

VISION 2025

Shivaji University, Kolhapur

Foreword...

Shivaji University, Kolhapur has moved through its 50th anniversary in 2012, charting a course for significant make over and set to define a new model of Higher Education. As innovation compels us to be ever more pertinent, connected, prolific, productive, it becomes mandatory for every decision and action to be promptly oriented.

The founder visionaries of this University like Loknete Balasaheb Desai and the other legendaries in the said team have inspired Shivaji University to set emphasis on development, i.e. from local to global through the milestones achieved across these fifty years.

All dedicated Vice-Chancellors, Administrator, Teachers, Alumni; Stakeholders have successfully promoted and fostered a culture of high quality teaching, learning & research, alongwith greater support and contribution of people in Kolhapur, Ratnagiri, Solapur, Sangli and Satara districts.

The University has always placed students community at the centre and strives to bring in them the value of harmony, co-operation, sharing & reverence for life with solution and positive perception. This has encouraged them to realize their vigour and strong desire to fall into adventure with greater encouragement to face global challenges.

The Vision 2025 document portrays our motto 'Where Knowledge is Nectar' alongwith our Vision, Mission and Goals of next quarter of the century. These shall serve as guidelines for scholars and the society for their promotional actions in the true interest of Higher Education.

I am sure that, Shivaji University, named after a great historical figure in Maratha Empire and who is always a source of inspiration, will march towards great success through strategic plans brought out in this Vision 2025.

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VISION 2025

By 2025, Shivaji University, Kolhapur
looks forward to be one of the Nation's top Universities and a
distinguished Hub of Higher Education,
Research and Social outreach

Shivaji University, Kolhapur

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Vision, Mission, and Goals...

Vision

Shivaji University is committed to meet the educational, social, cultural and economic needs of the region and the nation and to create a just and humane society.

Mission

We are dedicated to promote and foster a culture of high quality teaching, learning and serving societal needs by encouraging, generating and promoting excellence in research and extension activities.

Goals

- To make Selfless efforts for the spread of University education among classes and communities which are socially and educationally underprivileged.
- To make special provisions for promoting art and culture in the rural area and help them for marketing their products.
- To supervise and control the conduct and discipline of the students of the universities and provide them counseling for their physical and mental well being.
- To motivate young researchers/teachers/leaders/ administrators / industrialists / entrepreneurs / agripreneurs / managers / scientists to acquire knowledge and scientific curiosity.
- To promote the study and research of Marathi language and the history, culture, education and nature of Maharashtra.
- To provide opportunities to the community to reach its highest personal and professional potentials.
- To develop the personality and character of students through value education and ICT based training.



Shivaji University : An Overview

Shivaji University has a rich cultural heritage. The University was established in 1962. It is named after the Great Maratha Warrior and Founder of the Maratha Empire, Chhatrapati Shivaji. It was inaugurated on 18th November, 1962 by Dr. S. Radhakrishnan, the then President of India. Its jurisdiction at the time of establishment was spread over five districts of southern Maharashtra, viz., Kolhapur, Sangli, Satara, Solapur and Ratnagiri. The Ratnagiri district was rejoined to Mumbai University in 1971 and for Solapur district a separate University was established in 2005. Today the jurisdiction of Shivaji University consists of three districts, viz., Kolhapur, Sangli and Satara. The Campus, raised in about 853 acres, against the backdrop of captivating cultural heritage. Shivaji University itself is an achievement in the academic and scholarly spheres of Maharashtra. The main administrative building, Barrister Balasaheb Khardekar Library, humanities building, other faculty blocks and hostels for student are skillfully developed. The horse mounted statue of Shivaji Maharaj in front of the main building is a special splendor. The University has scenic beauty of nature enriched by lakes, forests, various trees, creepers, and flowering plants.

Academic Excellence

The University started functioning with 34 affiliated colleges and about 14,000 students with five post-graduates Departments and Centres on the campus. Today, the number of affiliated colleges has gone up to 281 with 38 post-graduate departments on the campus. The students strength today is above 2,50,000. The University imparts education in 7 major faculties, viz., Arts and Fine Arts, Social Sciences, Science, Commerce and Management, Education, Law, Engineering and Technology. During the initial two decades the efforts of the University were concentrated on expansion of higher education and affiliation of new colleges in different parts of five districts under its jurisdiction. Shivaji University, which was founded primarily to cater to the regional aspirations, has now geared up to transcend the initial

regional image and has emerged as one of the premier institutes of higher education and research in India. Initially, this University was known as a rural University, as it was instituted to cater to needs of the region. The University has consolidated its base during this phase by 'taking education to the people'. The decade of 1980s has marked the major expansion, especially with the growth of professional faculties like Engineering, Education, Management and Medicine. The recent phase of the University has been 'a pursuit of academic excellence'. We now look ahead to ensure this pursuit of excellence, transformed into a centre of higher learning in the world during next couple of decades, in order to accomplish our vision and to create a fine band of capable researchers and scholars bestowed with social commitment. The University has also maintained its high standards of general administration, efficient evaluation system, prudent financial management and cordial relations with funding agencies with its continued efforts.



- Theme 1 -

Teaching, Learning and Curricular Aspects

Thematic Goal :

Promoting excellence in teaching with focused curriculum and developmental approach.

In the global 'knowledge economy', it is imperative to nurture the knowledge and skills of the learners for well being of the nation. In this context the Universities have a significant role to play for imparting quality teaching in order to ensure the all- round development of students in terms of knowledge, skills and values.

Current Scenario

Presently, Shivaji University imparts education in seven faculties, viz., Arts and Fine Arts, Social Sciences, Science, Commerce and Management, Education, Law, Engineering and Technology. In the last few years, new Centres, Chairs and Departments were established for starting new courses in the front-line areas of knowledge, in addition to diversification and enrichment of the academic content. A numbers of Diploma, Certificate and Add on courses are made available as per the requirements of the labor market. The University has also adopted the mechanism of bridge courses for establishing the link between academic courses and the professional expertise. Provision has been made for a students to opt for two degrees in a year simultaneously, for catering to the needs of the fast learners. About sixteen self financing courses were started during the XI plan period (2007-12). In XII plan period (2012 -17) emphasis will be on strengthening the teaching-learning and infrastructure of the newly started Departments. Choice Based Credit System is implemented in all Departments. Multiple approaches have been initiated to achieve the high standards of teaching and research by finding new avenues in fields of physical, chemical and life sciences.

The faculty of Social Sciences is also taking apt steps to advance, promote and propel the economic, social, political and cultural

development of the students through innovative teaching programmes. The faculty of Languages have brought in noteworthy reforms in their pedagogical model by inculcating ‘technology enhanced language teaching’. The Department of Technology has also geared up by starting undergraduate and postgraduate programmes in the frontier areas of industrial importance. Other academic programmes, such as integrated M.Tech and M.Sc. (Nano Science and Technology) and the Rural Development curriculum facilitate the students to become self sufficient individuals. The faculty of Education taken care of curriculum aspects by the continuous enhancement of the pedagogical tools and methods. All the faculty members have been granted academic flexibility in order to incorporate minor modifications in the curriculum as and when necessary. The university is also keen on harnessing the Information and Communication Technology (ICT) based instructive strategies by equipping the faculty members with laptops and instituting smart classroom facilities in many Departments.

Plan of Action...

In order to foster closer connections between academics and actual field experiences, emphasis shall be laid on promoting excellence in teaching and curricular aspects .It aims it empowering the students with a fine blend of specializations and a super-specialization approach in prevailing areas of knowledge. Following core strategies will be adopted to achieve the Vision-2025 thematic goal concerning the teaching, learning and curricular aspects:

- ❑ Facilitate career development in numerous areas of fundamental science and technology.
- ❑ Develop campus-based learning through high-quality interactive teaching resources.
- ❑ Introduce flexibility of the academic year to widen the access.
- ❑ Increase the success ratio of degree holders
- ❑ Emerge as knowledge hub at international level by offering world-class learning resources and programmes.
- ❑ Initiate a need-based curriculum to infuse best skills among students.

- ❑ Ensure timely up-gradation of curriculum and relevance of the same to the needs of industry and society.
- ❑ Bring more Departments under merit based schemes of funding agencies such as DRS/DSA /COSSIST/SAP/CAP/FIST/PURSE programs.
- ❑ Ensure the participation of students, teachers and young scientists and non-teaching staff in sharing the task of social responsibility.
- ❑ Facilitate experience based integrated learning by assimilating theory and practice.
- ❑ Offer internationally aknowleged Master’s programme in specialised fields.
- ❑ Establish international relations by way of MoUs with overseas institutes of higher learning.
- ❑ Offer credit transfer programmes with overseas institutes in addition to implementation of CBCS amongst all the University Departments and affiliated colleges.
- ❑ Offer good number of online programmes.
- ❑ Encourage more interdisciplinary, interfaculty teaching programmes.
- ❑ Offer more integrated Bachelor’s/Master’s programs as well as dual-degree programs.
- ❑ Generate effective system that will support and promote teaching excellence.
- ❑ Develop successful recruitment and retention strategies that will address to our entire student population.
- ❑ Ensure holistic personality development of the students through counseling and guidance, in-house and outside training programmes.
- ❑ Conduct effective counseling of the students for their well being in professional, community, social, and personal areas.
- ❑ Attract expert and multifaceted faculty for ensuring teaching excellence.
- ❑ Create faculty positions in the Departments to maintain ideal teacher / student ratio
- ❑ Create scholarship funds to cover most of the students.

- ❑ Engage the students in University system for exposure and hands on experience of administrative and academic processes.
- ❑ Coordinate the activities of government and NGOs to support the social, economic and cultural cause that leads to development of the state and nation.
- ❑ Promote industrial partnerships for imparting hands on training and experiential training.
- ❑ Increase the number of students and faculties getting national and international awards.
- ❑ Encourage need based research with due emphasis on doctoral research
- ❑ Create brand name at national and international levels in terms of outstanding students demonstrating success in various fields.
- ❑ Develop the students' mindset towards eradication of superstitions and social evils.
- ❑ Encourage creation of 'Learning Communities' comprising small group of students facilitated by integrated supports such as peer mentoring/tutoring, leadership development, hands on learning activities and career development workshops.
- ❑ Embed a set of core values such as sanctity of truth; integrity; honesty; mutual respect and civility; social responsibility; stewardship of our environment; and the importance of diversity in all forms.

Outcome...

- ❑ Holistic implementation of (CBCS) Choice Based Credit System.
- ❑ Establishment of School of Nano Science and Technology aspiring to develop a new, well-focused integrated program of five years duration, in which nanoscale concepts are firmly embedded from the start. The courses would be offered to train students to become scientist-educators who can venture the concepts of nanoscience, nanotechnology and nanoengineering at secondary schools, undergraduate and postgraduate levels and shall be able to carry out world class research, simultaneously.

- ❑ Started Yashwantrao Chavan School of Rural Development for catering to the needs of the rural development through an interdisciplinary approach by establishing collaboration with all local and nearby institutions and organizations.
- ❑ Establishment of Rajarshi Chhatrapati Shahu Research Centre and Museum Complex for facilitating growth and development by interchange and intercommunication between Indian languages and literatures, Fine Arts, Folklore and historical and cultural studies. In the context of national integration, the center focuses upon offering courses in translation, comparative studies, theater studies, and folk arts and literature studies as well as providing an opportunity to study the cultural heritage of Maharashtra from historical and socio-political perspectives.
- ❑ Establishment of Yuva Vikas Kendra in order to serve as a nodal centre for overall development of the students and execute its performance as a destination beyond just on-campus convenience. It will be dedicated to equip young minds by developing essential skill along with sensitivity and responsibility towards the society that we live in, and thereby developing into them positive attitude for more fruitful initiatives in the interest of their personal strata of life and nation building.
- ❑ Establishment of Advanced Biotechnology Centre with due focus on the frontier areas in modern biotechnology such as genetic engineering, cell fusion and bio-process technology, designs of novel molecules, drug targeting, development and delivery, vaccines and bio medical engineering. It is expected to deliver radical technological changes for generation of intellectual, wealth and entrepreneurial opportunities fruitful initiative in the interest of their personal strata of life and nation building and extend expertise for the farmer community at large.



- Theme 2 -

Research, Consultancy and Extension

Thematic Goal :

To create an outstanding band of passionate researchers by enduring a culture of innovation, creative and critical thinking through scholarly pursuits to attain the solution of problems in all domains of human endeavor through alliance with various funding agencies, government and non-government organizations.

There is international consensus that the Universities have a greater role to play in conducting research as they are regarded as 'Engine of Economic Growth'. This has also been supported by the evidence of local economic impacts from university research in variety of forms right from the simplest theoretical formulations to scholarly research outputs in terms of patents, and publications. In this context, Shivaji University has planned to spearhead in the research arena by taking up concrete action plan centered on the thematic goal of building passionate research community and integrating the same with teaching-learning activities.

Current Scenario...

In the last decade several steps have been taken to improve the standards of research so as to match the national and international benchmarks. New areas of research are currently being explored in the rapidly emerging fields like Materials Science, Green Chemistry, Biodiversity of Western Ghat, Bio-technology, Industrial Chemistry, Biochemistry, Computer Science, Environmental Studies, Statistical Modeling, Embedded Systems and VLSI Design. The research in the area of Social Exclusion and Inclusive Policy, Maratha History, Co-operative Rural Management, Humanities, Bioremediation, Dalit and Rural literature, Social reforms and history of Rajashri Shahu Maharaj, Comparative Literature, Postcolonial Literature and Rural Development of cooperation is also gaining equal attention.

The faculties of Arts, Fine Arts and Social Sciences have also geared up in conduct of research to meet the demands of the changing times. Establishment of Centres for Women's Studies, Gandhian Studies, Studies of Maratha History, Dr. Babasaheb Ambedkar Research and Development Centre, extension activities through Adult and Continuing Education and Centre for Community Development (Lok Vikas Kendra) are indicators of this change.

The efforts of the University towards excellence are being recognized in the form of substantial grants received from various funding agencies like UGC, DST, DBT, CSIR, ICMR, DRDO, MFPI, MOEF, AICTE, DAE, ICAR, and MPCB. Faculty members were encouraged to take up research projects under 'Research Project for Faculty Scheme' which has resulted in building the research infrastructure in University departments. One of the significant achievements is receipt of grants to the tune of Rs. 9.0 crores by the Department of Science and Technology (DST) under the funding scheme 'Promotion of University Research and Scientific Excellence (PURSE)' based on the publication output in the SCOPUS international data base for the period 1998-2008. Another noteworthy achievement is the funding support of Rs. 4.01 crores to the Department of Biotechnology under the Interdisciplinary Programme in Life Sciences (IPLS) jointly to all the life sciences departments of the University. As far as the research bibliometrics is concerned, the University stands 14th among Universities in India on the basis of SIR. (Current Science Vol. 106, No. 11 June, 2014). Another indicator of quality research is the grant-in-aid support received by various University departments under different schemes of the apex funding bodies. There are five Departments viz. Chemistry, Physics, Botany, Zoology and Geography recognized under the DST funding scheme FIST i.e. Funding for Infrastructure in Science and Technology. While nine departments viz. Physics, Electronics, Sociology, Chemistry, Botany, Biochemistry, Zoology, Geography and English have been recognized under UGC SAP i.e. Special Assistance Programme. University Department of Biotechnology has been ranked among the top 20 best Departments of Biotechnology in India, consecutively for the last three years (2009-12) as per Biospectrum survey. Naval Research USA has ranked Shivaji University at ninth

place in the field of Materials Science. The other indicator of the global recognition of University is its growing collaborations with premier institutes of research. Shivaji University has signed several national and international MoUs with reputed Universities and institutions abroad. Few national research institutes have been affiliated in last five years to Shivaji University thereby enhancing the collaborative research. University encourages the faculty members to take up research fellowships. In the last decade many faculty members have received reputed research fellowships such as Fulbright, Boylston, Brain-Pool, Alexander von Humboldt, JSPS, Marie Curie and INSA visiting fellowship. Research students are also encouraged to participate in events such as Campaign on University Research & Training (COURT), National Science Day and Avishkar, a state level research competition event and Anveshan a national level research competition.

Research in Shivaji University is driven by the initiatives of faculty members by either pursuing the individual research projects or carrying out research in collaboration with department and institute-wide projects. Affiliated colleges also have a crucial role to play in the development of the research agenda of Shivaji University in near future.

Plan of Action...

Following core strategies will be adopted to achieve the SUK 2025 thematic goal concerning the research, consultancy & extension:

- ❑ Recruiting the faculty with high research credentials.
- ❑ Involving researchers with highest distinction and potential through the Adjunct Faculty Scheme.
- ❑ Attracting students with research aptitude through proper scheme.
- ❑ Promoting inter-disciplinary/multi-disciplinary research as well as industry oriented research by developing research skills among students and faculty on a broad spectrum upcoming area.
- ❑ Promoting applied research strongly linked to practical use for addressing the societal needs.
- ❑ Setting up nationally and internationally acclaimed research centres.
- ❑ Increasing participation of undergraduates and postgraduates in research.

- ❑ Producing adequate Ph.D awardees to contribute to the economic growth that the country is aspiring for.
- ❑ Encouraging affiliated colleges to participate in national research activities to inculcate research culture at undergraduate level.
- ❑ Inducting new faculty members to cultivate the research culture.
- ❑ Encouraging the research students through inhouse mentorship programs.
- ❑ Diversifying and pursuing applied research based on the core strengths in the areas of national importance such as: Education, Healthcare, Agriculture, Nano Materials & Manufacturing, Embedded System and VLSI Design, Infrastructure, Energy and water, Advanced Engineering and Technology, Community services, Environment & Ecology, Bio-informatics for sustainable development.
- ❑ Promoting interdisciplinary research through inter-departmental MoUs.
- ❑ Encouraging the faculty members to file patents.
- ❑ Arranging awareness campaigns in the areas related to research metrics such as scientometrics, bibliometrics, citation styles (APA, MLA, Chicago etc.).
- ❑ Enlarging bibliometric study to include more data and more departments especially humanities and languages.
- ❑ Sharing of information and knowledge of researchers from national research laboratories, industries and corporate sector.
- ❑ Emphasizing collaborative research and group research among the faculty members.
- ❑ Making faculty research output (publications, reports, theses, books, etc.) accessible through the University website.
- ❑ Encouraging the Departments on campus and affiliated colleges to nominate faculty for national and international awards and recognition
- ❑ Encouraging, acknowledging, and rewarding research and interdisciplinary work and also ensuring accountability
- ❑ Identifying the faculty members having average research performance and offering them proper support with remedies.

- ❑ Forming a think tank for research on effective teaching and learning with strong emphasis on the role of technology to reinforce the quality of education.
- ❑ Pursuing research with local industry and community (e.g. foundry cluster)
- ❑ Taking up or joining industry out-sourced projects.
- ❑ Providing more research scholarships
- ❑ Improving the quality of Ph.D. supervision and research administration.
- ❑ Promoting the culture of research ethics
- ❑ Our future endeavor looks upon the proposed scheme of “Research Park” with a mandate to create linkages between the university, industry and the community and thereby fueling innovation, entrepreneurship and interdisciplinary research among the on campus Departments, off-campus affiliated Colleges and R & D Organizations. The thrust areas identified for the research park are essentially of interdisciplinary nature and comprise of Bio-Informatics, Exotic Materials, Nano-technology, Embedded Systems and VLSI Design, Statistical Modeling and Soft Computing, Biodiversity of Western Ghats, Sustainable Development, Agro-Economics, Globalization and Socio-economic Transformation and Urban Development.
- ❑ Improved ‘P’ index of the faculty members.
- ❑ Improved performance of the university benchmarked by h index, citations, impact factor and publishability of the research papers.
- ❑ More national and international patents.
- ❑ More inflow of research grants.
- ❑ Envision senior faculty members as the fellows of national academies.
- ❑ Provide global visibility of the young faculty members and research students.
- ❑ Establishment of Teachers Training Centre/School
- ❑ Mentoring Scheme for students.



- Theme 3 -

Scholarly Resources and Library Upgradation

Thematic Goal :

Strengthening and modernizing the Library services for effective dissemination of scholarly resources.

It is beyond any doubt that technology has proved to be one of the key instruments of today's modern library and thus there is radical change in the delivery model of scholarly resources to the academic and research community. With the technological advancement, the Library is moving towards a new sustainable, stakeholder oriented and innovative support service that has its physical expression in a civil infrastructure, envisioned as being situated equally in the physical and digital environments. In this context, this part portrays the action plan of Barrister Balasaheb Khardekar Library towards SUK 2025.

Current Scenario

Barrister Balasaheb Khardekar Library (BBKL) is one of the leading university libraries in Southern Maharashtra. It caters to the academic, research and scholarly needs of students, faculty, industries and other user groups of university and visitors from other universities and affiliated colleges. The library has over 4 lakh printed documents and it subscribes to over 298 national and international printed journals. The University under UGC Infonet Digital Library Consortia has access to 7000+ e-journals. The University campus being equipped with internet connectivity, which is supplemented recently by the National Knowledge Network, facilitates the usage pattern of e-journals to optimum. Establishment of high-tech data centre has been adding to the several avenues on the campus. Under this necessary infrastructure and facilities are being created to upload the Ph. D. thesis on Shodhganga Portal which is the repository of electronic theory and dissertations started by the INFLIBNET. The library is instrumental in arranging many current awareness programs in the areas of reference

search, citation analysis, scholarly publishing practices, anti-plagiarism tools and research ethics.

Action plan ...

The vision looks upon aligning the academic departments, centers on the campus and affiliated colleges with the BBKL in embryonic role to intermingle between the print-based repositories to electronic collaborations that facilitate application of digital collections and networking services to new approaches in instructional and scholarly communication. Thus the Library aims at rediscovering the academic space and services that will be porous, engaging, adaptive, productive, responsive, ubiquitous and sustainable.

- ❑ Starting a new service delivery model based on web 2.0 and social media.
- ❑ Improving access through mobile and wireless technologies, for interacting, communicating and disseminating the information to the stakeholders.
- ❑ Utilizing the GPS, RFID and two dimensional barcode (QR) technology to help the stakeholders locate the resources of their interest in the physical space and also to join their colleagues in group mentoring sessions with the staff members.
- ❑ Transforming the library catalogues and other search tools, reference services and information resources into ICT Based sources and making them user friendly and mobile-friendly.
- ❑ Delivering the Library services in various multimedia forms such as visual, audio, location and action based.
- ❑ Enabling the interactive and immersive experiences to the differently-abled stakeholders by providing services such as text to talk.
- ❑ Reshuffling the library staff from behind the desk, thereby making them more perceptible and reachable in both the physical and digital world.
- ❑ Presenting the library building, through social media sites.
- ❑ Digitizing the personalized portfolios of Library staff and the stakeholders on the campus to enable easier access.
- ❑ Adopting flexible work patterns for the library staff and shifting

the focus from traditional and time-consuming tasks to delivering more stakeholder-focused services

- ❑ Collaborating with the libraries all over the globe in various time zones to allow online reference services to be delivered in extended hours.
- ❑ Providing central login thereby allowing the stakeholders to check borrowing history, renew resources, save searches and so on.
- ❑ Offering Social study spaces such as information/learning commons to allow customization of the physical space by providing more open and flexible reading room facility.
- ❑ Crafting subject and domain based digital centers on the Library website to provide flexible, customized space for the needs of the stakeholders.
- ❑ Nurturing latest knowledge management techniques to formulate the Learning Resource Center / Laboratory to allow serendipity in the digital repository for enhancing the most appropriate delivery of knowledge resources.
- ❑ Practicing the 'Green Library' concept with 'e-everything' wherever possible.
- ❑ Spreading the ethical culture and values such as 'anti-plagiarism' among the stakeholders.
- ❑ Forming consortia arrangements with other libraries and information providers as well as networking with the libraries of the affiliated colleges.
- ❑ Multi-dimensional sustainability initiatives by collaborating with the funding agencies, industries.

In a nutshell, the projected vision of the BBKL shall be acting as a bridge between the technology and users of technology by making availability and awareness of pin-pointed, exhaustive, up to date electronic information through its variety of resources. Subsequently, the Library is set to play an integral role in this new digital phase, along with other academic services units within the University campus

- ❑ Thus, the entire BBKL may be envisioned as 'Academic Resource Center' in near future that fosters the spirit of exploration, academic and research enlightenment through its ICT savy proactive services.



- Theme 4 -

Infrastructure

Thematic Goal:

Upgrade and establish infrastructure to support and enhance curricular and co-curricular aspects of the stakeholders by creating new physical spaces, renovating existing facilities and instructional amenities as well as upgrading ICT services to support and guarantee the safety, comfort, and integrity of the University campus.

Infrastructure plays a vital role in the smooth administration of teaching and research carried out in the institutes of higher learning. It also enhances the outlook of the university to a substantial level. This theme puts forth the future action plan pertaining to infrastructure.

Current Scenario...

In the last few years, the intake capacity of most of the post-graduate Departments has been increased so as to provide more access to the aspiring students. It is further proposed to widen the access of the students by introducing new courses in the light of industrial manpower requirements. Many new buildings like the Examination Building, Lokakala Kendra, Distance Education, Additional Ladies Hostel and International School of Technology have been constructed. Other noteworthy features of the infrastructure are the V.S. Khandekar Museum, six state of art auditoriums, Open Air Theatre and the sophisticated studio at Department of Music and Dramatics. The University has taken substantial efforts in rain water harvesting. Two water storage tanks on the campus have been constructed for this purpose. The capacity of water storage of dam behind V. S. Khandekar Bhasha Bhavan is 8.43 mcft and of the reservoir behind Music Department is 1.83 mcft. Water harvesting is undertaken through construction of watersheds. This has made the campus self-sufficient for drinking water.

Action Plan ...

The University has lush green campus and is a home for preservation of biodiversity. The campus itself has been developed as Biodiversity Park and in future also, several programmes will be undertaken to conserve the biodiversity on the campus. Solar Energy Park will be set up by taking support from MNRE to harness the solar energy. The efforts are underway to make the campus Green, Clean and Beautiful. Some of the new buildings are constructed by following the green building norms and in future most of the buildings will be constructed on similar lines. The entire University campus will be declared as plastic free zone. More emphasis is being laid on developing eco-friendly environment with the beautification of the campus. In a nutshell, the vision regarding the civil infrastructure is highlighted below:-

- ❑ Providing the employees with adequate office space equipped to support their work and productivity
- ❑ Efficient, reliable, and cost-effective central and building utilities with the capacity for expansion to support campus needs and guarantee the safety, comfort, and integrity for everybody on the campus
- ❑ Providing high quality, technology enabled, flexible and adaptable classroom space

Notable Civil Infrastructure Projects Planned for the benefit of all the stakeholders

Golden Jubilee Faculty House

The existing guest house facility is very limited and is confined to the guests visiting this University. The teachers who frequently visit the University do not get sufficient accommodation on the campus. The proposed faculty house will accommodate 90 persons having facilities like canteen and recreation hall.

Convention centre

Shivaji University is planning to establish a convention centre comprising auditorium, concerts and lecture halls, meeting and

conference rooms and a spacious dining hall of international standards. Such facilities will help the University to invite personalities with high recognition at national and international level for lectures, discussions and interactions with teaching and student community.

ICT Infrastructure:

In Shivaji University, IT has appeared in all walks of academics as well as administrative spheres. IT services like Web surfing, website, webmail, online web applications etc. are extensively used by 1700+ users on the campus. The website & web apps serve the student community, affiliated colleges and other stakeholders of the University. In May 2012, the Data center was operationalized. The Data Center is equipped with IBM blade server solution, IBM SAN with storage capacity 4TB and the visualization software VMWare. Other civil amenities established for the data center include precision Air Conditioners, Uninterrupted Power Supply, Diesel Generator, fire alarm and IP cameras for surveillance. The campus has been covered by fiber optics backbone with the departments internally covered by using CAT-6 cable. A 20 MBPS leased line from BSNL provides the internet connectivity to campus. The University has also been provided 1 GBPS internet connectivity from National Knowledge Network.

The following ICT initiatives are planned in near future :

- ❑ Smart Classroom in every Department.
- ❑ Ladies and Gents hostels equipped with internet connectivity.
- ❑ Wi-Fi Enabled Campus.
- ❑ Web Enabled Soft Radio and Announcement System.
- ❑ IP phones for the campus.
- ❑ CCTV enabled campus surveillance system
- ❑ Institutional Repository of teaching material on the website.
- ❑ Portal hosting the resume of students.
- ❑ Web enabled event management system
- ❑ Interactive Voice Response System for dissemination of important information.

Projects on the immediate agenda of the University

- ❑ Construction of new buildings for Department of Computer Science, Department of Mass Communication, Department of Commerce and Management.
- ❑ Construction of Girls' hostel for Earn and Learn Scheme
- ❑ Construction of hostel for Research students.
- ❑ Construction of Classroom Complex
- ❑ Establishing a research park for interdisciplinary research.
- ❑ Renovation and extension of the Library Reading Room
- ❑ Laying/renovating sewerage lines
- ❑ Construction of Internal Roads, Fencing/Boundary walls
- ❑ Plantation and landscaping (Green Campus initiatives)
- ❑ Strengthening of solar energy generation and rain water harvesting
- ❑ Extension of Library Building
- ❑ Providing enough space for Health Center
- ❑ Providing drinking water facility
- ❑ Providing necessary facilities for differently-abled persons.
- ❑ Massive plantation drive would be taken up on the open land under the scheme "Greening Shivaji University"

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- Theme 5 -

Institutional Governance

Thematic Goal:

To instill a governance structure to oversee academic and research progress by following the practices of delegation, transparency, timely communication and all-encompassing participation.

Current Scenario...

Effective governance is decisively important for fulfilling the aspirations of the stakeholders and is very much essential for overall success of the University. This section highlights the proposed reforms in governance to complement the academic and research vision foreseen by SUK 2025. Presently, the University administration is in a phase of transition towards e-governance. The administrative information being published on the internet, presently includes administrative orders, general circulars, academic calendar, notification for admission etc. Recently the University has successfully launched the recruitment portal for speedy processing of the faculty applications. The bio-metrics system for monitoring the staff attendance has also been successfully installed by the University. However the main hindrance in comprehensive automation of the holistic functionality of University administration is the incompatibility between the hardware and software as they were developed, procured and commissioned in different timelines. In view of this the next action plan includes comprehensive development of the software modules on compatible platform to attain the desired outcome in addition to the sharing of common database.

Action Plan...

Right now the general administration of the University is largely in manual mode. In a year or two ICT enabled e-governance is planned with the following expected outcomes :

- ❑ Information-driven: Information and communication technology (ICT) based e-governance structure will be brought in and the

administrators will be oriented and trained to use the ICT effectively.

- ❑ Accountable: Effective measures such as file movement system will be in place to reduce the delay in decision making. Teams for trouble shooting will be delegated from various sections of the administration to deal with the problem areas.
- ❑ Collaborations and resource sharing amongst the administrative units will be ensured for optimum use of resources.
- ❑ Transparent: To the most possible extent, under the Maharashtra Universities Act, the administration will operate in an open manner, making available detailed information and procedure to the public subjecting the decision-making process for facilitating stakeholders.
- ❑ Participatory: The University will guarantee every effort to aptly include all relevant stakeholders in decision making process that affects the institution's vitality, resources, and future, and thus will ensure that their voices are heard and carefully considered.
- ❑ Efficient and Effective: The administrative operations of purely academic nature research and related to the affiliated colleges will be appropriately structured to maximize efficiency and effectiveness in delivery of services and management of the institution strategies. The administrative sections look forward to effectively execute the directives of University authorities from time to time.

Current Scenario...

There are currently 281 colleges affiliated to Shivaji University, Kolhapur. Presently the Board of College and University Development (BCUD) section is administrating all its activities related to colleges in manual mode. It is planned to automate all the processes and approval systems by designing a web enabled platform to minimize the redundancies and duplication of functions. The focus of the automated BCUD system would be:

- Information system for academic and research management
- Tracking system for Ph.D.

- ❑ Module for commercialization of research and technology conceived by the faculty and researchers.
- ❑ Seamless integration of student and faculty data.
- ❑ Trend analysis to finalize the perspective plan.
- ❑ Computer and Technology based HR section for giving approvals of staff in affiliated colleges.
- ❑ Establish professional chairs in the light of five year plan directives.
- ❑ University with potential for excellence.

Examination Section: Current Scenario

Shivaji University conducts around 627 examinations per semester where around 4000 paper setters are engaged with the outcome of 6000 question papers set by them. The examination section is housed in two spacious buildings and both of them are under the CCTV surveillance. Following are the best practices followed by the examination section:

a) Synoptic Answers and Marking Scheme

- ❑ Synoptic answers and marking scheme have been made mandatory in a systematic manner.
- ❑ At the commencement of assessment process, initially the paper setter/ moderator undertake assessment of minimum 20 answer books in the light of model synoptic answers/ marking scheme. Based on the said assessment outcome, the moderator/paper setter modify the model synoptic answers/ scheme and provide inputs for the fair assessment - moderation process with constant interaction with examiners and moderators throughout the period of assessment. This results into just and fair assessment procedure.

b) Minimization of Errors at Various Levels

- ❑ Up-to-date database of teachers' profile helps in appropriate appointment of paper setters, moderators, examiners and re-evaluators
- ❑ Barcoding, coding-decoding of answer books, direct scanning of marks, scrutiny after assessment to maintain quality and confidentiality of the assessment process

- ❑ The university has introduced a system of scrutiny, direct entry of marks in computers through direct scanning to reduce clerical errors so as to ensure efficient, fast and more accurate processing of results.

c) Student Friendly Reforms

- ❑ End-to-End Computerization of the examination system
- ❑ Introduction of October-to-October batch for external students and their online registration
- ❑ Online application for entrance examination
- ❑ Issue of hall ticket with photograph, PRN and Seat Number and personalized Examination Schedule
- ❑ Various reforms at administrative level to ensure speedy processing of examination steps, complaints, correspondence, issue of various certificates
- ❑ Online application forms for degree certificates
- ❑ Student Facilitation Centre equipped with a computer laboratory and internet facility has been established in the University, in order to assist the students and to provide them information related to examination schedule, time table, probable dates of results, syllabus, on-line filling of forms etc.

Action Plan...

In order to effectively manage quite a number of examinations with secrecy and timely declaration of results, it is proposed to bring in ICT based end to end solution for automating the examination processes. The proposed action plan goes on the following lines:

Deploying end to end examination management system based on ICT. The above referred system will be equipped for facilitating the various aspects of the examination system mentioned below:

- ❑ Student Registration to issue Hall Ticket
- ❑ Question Bank/ Question Paper Bank
- ❑ Secure Delivery of Question Papers

- ❑ OMR and Barcode Technology in Answer Sheets
- ❑ Digital Scanning and onscreen evaluation of Answer Sheets
- ❑ Results Processing and Publication
- ❑ Online Application for Revaluation
- ❑ Dematting of Degrees and Certificates
- ❑ Question bank and question paper bank creation
- ❑ Email based secure delivery of question papers to affiliated colleges
- ❑ Strengthening the ICT infrastructure of examination section and also at the examination centers of affiliated colleges.
- ❑ Digital scanning and onscreen evaluation of answer books
- ❑ Conducting on-line examination for selected academic programmes
- ❑ Introducing innovations such as open book tests for few academic programmes.
- ❑ Deliberation regarding the methodology of question paper setting and standardization based on Bloom's taxonomy.
- ❑ Critical assessment of errors and mistakes in the question papers through the apex bodies such as BOS and Academic Council.
- ❑ Dissemination of results through advanced means such as Interactive Voice Response System.

Finance and Accounts Sections: Current Scenario...

In the last five years, Shivaji University has introduced accounting rules in the form of an Accounts Code to ensure better utilization of finances and maintain accountability. It is the first University to codify the procedure and responsibilities in respect of financial administration; the pattern now has been followed by all the state universities in Maharashtra. Presently, various sources of funding to Shivaji University are pooled from Government aid, organizational funds for research and tuition fee, other charges, examination fee, and endowments etc.

Action Plan...

Since finance crunch is one of the major issues faced by the state Universities, it is planned to tackle the same by following systematic action plan. The initiatives proposed are as follows:

- Generating finances and other resources by establishing collaborations and linkages with national and international academic and research institutions by undertaking joint research and academic exchange programmes
- Generating the corpus fund through resource mobilization from government, trusts, donations, sponsorships, people's representatives and alumni.
- Encouraging faculty members to get the projects from funding agencies.
- Rendering consultancy services to Government and NGOs.
- Rationalizing the existing fee structure to meet out the escalating cost of higher education.
- Increasing the seats and starting the professional courses under self-financing scheme to improve the financial health of the University.
- Starting a scheme of administrative security deposit for the affiliated colleges, the interest out of which will be treated as University revenue to off-set the draining of stressed University resources.
- Indirect earning through carbon credits.
- Decentralization of the administrative processes and delegating financial powers to Heads of the Departments.



- Theme 6 -

Student Progression, Support and Inclusion

Thematic Goal:

To deliver an excellent, most comprehensive and professional service to our students for their overall development.

Current Scenario...

Kolhapur region, where Shivaji University is situated, is known for the great vision of His Highness Chhatrapati Shahu Maharaj who was one of the great social reformers and worked for social inclusiveness. The foundation of inclusive growth model was first led by him in Kolhapur. Therefore, the thrust of academics, research in the University automatically intensifies inclusiveness of the socially excluded people in the region. The University plans to enhance this vision and would like to project the same as a model of student progression, support and inclusiveness while attaining SUK 2025.

Shivaji University has taken significant efforts in bringing SC/ST and OBC students in the main stream of higher education. The reservation norms laid down by the State Government and the Central Government are strictly followed. The students from reserved categories are provided with remedial coaching under UGC scheme. The University has established a special cell to monitor the intake of students from reserved categories. The University has also set a Standing Committee, which monitors implementation of reservation policies in the admission as well as recruitment of teaching and non-teaching positions.

One of the objectives set before the University at the time of its establishment was providing opportunities of higher education to rural youth. In this regard the scheme 'Earn and Learn' has been advocated and pioneered in this University itself. Every year around 50 meritorious students coming from economically weaker families are admitted to Dr. Appasaheb Pawar Vidyarthi Bhavan-under Earn and Learn scheme. These students, along with their regular studies, have to work for few hours in the University administration. It is a matter of

pride to mention that students who have completed their post-graduate study under this scheme have occupied prestigious positions in government offices and other sectors.

Another noteworthy fact in the University is the increasing proportion (more than 50%) of girl students. This is an indication of the efforts taken by University and affiliated colleges to provide more access to girl students in higher education. The University has also joined hands in the 'Save the Baby Girl' campaign proposed by District Administration and which has been appreciated at the national level.

The University has encouraged meritorious students by introducing a unique scheme called 'Shivaji University Merit Scholarships' offering over 340 scholarships to meritorious students in affiliated colleges and the University departments. The University has created a corpus of nearly 4 crores for this purpose. University has also instituted Golden Jubilee Research Fellowships and Departmental Research Fellowships (DRF) for Ph.D. students in the Post-graduate Departments.

In the quest of increasing access and thereby bringing more students in the mainstream of the tertiary education, the University has set up a Centre for Distance Education (CDE) on the campus. The CDE has been approved by the Distance Education Council (DEC). The CDE has been successful in enhancing the intake significantly during last five years. On an average about 42000 students are availing the benefits of various courses through CDE. In order to increase access to the students from Kolhapur, Satara and Sangli districts, University has established 23 Study Centres under CDE. These centres are being supported with infrastructure and library facilities. This initiative will further attract girl students to enter into higher education through distance learning mode.

The University has established an exclusive section of Student's Welfare which is serving as a formal platform to design and implement student progression policy. The section deals with various issues related to motivation, participation, and promotion, socio-economic and cultural settings within which young minds grow up. This section is acting as a driving force for the student and youth community to epitomize their academic excellence through continuous learning and skills

orientation. The department is taking care of various aspects of student welfare like counseling, training, government and non government sponsored youth projects, financial aid & scholarships, health care, games & sports, cultural activities and so on.

In order to monitor effective student progression, the University has set up an online secured system to get students' feedback about teachers, departments and various support services. The feedback form has been prepared following the guidelines issued by NAAC. The feedback given by students is analyzed and necessary corrective measures are taken.

Action Plan...

- ❑ Expand the Earn and Learn scheme so as to accommodate maximum number of girl students in the scheme.
- ❑ Construct a separate hostel for girls joining the 'Earn and Learn' scheme.
- ❑ Increase the existing capacity of Boys hostels.
- ❑ Initiate Special Golden Jubilee Research Scholarships for the teachers and students on the advanced areas of research with societal significance.
- ❑ Establish e-learning facility through ICT to compliment the current functioning of the CDE.
- ❑ Strengthen the Alumni Network and appeal the potential alumni to contribute towards the endowment awards and mentorship programs for the current students.



- Theme 7 - Social Outreach

Thematic Goal :

To leverage the expertise of the University faculty and students for Social progress.

The concept of extension in higher education essentially serves the purpose of "taking the university to the masses". It is an important educational ingredient which supports the idea. The significance of the same has been recognized by the UGC (1977) in following words: "If the University system has to discharge adequately its responsibilities to the entire education system and to the society as a whole, it must assume extension as the third important responsibility and give it the same status as research and teaching. This is a new and extremely significant area which should be developed on the basis of high priority." Shivaji University has always been trying to accomplish the said vision of the UGC.

Current Scenario...

Under the U.G.C. scheme of 'Epoch Making Social Thinkers', the Dr. Babasaheb Ambedkar Centre for Research and Development was established in 2005 to study the philosophy of Ambedkar through inter-disciplinary perspective. Centre for the Study of Social Exclusion and Inclusive Policy, with teaching and research focus on nature and dynamics of exclusion and discrimination at both theoretical and empirical levels with holistic perspective, has been established in the University in the year 2007. The Center for Women's Studies of Shivaji University has immensely contributed to the discourse on Women's Reservation Bill through testimonies before the Parliamentary Committees in addition to the participation in the United Nations Expert Group Meeting and Research Reports on the experience of women's reservation in local governments. Shahu Research Center has also contributed significantly to collect and publish the source material on the 'Social History of Maharashtra', especially the source material

on Rajarshi Shahu Chhatrapati of Kolhapur, a great Social Revolutionary of the 20th Century India.

The faculty members in the University have also been striving to extend their expertise for the betterment of the society.

Under the Government of India scheme named Micro and Small Enterprises- Cluster Development Program (MSE-CDP) capacity building initiatives for jaggery cluster has already been commenced. In this regard an MoU for Technology tie-ups between the Industrial Cluster (Shri. Chhatrapati Shahu Sahakari Gul Kharedi Vikri Sangh Ltd. Kolhapur) and University Departments of Chemistry, Biotechnology and Food Science has recently been signed to promote the local products. Another notable MoU has been signed with the Central Leather Research Institute, Chennai to nurture trained man-power for the leather industry as Kolhapur is known for 'Kolhapuri Footwear'. The NSS unit of the University always takes proactive steps in disaster management programmes. Socio-Economic Survey of 1,30,000 Families in Sangli district under UNICEF was recently done by the NSS unit. With the initiatives of the NSS, Kolhapur district received the prize for "Clean Sanitation District" by the Government of Maharashtra in 2005.

Action Plan...

- ❑ Broaden the educational opportunities of local students and support talented students in the form of innovative fellowships to enhance their access to higher education.
- ❑ Serve the community through voluntary work for the development of strong personal value systems infused in the students for the benefit of local society.
- ❑ Ensure the participation of students, teachers and non-teaching staff in sharing the task of social responsibility in its entirety and inclusiveness for the development of schedule castes/schedule tribes and other backward classes by starting special programmes for ST/SC and other weaker sections of society.
- ❑ Inculcate the soft skills among the youth not only in the adjoining areas but in remote areas.

- ❑ Collaborate with various NGOs to support the cultural, societal, economical and Physiological and ethical development of the area.
- ❑ Lay special emphasis on education and training that enables workers and entrepreneurs to adapt to changing technologies, economic conditions and strengthening vocational studies.
- ❑ Strengthen vocational and continuing education by the use of innovative methods of teaching and learning which includes interactive technologies and inductive methods for coordination between working experience and training.
- ❑ Lay special emphasis on annihilating gender discrimination and improving the women's access to technologies that facilitates their occupational and domestic work, encourage self-support, generate income and enable them to move out of stereotyped, low-paying jobs.
- ❑ Impart broad basic education, especially literacy enhancement and promote general education to improve learning skills and facilitate horizontal as well as vertical occupational mobility by promoting the active participation of youth and adult learners in the design of literacy campaigns, education and training programmes.
- ❑ Provide intellectual and technological support in protocol formation and quality enhancement from production, packaging to marketing of Kolhapuri Chappals and Kolhapuri Gur in national and international market.
- ❑ Setting up of Community Colleges.

