VISI👁N 2020

SWAMI RAMANAND TEERTH
MARATHWADA UNIVERSITY, NANDED

Content

- Pharmacy
- Physical Sciences
- Social Sciences
- Sub-Campus

Chairman's Foreword

The University's vision remains unchanged – it aims to make Swami Ramanand Teerth Marathwada University, Nanded one of the top 10 universities in India by 2020. There will be significant challenges to face but if university remains committed to the vision then it is quite possible that we may achieve significant part of it if not in-toto. The plan will stick to the ten goals of the university which, at any given point of time, will contribute the overall vision of the university in general. At the same time due care will be taken to monitor the progress of the year and the measures to implement strategic decisions shall be refined from time to time. University will have to work hard to succeed in fostering new learning & teaching techniques and world class research then only it will be in a position to nurture the talent of the students and staff. The agenda given here in the 'Vision Document 2020' provides a framework to pursue the goals mentioned in the document.

Rigorous review and evaluation have confirmed that the University has already made significant progress in last seven years. The Vision 2020 Agenda outlines the 'preferred future' of 2013. The University is now moving into a new stage of its development keeping its focus on its main goals.

The implementation of the plan will certainly demand commitment, courage and dedication from all the schools on the campus in particular and administrative staff in general in execution of the plan in a superb way. The last part of the document includes the processes through which this plan will be implemented in first four years with review after every two years.

It will be the responsibility of the university teachers to implement the plan with the support of the administrative staff. This staff will definitely enjoy the full support of the Vice-Chancellor. In the process of implementation of the plan 'Board of Governance', formed to implement the plan, would never lose the sight of the target to be achieved in the stipulated period.

The Vision 2020 Document consists of two parts. Part one focuses its emphasis on the development of the University Campus and part two focuses on the development of affiliated colleges bringing them at par with the university standard.

This is certainly a big challenge for all the university staff to achieve the target(s) given in the document as it is the first vision document of the university. But

with the positive approach, great self confidence and enthusiasm I have no doubt that the university from most backward part of the country will come into limelight soon and will make its academic position on the global academic map with great and firm positive impact. The recommendations made in the Vision Document are useful and timely.
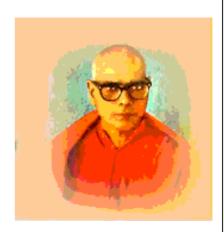
Vice-Chancellor & Chairman
Committee for Vision Document of the University
Swami Ramanand Teerth Marathwada University, Nanded

Swami Ramanand Teerth Marathwada University, Nanded

The Mission Statement:

*"Swami Ramanand Teerth Marathwada University pledges itself to uphold zealously its mission of promoting acquisition and dissemination of knowledge through fearless and sustained pursuit of excellence aimed at moulding **personalities of students** entering its portals to grow with an upright character filled with **enlightenment** and to be the **value adhering members of a just and humane society"**.*

Vision: Enlightened Student: A Source of Immense Power

Part A:-Vision Plan for University Campus

About the University

Swami Ramanand Teerth Marathwada University, Nanded came into existence after the bifurcation of the then 'Marathwada University, Aurangabad, on 17th September, 1994. University, right from its inception chartered new paths of progress. In its initial phase of development main focus was on making the infrastructure, equipments, and teachers available to run the un-conventional courses offered in the university. University always kept on progressing academically keeping its eye on the three main dimensions viz. Teaching, Research & Extension. In its short span of 14 years academic progress at these three fronts is glaring. After getting the excellent infrastructure and other academic facilities available for higher learning now, it is time for the university to take a leap forward towards academic excellence keeping its eye on other dimensions like 'Renowned National Standing', 'Knowledge Transfer through Distance Education', 'Access to Knowledge to all', 'Effective & Transparent Administration', 'Empowering Academic Affection', 'Citizenship Development', 'Student Progression', 'International Collaboration', in addition to the 'High Class Curricula', 'Quality Teaching' & 'Research of International Repute'. This is not possible without proper vision.

For the first time, hence, Swami Ramanand Teerth Marathwada University, Nanded is coming out with a vision document with an action plan to transform the place of higher learning into model for excellence. VISION-2020 document will provide an insight to reach the "Academic Excellence" focused on promotion of Academic Excellence, Resource Mobilization, Research beneficial to the society, Networking, Industry - Community Interaction, Student Counselling, Placement and Training among the others.

University Campus spans over an area of 525 acres with an administrative building & 7 school buildings. Sub-campus is sited at Latur. University at present has 11 schools, a sub-campus with more than 325 colleges affiliated to it. It offers 26 PG courses, 6 M.Phil. courses along with 52 Ph.D. programmes. In all 108 programmes are offered in affiliated colleges and university schools. Research in the University is noteworthy as more than 75% of the teaching faculty is actively engaged in research & generated funds of more than Rs.4 Crores through 41 research projects, more than 450 research papers are published at national & international level. University has

more than 70 teaching staff and 300 administrative staff to manage the academic and administrative work of the university. It is developing fast under the able guidance of Dr. S.B. Nimse, Vice-Chancellor.

Academic Planning

As the University is the top most body initiating Higher Education, Research and Affiliation, it has initiated all the necessary steps required for raising the standards of teaching and research on the campus. As the university caters to semi urban and rural population, it has taken care of regional aspirations and needs while developing academically. Accordingly campus teaching facilities have been modulated to follow the school system rather than departmental system with more than one course being offered in each school.

In tune with the concepts and suggestions of the UGC, and NAAC, technological advancements and societal needs and to make the teaching effective and meaningful, university has adopted **credit-grade based performance and assessment (CGPA) system on the campus successfully** from 2006. National Knowledge Commission has also strongly recommended credit system very strongly. The credit based system has initiated and promoted interdisciplinary and multidisciplinary studies, while retaining the flavour for core courses.

Our Values

⇒ The idea of our university is to have the highest standards of ethics and conduct in both teaching and research as well as in administration & organisational policy and behaviour.

⇒ Student inspired teaching and research programmes

⇒ Equity of access to all the students irrespective of their background and based on educational merit

⇒ The academic freedom to all the staff and students to engage into intellectual discourse and critical enquiry without fear and favour

⇒ The importance of making the university a safe, rewarding workplace in which all the students and staff are encouraged to excel academically and are enabled to enhance their academic skills, develop their professional career and realise their own hidden potential

Our Vision

⇒ **An Innovative Institutions** that values their students most and encourages the transfer of knowledge to influence development of the region in particular and nation in general.

⇒ **A university that rewards** and provides valuable support to their staff who engage in teaching, research and extension activities and create intellectual property

⇒ **A Learning Institution:** Where teachers help successive generations of students learn to respect the subject, teachers, parents and other members of the society. And also help develop their cognitive skills, honesty at intellectual level, humane values and professional expertise of the highest order

⇒ **A Liberal University:** Where academic freedom is protected, students and scholars from all background are well supported by scholarship. The university that remains autonomous in its academic governance

⇒ **World class centre of learning**, new discoveries and identified by world class teachers, researchers, students and parents as a premier higher education destination

⇒ **An Engaging University:** that listens to the suggestions of academic peers, alumni, parents to improve the standard of higher education in this backward part of Marathwada to concern themselves with problems of inequity, violence, poverty and to imbibe the values of higher education w.r.t.: **i)'Learn to learn', ii) 'learn to do' and iii) 'learn to live together'** through academic programmes.

Goals, Planning & Answerability

Goal I: Renowned National Standing

Goal II: Quality Teaching & Learning

Goal III: Research of International Standard

Goal IV: Knowledge Transfer through Distance Education

Goal V: Access to Knowledge

Goal VI: Effective and Transparent Administration

Goal VII: Collaborations and MOU

Goal VIII: Community Colleges

Goal IX: Empowering Academic Affection

Goal X: Citizenship Development

Key Performance Indicators

⇒ Annual increase in the teaching programmes of highest standard

⇒ Annual increase in the research publications, books, seminars organised and attended

⇒ Achieving annual increase in external grant income through various funding agencies

⇒ Achieving annual increases in the number of post graduate students successfully completing their programme within the specified period consistent with doubling the number of completion by 2015

⇒ To induct the component of research grant income which comes through industrial sponsorship

⇒ Clear evidence of improvement in the university's domestic and national standing as measured by NAAC

Goal I: Renowned National Standing: To establish the university as a renowned centre of teaching, research and scholarship able to match the leading universities in the nation in attracting and retaining teachers, researchers of highest quality and as a highest education brand synonyms with the finest standard of academic excellence in terms of topmost level of teaching through modular syllabus

Goal II: Quality Teaching & Learning: To provide students and teachers quality learning environment, teaching and learning infrastructure, and support services equal to the best in the world in terms of quality study material, recent development in the subjects, hands on training to both students and teachers

Goal III: Research of International Standard: To establish the university among the five strongest research universities in the nation on the commonly accepted criteria of research excellence and performance by generating research papers of international repute and patents.

To increase the proportion of research grant income which hardly comes through industrial sponsorship from almost zero percentage to 10% in 2015.

Goal IV: Knowledge Transfer through Distance Education: To contribute to Distance Education development regionally and nationally and greatly to increase the opportunities for the university and its staff and students to benefit from commercialisation and application of the knowledge, expertise and intellectual property that they develop in the university. The main aim is to place the university in the forefront of the best practice in knowledge and technology transfer through distant mode of education, especially for those who are in service or self occupation. The primary aim of the university is to enrich its campus programmes but at the same time university would like to develop on-line off-campus programmes too through distance education.

Goal V: Access to Knowledge: To make the university most accessible university by widening academic horizons to international students from well-off sections of the society from abroad and home students from traditionally under-represented sections of the society with a supportive learning environment in the university community. This will provide equity and opportunity for all.

Goal VI: Effective and transparent Administration: To make administrative services at all levels of the university open, supportive and responsive to academic needs in meeting all internal campus and external affiliated college needs.

Goal VII: Collaborations & MOU: To ensure that university generates funds through foreign universities, research laboratories through collaborative research projects by entering into MOU with such organisation of academically highest standard on one hand and collaborating with industries on the other hand.

Goal VIII: Community Colleges: To contribute to the development of a secure, humane future for the human society beginning at its local level to explore the opportunity to enrich the social development of the community by enhancing their traditional skills though the community colleges in the rural and tribal areas of the region.

Goal IX: Empowering Academic Affection: To attract the teaching staff of the highest calibre and create an atmosphere of academic affection on the campus, within which all the staff, whatever their roles or functions are, may be proud of their own university and their own efforts in taking the university on the path of academic excellence.

Goal X: Citizenship Development: To disseminate knowledge, skill & attitude in the students to emerge as responsible citizen by acquiring the qualities of national integration, communal harmony, democratic values and constitutional responsibilities through their academic programmes.

RECOMMENDATIONS OF NKC & YASHPAL COMMITTEE

National Knowledge Commission	Yashpal Committee
➡ Access to Knowledge	➡ Learning Across Disciplines
➡ Education Network	➡ Teacher Education
➡ Global Competitive Challenge	➡ Inseparable Teaching & Research
➡ Ensure Accreditation for Quality	➡ Connection between Research Bodies & Universities
➡ Up gradation of Infrastructure	➡ Syllabus based on local needs
➡ Teachers Training	➡ Internship
➡ Continuous Assessment of Syllabi	➡ University Teachers Affiliation to colleges
➡ University A Research hub	➡ Educational Loan
➡ Evolving new methods of Learning	➡ Industry Sponsored Students
➡ Open & Distance Education	➡ Accreditation
➡ Management Education	➡ Vocational Education
➡ Legal Education (Syllabi on National Law School pattern)	➡ Autonomy to some colleges
➡ Science & Technology Labs.	➡ Autonomy of Departments
➡ Promote knowledge in Agriculture	➡ Autonomy of Teachers
➡ More students in Maths & Science	➡ Inter-disciplinary Approach
➡ Multiple Entry & Exist Options	➡ Cross Movement between the subjects
➡ Modules on Communication Skills	➡ Bridges between different fields of education
➡ Internship	➡ Credit Exchange
➡ Teaching in English & Local language	➡ Integrated Education
➡ Continuous Internal Assessment	➡ Retain Good Academicians
➡ Attract & Retain Talented Faculty	➡ Private Initiative in education
➡ Incentives for Performance	➡ Public-Private Partnership
➡ Restructuring of Undergraduate Colleges	➡ Responsibility for establishment of colleges, Management education etc.
➡ Autonomy to colleges	➡ Alliances with other universities, laboratories & education establishments
➡ Community Colleges	➡ Collaborative Funding
➡ Attract International Students	➡ Reduce Bureaucracy
➡ Peer Evaluation of Teachers	➡ Eliminate Corruption
➡ Substantial Grant for Research	➡ Study Material
➡ Infrastructure Development in terms of Library, Laboratories, Sports facilities & Auditorium	➡ Orientation Programmes for newly recruited Teachers
➡ College Cluster	➡ Industrial Training Institutions for students
➡ Alumni Contribution	➡ Skill Development Programmes
➡ User Charges for People from Outside	➡ Rich Undergraduate Programmes
➡ Funds from Private Sectors (Gurudwara)	➡ Rich Undergraduate Students
➡ University-Industry Interface	➡ Academic Excellence
➡ Information on NET	➡ Books as Knowledge Products
➡ Integrated Courses including doctoral programme	➡ Organisational Improvement
➡ Apprenticeship in Management Courses	➡ Cluster Colleges
➡ Pre-Ph.D.Course	➡ Education Management
➡ Adjunct Faculty	

This vision 2020 document takes a approach with focus on Teaching, Research & Extension activities and provides pathways in a holistic way.

This plan proposes activities through three phases towards a futuristic vision for the next ten years. This plan will be reviewed after every two years, at the end of the academic year.

Implementing the Agenda

The University operates through an annual pattern of planning that will persist, year-in, year-out, at all levels of the University, until the 2020 vision has become a reality.

The pattern involves operational planning, implementation, performance review in addition to the budget required to implement the proposed plans. The plan also provides necessary measures to re-calibrate the goals and targets when re-planning will become necessary. The agenda also includes key dates in the academic calendar of the university.

There is lot of scope for integration of disciplines and multidisciplinary teaching with inter departmental co-operation. This definitely facilitates interest in students with better understanding of the subject. A basic assembly of facts can be further brought to life by giving problem-solving home assignments to students during their regular teaching programme. This prepares the students to face real life situation. It is proposed to assign the education material development to the senior teaching faculty of the University who would coordinate and collaborate with the students in this task.

The teaching faculty will have to be made responsive to change the work scenario on the campus and will have to be explicitly responsible and accountable to achieve excellence in the given area of their own specialization through this vision 2020 document. University teachers will also play important role to earn national and international recognition and generate funds and bring schemes to the University to put the university on the path of academic excellence. A System of attracting 'best brain' as faculty would have to be evolved in consultation with the State Government of Maharashtra, by offering 'salary incentives' to the performing teachers then only the vision 2020 document would turn into reality.

The concurrent planning done in the vision document needs proper monitoring and implementation for which detailed operations of focused targets will be chalked out. In this regard two teams, one from University Campus consisting of senior Professors & Devoted Teachers and the other from Affiliated Colleges consisting of Potential Principals & Senior Devoted Teachers shall work to make this dream come true in reality by 2020.

Main focus of the Vision Document:

Main focus of the vision document is to follow the guidelines of 'National Knowledge Commission' & 'Yashpal Committee while drafting the agenda for this most important document.

The recommendations of National Knowledge Commission and Yashpal Committee are given in brief here

The emphasis, while preparing the vision document is given on

i)   New Schools, Courses & Curricula

ii)   Teaching & Learning Methods

iii)   Research

iv)   Extension Activities &

v)   Development of Infrastructure

General

Expansion: New Schools, Courses, Curricula & Centre for Advance Studies
- ⇒ School of Technology (Creation: Science & Technology – NKC)
- ⇒ School of Hospitalities Studies (Air Hostesses)
- ⇒ School of Governance (e-governance:services – NKC)
- ⇒ School of Archaeological Studies
- ⇒ Women related courses
- ⇒ Programmes for differently abled persons
- ⇒ Courses for slow and advanced learners
- ⇒ Courses based on Trimester Pattern
- ⇒ Flexibility to move from one course to other (Credit Exchange)

One way of improving the quality of teaching of these additional disciplines and stimulating students' interest is to allow students for whom a subject is additional to study along with those for whom the same subject is primary. For instance, a mathematics

student should study and undergo evaluation in philosophy as an optional subject along with students for whom philosophy constitutes the primary subject (Yashpal committee).

⇒ **Integrated Courses including doctoral degree with Exit Point at any time:**
According to Yashpal committee it is mandatory for all universities to have a rich undergraduate programme and undergraduate students must get opportunities to interact with the best faculty. Taking this aspect into consideration university would like to offer five year Integrated courses in Physical Sciences & Earth Sciences to begin with. This would be then extended to all the schools in next phase.

The exit point for such integrated courses shall be kept at any time by offering certificate, diploma or degree to the leaving students.

1st Year of Graduation – Certificate

2nd Year of Graduation – Diploma

3rd Year of Graduation – Degree

1st Year of PG - PG Diploma

2nd Year of PG – PG Degree

1 & 1/2 Year of Ph.D. (Pre-Ph.D./M.Phil.) – Eligibility Certificate for Undergraduate Teaching

4th or 5th Year of Ph.D. – Ph.D. Degree

- ⇒ Courses for disadvantaged community
- ⇒ Courses for Athelets & Sports
- ⇒ Cafeteria courses
- ⇒ Green Chemistry
- ⇒ P.G.Diploma in Retail Management
- ⇒ NGO courses
- ⇒ Practical Industrial Courses
- ⇒ Special programmes for Gifted & Talented Students
- ⇒ Women's Study Centre
- ⇒ Potentially strong schools would be identified as 'Centre for Advanced Studies

➡ Learning

University would strive to ensure a faculty of the highest quality by making our university 'a learning institution , 'Instituting a Faculty Exchange Programme', 'Instituting a scheme of Adjunct faculty', 'Sponsoring faculty to advanced courses'.

⇒ **Curriculum Review, Revision & Development:** Curriculum will offer fast track & Front line curriculum in areas like bioinformatics, geoinformatics, animation software courses it will also emphasise on value education, meditation and importance of silence. Involvement of Scientists and corporates**.**

All syllabi should require the teachers and students to apply what they have learnt in their courses, on studying a local situation, issue or problem. There should be sufficient room for the use of local data and resources to make the knowledge covered in the syllabus come alive as experience. Based on this, university would like to go for the following:

⇒ LCD in each class room

⇒ Computer aided Teaching & Learning Material

⇒ Information Technology

⇒ Audio Visual Aids

⇒ Computer Aided Packages

University – Industry Interface: University would develop linkage with industries which will help university re-design its curricula offered in different schools as per the demand of the industry market.

⇒ **Cross Learning System**

Academic Flexibility: Students can change the subject midstream. For example a student may opt Biology with Economics. University would offer credit exchange among universities & national research laboratories. It would also offer choice of changing the university within the state in the middle of the course.

Distinguished Lectures (Adjunct Faculty): The Distinguished Lecture Series shall provide a macro view of the technology & basic science trends globally. In this way university would be in a position to attract good teaching faculty on the campus. To begin with NGRI scientists would be visiting our university.

Technical Lectures: The Technical Lectures, that are oriented towards providing inputs on curriculum and key technologies being used in projects in the industry, would be organised regularly.

⇒ Introduction of International Faculty on campus: University would make all the efforts to attract international faculty on the university campus. To begin with international faculty from Stanford University would come here as an adjunct faculty to teach courses in earth sciences

$\Rightarrow$ **Libraries:**

- Modernize and Network public libraries

- Digitization

- Library Charter: NKC has recommended a Library Charter which outlines a holistic approach for the development of the entire Library and Information sector

- Singapore model: (guiding principles)

    – Libraries for life- Knowledge for Success

    – Libraries should serve the needs of the whole community

    – Libraries power the knowledge based economy

Central Library would be encouraged to raise its collection through donation and private collections. It would also be encourage Public Private Partnerships in the development of Library Information System and modernize library management,

University would like to develop its library on the same line

Exam Reforms: Time Flexibility: Have the students thought of taking a break from the regular confined course to take a break at any point of time and continue whenever they want? University would offer students a choice when to write exams. Assessment shall reflect the actual knowledge content of the student.

$\Rightarrow$ Student Internship

An internship with Industries is the student's opportunity to gain valuable career experience while working with a team that challenges and appreciates your ideas. Industries should invest in the future of technology by offering internships to students in specific two-year University programs. A significant number of interns may end up building careers with Industries. Curricular reform in this regard would include compulsory exposure and engagement with different kinds of work, in the form of summer jobs or internships, according to the circumstances and surroundings of the particular university, and should include both manual and other kinds of work/occupations, with a certain minimum set of occupational exposure compulsory for all students, irrespective of discipline (Yashpal Committee)

Research

$\Rightarrow$ Marathwada Research Centre (The centre would carry out research of highest standard in collaboration with foreign universities. University has already taken a leap towards achieving this goal by signing MOU with Asian Research Network, South Korea, few more MOU's are in pipe line)

⇒ Floriculture Research Centre

⇒ Central Instrumentation Centre

⇒ **Shri Guru Govind Singhji Research Centre:** To make and to maintain archival work related to **'Sikkhism'**, so as to provide ready reference to national and international students. Development of **Gurmukhi**, University would develop linkage wih Local Gurudwara and would generate funds to run this and other allied research centres.

⇒ **Students Research Contest:** a research contest for post graduate students from selected colleges of the university jurisdiction. The contest will be open to students of Computer Science, Information Science, Chemical Sciences, Physical Sciences, Earth Sciences, Life Sciences, Social Sciences, Education, Media, Languages Fine & Performing Art Streams. Prizes will include cash for winners, scholarships and opportunity to work in national research labs. and do internship in renowned industries. This activity will help participation in AIU sponsored "Anveshan".

⇒ In addition to this all the teachers on the campus, with the aptitude of research, would further strengthen their research by getting more funds and producing quality research papers to match with the international standards

Extension Activities

⇒ Competitive Examination Centre

⇒ Maharashtra Study Centre

⇒ Open & Distant Education Centre

　　　　Video & Audio conferencing for distant learning courses

⇒ Open Training Centre for Teaching Faculty (Teaching Education Programme both Pre & In-Service; **The idea is to train and update faculty with latest developments in their profession/ specialisation & make them computer competent as per NKC guidelines so that the latest development in that particular subject will reach the students**)

⇒ Academic Staff College

   City Campus:- Multi skill development programmes: The concept is to offer various education programmes to the section of the society who find it difficult to attend the regular classes during day time on the campus due to their prior assignments in earning their regular bread & butter by developing campus in the city. For them university would like to offer education programme, such as certificate courses in vehicle repair, tailoring,

skilled labour, farmer etc. The skills developed in the respective fields would definitely help this section of the society to run their business more effectively with grace. The certificate courses would be run during evening time.

⇒ Street Children Education: In addition to the above university would also introduce courses for street children with the concept of merging schools with universities.

⇒ School of Hospitalities Studies (Air Hostesses)

⇒ Centre for Physical Education

⇒ Tribal Research Centre: This centre would be developed in the backward region of Kinwat

⇒ On-the-job Training (Training for Non-Teaching/Administrative Staff)

⇒ University Information Centre

⇒ Art Gallery: Art gallery would be developed on the campus to facilitate the fine arts course

⇒ Science Museum : State of the Art Museum on Scientific themes attracting visitors to campus.

⇒ Student Recreation Centre

⇒ Computational Facilities, including internet, in hostel & Guest house

⇒ University Handbook

⇒ Counsellors /Mentors/Advisors (For Student Counselling)

⇒ Gender Audit (Regular gender audit will be done to find out take necessary measures to maintain the representation of women in the teaching staff, administrative staff & students)

⇒ Future Plan for International Students **(International Student Centre would be developed to attract foreign students)**

⇒ **Information on NET: University would update its web site giving all the details regarding curricula, admission process, intake capacity, cut-off level, scope of the subject, guides in the subject, students facilities like scholarship, earn & learn, hostel, canteen, sports & library facilities .**

⇒ **Interconnection of universities:** University would like to interconnect itself with all universities, libraries, laboratories and agricultural institutions to share data and resources across the state (NKC)

➡ **Infrastructure** (Library, Sports Facilities, Landscape Development)

⇒ Central Library (Archive section in the Library)

⇒ DELNET facility

⇒ Buildings for School of Pharmacy, Media Studies, Education, Fine Arts, Canteen, Auditorium, Yashada Centre etc.

⇒ **Co-operative Bank on campus run by society and alumni**

Guaranteed student loans at low interest rates for those who can take loans and free education for those who cannot afford it at all will be necessary to educate India (Yashpal committee). The bank on the university campus will take care of the student loan facility

⇒ **International Students Hostel:** University, as it would make all the efforts to attract international students, would develop students hostel for international students with all the amenities like AC accommodation; computer room; medicare facility; Consumer stores; Food centre; Study area

⇒ **Transport Facility on the campus:** Transport facility, from city to university, would be introduced on the campus in the first phase, while in the second phase local transport facility, through plying auto on the campus, would be made available to university staff for better movement on the campus.

⇒ **Sports Facilities:** Indoor sports complex having facilities like badminton court, table tennis etc. would be developed on the campus. Special coaching centre would also be developed

Schools

Chemical Sciences: It would introduce new courses in 'Green Chemistry', 'Cheminformactics' & 'Bio-chemistry'. The thrust areas in the research would be Green Chemistry, Synthesis of Bio-active molecules molecular docking / Bio-activity studies, Hypervalent iodine reagents, Polymer composites for advanced raw materials, Catalysis of organic reactions and organoboron compounds.

Commerce & Management: The school would introduce courses in 'Marketing Management', 'Retail Management', PG diploma in 'Service Management', 'Management of Food Processing', 'Event Management' and 'Human Resource Management'. School would also offer apprenticeship to its students. The thrust area to carry out further research would be 'Retail Management', 'Services Management', 'Banking', 'Customer relationship management', 'Entrepreneurship',' System Management'. The courses would be designed to attract the students from Sikh community.

Computational Sciences: Courses in 'IT Management'. The focus area include 'Siber Security & Information Assurance', Digital Networking & Communication', Computational Sciences', Visualisation & Virtualisation Computing and Green Computing'

Earth Sciences: The school would introduce duel degree in Environmental Science & German, Geology & Sanskrit and Geography & M.Ed. In addition to this innovative programmes in 'Geoinformatics' 'Oceanography' & 'Atmospheric Sciences' would be introduced. M.Phil. in 'Environmental Science' and 'Geology' would also be introduced. The thrust area for research would be 'Seismic Studies', 'Geochemical Studies', 'Geophysical Studies', 'Environmental Pollution Studies w.r.t Fluorine, EIA', 'Roof Water Harvesting Studies', 'Honeybees' and Water Pollution Studies. School

also plans to go for three tier collaborations with Research Institutes, Industries & Colleges

🔶 **Education:** School in its first stage would like offer credit exchange in Language education, science education, social science education New proposed courses are as follows: Education Management, Computer Assisted Education, Econopedology, Education Work in M.Ed. while in Physical Education it would offer new courses in Sports Medicine, Sports Biotechnoloty, Exercise Physiology. The thrust area for future research are as follows: 'Technopedology', 'Constructivism', 'Education Assessment & Evaluation', 'Education Management & Planning', 'Curriculum Design', 'Teacher Education', 'Elementary Education in the field of Education while thrust areas in physical education would be 'Sports Medicine', 'Sports Biomechanics' 'Sports Psychology' & 'Coaching Technology'

🔶 **Language & Literature:** The school would introduce courses in Hindi, Sanskrit, German, Spanish, Chinese, Urdu, Panjabi, Gurumukhi etc. The thrust area for research would be American Literature, Indian Writing in English, Phonetics, Linguistics, Modern Marathi literature, criticism, translation studies, adivasi sahitya, dalit sahitya , 'ancient languages', etc.

🔶 **Life Sciences:** School would like to new courses in 'Zoology', 'Clinical Research', 'Herbal Bio-technology (Pharma)', 'Agro-biotechnology', 'Integrated Course in Medical Biotechnology' and 'Animal Biotechnology (Stem Cell). The focus of research would be as per thrust areas given below: 'Bioprospecting', 'Environmental Biotechnology', 'Biochemistry', 'Vaccine', 'Microbial Technology', 'Enzymology' and 'Plant Biotechnology'.

🔶 **Mathematical Sciences :** This newly established school will offer courses on Pure and Applicable Mathematics. Soft Computing,

Statistics and Industrial Mathematics. School will offer P.G. Diploma in Actuarial Science, which is in demand. School plans to emerge as premier research centre in Computational Mathematics (Soft Computing).

- **Media Studies:** The new courses that would be introduced will be 'Electronic Media', 'Multi Media Animation', 'Sports Jornalism', 'Women's Journalism'. Thrust area for research would be 'Public Relation' & 'Electronic Media'. In addition to this school is also planning to establish 'Community Radio Centre'

- **Pharmacy:** ' School would offer new courses in 'Pharmachology', Pharmacognosy, 'Quality Assurance', 'Pharmaceutical Management'. The thrust area for future research work would be 'Development of Anti-HIV Agents', 'Development of Anti-dibetic Agents', 'Development of Anti-Cancer Agnets', 'Anti-Hypertensive Agents' '

- **Physical Sciences:** School would introduce courses in 'Nanoscience', 'Nano material', 'quantum mechanics', 'Electronics', 'Theoretical Physics' and 'Diploma in Vacuum Technology'. The thrust areas for future research would be nano-materials, interstellar matters, chemical physics, yoga & biophysics and dielectric liquids

- **Social Sciences:** School would start new courses in 'Rural Development', 'Psychology' and 'Industrial Relations and Peer Management. The focus of research would be based on following thrust areas. 'Tribal Research', 'Agrarian Studies', 'Gender', 'Rural Development', 'Weaker Sections' and 'Dam & Development'

- **Sub-Campus:** It is proposed to start two new schools on sub-campus. The proposed 'School of Social Sciences' would offer new course in M.A. Economics with 'Economatrics' would be offered as specialisation. The proposed 'School of Technology' would offer two

PG courses M.Sc. 'Bioinformatics' and M.Sc. 'Computer Sciences' with specialisation in 'Geoinformatics' and 'Information and Communication Technology'

Goals to be achieved by 2011

→ Expansion: New Schools, Courses & Centre for Advanced Studies
- ⇒ School of Mathematics
- ⇒ Foreign Languages: University would introduce certificate courses in 'Chinese' & 'German' languages
- ⇒ School of Dramatics
- ⇒ School of Science & Technology
- ⇒ Centre for Geoinformatics
- ⇒ Open & Distance Education

ODE will provide educational opportunities not only to those who discontinue formal education on account of economic or social compulsions, but also to young school leavers who are simply unable to secure admission in the formal stream at universities. It is time to address these problems. There is a clear need to improve the quality of ODE and to make it more appropriate to the needs of society. With this view, quoted by NKC, our university would set up ODE on campus to cater to the need of the unprivileged students.

- ⇒ Courses in Masters of Insurance & Accrual Management, Rural banking management, NGO management (NKC)
- ⇒ P.G.Diploma in Service Management
- ⇒ Course in Clinical Research
- ⇒ Innovative Programme in Nanoscience. It is expected to raise funds of about 60 lakhs through this scheme
- ⇒ Duel degree in school of Earth Sciences, Life Sciences etc.
- ⇒ AICTE recognition to School of Pharmacy
- ⇒ Integrated Course in Medical Biotechnology
- ⇒ Multi entry point & exit point integrated courses on campus
- ⇒ **Centre for Advanced Studies:** Potentially good schools like School of Earth Sciences, Chemical Sciences, Life Sciences, Physical Sciences, would be identified as Centre for Advanced Studies wherein there would be active collaboration of universities of international repute at teaching, & research front.
- ⇒ **Women's Study Centre:** A centre for women's development would be established on the campus

⇒ **Centre for Rural Development:** Rural development, being the backward region, would be given due emphasis for the all-round development of the area. This centre would lead the rural people towards an agro-industrial society through the process of modernisation. This centre would be established under the School of Social Sciences. This centre would develop linkage with the Marathwada Agricultural University located at Parbhani. The centre would also offer various diploma courses for various aspects of rural development

⇒ Academic Autonomy to all campus schools

According to Yashpal committee any change in the governance structures of a university should be aimed at achieving more autonomy for it. In academic matters, the teacher should have complete autonomy to frame her/his course and the way she/he would like to assess her/his students. This autonomy should also be available to the students who should be allowed to take courses of their choice in a relaxed manner from different universities and then be awarded a degree on the basis of the credits they have earned. Based on these lines, university would like to offer Academic autonomy to all campus schools

⇒ Autonomy to colleges

There is need is, to renew and revitalize the college system and also to "lighten the load" of the universities and freeing the better and large colleges to become independent of the university processes. On these lines suggested by Yashpal committee & NKC university would like to give autonomy to selected 10 colleges in the first phase

➡ **Learning**

⇒ LCD in each class room

⇒ Computer lab in each school

⇒ Computers to all teachers to prepare study material

⇒ Departmental Library in each school

⇒ Night library facilities in the central library

⇒ Courses on soft skill and Anti-terrorism & Peace Education

⇒ Adjunct Faculty on campus particularly in school of earth sciences

Facilities to students

$\Rightarrow$ Merit scholarships to toppers

$\Rightarrow$ Earn and learn scheme to each and every needy student

$\Rightarrow$ Book bank facility

$\Rightarrow$ Question bank facility

$\Rightarrow$ Exam Reforms: Paper pattern based on NET/SET and competitive exams with Multiple Choice Questions with negative marking system in the first phase and on-line exam in next phase

$\Rightarrow$ Teachers Training (Pre & Post recruitment)

Research

$\Rightarrow$ Three tier collaborations with national laboratories, industries & Colleges

$\Rightarrow$ MOU with NGRI, Hyderabad, IGIS, Hyderabad, IMD, NEERI etc.

$\Rightarrow$ MOU with select colleges in Geology, Environmental Sciences & Geography

$\Rightarrow$ Motto Research focusing its research activities (Agricultural, herbal, natural resource management, sports bio technology Bioactivity Studies, etc.) to local region. The idea is to generate primary data in terms of thrust subjects given by each school, so that research information, for all the four districts under university jurisdiction and then Marathwada, would be generated in all the allied subjects which would form the datum line for further research in the allied fields.

$\Rightarrow$ Vibrant Ph.D. (**University would like to go for More Quality Ph.Ds; Promote research by creating vibrant Ph.D. programmes and making university the hub of research. Ph.D guidelines would be revised accordingly – NKC**)

Pre-Ph.D.Course:

The programme shall be tailored to cater to different disciplines and will include a study of latest trends in particular streams. It will train

the students in analytical skills, research methodology, instrument use, dissertation writing, etc. Pre-Ph.D. shall be considered as qualification for undergraduate teaching.

$\Rightarrow$ Facility of Ph.D. for senior citizens

$\Rightarrow$ FIST funding for all science schools

$\Rightarrow$ SAP proposals for all schools

$\Rightarrow$ It is necessary for all research bodies to connect with universities in their vicinity and create teaching opportunities for their researchers and for all universities to be teaching and research universities (Yashpal Committee & NKC) In this regard university would encourage collaborative funding.

$\Rightarrow$ Funds through research projects would be raised to more than 7 crores

$\Rightarrow$ Shri. Guru Govind Singh Research Centre: Funds would be raised from private sectors

$\Rightarrow$ It is expected that university would get funds of about Rs.50 cr in UGC XII Plan

Extension Activities

$\Rightarrow$ Students Facilitation Centre

$\Rightarrow$ International Student Centre

$\Rightarrow$ Broucher for each school

$\Rightarrow$ Staff Meetings with Vice-Chancellor: Vice-Chancellor would be regularly meeting with the teaching staff to understand their difficulties & problems that they encounter while teaching and carrying out research & extension activities. The same will be then taken care of to meet their academic demands. This practice would certainly help build healthy academic atmosphere on the campus

$\Rightarrow$ Dress code for school teachers

$\Rightarrow$ Sexual Harrasment Cell

$\Rightarrow$ Personality Development Cell

$\Rightarrow$ Earn & Learn Cell

$\Rightarrow$ Employment Cell

$\Rightarrow$ Formation of Alumni Association

Modern communication, globalization and post GATT era or open marketing for developing countries have opened the gateway to peep into the international trade, with quality projects. There is an urgent need to tap unconventional sources of funding. An important source would be the Alumni of our university who are well placed and can give a helping hand in the form of donation. A detailed plan will be chalked out with the Alumni Associations to get NRI alumni involved in fund raising.

$\Rightarrow$ YASHADA Centre on campus

$\Rightarrow$ Competitive Examination Guidance centre

$\Rightarrow$ Establishment of Dr.Babasaheb Ambedkar Chair

$\Rightarrow$ Seminars for 'Teachers', 'Management members', 'Industrialists, etc.

$\Rightarrow$ PRO on campus

$\Rightarrow$ Organisation of Indian Science Congress

$\Rightarrow$ Organisation of 'Indradhanyushya'

$\Rightarrow$ Organisation of 'Avishkar'

$\Rightarrow$ 'Gandhian Thoughts & Yoga Philosophy Centre' The centre would be developed based on Gandhian Thoughts where clean environment would be developed which will be pollution free and emphasis would be given on living the life with nature following yoga techniques.

$\Rightarrow$ **Peer Team Evaluation:** Re-accreditation of the university

Feedback: Feedback from students, parents & industry. This practice would be on lines with the recommendations of Yashpal committee wherein it is advised to devise mechanisms for social audit processes and public feedback on its performance and its achievements (National Commission for Higher Education & Research)

Infrastructure

$\Rightarrow$ Face lift of the university campus

$\Rightarrow$ Total renovation of class rooms: It is generally a neglected area and needs urgent attention. The classroom space would be standardized to the level of International Education Universities

Proposed Class Room   Proposed Laboratories

⇒ Well Furnished Laboratories: Another neglected area in the traditional universities is laboratories. The laboratories in the university would be developed as per the ideal norms

⇒ Landscape development

⇒ Plantation on campus

⇒ Water facility: A direct pipe line from Godavari river would be provided to the campus for un-interrupted water supply to the campus

⇒ Solar lights in hostel, guest house

⇒ New facilities, such as, computers, photocopying, e-mail, internet surfing and telecommunication would be provided in the hostels. For education to be a continuous process, computer facilities would also be provided in the hostel premises equipped with learning programs, video interactive modular programs

⇒ New buildings for School of Languages, School of Media Studies, Fine Arts, Education, Canteen, Auditorium & Central Library

⇒ Extension of existing seven school building

⇒ Separate building for 'Examination Section'

⇒ New building for sub-campus

⇒ Seismic Observatory on campus

⇒ Health Centre with all the modern facilities

⇒ Parking sheds for all schools

Recruitment of staff

⇒ Teaching staff: Present teaching staff strength of 71 would be taken up to 125

⇒ Appointment of senior faculty particularly Professors. It is expected to take the present strength of professors from 6 to 25, Associate Professors from 12 to 35 by 2013

⇒ Administrative Staff: The strength would be taken up to 400

⇒ Students strength is expected to go up to 2000 by 2013 for campus and 300 for sub-campus

➡️ **Expansion: New Schools, Courses**

$\Rightarrow$ Autonomy extended: Academic & administrative autonomy

$\Rightarrow$ Removal of rigidity in terms of time bound credit programmes

$\Rightarrow$ Modular Syllabus for all courses run on campus

The concept in brief is as follows:

Modular Syllabus

▶ Pre-Requisite of Students

▶ Availability of Time for Students

▶ Availability of Time for Teacher

▶ Duration required to complete the module

Stages

i)   Knowledge Analysis

ii)   Instruction (Referencing)

iii)   Expression (Training)

iv)   Creation (Project)

v)   Self Evaluation

Tests for each Module

▶ Pre-Test

▶ Post-Test for each module

Flexibility in opting modules

▶ Module could be of 1 credit, ½ credit etc.

▶ For each Theory paper of 4 Credit or 2 Credit there would be number of modules (flexible) but each student shall have to complete minimum of 70 – 75% modules. 30-25% modules can be exchanged.

Module Assessment

- In regular semester or credit system pattern the assessment is based on 'Minimum Learning Skill'. In modular form the assessment shall be based on 'Maximum Learning Skill'.

Feedback on completion of Module

- Feedback on Question Paper shall form the essential part.

The assessment of feedback could be done in five grades 'A', 'B', 'C', 'D' & 'E' . These grades shall help detect difficulties that students faced while solving questions. The assessment of this will give clear idea about 'Common Difficulty Faced' by the student and 'Critical Individual Difficulty' faced by individual. This in turn will then help teacher to guide the students in general for common difficulty faced and individual student for critical individual difficulty faced.

$\Rightarrow$ Self finance short term certificate courses

$\Rightarrow$ Courses in robotics, human genetics

$\Rightarrow$ Courses in Agro-biotechnology, IT Management, Management of food processing

$\Rightarrow$ Course in Herbal Biotechnology

$\Rightarrow$ Courses in IT in rural & tribal areas

$\Rightarrow$ Courses in Spansish, Sanskrit, Urdu. Full fledged school for Foreign Languages

$\Rightarrow$ Centre for Bioinformatics

$\Rightarrow$ Centre for Cheminformatics

$\Rightarrow$ Courses in Space Sciences

$\Rightarrow$ Innovative Programmes in Life Sciences. It is expected to generate funds of about Rs.60 lakhs

$\Rightarrow$ Community Radio Centre

Learning

$\Rightarrow$ Appointment of senior faculty, at least one in each school

$\Rightarrow$ University Examinations based on competitive exams

$\Rightarrow$ Virtual class rooms for all courses

$\Rightarrow$ Retain Good Academician. University would give incentives to the teachers for excellent performance

$\Rightarrow$ Continuous Assessment of syllabi by students, researchers, parents & industrialist. Modules offered would then be changed according to the glocal (local & global) need.

Research

$\Rightarrow$ Research area based on the thrust subjects given by each school shall be extended to other parts of the country

$\Rightarrow$ The focus of the research would be shifted to Industrial Research'. The research findings would be then useful to the industries

$\Rightarrow$ Projects shall be mandatory for all Professors/Readers.

$\Rightarrow$ Field Biology Station

$\Rightarrow$ Biodiversity assessment & its conservation in Marathwada

$\Rightarrow$ Research Funds would be raised to 10 crores. The emphasis would be on generating funds from industries – Industry Sponsored Research'

$\Rightarrow$ SAP for all schools

$\Rightarrow$ FIST sponsored Science Schools. The science schools would generate funds of about 8 crores through second level of FIST

$\Rightarrow$ Funds raised through these schemes would meet the expenditure to run some of the courses

$\Rightarrow$ In addition to this funds would be raised from state govt. & through self financing courses, exam fees, etc. to meet the expenditure towards academic development

Seminars/Conferences/Events

$\Rightarrow$ Seminars for students

$\Rightarrow$ Organisation of Avhan

◆ Extension Activities

⇒ International campus (Campus in other countries)

⇒ Corporate partnership

⇒ Digital University

⇒ Establishment of chairs for social workers

⇒ Teachers assessment by parents

⇒ Logo for each school based on the courses run in the school

⇒ Dress code for university staff

Peer Team Evaluation

⇒ NAAC accreditation of individual schools. After the re-accreditation university would like to go for accreditation of individual schools.

Facilities to students

⇒ Merit scholarships to 10% students

⇒ Earn & Learn scheme would be strengthened

Extension

⇒ Village adoption programme

⇒ Sanitation programme

⇒ User charges for people from outside

◆ Infrastructure

⇒ University bus. University would purchase bus of its own

⇒ Staff quarters to teachers

⇒ Swimming pool

⇒ Indoor badminton court

⇒ Development of Agro-forest

⇒ Green belt development

⇒ Good Canteen on the campus

University Bus

Swimming Pool

Indoor Sports Complex

Agro Forest

Canteen

Recruitment of staff

⇒ Teaching staff: Teaching staff strength would be taken up to 250

⇒ It is expected to have 50% of the staff as Professors on campus

⇒ Administrative Staff: The strength would be taken up to 500

⇒ Students strength is expected to go up to 3000 by 2013 for campus and 500 for sub-campus

Goals to be achieved by 2020:

Expansion: New Schools, Courses

⇒ Total academic flexibility in terms of academics, administration & financial matters; courses, time frame, student: any student, any course, any time exam pattern (Flexibility to jump from one faculty to other based on entrance test)

⇒ Courses in television and film, newsprint media

⇒ Courses in Pharmaceutical management, event management

⇒ Courses in ancient languages, yoga, etc.

⇒ Courses in nano materials and Quantum Physics

⇒ Courses in Atmospheric sciences

⇒ Courses in oceaonography

$\Rightarrow$ Course in Biochemistry

$\Rightarrow$ Course in Animal Biotechnology (Stem Cell)

$\Rightarrow$ Course in Theoretical Physics

$\Rightarrow$ Course in Master of Marketing Management

$\Rightarrow$ Vocational courses (NKC)

➡ **Learning**

⇒ Lectures of Scientists from R & D cell in industries

⇒ Attractive remuneration to highly talented teachers & other perks

⇒ Attracting best students from all over the country

⇒ Industry sponsored students

In order to reach the goals of doubling the higher education capacity from the present level, it will be necessary to encourage participation of the private sector (Yashpal committee). This could be achieved through industry sponsorship.

⇒ Study Material

It is necessary that all kinds of documents generated by the university, including its syllabi, the papers and books published by its faculty, the assignments submitted by its students and other products such as audio and video material, be treated as its knowledge products which need to be sampled for independent assessment on the basis of intrinsic merits as well as relevance for the study of problems which are manifest in the university's immediate social and natural milieu (NKC & Yashpal committee). University Teachers would be encouraged to write books as books act as knowledge products. The study material and Question Bank shall be up loaded on web site.

➡ **Research**

⇒ Enhancing existing natural resource ecosystem

⇒ Applied, societal based research in all discipline as per thrust areas given by each school would be carried out

⇒ Research in genomics

⇒ Focus on getting patent

⇒ Research Funds would be raised to 20 crores. The emphasis would be on generating funds from industries – Industry Sponsored Research'. First rank international universities are characterised by having very strong research collaborations with industries that sponsor research in the university

according to the demand of the industrial market. Our university would like to develop this linkage with the industries to bring it up to the international standard.

$\Rightarrow$ FIST sponsored Science Schools. The science schools would generate funds of about 16 crores through third level of FIST

$\Rightarrow$ In addition to this university, based on its excellence in academics, expects to raise funds of about Rs.100 cr through UGC XIII Plan.

Collaborations

$\Rightarrow$ Collaborations with Municipal corporations and other local bodies

$\Rightarrow$ Establishment of chairs for scientists

Extension Activities

$\Rightarrow$ Teachers assessment by alumni & industrialists

$\Rightarrow$ Entrepreneurship Cell

Peer Team Evaluation

$\Rightarrow$ Accreditation of individual teachers by NAAC

(Peer evaluation of faculty –NKC)

Facilities to students

$\Rightarrow$ Merit scholarship to 15% students

$\Rightarrow$ Education facility for senior citizens with fee waiver facility

$\Rightarrow$ School Magazine

⬆ Infrastructure

⇒ Student friendly facilitation centre
(University will implement measures such as single window system, deemed clearance, single composite application form as per the guidelines of NKC)

⇒ Staff quarters to all

⇒ Rock garden

⇒ High level Hostel facility for any scientists

⇒ Recreational areas on campus

Recruitment of staff

⇒ Teaching staff: Teaching staff strength would be taken up to 400

⇒ It is expected to have 60% of the staff as Professors on campus

⇒ Administrative Staff: The strength would be taken up to 800

⇒ Students strength is expected to go up to 5000 by 2020 for campus and 1000 for sub-campus

Natural Resource Development

⇒ **Wild Life Sanctuary:** University has animal wealth in terms of 'Peacock', 'Rabbits', 'Fox', 'Snakes', etc. To preserve these wild species university would develop sanctuary

⇒ **Roof Water Harvesting:** University faces severe problem of water scarcity to overcome this problem university would like to go for harvesting of rain water. It has total roof area of more than 100000 ft^2 . This would help recharge the bore & dug wells on campus

⇒ **Solar Energy Park:** University would like use solar energy for lights, fans etc.

⇒ **Agro-forest:** University would like to develop 'Agro-forest' on campus including 'Medicinal Plants'

⇒ **Solid Waste Management** on the campus would help keep the campus pollution free.

⇒ **Pilot Plant for Bio diesel** would be developed on campus as 'Jatropha plantation is growing substantially now

Social Aspects / Extension Activities

⇒ Naxalites Rehabilitation Centre at Kinwat

⇒ Special Drive to generate data in terms of Village Information System

⇒ Development of Tourism in i) Hottal ii) Unkeshwar iii) Narsi Namdev

In addition to this vision document of the university, all schools will prepare their Vision 2020 document giving emphasis on Teaching, Research & Extension.

Present Status:	Probable Status in 2020
⇒ Good infrastructure (Land & Building)	⇒ Best infrastructure & Planned Development
⇒ Limited well qualified staff from different regions of the country	⇒ Well renowned and experienced staff from abroad also
⇒ Most of the staff is young is not having national recognition. Lack of Quality Professors	⇒ National & international recognition to all teachers. Quality Professors
⇒ Research content is improved glaringly in past seven years	⇒ Research and projects of highest level
⇒ Not recognised as university with potential for excellence	⇒ UPE (University with Potential for Excellence)
⇒ No international students on campus	⇒ Large number of international students; talented students will be attracted in Maths & Basic Science subjects (More Talented Students in Maths and Science – NKC)
⇒ Leftovers only prefer to join university	⇒ Talented Students will join the university
⇒ Academic needs to be strengthen at par with national standards	⇒ Academic excellence
⇒ Meagre human resources	⇒ Good human resource
⇒ No manual of administrative work done in the university	⇒ Manual of administrative work done in the university
⇒ Lack of Good Work Culture	⇒ Atmosphere of Academic Affection
	⇒ Product- Students of highest calibre who has reached the stage of divinity a enlightened student a source of immense power

Role of University in developing all these educational, social & extension centres
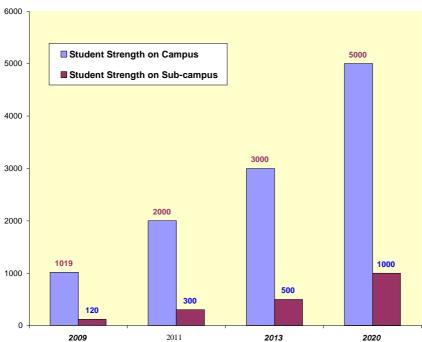
University, with its existing expertise, will take all the efforts to establish all the proposed courses. Its existing teaching & administrative staff will take the extra work load to set up the proposed courses & educational schemes.

The detail proposal of the screened & short listed programmes shall be prepared shortly.
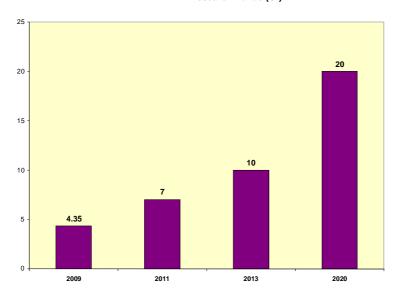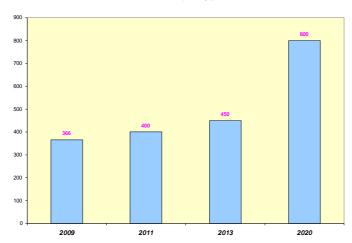
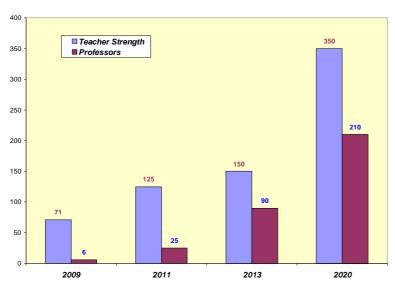## Graphical Representation of the Proposed Progress

Courses Offered

Student Strength

Research Funds (Cr)

Year	Research Funds (Cr)
2009	4.35
2011	7
2013	10
2020	20

Admn. Staff

Year	Admn. Staff
2009	366
2011	400
2013	450
2020	800

University Teachers & Professors

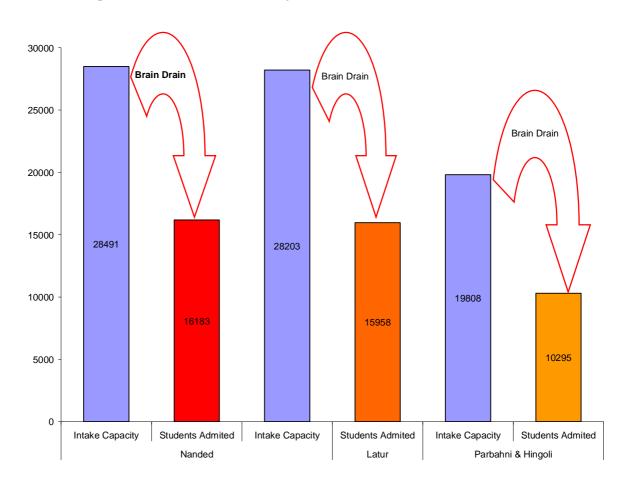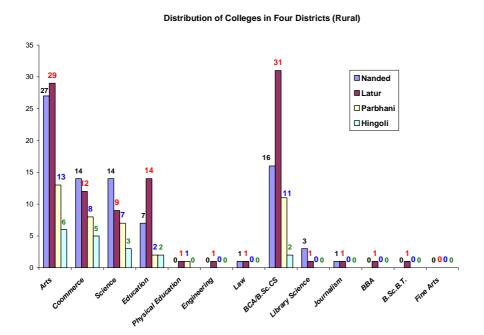| Year	Teacher Strength	Professors
2009	71	6
2011	125	25
2013	150	90
2020	350	210

Part B:-Vision Plan for Colleges

- **Status of Higher Education in University Jurisdiction**
- The Vision document keeps its focus on **Expansion & Excellence in Higher Education System**
- Establishment of colleges in backward district
- Community Colleges with Credit and non-credit courses
- Strengthening of general education programmes
- Career Oriented Courses
- College Cluster
- Exam Reforms
- Vibrant Ph.D.
- Faculty Development: Open Training Centre to train and update faculty in their individual specilisations
- Expansion in the field of Pharmaceuticals

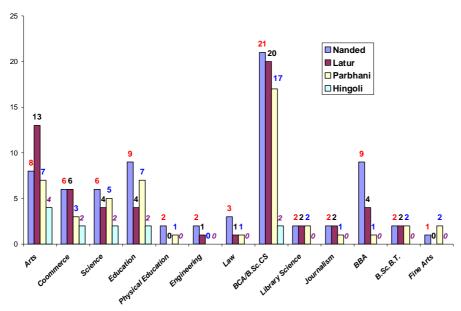## Status of Higher Education in University Jurisdiction

There is big brain drain in all the districts under the university jurisdiction. Surprisingly, district like Latur & Nanded which have great demand up to + 2 stage also show glaring brain drain. Obviously, students from these regions migrate to Pune & other big cities where better higher education facilities are available.
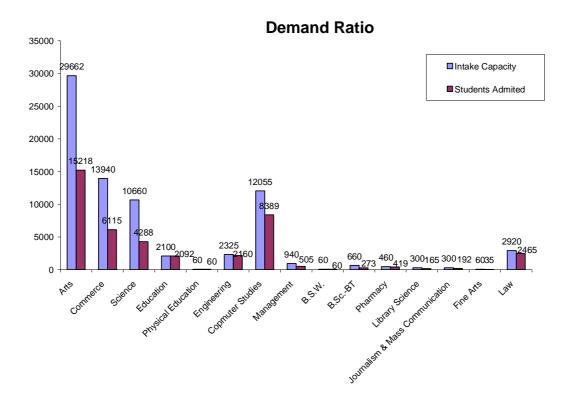
An effort is made to analyse the situation by preparing the graphs based on the statistical data collected from four districts.
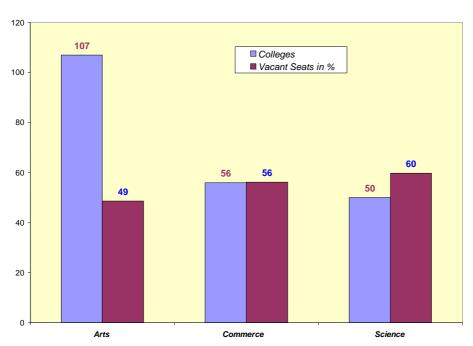
Distribution of Colleges in Four Districts (Rural)

Distribution of Colleges in Urban Area of Four Districts

Above graphs show the distribution of colleges in rural & urban area.
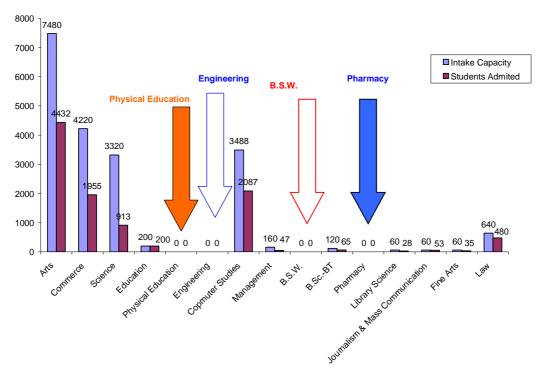
Demand Ratio

The above graph shows that there is less demand for basic courses.
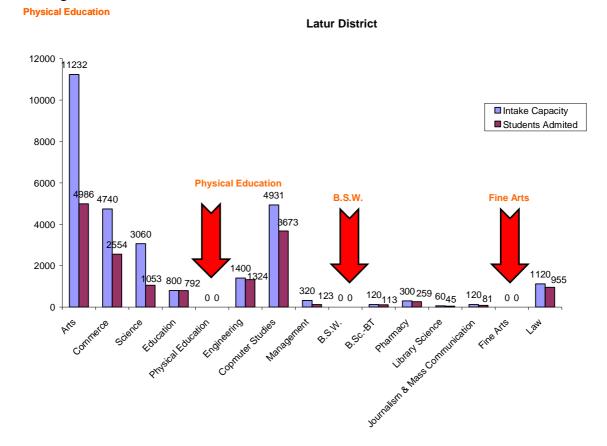
Vacant Seats in %

There are 50 Science, 56 Commerce & 107 Arts colleges in the university jurisdiction. In science 60% seats are lying vacant while in commerce & arts the figure is 56 & 49% respectively. This gives clear idea that the basic courses Science, Commerce & Arts faculty needs strengthening.
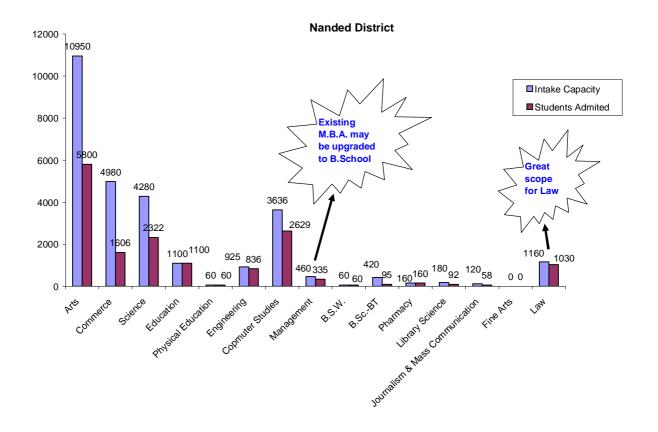
Parbhani & Hingoli District

There is scope of introducing courses in i) Physical Education, ii) Engineering iii) B.S.W. & iv) Pharmacy in Parbhani & Hingoli districts as there are no colleges offering these courses in the district.

Latur District

Latur district has got scope to introduce courses in Fine Arts, Physical Education etc.

Nanded District

Chart legend: Intake Capacity, Students Admitted

Faculty	Intake Capacity	Students Admitted
Arts	10950	5800
Commerce	4980	1606
Science	4280	2322
Education	1100	1100
Physical Education	60	60
Engineering	925	836
Copmuter Studies	3636	2629
Management	460	335
B.S.W.	60	60
B.Sc.-BT	420	95
Pharmacy	160	160
Library Science	180	92
Journalism & Mass Communication	120	58
Fine Arts	0	0
Law	1160	1030

Callout: **Existing M.B.A. may be upgraded to B.School**

Callout: **Great scope for Law**

The total H.S.C. pass out from our region is 57522 against which 75982 seats are available for graduate courses.

From the above graphs it is very evident that seats are lying vacant in the basic faculty of science, Commerce & Arts, while there is growing demand for the subjects like i) Law, ii) Management, iii) Engineering, iv) Pharmacy, v) B.S.W. , vi) Physical Education, vii) Education while there is big brain drain in the basic faculty like arts, commerce & science although number of colleges in science & Commerce is only 50 & 56. In order to stop this brain drain it is very essential to strengthen the basic courses. One of achieving the success in stopping the brain drain is i) attract the quality teachers ii) upgrade the syllabus at par with other national universities iii) provide placement opportunities to students.

Need for Vision Plan for Colleges:-

On one hand the students of high talent join professional institutes and universities of repute still most of the students join the affiliated colleges for higher education available in the region or migrate to newer and better place outside university

50

jurisdiction as the courses with better syllabus are not available in the area. The vision plan for colleges takes into consideration this very need of the student and would thus like to stop the brain drain.

➡ Establishment of Colleges in Backward District. There is scope of opening new colleges offering courses in i) Physical Education, ii) Engineering iii) B.S.W. & iv) Pharmacy in Parbhani & Hingoli districts as there are no colleges offering these courses in the district. Existing colleges shall be converted to community colleges offering both vocational and formal education.

➡ Community Colleges:

Community Education for Youth

Learning can take place in many environments, not just formal school class rooms. After-school, community education programs provide important opportunities for youth to hone technology and other 21st century skills in fun, engaging learning environments. To provide these programs, University will collaborate with governments and community organizations to develop the best ways to use technology for improved learning, specifically targeting communities where youth have limited access to technology in their homes and schools. These programs will be initiated by the University in selected backward Talukas under the university jurisdiction and communities. University would create models for community colleges that provide credit and non credit courses leading to two year associate degrees. These would include general education programmes as well as employment oriented programmes as suggested by NKC.
Such Community Colleges shall be established on the campus.

➡ Strengthening of general education programmes

- **The existing syllabi,** in the basic subjects, would be strengthened by inviting experts from the concerned subjects, researchers & industrialists. The re-structuring of the syllabi shall be done keeping an eye on job market. The

syllabi would be reviewed and revised regularly after every two years. The new syllabus would definitely make openings for migrants.

- **Select Principals** like from 'Yashwant College, Nanded', 'Rajshree Shau College, Latur', 'Dayanand College, Latur', 'Hawgiswami Collge, Udgir, etc. would be identified by the university as Potential Principals who would implement the vision.

- **B.Ed. Colleges.** There are 16 colleges in Nanded, 18 in Latur, 9 in Parbhani & 4 in Hingoli producing more than 2000 teachers of inferior quality. Special efforts would be made to maintain the quality of teachers produced from such institutions.

- # Integrated Courses including doctoral programme at Research Centres in Affiliated Colleges:

The recognised 22 research centres shall introduce Integrated Courses including doctoral programme with exit point at Pre-Ph.D. level. Students with Pre-Ph.D. qualification will be eligible for undergraduate teaching. At least few students of international calibre will be produced from such institutions where research is carried out. Research in such colleges will be strengthened by allocation of 'Research Grant' for the quality research.

- # Teaching Pattern: Noteworthy Teaching Pattern on the lines of competitive examination shall be introduced in the colleges with reputation like 'Yashwant College, Nanded', 'Rajshri Shau College, Latur', 'Mahatma Gandhi College, Ahmedpur', 'Maharashtra Udayagiri College, Udgir', 'Dnyanopasak College, Parbhani', 'Adarsh College', Hingoli' & 'N.E.S. Science College, Nanded' with the use of new teaching aids like LCD Projector, and providing 'Study Material' of highest quality to students to begin with.

Proposed New Courses in Affiliated Colleges

1} Nanded

⇒ Up-gradation of syllabus of Law on par with National School of Law: Law College, Nanded would be encouraged to

upgrade its syllabus at par with National School of Law by offering 'Moot Court' right from the first semester.

⇒ Colleges like 'Yashwant College & Science College would be encourage to generate ***Web based common resources as suggested by NKC***

2} Latur

⇒ School of Governance would be opened in affiliated Colleges at Latur

⇒ Colleges from Latur would be encouraged to establish Industrial Training Institute for Students

3) Parbhani

⇒ Colleges from Parbhani would be encouraged to offer courses in 'Agro-biotechnology'and 'Herbal Biotechnology' as enriched programmes to attract rich undergraduate students. The college would also be encouraged to offer MBA degree with these courses as duel degree

4) Hingoli

⇒ Colleges from Hingoli would be encouraged to offer courses in Archaeological Studies and Physical Education

➡ Career Oriented Courses

All affiliated colleges will be encouraged to implement career oriented courses effectively.

➡ Autonomy

Colleges with potential like 'Yashwant College, Nanded', 'N.E.S. Science College, Nanded', 'N.S.B. College, Nanded, 'Adarsh College, Hingoli', 'Maharashtra Udaygiri College, Udgir', 'Hawgiswami College, Udgir', 'Dayanand College, Latur', 'Rajshri Shau College, Latur', & 'Dnyanopasak College, Parbhani', would be encouraged to go for Autonomy.

Performance Indicators, prepared by the university, shall be followed in the strict sense while maintaining the academic standard in colleges. The format for which would be as follows:

PERFORMANCE INDICATORS
For
Affiliated Colleges

Mission: Student Focussed Teaching-Learning Process

Vision: To Develop Well Cultured Human being useful to Society in all Walks of the Life

The performance of each college shall be assessed based on
i)   Input Parameters
ii)   Process Parameters
iii)   Output Parameters
        (Performance in academics, Govt. Sector and Private Sectors)

1] Teaching
a) Teacher Quality
b) Teaching Methods (OHP, LCD and Board & chalk method; use of board, note dictation)
c) Communication skill/expression ability
d) Ability to motivate students (encourage students to take down their own notes)
e) Subject knowledge, updates and up to date knowledge in the subject and up dates in the study material
f) Scope of the subject, best institutions in India
g) Completion of syllabus
h) Maintenance of attendance records
i) Percentage of students present in the class
j) Number of classes bunk by the students
k) Discussion on research papers in the concerned subject
l) Practicals in the laboratory
m) Tutorials on how to write answers
n) Tutorials on time management and stress management
o) Meetings of Principal with Teachers (about practical difficulty teachers face during teaching)
p) Maintenance of practical records, and other assignment
q) Academic plan / Calendar
r) Preparation holidays

2] Curriculum
a) Syllabus at par with national standards
b) Syllabus updates / revision
c) Market demand and syllabus revision
d) No. of courses offered
e) Maintenance of record of best institutions in India and our own position with respect to that level.
f) Courses offered (UG, PG, Research Programmes, Innovative Programmes, Vocational Programmes etc.)

3] Geographical location of Institution / College

a) Student demand and no. of colleges offering that particular subject/faculty

4] Teaching Staff

a) Appointment of teachers according to workload and Govt. rules
b) No. of Permanent teachers, no. of temporary teachers, contract basis and CHB basis
c) No. of teachers with Ph.D. as highest qualification, M.Phil as highest qualification and PG degree as highest qualification
d) No. of teachers not eligible according to Govt. rules
e) Guest lectures by experts / professionals / industrialists
f) Involvement of University teachers in college teaching

5] Library

a) No. of books as per syllabus
b) No. of books on competitive examinations
c) Journals in Library
d) Working hours of Library

6] Status of College

a) Granted or non-granted
b) College with full fledged Principal

7] Financial Status of college

a) Grants received through i) Govt. ii) UGC iii) other funding agencies iv) Alumni v) Stake holders
b) Recurring budget and non-recurring budget
c) Budget for academics (equipments and books), infrastructure development
d) Utilisation of budget (un-spent budget, if any)
e) Surplus budget and deficit budget

8] Campus development

a) Class rooms, laboratories, common rooms for boys and girls
b) Drinking water facility and toilet facility
c) Primary health centre
d) Canteen
e) Student facilitation centre
f) Essential equipments for practicals
g) Well equipped computer laboratory
h) Internet facility to students
i) Play ground
j) Other sports facility
k) Garden

9] Student Progression

a) Scope given to creativity of students in terms of new ideas

b) Seminars

c) Participation in Youth festival, Indradhanyushya, Ashwamedh, Avishkar etc.

d) Study tour (Visit to educational institutes, industries, field, national lab etc.)

e) Participation of students in seminars, conferences, exhibition etc.

f) Students participation in society (Plantation, traffic control, etc.)

g) Students results (entry level and exit level performance)

h) Higher Studies

i) Students placement in various walks of the life

10] Exams
a) Internal exams and university exams

b) Availability of paper pattern and old question paper sets

c) Availability of ideal answer papers or answer papers of toppers

d) Question bank

e) No. of Mal practice cases

f) Examiners (Internal and External)

g) Timely declaration of results

h) Transparency in assessment

i) Relationship between standard of students and marks scored

j) Percentage of students appearing for national level exams (NET/SET/PSC etc.)

k) Test Series, Practice exam

l) Solution to questions

11] Students Guidance Centre
a) Scope of the subject

b) Job opportunity in the subject

c) Information about Competitive exams

d) Syllabus and Question sets of competitive exams

e) Preparing students for interviews (by team experts)

f) Guidance about how to write students resume

12] Students Placement Cell
a) Campus interviews

b) Involvement of students in Placement activities

13] Facility provided to teachers
a) Study room

b) No. of courses, other than orientation and refresher courses, attended by the teacher to improve his/her knowledge in the paper or subject that he/she is teaching.

c) Scheme to purchase books for personal library

d) Scheme to purchase computers

e) Separate budget for teachers for teaching (preparing study material, teaching aids etc.)

f) Service protection

g) Timely promotions

h) Appreciation for good work carried out

i) Maintenance of Self Appraisal reports
j) Leave facility to attend academic programmes
k) Earn leave facility to teachers who work during vacation

14] Audit Cell
a) Academic audit
     i) of college ii) of department iii) of individual teacher
b) Financial audit

15] UGC & NAAC Cell
a) Schemes through funding agencies like DST, UGC etc.
b) Accreditation status (IEQA)

16] Collaboration
a) With university departments
b) With Industries and other organisations

17] Personality Development Cell
18] College Magazine
19] Competitive Exam Coaching Cell
20] Research, Consultancy and Extension activity
21] Seminars for a) Students b) teachers
22] Teachers Club
23] Training a) Teachers b) Administrative Staff

➡ College Cluster

Most of the universities are burdened with the heavy work load of affiliated colleges, hence, as per the recommendations of Yashpal committee 'College Clusters' would be formed in each district. One college with potential would be identified and a group of 30 to 50 colleges would work under this college. Such potential colleges identified by the university are 'Yashwant College, Nanded, Dnyanopasak College, Parbahni', 'Rajshree Shau College, Latur', & 'Adarsh College, Hingoli. Autonomy shall be provided to clusters of colleges, based on similar standards and geographical proximity. These colleges will offer different courses between them.

➡ Exam Reforms:
Exam reforms would be introduced for college examination. Multiple Choice Questions, using OMR sheets, shall form the part of regular examination with the weightage of about 37%. The paper pattern would be based on NET/SET & other PSC exams. Answer sheets with

stipulated space for writing answer shall be provided to students. The exams in next phase will be made on line

➡️ **Faculty Development: Open Training Centre to train and update faculty in their individual specilisations**

⇒ Faculty Development Centre: *Open training centres to train and update faculty with latest developments in their profession as recommended by NKC would be established in the renowned Rajshri Shau College, Latu. This would help improve the quality of teaching and would definitely stop the brain drain making openings for migrants. Induction training would be made mandatory to all newly recruited teachers.*

➡️ **Expansion in the field of Pharmaceuticals:** This is the fast growing and job fetching field. Furthermore there is scope to open Pharmacy Colleges in Parbhani & Hingoli. The PG degree courses in 'Pharmachology', Pharmacognosy, 'Quality Assurance', 'Pharmaceutical Management' would be offered in such colleges

➡️ **Education Network:** University would encourage colleges to build a national knowledge network with gigabit capabilities to connect all universities, libraries, laboratories, and agricultural institutions to share data and resources across the state to begin with and then across the country in the next phase.

The possible networking option, as suggested by NKC, would be using existing commercial networks, making capital investment in equipment unnecessary. It requires minimum maintenance, operations organization and negligible capital expenditure.

The network shall consist of a Core using Internet Protocol (IP) and Multi-Packet Labeled Services (MPLS) technology, an Aggregation or Distribution network, and an Access or Edge network linking the institution's local area network (LAN) to the Core. The network shall be implemented in phases. Fast Ethernet LAN (FELAN) which includes expenditure on routers, switches and optic fibre cable on the campus of such colleges shall be set up. The UGC funds for such connectivity are available.