways to Estimate missing data : A study of Bharatpur District.

- Validation of Pregnant Women and Child Tracking in Alwar District of Rajasthan

- Underlying Causes for Data error in HMIS : A Study of Alwar District

- Immunization Status of Children : A study of Gogunda Block of Udaipur District of Rajasthan

- Improve the HMIS data quality of Rajasthan 2011-12

- Performance Assessment of Deliveries : A Field Verification of Bhim Block of Rajasamand District

- Evaluation the Performance of early Registration of Anti-natal Care Services in Rural areas : Study of Rajasamand district

In this era of globalization and advanced technology, it is imperative that we keep up with the fast changing world for significantly improving efficiency at all levels of teaching, learning, evaluation, administration and management. The university aims at becoming paperless and the IT department is constantly involved in developing tailor-made user-friendly software to meet these needs. Following steps have been taken to incorporate technology in the daily running of the university:

- Online filling of admission/examination forms.

- All orders, information from the administrative office to Deans/Heads/Directors are sent through email.

- Bulk messages are sent to staff and students informing them about official meetings, course work classes etc

- All campuses, libraries have Wi-Fi.

- Payments are directly transferred to an individual`s account through e banking.

- Use of OMR sheets for data entry of registered candidates ensure quick processing of data.

- On line submission of practical marks ensures quick publication of results.

- The Data Centre, compiles and keeps records of all student and faculty details

- Student roll number/paper details etc. are encoded using barcode stickers on examination answer books for confidentiality

- Biometric system of attendance has been implemented for teaching and non-teaching staff of the university and also for students in some selected, self-financed courses.

- Most accounting work is done online

- Access to internet facilities through WiFi networks.

- Use of smart boards and power point presentations for teaching

- The university has a well-maintained website with all necessary information, downloadable forms, departmental/faculty details etc.

- Faculty and research students routinely make use of special software for modeling, data processing etc. (ORIGIN, MATLAB, WinNormoss etc.)

- Ebooks and research journals are made available through INFLIBNET

- The university makes use of special software for internet access to prevent misuse (browsing in objectionable sites), and also acts as an effective firewall to prevent hacking.

Quest for excellence

- No educational institution, especially a university, can impart quality education unless it is continuously striving to maintain high standards which imply a constant quest for excellence. Realizing that this is an ongoing process, the following steps are taken to improve all fronts:

- Lectures and workshops by eminent national and international scholars are arranged for the faculty and students

- Student feedback and annual self appraisal report of the faculty enables assessment of the effectiveness of communication and helps identify areas that need improvement

- MOU's that the university has with different institutes of national repute ensure exposure to advanced research methods, current thrust areas and work going on in these fields.

- Attending refresher and orientation courses are mandatory for faculty for promotion

- Newly inducted faculty undergo a rigorous workshop to get acquainted with the university goals, facilities etc.

- The faculty are strongly urged to attend seminars, workshops, conferences for value addition and also publish papers in high impact, peer reviewed journals. They are also encouraged to submit valid research proposals to various funding agencies.

- Extensive computerization of various departments have reduced redundancy wastage of paper and has also decreased the time and effort required for day to day work
- Continuous monitoring and revision of syllabus is undertaken to avoid stagnation and to keep up with the changing needs

6.2   Strategy Development and Deployment

The University has a perspective plan for institutional development and has prepared a long term plan, vision 2020, which is based on the vision and mission goals of the university. Based on such long term plans, a five year plan proposal is prepared for implementation. Proposals are prepared and submitted to various funding agencies and state government as per the master five year plan proposal. Institutional development work is carried out as per the master five year plan. The long term perspective plan is prepared based on the long term plan proposal received from Departments and Faculties. While preparing the plan, Vision and mission of the university, Higher education policies of the Government, national goals and goals set forth by the funding agencies etc are taken into consideration.

The University's internal organizational structure, decision making processes and effectiveness

MLSU Udaipur has been established by the State Govt. through its Legislation vide Act 1962. The Head of the Institution i.e. the Vice Chancellor, is expected to monitor and supervise the functioning of all the administrative and academic units of the university. All the major policy decisions are taken under the stewardship of the Vice Chancellor who is also responsible for all recruitments, promotions, and transfers in the institution. The rights, duties and responsibilities of the Vice-Chancellor are enumerated below:

1. He is the principal executive and academic officer of the University and in the absence of the Chancellor, presides at the Convocations of the University.

2. He is the ex-officio Chairman of the Board, Academic Council and the Council of Deans.

3. He is responsible for presenting to the Board for its deliberations and considerations matters of concern to the University and has the power to convene the meetings of the Board and the Academic Council.

4. He exercises general control over the affairs of the University and is responsible for the due maintenance of discipline in the University.

5. He ensures the faithful observance of the provisions of the Act and Statutes and possesses all such powers as may be necessary for the purpose.

6. In an emergency, which in the opinion of the Vice-Chancellor requires immediate action to be taken, he takes such action as he deems necessary and at the earliest opportunity reports the action taken to the officer, authority or other body who or which in the ordinary course would have dealt with the matter.

7. Where any action taken by the Vice-Chancellor, (under sub section (6)), affects any person in the service of the University to his disadvantage, such person may appeal to the Board within thirty days of the date on which the action is communicated.

8. Subject to the condition given in the previous point, he can give effect to the orders of the Board regarding the appointment, suspension and dismissal of officer, teachers and other employees of the University.

9. The Vice-Chancellor is responsible for close co-ordination and integration of teaching, research and extension work and shall exercise such other powers as may be prescribed.

The University has a number of statutory bodies to oversee the functioning. At the top is the Board of Management which is responsible for all the major academic and administrative decisions. Next in hierarchy is the Academic Council which comprises of all heads of departments, faculty chairmen, Registrar and is headed by the Vice Chancellor. It has two members nominated by the Hon'ble Chancellor and the government. The day-to-day functioning of the university is managed by a Council of Deans which us composed of the Deans of all the constituent colleges, Dean Student welfare and Dean, PG Studies. In the constituent colleges, administration is headed by Dean and Associate Dean. Their team is assisted by a Proctor, ADSW, AO and heads of departments and different centres.

As per the statutes, the University is governed by following statutory bodies :

(i) ADMINISTRATIVE STATUTORY BODIES

BOARD OF MANGEMENT

(1)   The Board of Management shall be the highest executive body of the University and shall consist of the following members, namely;
(i)   The Vice-Chancellor of the University as Chairman.
(ii)   Ex-officio Members:
(iii)   The Secretary to the Government of Rajasthan, Finance Department;
(iv)   The Secretary to the Government of Rajasthan, Education Department;

(v)   The Special Secretary to the Government of Rajasthan, Planning Department;
(vi)   The Director of College Education, Rajasthan; and
(vii)   The Registrar of the University, Member-Secretary.

Ex-officio member mentioned at (i) to (ii) include nominees who are below the rank of Special Secretary to the Government of Rajasthan.

Nominated Members   :

(i) Two persons nominated by the Vice-Chancellor from amongst the Deans for one year:
(ii) Two University Professors nominated by the Vice-Chancellor for one year;
(iii) Two eminent educationists to be nominated by the Chancellor for one year;
(iv) One teacher other than the Professors, working in the University or in a Constituent College to be nominated by the Vice-Chancellor for one year;
(v) One Principal of Colleges from amongst the affiliated Colleges to be nominated by the State Government for one year; and
(vi) Two members of State Legislature to be nominated by the State Government for one year.

Elected Members

(1)   Two teachers who have put in not less than seven years teaching experience in the institutions of higher education in Rajasthan on 1st January immediately preceding the year in which elections are held, other than University Professors, Deans, Associate Deans, Directors of the Colleges of the University to be elected by the teachers separately from amongst themselves for one year.

(2)   Any one third members present at a meeting of the board constitute the quorum necessary for the transaction of its business.

(3)   The Chairman of the Board performs such functions and exercise such powers as are provided in the Act or as may be prescribed.

(4)   The members serve without any additional pay but are entitled to daily allowance and traveling expenses as prescribed.

(5)   The minutes of meeting of the Board are recorded and maintained by the Member Secretary of the Board.

Duties and Function of the Board

The duties and functions of the Board are as follows:

     (a)   To approve and sanction the budget of the University.
     (b)   To acquire, to dispose off, to hold and to control the property and funds of the University and issue any general or special direction on behalf the University.
     (c)   To accept the transfer of any movable or immovable property on behalf of the University.

(d)   To administer any funds placed at the disposal of the University for the specific purposes;

(e)   To invest money belonging to the University;

(f)   To appoint he members of the academic, administrative and other staff of the University in such manner as may be prescribed:

(g)   To direct the form and use of the common seal of the University.

(h)   To appoint such committees, either standing or temporary as it deems necessary for its proper functioning;

(i)   To borrow money for capital improvements and make suitable arrangements for its repayment;

(j)   To meet at such times and as often as it deems necessary provided that the regular meeting of the board be held at least once in every three months and that atleast two third of the regular meetings be held at the University head-quarters; and

(k)   To regulate and determine all matters concerning the University in accordance with the Act and the statutes and to exercise such powers and to discharge such duties as may be conferred or imposed on it by the Act and the statutes.

(II) COUNCIL OF DEANS

(1) The Council of Deans is in charge of all administrative matters pertaining to Constituent Colleges and University Teaching Departments including student discipline in such colleges or departments and makes its recommendations to the Board.

(2)   It consists of :

    (a)   Vice-Chancellor as its Chairman

    (b)   Dean of Student Welfare

    (c)   Deans of Colleges

(III) DEPARTMENTAL COMMITTEES

- Each Department has a departmental Committee consisting of all Professors, Associate Professors and Assstant Professors located at the campus in the Department, not exceeding 9, by seniority.
- The Head of the department is the Chairman of the Committee.
- The Departmental Committee functions under the overall supervision and guidance of the Dean/Associate Dean/Director concerned.

The functions of the Committee are the following:

- To chalk out teaching, research and extension (wherever necessary) programes,
- To assign specific responsibilities to the members of the Department.
- To suggest improvements and modifications in the contents of courses offered by the Deptt. to the Committee of Courses.
- To prepare plans for the development of the Department.
- To prepare departmental budget for submission to the Dean/Associate Dean/Director as the case may be.
- To allot funds and provide facilities to members of the Department to enable them to perform/discharge their assigned duties/responsibilities.

- To review the report of each member of the department on planning and implementation of his research, teaching and extension education programmes.

On all matters aforesaid, decision of the Departmental committee is decided by a majority.

(d)   If a Departmental Committee does not function satisfactorily, and the Head of the Institution is satisfied that an impasse has come about in the functioning of the Departmental Committee whereby the work of the Department is suffering, he may recommend to the Vice-Chancellor suspension of the same for a period not exceeding 6 months at a time. During the period of suspension, the Head of the Department carries out the functions of the Committee under the direct supervision and guidance of the Dean/Associate Dean/Director concerned till the Departmental Committee is reconstituted.

(II) ACADEMIC STATUTORY BODIES
(1) ACADEMIC COUNCIL

There is an Academic Council of the University, consisting of the following as members, namely;
- The Vice-Chancellor-ex officio Chairman.
- Dean of Post-graduate Studies;
- one Professor from each faculty to be nominated by the Vice-Chancellor;
- One Head of a Constituent College to be nominated by the Vice-Chancellor;
- Secretary to the State Government in the Education Department or his nominee not below the rank of a Special Secretary.
- Director of College Education, Rajasthan;
- Heads of University Departments;
- One Principal of an affiliated College to be nominated by the State Government;
- Two persons having special attainment in the field of studies not being employees of the University, one to be nominated by the Vice-Chancellor and the other by the State Government;
- One teacher other than the Professors, from a Constituent College/Department having a minimum te3n years experience in teaching degree or post-graduate classes to be nominated by the Vice-Chancellor;
- One teacher other than the Principals, from as affiliated colleges, having a minimum ten years experience in teaching degree or post-graduate classes to be nominated by the State Government; and
- Registrar of the University, Member Secretary
- The term of office of a nominated or elected member is two years.

The Academic Council is in charge of the academic affairs of the University and is responsible for the maintenance of standards of instructions, education and examinations and for the requirements for the award of degrees and diplomas. It also exercises such other powers and performs such other duties as may be conferred or imposed upon it by the statutes and advices the Vice-Chancellor on all academic matters.

(2) FACULTY

CHAIRMAN OF FACULTIES

(i)   There is a Chairman of each faculty who is appointed by the Vice-Chancellor in the following order of preference:
(ii)   Deans/Directors as Chairman of the faculty of the subject which they profess.
(iii)   University Professor;
(iv)   Principal of Post-Graduate Colleges;
(v)   University Associate Professors.
(vi)   Principals of Degree Colleges.
(vii)   The Chairman holds office for a term of three years.

Functions of the Chairman of Faculties:

1. The Chairman of a Faculty is responsible for the due observance of the Statutes, regulations relating to that faculty.
2. The Chairman presides over the meeting of the faculty and records its proceedings.
3. The Chairman has a right to be present and speak at the meeting of the Committee of Courses relating to his faculty but not to vote unless he is a member thereof.
4. The Chairman of faculties attends the meetings of the Academic Council.

Functions of the Faculties:

The faculties have all powers and perform the duties of the Board of Studies as mentioned in the Act and the statues and the regulations made there under. It also has the following functions:

- To Co-ordinate work in the subject assigned to the faculty.
- To deal with any matter referred to it by the Academic Council or the Executive Committee;
- To remit matter to Committees of Courses;
- To consider any matter within its purview referred to it by the Committees of Courses;
- To hold meetings with the sanction of the Vice-Chancellor with any other faculties or faculty; such joint meeting to be convened by the Vice-Chancellor and to be presided over by him or by a Chairman of the faculty;
- To recommend to the Academic Council what Committee of Courses shall be instituted and the strength of such Committee;
- To discharge other functions as may be prescribed by the Statutes.

Meetings of the faculties are held when convened by the Chairman or by the Registrar on his behalf and half the number constitutes the quorum

(3) COMMITTEE OF COURSES

- There is committee of courses for each subject or group of subjects.
- The number of committees of courses in each faculty as also the number of members of each committee is determined by the academic council on the recommendation of the faculty concerned.

- The Committee of Courses is constituted by the faculty concerned for a period of 3 years and the members of a committee do not exceed 7 in the case of a committee dealing up to postgraduate studies and 5 in other cases.
- There is at least one and not more than two external members on each committee constituted of 5 or less than 5 members and at least two and not more than 3 external members on each committee constituted of more than 5 members.
- In case of a committee dealing up to the Post-graduate study, there is at least 3 internal members who are Heads of the Post-graduate departments or Post-graduate teachers to the extent the number of such heads is less than 3 in the University or any affiliated colleges or approved institutions.
- Each committee has a convener appointed by itself in the following order of preference from among its internal members (internal member means the member who is a teacher in the University, affiliated colleges or an approved institution):

  - ➤ University Professor
  - ➤ Heads of University Departments
  - ➤ Principals of Post-graduate Colleges being Heads of Deptt.
  - ➤ Principals of Degree Colleges being Heads of Deptt.

- The Committee of Courses recommends courses of studies and curricula in their respective subjects and advises on all matters relating thereto referred to them by the Executive Committee or the Academic Council or the faculty concerned.
- A committee of courses may bring to the notice of the Academic Council or the Executive Committee matters connected with examinations in its subject(s) and may also address the faculty concerned on any matters connected with the improvement of courses therein.
- Any two committees of courses may, with the consent of the Vice-Chancellor and at the request of the Academic Council or the Executive Committee, jointly meet and act in concurrence and render a joint report upon any matter, which lies within the province of both. In such cases, the joint meeting elects its own chairman from among the two conveners.
- The quorum of a joint meeting of the committee must include a full quorum of each committee represented, no member present being counted on more than one separate quorum.
- The Committee of Courses prepares the panel of examiners in their respective subjects in accordance with the qualifications laid down by the Academic Council. Complaints received in connection with the question papers are also considered by the committee of Courses.

The Quality Policy of the University :

"To establish and operate an institution that continuously strives to provide a holistic environment for continuous improvement that will benefit all stakeholders by ensuring quality and relevant education which fosters a strong sense of social responsibility and accountability".

The Internal Quality Assurance Cell of the University acts as an academic and administrative audit committee to ensure the quality policy of the University. The IQAC ensures that standards for providing educational services and other aspects such as Admission, Recruitment, Administration, Examinations, Library, Physical Education,

Placement, Co-curricular and extracurricular activities are maintained. Based on the review by the cell, different aspects like Academic Performance, faculty enrichment, upgradation of facilities etc. are continuously modified to meet the standards set by the institution. The cell also invites suggestions from the faculty and other staff for overall improvement of the university – both academic and administrative.

The quality policy of the university aims at imparting education by introducing innovative techniques and providing opportunities for continuous improvement. A holistic development of students is ensured through use of novel teaching techniques for enrichment of knowledge, soft skills, moral values and team spirit essential for success in this era of globalization. The congenial atmosphere necessary for overall development and growth of both faculty and students is ensured by ensuring student-teacher interaction and interdisciplinary approach. The IQAC policies result in a harmonious and healthy but competitive environment amongst the students as well as faculty.

Each department has a U.G. and P.G. Board of Studies which frames/modifies and improves the academic and research programmes. A tier based de-centralized system of administration is in effect in the university. The Board of management is the Apex body and is responsible for policy matter decisions. These decisions are then conveyed to the respective Deans/Directors who in turn appraise the heads of the department. Heads conduct meetings with teaching and non-teaching staff to discuss the implementation aspect. The Minutes of such meetings are recorded and forwarded to the Dean for information. Common agenda such as working of the Departments, requirement of faculty, workload, documentation, Academic matters, Discipline etc are discussed in a meeting convened by the Dean/ Faculty chairman and decisions are taken in consultation with the Heads of Departments.

The departments enjoy a limited autonomy in the form taking decisions regarding day-to-day routine work, framing PG timetables, assigning the stipulated teaching hours/topics to the faculty, maintenance of the department, purchase and disbursement of chemicals, books, maintenance of student attendance etc. Most of the research related activities like collection of fees, implementation of research projects, maintenance of research labs/equipment, thesis/synopsis/coursework approval etc. are also handled at the departmental level. Each department is free to build and maintain its own individual library/book bank/computer labs/internet facilities/seminar rooms etc. Each department is also free to hold seminars/conferences/workshops/symposia etc. and also to invite eminent subject experts to deliver lectures. The departments can also hold campus interviews related to their subjects.

The university has a well defined grievance redressal cell in place. Students usually represent their grievances to HOD, then the dean/faculty chairman which is then put forward to the Grievance Redressal Cell. Prompt and effective disposal of grievances is ensured. The university also has a separate cell to deal with alleged cases of harassment against women.

A total of 130 cases have been filed against the university related to service matters, examination, admission and competitive exams etc. The detailed list will be made available at the time of peer team visit.

A feedback form is available on the university web site: http://www.mlsu.ac.in/beta/feedback.php for this purpose. As mentioned before, departments also have their own feedback mechanisms in place to ensure/monitor academic quality. In case serious shortcomings in teaching/infrastructure are brought to the notice of the department/university, prompt action is taken by constituting a committee to look into the matter. For example, inverters/generators have been installed canteen facilities have been provided major renovation in the girls common rooms have been made computer with internet facilities have been provided in hostels

Regular SWOT analysis is mandatory for all departments of the university. As a result of the various appraisal methods, SWOT and departmental progress review in particular, the faculty were able to identify their strength and weaknesses and rectify these. This has lead to a good API score which has been tremendously helpful in career advancement.

Annual inspections are made for affiliation and during these inspections, the infrastructure vs. the student strength as well as future needs are assessed. University has a vibrant CDC which was established in Oct, 2011. It is headed by a Director and a deputy Registrar along with a few clerical staff members to assist him. The CDC is responsible for overall academic development of all the affiliated colleges of the University. In the last one and a half years of its working, the cell has organized various workshops for the Principals and the Promoters of these colleges with a view to communicate the University's academic policies to them. Similar workshops have been organized for the affiliated B.Ed colleges also. The CDC has also organized many regional workshops at district headquarters to disseminate various educational policies and procedures of the University. The council facilitates submission of project proposal by the affiliated colleges to many funding agencies such as U.G.C., I.C.S.S.R etc.

6.3   *Faculty Empowerment Strategies*

A 5-day rigorous workshop was organized as a part of the orientation process of newly appointed faculty. Apart from this, regular national/international workshops, seminars and conferences are being organized by various departments. The faculty are also encouraged to attend regular national/international workshops, seminars and conferences in other institutions. Attendance of one orientation and two refresher courses are mandatory for promotion to senior scale/selection grade. The faculty are also strongly encouraged to apply for research projects and publish papers in peer reviewed journals with high impact factor. Various workshops are arranged for non-teaching staff mainly with an ICT component, for example maintenance and use of e libraries, use of computer software etc.

Orientation course for recently appointed faculty

University staff enjoy the benefit of various welfare schemes such as :

- Loans for purchase of vehicles/houses/personal loan on an easy repayment basis at an interest rate lower than the banks
- Quick loans can be obtained from the PF of the employee
- Medical bills are re-imbursed
- Clean loan is arranged at reasonable interest rates and well spreadout installments
- Although the university is located within the city limits, the university provides accommodation to teaching and non-teaching staff according to their categories
- Weightage is given at the time of admission for university ward.

The university has strong research departments with a good ambience, necessary infrastructure, equipment etc. necessary for attracting and retaining eminent faculty. Additionally, it also implements all pay commission revisions, provides housing, re-imbursement of medical bills, loans at low interest rates and well spread out installments.

There is an annual gender audit and from the trend observed in the last four years we are proud to say that despite the fact that the university is situated in a predominantly backward and tribal area, the representation of women is very strong and has been steadily increasing over the years. The salient findings are as follows:

| Categories	Year 1 (2008-2009)		Year 2 (2009-2010)		Year 3 (2010-2011)		Year 4 (2011-2012)	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	4063	2010	4066	2136	5157	3034	8731	5975
ST	10425	4826	11578	5685	14589	8296	24862	14615
OBC	8521	5423	8781	5524	11474	7632	22110	16999
General	10323	12346	10135	12977	10291	12081	22591	26544
Others	-	-	-	-	539	873	202	160

Gender sensitization and promotion of women's welfare through the UGC centre for Women's Studies

The Centre for Women's Studies had been established in MLSU in 1989 and offers diploma in (1) Fashion Merchandising and Readymade Garments and (2) Textile Designing. Aware of the keen social responsibility of the University as a whole and the centre in particular, the WSC has been very active in not just holding seminars and vocational training camps many of them targeting weaker sections of the society like tribal girls, but also has actively followed up on the impact of these through annual reports. Some of the prominent activities are given in the table below:

| Year	Activities Completed	Organized by
2007	National Conference on "Dayan Pratha", April 2007	National Commision for Women New Delhi & UGC centre for Women's Studies, MLSU
2008	National Seminar on Behavioral Challenges in Elderly People, January 2008	Department of Psychology, UGC centre for Women's Studies, MLSU, Indian Academy of Well Being, Udaipur
2009	Divisional Level Training for Trainers on Addressing the Practice of Sex Selection and Gender Discrimination	UGC centre for Women's Studies, MLSU
2008-2009	1. Reproductive Health in Teenage Girls 2. Psychological effect of Women and AIDS 3. Complexities of Pregnancy 4. Positive Stress and Natural Treatment 5. Workshop and Lecture on Communication Skills 6. Workshop on Education and Health Consciousness of Tribal Girls. 7. Workshop on Entrepreneurial development and Economic opportunities for Girls 8. Camp of Dental Care 9. Workshop on Economic Growth and Capacity Development of Women 10. Programme on Hariyalo Rajasthan Pariyawaron Chetna and Jagrukta 11. Workshop on Pleasure and Safe Maternal Practices 12. Health Consciousness in Tribal Girls. 13. Programme on Women Consciousness 13. Skill Growth and Self- Employment of Women 14. Programme on Awareness and sensitization against Gender Discrimination	UGC centre for Women's Studies, MLSU

2009-2010	1. Workshop and Lecture on Communication Skills 2. Workshop on Education and Health Consciousness of Tribal Girls. 3. Workshop on Entrepreneur development and Economic opportunities for Girls 4. Camp of Dental Care 5. Workshop on Economic Growth and Capacity Development of Women 6. Programme on Hariyalo Rajasthan Pariyawaron Chetna and Jagrukta 7. Pleasure and Safe Maternal 8. Health Consciousness in Tribal Girls. 9. Skill Growth and Self- Employment of Women 10. Programme on Awareness and sensitization against Gender Discrimination 11.Dayan Pratha	UGC centre for Women's Studies, MLSU
2010	International Conference on Women, Work and Health, March, 2010	UGC centre for Women's Studies, MLSU, Udaipur Academy of Well Being Society, Aishwarya Education Society Udaipur
2010-2011	1. Vocational training camp for Tribal Girls. 2. Programme on Computer Education For Tribal Adolescent Girls 3. Camp on Personality Development For Tribal Girls	UGC centre for Women's Studies, MLSU
2012	National Seminar on Human Rights and Gender, February, 2012	UGC centre for Women's Studies, MLSU & Aishwarya College of Education Sansthan, Udaipur

A booklet on 'Gender Demographics of Rajasthan: A Broad Scenario' was compiled recently which has presented the alarming skewed sex ratio prevelant in Rajasthan and has explored the reasons for it.
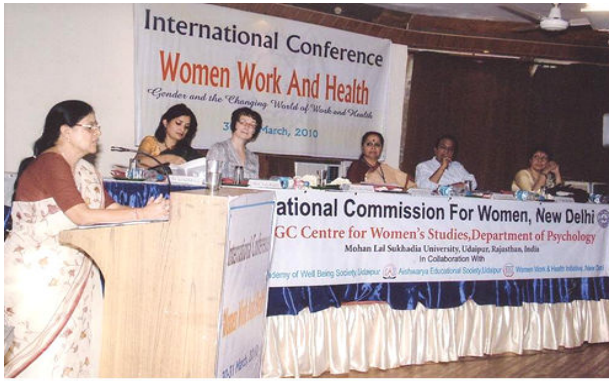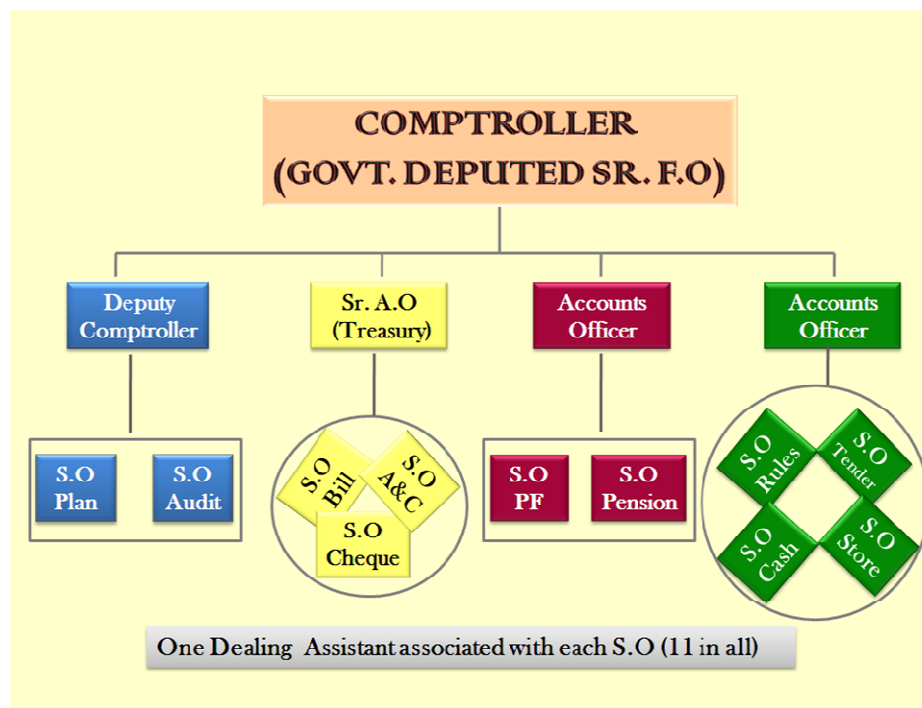
Centre for Women's Studies

The centre has been very active in promoting general awareness, legal rights and information regarding economic, health opportunities. It has also tirelessly worked to root out social evils like female foeticide, 'dayan pratha' etc.
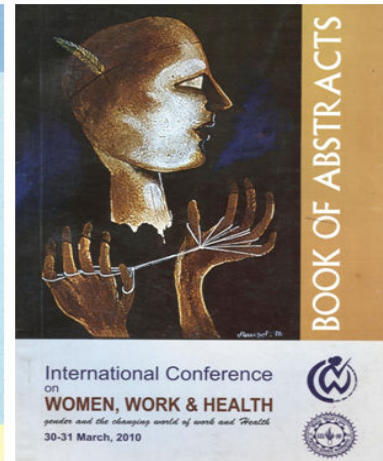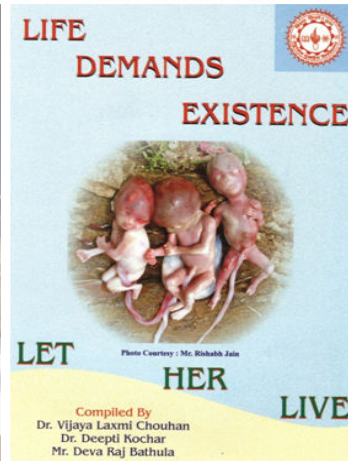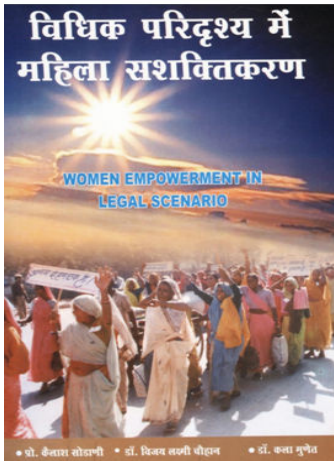
6.4 Financial Management and Resource Mobilization

All financial activities are now computerized and other administrative functioning is being turned to computerization for quick reference and transparency. Financial Management of the University is efficient and strong. It has three-tier system for scrutiny and audit which includes internal audit, audit by chartered accountants and Auditor General of Rajasthan. The University has a rigorous mechanism for internal audit of all its units and there is a statutory provision for audit approved by C.A. for auditing all financial matters annually before making the annual balance sheet. Further, Accountant General Audit of University accounts is also conducted regularly. The mechanism available and monitoring for effective and efficient use of financial measure is based on a structured hierarchy of the finance office consisting of the Comptroller (CFO) deputed by the Government and his staff of Deputy Comptroller, Senior accounts officers, section officers and dealing assistants. Further, the finance committee and board of management frame policies regarding financial resources and take the necessary decisions. The financial hierarchy is depicted in the below given figure. Further, the finance committee and board of management frame policies regarding financial resources and take the necessary decisions:

COMPTROLLER
(GOVT. DEPUTED SR. F.O)

| Deputy Comptroller | Sr. A.O (Treasury) | Accounts Officer | Accounts Officer |

S.O Plan | S.O Audit

S.O Bill | S.O A&C | S.O Cheque

S.O PF | S.O Pension

S.O Rules | S.O Tender | S.O Cash | S.O Store

One Dealing Assistant associated with each S.O (11 in all)

The University has a rigorous mechanism for internal audit of all its units and there is a statutory provision for audit approved by C.A. for auditing all financial matters annually before making the annual balance sheet. Further, Accountant General Audit of University accounts is also conducted regularly. University accounts are audited regularly every year. The observations of auditors are given in the annual balance sheet and necessary compliance is made for these observations. Copies of Audited Income and Expenditure Statement of the last four years are enclosed as Enclosure II.

The University is funded by State Government/University Grants Commission and other State/Central Agencies for running various activities at University. A Committee consisting of Faculty members, Registrar and Comptroller of the University has already been constituted vide order number PD/NP/Gen/2013-13/247 dated 12.07.2012 and it was of the opinion that revenue generation in the University should focus on self-financed courses. The University generates additional revenue from self-financed courses that were started in Commerce and Management, Computer Applications, Biotechnology, Industrial Chemistry, Microbiology etc. and paid seats in the regular courses at both, the UG and PG level were introduced. Apart from this the university rents out the auditorium to schools/colleges/institutes/NGOs etc. The university has also been appointed by the state government to act as a nodal agency for Medical courses and Teachers Training courses. University has generated about 2 crore rupees during the last four years through PCPMT, BSTC admission Tests and recruitment for a Government Department. The university colleges also act as centres for various examinations like Bank entrance/promotion tests, JEE, civil services, chartered accountants, UGC NET examinations etc on payment basis.

The University has an Employee Welfare Scheme and a vice-chancellor's discretionary fund in place. The possibility of conducting certain remedial coaching classes in Commerce for CA/CS and ICAI (ICWA) as well as competitive examination for Banks and other recruitments was also explored. Further, all types of efforts are being made by

University Statutory Bodies i.e. Council of Dean's and Academic Council for mobilization of University own resources.

Additional resource Additional resources are generated by :

- Temporarily renting out the newly constructed building of Pharmacy Department to IIM (Udaipur) @ Rs.14, 81459 per month.
- The use of the University Auditorium facilities is charged as per the table given below:

S. No.	Particulars/Category	Maintenance Charges Per day (Rs.)	Operational Charges Per day (Rs.)	Total (Rs.)
(1)	**AUDITORIUM CHARGES**			
(a)	University College, Deptt. & Students Union.	1,500/-	1,500/-	**3,000/-**
(b)	---do---(After three times in a year)	500/-	1,500/-	**2,000/-**
(ii)	Recognized Schools and Affiliated colleges of University	8,500/-	1,500/-	**10,000/-**
(iii)	Academic professional Societies & Other Education Institution.	10,500/-	1,500/-	**12,000/-**
(iv)	Registered Club, Societies, Associations, Govt. Organization etc.	13,500/-	1,500/-	**15,000/-**
(v)	Private Organizations, Coaching Centres etc.	18,500/-	1,500/-	**20,000/-**
(vi)	Commercial Programme entry through ticket	33,500/-	1,500/-	**35,000/-**
(2)	**Out side area for Lunch/Dinner etc. & exhibition**	15,000/-	-	**15,000/-**

50% of charges are levied for three hours for stage rehearsal. Charges include dais furniture and exclude electric charges. No electric charges and outside area charges are levied for the University programmes.

Extra Charges:-
(i) Cleaning & Sweeping @ Rs.1000/- Per day
(ii) Operational charges of P.A. System @ Rs.1000/- Per day
(iii) Air Cooling system Rs. 5,000/- Per day + Electric charges (No charges for University Programmes).
(iv) Generator with Operator as per rates approved from time to time.

No any corpus fund has been created by the University except for an Employee Welfare Scheme of Rs. 10008565/-and vice-Chancellor's Discretionary fund of Rs.311664. The University is funded by State Government/University Grants Commission and other State/Central Agencies for running various activities at University.

6.5 Internal Quality Assurance System

The university has a comprehensive system to conduct an academic audit of its departments. The Internal Quality Assurance Cell of the University acts as an academic and administrative audit committee. It ensures that standards for providing educational

services and other aspects such as Admission, Recruitment, Administration, Examinations, Library, Physical Education, Placement, Co-curricular and extracurricular activities are maintained. We are proud to say that based on the recommendations of IQAC, MLSU is the first university in the state of Rajasthan and one of the few institutions in the country to adopt all the academic reforms suggested by the University Grants Commission, such as UGC regulation 2010 (introduction of PBAS, SWOT analysis) thus strengthening its standing as an institution providing quality education. The University has instituted a system wherein under the performance based appraisal system (PBAS), the faculty have to submit their annual academic performance indicators (API). All departments are required to submit their annual report which includes student profiles/achievements, research publications, research projects, number of Ph.D scholars registered/awarded with degrees, special achievements of faculty, classes covered, examination outcomes etc. Regular meeting of departmental councils and the academic council also ensures that regular academic audit is done. Few important recommendations of IQAC that have been implemented in the working of the university are as follows:

- Establishment of a Research Cell for promotion of research, extension and outreach.

- Promotions under CAS and recruitments.

- Wide spread use of ICT for administrative and academic purposes.

- Soft Skill training.

- Service Centre in affiliated colleges in remote areas for on-line access.

- To establish Research Cell for promotion of research, extension and outreach

- Establishment of alumni association of the university

- Construction of additional UG/PG hostel facilities for girls and boys, health centre, cafeteria, class rooms, extensions of old buildings, new guest house etc.

- Installation of life size statute of Late Shri Mohanlal Sukhadia.

- Incorporating necessary changes in the Act and Statute to facilitate selection and promotion of teachers as per new guidelines received from the UGC.

- Creation of a College Development Council.

- Re-vamping of university web-site.

- Introduction of self-attestation of documents by the students.

- Guidelines for smooth conduction of self-finance courses and to provide more freedom to the course directors to increase quality of training were framed.

- Implementation of Student Feedback system in M.Sc. B.Sc, BCA & MCA courses and a web based Student Feedback System.

- On-line Grievance System.

- Organized students outreach programme in Science departments.

- Establishment of a Media Cell in the University

- Initiating implementation of Choice Based Credit System in in three professional courses (BCA, MCA, M.Sc (IT)), Credit System in MBA, and working out action plan for implementation of academic reforms in phased manner in the University.

- Introduction of a system of evaluation where 50% of the total weightage is in the form of MCQ's so that a more comprehensive, in-depth evaluation of the knowledge of the student can be done.

- Introduction of Semester System in PG courses

- Introduction of compulsory English for all UG students to improve their communication Skill

- Approval of following UGC regulations in the University

  - Minimum standards for Award of Ph.D.
  - Minimum standards for appointment of teachers.
  - Minimum standards for Affiliation.

- Introduction of written test for screening of assistant professors.

- Making mandatory for teachers to file PBAS as per UGC guidelines.

IQAC continuously reviews the teaching learning process. The Chair person of the IQAC cell is the Vice Chancellor with a very senior professor as Coordinator/Director. Other members consist of some senior Administrative Officers like the Registrar and Comptroller, Professors from various faculties, a professor who is also a member of the Board of Management, two external members who are local persons of eminence. The IQAC ensures the implementation of quality assurance strategies both in keeping with government/UGC regulations as well as the stated aims of the university. This is done mainly through regular SWOT analysis of the university departments by the Head of the Department to the members of Academic Council Based on these evaluations the IQAC in consultation with heads of department and faculty chairmen makes recommendations to strengthen the weaker aspects. The IQAC cell is responsible for keeping track of implementation of various regulations of UGC and State Government and presenting them for approval of statutory bodies for implementation. IQAC also has two external members; Shri Akhilesh Joshi, Chief Executive Officer, Hindustan Zinc Ltd. Udaipur and Shri K.S. Mogra, Ex-President, Udaipur Chamber of Commerce, who give valuable suggestions regarding the re-modeling of courses to suit the growing needs of the industry/economy/society.

Criterion VII: Innovations and Best Practices

7.1 Environment Consciousness

The University is very committed towards environmental conservation and observes every second saturday of the month as pollution free day. No motor (diesel and petrol) vehicles are allowed in university campus. Only bicycles are allowed. The effect of this decision is clearly visible from the chart given below which displays the results of Ambient Air Quality Monitoring (AAQM) data obtained for two days, viz., December 8, 2012 which was a second Saturday on which no motorized vehicles were allowed in the MLSU campus and the previous day, i.e, Friday, December 7, 2012 when no such restriction was there. This practice will reduce the pollution as well contribute towards the conservation of fossil fuels. The measure has been applauded by the district administration and unconditionally supported by the staff of the University.
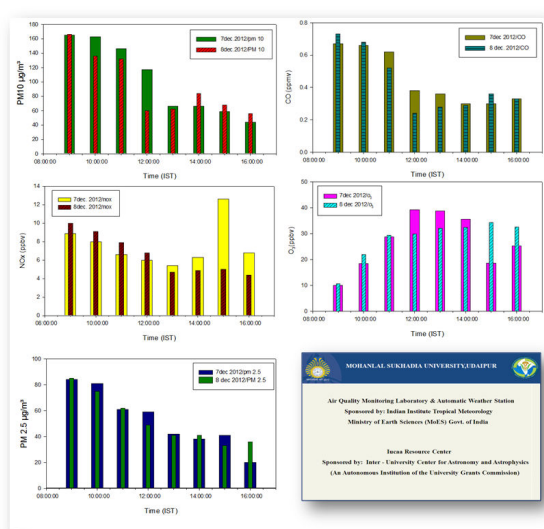
These panels show the quantity of (a) particulate of sizes 2.5 and 10 micro meters, (b) NOx, (c) CO, (d) O_3 and (e) PM for the days with colour codes as indicated in each data.

These observations were recorded over a period of 8 hours starting from 8 a.m to 4p.m. It is interesting to note that the presence of these pollutants were less on Saturday until 2 p.m. when a large number of students overcame the barriers and entered the campus with their vehicles reflected in the jump in these parameters on Saturday after 2p.m.

During the Eleventh Five year Plan new buildings were constructed in the University for the Faculty of Commerce and Science in which water harvesting measures were taken as per the State Govt. rules. Necessary steps are being taken to make provisions for water harvesting in the existing buildings of the university. A water harvesting system exists at the University Administrative Office, University College of Law, Auditorium and Vishv Vidyalaya Vatika.

Regular tree plantation and landscaping are being done at all the constituent colleges as well as the main campus. About 1500 trees have been planted in the year 2012-13 at University College of Law, in the vicinity of Pharmacy Department and U.C.S.S.H. and about 200 trees in the Science and Commerce colleges. Ample space has been left for developing a green belt around new/upcoming buildings. Several lawns have been developed in the last 4 years within the campus of constituent colleges and departments.

Hazardous chemical and biological materials are properly disposed. All syringes, microbiological, plant and animal cultures, media etc. are first autoclaved and then incinerated. The university college of science has installed electric incinerator for carcass and other waste disposal.

The university is committed towards saving the environment and on World Environment Day, the vice chancellor and senior faculty members initiated a cycle rally to set an example for the students.

Since all equipment purchased in the university which give rise to e-waste are itemized under 'permanent items', these are fully accounted for. In the last four years, old/dysfunctional and redundant items like computers, electrical items, lab equipment etc. have been packed away in the respective laboratories or stores. In the case of computers, when certain parts like hard drives, mouses, CD drives etc. are upgraded/replaced, the particular redundant item is returned to store. Annual physical store verification is done routinely which ensures that these items are fully accounted for. Only damaged CD's are thrown away which are taken away with the rest of the trash collected by the municipality.

7.2   Innovations

- Introduction of barcoding, OMR sheets, holocraft stickers has lead to confidentiality and transparency in the evaluation process.
- Extensive linking of campuses/departments/smart class-rooms etc. through WiFi has enriched the learning experience
- Easy access to e-library and ebooks/journals etc. has lead to increase in the knowledge base and output in the form of publication in high impact journals
- Introduction of MCQ's has ensured that the student has to do a thorough study of the syllabus

- Introduction of CBCS, interdisciplinary and integrated courses provides more choice and also improves the career options

7.3   Best Practices

A. Reforms in examination pattern

In the earlier pattern of examination, because the number of questions were limited, it was not possible to completely cover the entire syllabus during the setting of the question paper. Thus, a student could get good marks without an in-depth study of the entire syllabus. Moreover, the outcome of the evaluation depended to a good deal on factors such as handwriting and clarity of presentation and also on the personal perspective of the examiner which sometimes differed widely. Hence, the examination pattern has been revised from session 2011-2012. The present scheme of evaluation is based on dividing the question paper into two sections with equal weightage of marks.

The first section consists of 50 MCQ's widely spread over the entire syllabus. All questions are compulsory. The second section consists of ten descriptive questions (two from each of the five units of the syllabus) out of which the student has to attempt any five (one from each unit) to be answered in about 250 words. This pattern not only increases the knowledge base but also prepares the students to successfully compete in most competitive exams (civil services, NET, GATE etc.) which also follow this scheme of examination. We are happy to report that the new pattern of examination has been successfully implemented and has been favored by both students and teachers. One constraint is that unwillingness from the part of examiners for paper setting especially at the UG level where the questions have to be set in both English and Hindi. To make the system truly effective, negative marking has to be introduced which may not be initially acceptable to the students.

The main objectives of the reform are:

- To ensure thorough and in-depth study of the syllabus by students
- To reduce response time required to answer as compared to written responses resulting in a more comprehensive evaluation of the extent of knowledge

- To remove bias created by irrelevant factors such as handwriting and clarity of presentation so candidates are assessed purely on their knowledge of the topic through the MCQ'S while ensuring that the student is also examined for ability of expression, comprehension and presentation through the descriptive part of the question paper

- Quick and reliable assessment ensuring publication of results in time

- To reduce the disparity in evaluation

Since the system has been introduced in the year 2011-2012, it is too early to gauge the success of the system. One of the main problems encountered in implementing this scheme is the unwillingness of examiners to set the question paper since framing 50 questions of suitable level of difficulty and variations especially in Hindi and English is quite challenging and time consuming. One way to overcome this problem would be to

increase the remuneration for setting papers so that it is commensurate with the effort involved. Alternatively, each examiner may be asked to set questions over maximum of two units to reduce the effort.

B.   (i) March towards paper-less university
(ii) Consciousness towards preservation of environment
(ii) Quality enhancement

❖ *March towards Paper less University*

The university is taking steps towards reducing use of paper. University can take the pride in having ICT enabled working in most of its functional units involved in teaching, learning, research, administration and governance. The IT department is constantly involved in developing tailor-made user-friendly software to meet these needs. Extensive computerization of various departments have reduced redundancy wastage of paper and has also decreased the time and effort required for day to day work. Online filling and submission of admission/examination forms, practical marks, OMR sheets for data entry ensures quick processing, compilation and recording of all student and faculty details. Student roll number/paper details etc. are encoded using barcode stickers on examination answer books for confidentiality. E-mail/bulk messages are being used to send notices, information from the administrative office official meetings, course work classes etc. to Deans /Heads /Directors/staff/ students. Almost all members of the faculty have been provided with a computer and internet facility. This facility is also available in hostels /libraries / administrative offices. Apart from this all science and few other departments have their own well equipped computer labs with internet connections for PG students. Most accounting work is done online and all transactions like salary, research funding etc. are directly transferred to the concerned account through e banking. Biometric system of attendance has been implemented for teaching and non-teaching staff of the university and also for students in some selected, self-financed courses.

Use of ICT is also encouraged in teaching. All seminar rooms and conference halls of various units are fitted with LCD projection system. All most all PG departments have smart boards and teachers use power point presentations. The university has a well-maintained website (mlsu.ac.in) with all necessary information, downloadable forms, departmental/faculty/alumni details, tutorials, time tables, results, feed back form, conference/seminar dates etc. Faculty and research students routinely make use of special software for modeling, data processing etc. (ORIGIN, MATLAB, WinNormoss etc.) All campuses, libraries have Wi-Fi and a very strong infrastructure for e-libraries has enhanced academic growth of the faculty and students. E-books and research journals are made available through INFLIBNET and the university uses special software for access and preventing misuse (browsing in objectionable sites), and also as an effective firewall to prevent hacking. A very strong infrastructure for e-libraries has enhanced academic growth of the faculty and students.

In concurrence with recent UGC guidelines the University has introduced biometric attendance for all its employees. The traditional way of marking attendance through register entries alone made it difficult to consolidate data, monitor working hours in the case of contractual staff. Also, maintenance of these records over several years was also difficult. Implementation of the biometric system has centralized the process of collection of data pertaining to leave, working hours etc and has reduced the paperwork.

❖ *Consciousness towards preservation of environment*

Awareness about the damage being done to the environment is the only way that we can prevent future deterioration of our environment. University believes in the saying "Charity begins at home" and therefore observes every second Saturday of the month as pollution free day and no motorized vehicles are allowed in university campus. This will reduce the pollution as well contribute towards the conservation of fossil fuels. The effect of this decision is clearly visible from the chart given earlier which displays the results of Ambient Air Quality Monitoring (AAQM) data obtained. It is interesting to note that the presence of these pollutants were less on Saturday as compared to other days. Conservation of natural resources is necessary and university has already installed water harvesting systems in University Administrative Office, University College of Law, Auditorium and Vishv Vidyalaya Vatika. Regular tree plantation and landscaping are being done at all the constituent colleges as well as the main campus. About 1500 trees have been planted in the year 2012-13 at University College of Law, in the vicinity of Pharmacy Department and U.C.S.S.H. and about 200 trees in the Science and Commerce colleges. Ample space has been left for developing a green belt around new/upcoming buildings. Several lawns have been developed in the last 4 years within the campus of constituent colleges and departments. The university college of science has installed electric incinerator for waste disposal.

Permanent Barriers to stop motorized vehicles (2nd Saturdays)

More than 2000 saplings planted (NSS)

Vibrantly green campus with lawns, plenty of trees

Environmental Awareness

A compulsory paper on Environmental science has been introduced at UG level and the marks obtained are added to the final percentage only to ensure that the students take this subject seriously. In the newly constructed buildings water harvesting measures were taken as per the State Govt. rules and necessary steps are being taken to make provisions for water harvesting in the existing buildings of the university. Regular tree plantation and landscaping are being done at all the constituent colleges as well as the main campus and ample space has been left for developing a green belt around new/upcoming buildings. Several lawns have been developed in the last 4 years within the campus of constituent colleges and departments. The hazardous chemical and biological material is properly disposed.

❖ *Quality enhancement*

More than 50% of the academic and administrative posts had been lying vacant since several years which was beginning to put a strain on the system in terms of imparting quality education. Since several new courses and departments had also been introduced, recruitment of faculty and supporting staff had become imperative. Thus, to fill up the lacunae in the human resource pool of the university, cope up with the demands made by the introduction of new courses and departments, improve the output and efficiency of the university and to provide optimal academic environment, fresh appointments for almost all academic posts as well as administrative posts have been made which has given new lease of life for the smooth functioning of the university. In addition to new recruitment, all pending promotions through CAS have been made which has greatly increased the morale. The University has already advertised the remaining positions of the non-teaching staff and faculty and the interviews are expected to be held in a few months.

In the first phase of implementing this practice, promotion under the Career Advancement Scheme (CAS) was made. Subsequently, direct recruitment was done at all levels which included a written/skill test at the Assistant Professor level and also for the clerical posts. The API score was strictly adhered to for selection/promotion of teaching faculty according to UGC guidelines. We are proud to say that Mohanlal Sukhadia University was the first in Rajasthan to include a written/skill test for selection at the entry level which ensured that the recruitment process fair and transparent and competent persons were selected. The recruitment/promotions were long overdue, but being a State University, rules, regulations and permission of the government of Rajasthan had to be strictly followed due to which there was delay in the appointment process.

The influx of new staff has brought with it a corresponding influx of new ideas and fresh enthusiasm. Timely promotions have also created a pool of senior faculty necessary for appointment to key posts like directors/deans etc. Thus the dependence on guest faculty has been reduced and the academic environment has improved.

Almost all the above practices are unique initiatives because no other University in the state of Rajasthan has introduced them; therefore MLS University has the credit of being the first one to implement above mentioned best practices. The university administration faced initial challenge from the employees at the time of implementation of above mentioned best practices, but soon realized their long term benefits and thus, there were hardly any constraints in implementing them. Since above mentioned best practices were introduced, a positive working environment has been created in the University.

DECLARATION BY THE HEAD OF THE INSTITUTION

I certify that that the data included in this Self-Study Report (SSR) are true to the best of my knowledge. This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced. I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Signature of the Head of the institution with seal

Place:
Date: