

## CRITERION I CURRICULAR ASPECTS

### *1.1. Curriculum Design and Development*

#### *1.1.1. How is the institutional vision and mission reflected in the academic programmes of the university?*

Vikram University is named after the great king Samrat Vikramaditya, the personality after whom the “Vikram Samvat” is named. The king who was infallible in judgement and a great scholar **who conceived the concept of “Navratna”**. **The University with the motto** ‘विद्ययाऽमृतमश्नुते’ (Knowledge leads to immortality) has a glorious history, creditable present and visionary future.

The vision of Vikram University is to establish this university as a seat of learning by way of creating, advancing and disseminating knowledge and provide education for developing peaceful human society.

The mission of the University is to provide quality education along with developing skills and moral values. The University aims to provide knowledge of modern subjects with strong background of traditional subjects.

Vikram University has been proving its merit in innovation, implementation and management of teaching and research in various educational disciplines. The University functions and strives for excellence in teaching by methodical course and curriculum development, continuous improvement in course delivery and setting appropriate learning outcomes. Number of courses is being offered by the University which are aimed at employability, encourages research and innovations and developing competencies, and which develop multidisciplinary studentship. It has an objective to promote traditional as well as modern educational streams like Ancient Indian history & culture, Sanskrit, Vedic Studies, Philosophy & Yoga as well as Engineering, Pharmacy, Micro Biology, Biotechnology, Bio Chemistry & Computer Science. The University offers certificate courses in various foreign languages like Russian, French & German.

University has been offering research degrees like M. Phil. and Ph. D. in different subject areas through which students are encouraged for innovative research and quality publications in journals of national and international repute. A number of students from all over the country come to our university for studies. Through seminars and workshops in the University, students get exposure of subject and research knowledge by national and international experts. University is a vibrant hub of cultural, extracurricular activities and sports, where students from widely different backgrounds collaborate and interact. An active participation of students from different backgrounds is observed in various cultural activities during Youth Festival of the University.

To cater the need of students in the context of current knowledge of subjects at the national and international levels faculty members enhance their competence and

update their knowledge by organizing and participating in conferences, symposia, workshops and under taking research projects. University recently established a School of Engineering and Technology (SoET) in the year 2011 which offers B. E. Degree in emerging areas.

The curriculum design, development, implementation & enrichment processes ensure that global needs are met while taking care of the local, regional & national manpower requirements. Curriculum is revised on regular basis based on inputs from academic committee and various stakeholders. The curriculum incorporates a blended learning pedagogy which utilizes an extensive range of strategies virtual learning environments and other technological innovations. Right from the inception of the university it is offering an academic environment that caters to the societal demands of the Malwa Region where quality is never compromised with quantity.

**1.1.2. Does the university follow a systematic process in the design and development of the curriculum? If yes, give details of the process (need assessment, feedback, etc.).**

Yes, the Vikram University follows a systematic process in the design and development of curriculum for School of Studies (i.e. University Teaching Departments (UTDs)) and affiliated colleges. All curriculum development process is controlled by statutory bodies. The University has an academic body like Board of Studies (BOS) which formulates and upgrades curricula on yearly basis. Comments and suggestions from BOS, experts of subject faculty and academic council are taken into consideration while designing curriculum in all the School of Studies. Board of Studies has a wide representation of faculties and experts from School of Studies of university, co-opted members (i.e. subject experts) from other universities and other subject experts from affiliated colleges. University assesses the need of new academic programmes or revision in the existing academic programmes through interactions with experts, feedback of students and stakeholders. The University is also keenly interested in revising the curriculum of the courses offered in the light of latest research and technologies.

**1.1.3. How are the following aspects ensured through curriculum design and development?**

The Vikram University is one of the oldest universities in Madhya Pradesh as well in the country. In its old era the students were coming from different parts of country for higher education. Thus this university has its own importance in this country. From very beginning this university is in favour of ensuring the aspects of Employability, Innovation and Research through curriculum design and development.

- **Employability**

It is not exaggeration to say that this old university from its beginning has two types of courses that ensures their employability and extension. Course curriculum in Computer Science, Management Studies, Environment Management, Engineering and Technology, Tourism, Microbiology, Biotechnology, Karmkand and Public relations courses is such that it ensures employability in reputed organisations of India and abroad in the various respective fields. In addition to

this, all PG curriculums also ensure that the students can undertake research degree like M. Phil. and Ph. D. Many students who have completed their Ph. D.'s from this university are pursuing post doctoral research from reputed national institutes. Also many Ph. D. students have got job in reputed institutions of India and abroad other reputed companies. Students are placed in different industries/firms soon after completion of their post graduation in professional courses.

University offers career counseling to its students from time to time through experts in the relevant field.

- ***Innovation***

Innovation is an important aspect which university take care through curriculum designing and developing of courses at the under graduate and post graduate level, for example, the academic programme by accommodating the courses that associating with project works and practical training etc. By conducting tutorials, projects field visits etc. students involve themselves in innovative research and develop creative learning.

University has a rich Teaching and learning Process where the students learn their curriculum through innovative gadgets and equipments like Smart Classrooms, Virtual Class Room Practicals. Besides these Botanical Garden, Environmental Garden, Medicinal Garden cum Bio-Diversity Park have also been established in the Botany department.

Scindia Oriental Research Institute is one of the rarest institute which furnishes rare and unque information for the courses like Ancient History and Museology. The curriculum of these departments have been designed in such a way that there is no dearth of research material for the students of these departments. This justifies the mission of the university where there is a unique combination of modern and traditional methodology.

- ***Research***

It is important to point out that there is a project work in the curriculum of under graduate and post graduate and during the completion of project work some students exposed to various research in the associated field. University also offers M. Phil. degree course where students are prepared for taking a research project so that they can go for higher research degree (i.e. Ph. D. degree). University is making continuous efforts in maintaining the standard of research. Our Ph. D. Degree is recognized throughout the world. The proof of standard of research work can be remarkably seen by the number of research papers published by the faculty members and research scholars of the University in national and international journals of repute.

The University has a reputed image in the field of research and developments. Many research projects are undertaken by the university teachers. There are number of joint projects going on in the university to promote the interdisciplinary and innovative research.

***1.1.4. To what extent does the university use the guidelines of the regulatory bodies for developing and/or restructuring the curricula? Has the university been instrumental in leading any curricular reform which has created a national impact?***

The University develops and restructures curricula as per guidelines of regulatory bodies like UGC, AICTE, NCTE, MCI, PCI and MP State Higher Education Ministry. For example, a paper of environmental studies is being taught in some courses run by the university. The University's important contribution in the field of ancient Indian History is the work on Bhim Betka which is internationally recognised. Recently Vikram University has introduced the procedure of admission of M. Phil. and Ph. D. Students through entrance exam and implemented course work. The faculty members of the university play crucial role in the designing of the curricula as the members of the various Boards. By virtue of being the members of these boards and their expertise in their respective fields they design and develop course material.

***1.1.5. Does the university interact with industry, research bodies and the civil society in the curriculum revision process? If so, how has the university benefitted through interactions with the stakeholders?***

The University faculty members regularly interact with industry, research and civil society in the curriculum design and development. However, the subject experts and members of Board of Studies may take opinion on other forums with these bodies such as while participating in seminar, symposia and workshop organized by these bodies. So indirectly suggestions are being taken and incorporated during the curriculum design and development. Various courses associated to industry and society needs have been launched by the University, for example, Business Management, Computer Science, Engineering, Environment Management, Microbiology, Biotechnology, Pharmacy and Human resources etc.

***1.1.6. Give details of how the university facilitates the introduction of new programmes of studies in its affiliated colleges.***

The University plays a leadership role in opening new programmes in its affiliated colleges by encouraging need based programmes like Microbiology, Management, Post Graduate Diploma in Computer Science and Applications (PGDCSA), Biotechnology, Pharmaceutical Chemistry, Sociology (MSW), Seed Technology(Mandsaur), Industrial Microbiology(Ujjain, Dewas, Khategaon) and Sericulture(Khategano) etc. The University encourages affiliated colleges with required infrastructural facilities to initiate new academic programmes/course. There is

a College Development Council separately in the university to promote and monitor academic programs.

**1.1.7. Does the university encourage its colleges to provide additional skill-oriented programmes relevant to regional needs? Cite instances (not applicable for unitary universities).**

Yes, University encourage its colleges to provide additional skill-oriented programmes relevant to regional based through different committees meant for approval of courses in colleges and number of seats required for the courses. Some colleges are running skill development certificate courses which promote employability of graduate and post graduate students. Examples of such courses are PGDCSA, BBA, BCA, Diploma in Tourism and PG diploma in Quality Control and Quality Assurance etc. Colleges also conduct courses in communicative English, Information Technology and Certificate and Diploma courses in Yoga.

**1.2. Academic Flexibility**

**1.2.1. Furnish the inventory for the following:**

- Programmes taught on campus

**List of Courses Offered in University**

<b>School of Studies/Institute</b>	<b>Course(s) Offered</b>	<b>Duration</b>
School of Studies in English	M.A. M.Phil + Course Work Ph.D. +Course Work	2Yrs (4Sem) 1Yr
Institute of Computer Science	M.Sc. (Computer Science) M.Phil +Course Work BCA Ph.D. +Course Work	2Yrs (4Sem) 1Yr 3Yrs
School of Studies in Continuing Education	M.A.(Mass Communication) Ph.D. +Course Work	2Yrs
School of Studies in Chemistry & Biochemistry	M.Sc. M.Sc.(Biochemistry) M.Phil (Chemistry)+Course Work Ph.D. +Course Work	2Yrs 2Yrs (4Sem) 1Yr
School of Studies in Library & Information Sciences	B.L.I.Sc. M.L.I.Sc M.Phil+Course Work Ph.D. +Course Work	1Yr 1Yr 1Yr
School of Studies in Botany	M.Sc.(Botany) M.Phil+Course Work Ph.D. +Course Work	2Yrs (4Sem) 1Yr (2Sem)
School of Studies in Sanskrit	M.A. M.Phil+Course Work Ph.D. +Course Work	2Yrs (4Sem) 1Yr

**Vikram University, Ujjain (M.P.)**

School of Studies in Jyotirvigyan	M.A. Ph.D. +Course Work	2Yrs (4Sem)
School of Studies in Ved	M.A. (Vedic Studies) Ph.D. +Course Work	2Yrs (4Sem)
School of Studies in Mathematics	M.Sc. M.Phil+Course Work Ph.D. +Course Work	2Yrs (4Sem) 1Yr
School of Studies in Sociology	M.Phil(Sociology)+Course Work M.Phil(Social Works)+Course Work MSW Ph.D. +Course Work	1Yr 1Yr 2Yrs (4Sem)
School of Studies in Political Science & Public Administration	B.A.(Hons.) M.A.(Political Science) M.A. (Public Administration) M.A. (Human Rights) M.Phil(Political Science )+Course Work M.Phil(Public Administration)+Course Work Ph.D. +Course Work	3Yrs (6Sem) 2Yrs (4Sem) 2Yrs (4Sem) 2Yrs (4Sem) 1Yr 1Yr
School of Studies in A.I.H.C. & Archaeology	B.A.(Honours) M.A. M.Phil+Course Work Dipl. In Air Fare & Travel Mngt. P.G.Diploma in Heritage Mngt. P.G.Diploma in Tour & Hotel Mngt. P.G.Diploma in Museology Ph.D. +Course Work	3Yrs (6Sem) 2Yrs (4Sem) 1Yr 1Yr 1Yr 1Yr 1Yr
School of Studies in Economics	B.A.(Honours) M.A. M.Phil+Course Work Ph.D. +Course Work	3Yrs (6Sem) 2Yrs (4Sem) 1Yr
School of Studies in Hindi	M.A. M.Phil+Course Work Ph.D. +Course Work	2Yrs (4Sem) 1Yr

**Vikram University, Ujjain (M.P.)**

School of Studies in Earth Sciences	M.Sc. P.G.Diploma in Ground Water Management P.G.Diploma in Remote Sensing & GIS M.Phil+Course Work Ph.D. +Course Work	2Yrs (4Sem) 1Yr 1Yr 1Yr
School of Studies in Physics	M.Sc. M.Phil+Course Work Ph.D. +Course Work	2Yrs (4Sem) 1Yr
School of Studies in Statistics	M.Sc. M.Phil+Course Work Ph.D. +Course Work	2Yrs (4Sem) 1Yr
School of Studies in Zoology & Biotechnology	B.Sc. Hons. (Biotechnology) M.Sc.(Biotechnology) M.Sc.(Zoology) M.Phil+Course Work Ph.D. +Course Work	3Yrs(6Sem) 2Yrs (4Sem) 2Yrs (4Sem) 1Yr
School of Studies in Philosophy	M.A. P.G.Diploma in Yoga Edu. & Philosophy Ph.D. +Course Work	2Yrs (4Sem) 1Yr(2Sem)
School of Studies in Commerce	B.Com(Hons) BBA (Hons) M.Com (Marketing Management) M.Com (Financial Analysis & Control) M.Phil+Course Work Ph.D. +Course Work	3Yrs(6Sem) 3Yrs(6Sem) 2Yrs (4Sem) 2Yrs (4Sem) 1Yr.
School of Studies in Environment Management	M.Sc. (Environment Management) M.Phil (Environment Management) Ph.D. +Course Work	2Yrs (4Sem) 1Yr.(2Sem)
School of Studies in Microbiology	M.Sc. (Microbiology) Ph.D. +Course Work	2Yrs (4Sem)
Institute of Pharmacy	B.Pharma Ph.D. +Course Work	4Yrs (8Sem)
Department of Foreign Languages	Cert. of Proficiency in Russian Diploma in Russian Sr. Diploma in Russian Cert. of Proficiency in German Cert. of Proficiency in French	1Yr 1Yr 1Yr 1Yr 1Yr
Scindia Oriental Research Institute	Diploma in Karmakanda	1Yr
School of Engineering and Technology	B. E. (Electrical) B. E. (Mechanical)	4Yrs (8Sem) 4Yrs (8Sem)

	B. E. (Electronics)	4Yrs (8Sem)
	B. E. (Civil)	4Yrs (8Sem)

- Overseas programmes offered on campus:

None

- Programmes available for colleges to choose

Colleges can choose any program from the programmes offered by the university, but the regulatory body's approval is needed. Then the same should have been granted by that body. University allows a program to open after statutory procedures.

**1.2.2. Give details on the following provisions with reference to academic flexibility**

*a. Core / Elective options*

In addition to core papers at masters level programs the School of Studies offers number of elective papers particularly in III and IV semesters. Owing to this academic flexibility students can select a paper of their own choice which will encourage students to study more interestingly and giving better performance.

*b. Enrichment courses*

It is to be noted that there are various courses running on the University campus which are enriched by implementation of 'Project Work' of 4 months duration. The project works enable learners to strengthen their practical skill and also encourages them to continue their studies for doctoral courses. Students are also allowed to enrol themselves in any foreign language offered by foreign language department of Vikram University. Besides these university offers the following programmes:

1. Remedial Coaching
2. Entry into Services
3. National Eligibility wTest (NET) Coaching
4. Coaching for SC, ST, OBC & minority community students.
5. Tutorial Classes

in order to clear the concept, enrich knowledge of students and increase the employability.

- c. Courses offered in modular form

NIL

- d. Credit accumulation and transfer facility

NIL

- e. Lateral and vertical mobility within and across programmes, courses and disciplines

Provision for lateral and vertical mobility in the professional courses.

**1.2.3. Does the university have an explicit policy and strategy for attracting international students?**

Yes efforts are made to attract the international students.

**1.2.4. Have any courses been developed targeting international students? If so, how successful have they been? If 'no', explain the impediments.**



Yes the courses are designed to match the international standards.

**1.2.5. Does the university facilitate dual degree and twinning programmes? If yes, give details.**

No

**1.2.6. Does the university offer self-financing programmes? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programmes?**

Yes, Pharmacy, Engineering and B. Com.(Hons.) are self-financing programmes run by the University.

**1.2.7. Does the university provide the flexibility of bringing together the conventional face-to-face mode and the distance mode of education and allow students to choose and combine the courses they are interested in? If 'yes,' give operational details.**

Not yet

**1.2.8. Has the university adopted the Choice Based Credit System (CBCS)? If yes, for how many programmes? What efforts have been made by the university to encourage the introduction of CBCS in its affiliated colleges?**

The university has decided to introduce the Choice Based Credit System(CBCS) from the session 2015-2016.

**1.2.9. What percentage of programmes offered by the university follow:**

- \* Annual system : 0%
- \* Semester system: 100%
- \* Trimester system : 0%

**1.2.10. How does the university promote inter- disciplinary programmes? Name a few programmes and comment on their outcome.**

There are some courses of 'interdisciplinary nature'. The University encourages its faculty to undertake inter-disciplinary research leading Ph. D. degree. The few courses of inter-disciplinary nature offered by the university are B.A. (Hons.), B. Com. (Hons.), M. Sc. in Microbiology, Biotechnology and Environmental Management.

**1.3. Curriculum Enrichment**

**1.3.1. How often is the curriculum of the university reviewed and upgraded for making it socially relevant and/or job oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?**

Different Schools/Institutes of the University put their efforts to enrich the course curricula to suit the emerging needs of students and other stakeholders. The University reviews and upgrades curriculum of different courses every year through Board of Studies meeting of the concerned subjects for making it socially relevant/jobs oriented/knowledge intensive.

**1.3.2. *During the last four years, how many new programmes at UG and PG levels were introduced? Give details.***

The University has started the following new programmes in emerging areas:

- (i) Bachelor degree in different branches of Engineering
- (ii) Diploma in Yoga.

However, inter-disciplinary courses are not yet started. But initiative for opening new inter-disciplinary courses is taken.

**1.3.3. *What are the strategies adopted for the revision of the existing programmes? What percentage of courses underwent a syllabus revision?***

Every year Board of studies meetings are held to revise and upgrade most of the courses.

**1.3.4. *What are the value-added courses offered by the university and how does the university ensure that all students have access to them?***

Values are inculcated through courses like Diploma in Yoga and Course in Environmental Science. Students learn about discipline and time management through Yoga Principles. Environmental awareness and consciousness are imbibed by students through their environmental studies curriculum. NSS and NCC wings of the university teach the camaraderie and team works which are essential components in every field to achieve success.

**1.3.5. *Has the university introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?***

Yes, the University has introduced the following higher order skill programmes:

1. P.G. Diploma in Tourism.
2. A Programme for entry into services sponsored by the UGC.
3. A Programme for NET coaching sponsored by the UGC.

**1.4. *Feedback System***

**1.4.1. *Does the university have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?***

Informal mechanism exists, however initiatives have been taken to develop a

formal feedback system.

***1.4.2. Does the university elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions, etc. and its impact.***

Yes, a national seminar has been organised in the university and feedback has been taken from participants regarding various aspects including curricula.

***1.4.3. Specify the mechanism through which affiliated institutions give feedback on curriculum enrichment and the extent to which it is made use of.***

Members of affiliated colleges are invited in Board of Studies meeting for incorporating their views and suggestions during revision of syllabus and curricula.

***1.4.4. What are the quality sustenance and quality enhancement measures undertaken by the university in ensuring the effective development of the curricula?***

To sustain and enhance the curriculum quality the following measures are taken: Revision of the syllabus once a year on the basis of the discussions and interaction by the faculty members & Co-opted members of the respective Board of Studies.

***Any other information regarding Curricular Aspects which the university would like to include.***

*Keeping in view the national level exams conducted by UPSC & other agencies, it would be worth advisable to revise the curriculum of each subject through Board of Studies.*