VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be UNIVERSITY)

-Estd. u/s 3 of UGC Act 1956

STRATEGIC PLAN OF VFSTR
2013-18

Strategic Plan of VFSTR

2013 - 2018

INDEX

VISION

To evolve in to a center of excellence in science & technology through creative and innovative practices in teaching-learning, towards promoting academic achievement and research excellence to produce internationally accepted, competitive and world class professionals who are psychologically strong & emotionally balanced imbued with social consciousness & ethical values.

MISSION

To provide high quality academic programs, training activities, research facilities and opportunities supported by continuous industry-institute interaction aimed at promoting employability, entrepreneurship, leadership and research aptitude among students and contribute to the economic and technological development of the region, state and nation.

PREFACE

The strategic planning is an inevitable document for any educational institutions for an effective functioning so as to achieve destined goals. These types of planning are short-term, medium-term and long-term duration. VFSTR is having the administrative set up in a destined hierarchy for the planning and monitoring of the conceived strategic plan. There are regular BOM, AC, PMB and Finance committee meetings held and debate on the implementation of conceived ideas and progress of activities

Deans in the University officiate activities identified by P & M section of the University and HoDs of the respective discipline are involved in the implementation of the strategic plan at the student, extension and research level.

The strategic plan for the years 2013-18 is projected in this document.

EXECUTIVE SUMMARY

The five-year plan for the period between 2013-2018 is developed for effective functioning of the University in the following areas:

Enhance Excellence in programs and services wherein it is proposed to take the action points on the existing courses and new courses coupled with interdisciplinary flavor. The second proposed point is Student success which is an essential aspect in any educational institution as the whole planning and monitoring is to make students to achieve success in their pursuits. Under this, impart skill training, strengthen weak students and Mold students for higher education have to be emphasized. The third aspect that is put up in the five-year plan is to initiate collaboration with society and industry to train students of different disciplines in various industrial sectors. The fourth point is another important wing of the University viz., Research, wherein it is notified to establish CoEs and Department Specific Research Centers. The fifth point focused is to update Internal support system for effective and transparent functioning of the University administration. The rest of the points considered here are: Attract meritorious students and faculty, Periodic alumni meet and Promote cleaner and greener campus. The Action points for implementation are also indicated.

Enhance Excellence in programs and services

a) Existing courses

The basic engineering courses and a few applied courses totaling to 17 are being offered at VFSTR U which are having industrial demand. The curriculum of the courses is to be revised once in three years considering the requirements in the industry and new concepts in the respective subjects. The current syllabus is of R13 curriculum. The ensuing R16 regulation should be an improved version incorporating "Activities" so as to provide industrial skills. Students will be trained to write proof of concepts through project oriented learning. Employability and life skill courses are to be taken up as the priority item in the ensuing academic regulations.

b) New Courses

i. The engineering courses which are not being offered by students such as Mechatronics Engineering need to be replaced. The Bachelor of Science courses with computer applications are also having good placement potential. Such courses may be initiated. Promote students to take up Civil coaching as the engineers are the most required in the administration to build the nation.

c) Interdisciplinary flavor

i. The industry requirement is multidimensional, wherein the concepts of various domains are warranted. Hence, incorporation of open electives to be chosen by students across disciplines has to be promoted.

ii. The educational institution is not only for providing the degree certificates to students but also to meet requirements in the society such as adoption of villages so as to inculcate the indigenous and traditional procedures to our students. In the process, the interaction of students with rural mass will be enhanced. In reciprocation, locals also extend their cooperation for the growth of the Institute.

2. Student success

a. Impart skill training

i. Mere completion of the course work and obtaining degree certificates will not enhance the required industrial skills among students. There is a need to go beyond the curriculum to train students such as (i) Short Term Training Program and (ii) Add-On Courses for a period of a week with a handful of students considering the requirements in the industry. It is to be noted that at least one such course to be conducted per semester.

b. Steps to strengthen weak students

i. Among students there is a great diversity which is one of the hallmarks of the class room teaching wherein the attentive and inattentive students need to be addressed. In this line, the selection of mentoring students and make them to work in close proximity with weak students as in most of the aspects their wavelength matches and the same promote weak and interesting students to improve their academic performance. In addition, conduct extra classes for a small group of students which also promotes learning among weak students.

c.Mold students for higher studies

i. Students community is an asset to any organization. They are large in number. They are diversified. Their goals are varying. They settle in a variety of fields. Hence, students interested in higher studies, need to be directed to the respective institutions. GATE training is to be imparted. Students have to be molded in performing experiments and small report writing in Minor projects, Intra-disciplinary projects, Inter-disciplinary projects and Socio-centric projects.

3. Initiate collaboration with society and industry

a. Start-ups

i. As the majority of engineering students are preferring employment, a few who are innovative with awareness on the market potential will certainly think on starting an industry, for whom required support from University need to be extended by creating a E-Cell.

b. Agri-industries

i. Agri-based industry is taking a big leap in India. It is primarily because of the dependence on the migrating agricultural skilled workers for agricultural harvest. The number of agricultural workers is dwindling in villages due to the urban affinities and attraction. There is an utmost need to train students in this line and develop partnership with such agri-based industries which would enhance the market awareness and social needs among students. This constitutes a service to the local community.

c. Food-industries

i. The packed foods, dairy and confectionaries are the order of the day. Nearly 80 % population is depending on these products. Hence, the skill involved in the protocol development, preservatives and packing need to be known to our students. In this line, a few departments need to be identified in the University to develop collaboration involving both students and faculty.

d. Diagnostic-industries

i. Clinical diagnosis and food-spoilage testing are again with great demand in our society due to changes in the life style of people. This field also requires training students in skills to maintain the sterile processing and to operate the process with good manufacturing practices and good laboratory practices.

e. IT industries

i. IT industries are proliferating and a majority of them are subservient to the major giants in IT industry. Hence, there is an enormous scope for students of our University to take up Start-ups in this line. Students need to be trained in the required programming languages and data management software.

f. Automobiles

i. It is yet another leading industry worldwide. There is an enormous precision and customized finishing warranted in automobile vehicles in the society. As a result, there is a deviation from the monotonous frames of the vehicles, which requires the extra kits to be furnished. Students may be allowed to get trained in this line.

4. Enhance Research Activities and Library facilities

a. Innovative research:

Learning inevitably accompanies with innovative ideas. Innovation generates through research inclination. Universities are the centers of learning as the prevailing infrastructure and faculty are conducive for the promotion of research. Research coupled with innovations results into patents, start-ups, publications, monographs and books.

b. Establish Centers of Excellence

Incipient attempts in developing CoEs in the Departments with more number of Doctorates to nurture contemporary research topics have to be initiated. This facilitates both the faculty and students to acquaint with techniques to explore and unravel topics related to societal needs and contemporary interest.

c. Identify Department Specific Research Centers

The departments encompass students, scholars and experienced and junior faculty. They all deal with the discipline at a depth to disseminate its contents and concepts. The lacunae and applications in the respective discipline have to be identified to establish Research Centers. This attempt incessantly motivates students and scholars to attempt to unfold lacunae in the respective discipline.

d. Library Facilities

Despite the abundant literature available through GOOGLE search engine, there is an inevitable requirement for online journals, hardcopy journals, video lectures, online books and hardcopy books to be maintained in the serene environment in library which makes learners in the University to explore the unsolved issues.

5. Update internal support system

a. University Website

i. The website of the University meets the requirement of several prospective students and faculty. Also, provides information for the existing students particularly the schedule of examinations, class-work, lecture notes, power point presentation, faculty profile, books in the library and cultural events. Hence, the University website needs to be updated on a periodical basis considering the future growth and complexity of the University.

b. Paper-less administration

Yet another requirements warranted are swift transfer of information and minimize the wastage in the University campus. The same needs to be given top priority and modalities for its implementation have to be worked out.

6. Attract meritorious students and faculty

i. The admission department of the University has to take up the initiative to make the meritorious students to enroll in each of the discipline. The scholarships for such students who secured higher percentage of marks in the qualifying examinations have to be planned.

ii. The faculty selectio has to be given pivotal importance. The selections at IITs, NITs and Central Universities in collaboration with their institutes will fetch faculty with good background. In addition, the regular incentives in academic and research performance also promote to retain the faculty.

7. Periodic Alumni Meet

i. The glory of any academic institution reflects on the number of Alumni students settled in various domains in the society. Hosting the annual meetings of Alumni invariably promotes steps to be improved in the curriculum and placements. Further, it also spreads the fame of the University far and wide. These meets also encourage the meritorious prospective students to seek admissions in the University.

8. Promote cleaner and greener campus

i. The campus enriched with plantation and grass gives elegance in its appearance. Further, the neatness in the campus enhances the affinity and propensity of students to stay for long in the campus to utilize laboratory and library facilities.

ii. The QR codes for each plant present in the campus need to be displayed.

iii. Medicinal plants garden has to be maintained in the campus to give awareness among inmates of the University on the endemic flora to explore traditional knowledge.

9. Action Points

- Establish an Office for In-reach and Out-reach with departments and local community.
- Establish E-cell and Business incubation Centre.
- Create a dedicated cell to promote training & placements and higher studies.
- Conduct domain-specific workshops and joint research by providing seed funding.
- Initiate new undergraduate programs
- Strengthen University library
- Establish Centers of Excellence
- Identify Research Centers in Departments.
- Initiate curricular revision to enhance skill based courses.
- Simplify systems and processes to update internal support system
- Implement appropriate recruitment rules to attract qualified staff at various levels.
- Conduct annual satisfaction survey.
- Organize On-campus service orientation and training for staff, service response and online complaint systems.
- Conduct conferences and workshops to promote incubation and start-ups.
- Promote steps to beautify the Campus

1 — Deemed to be UNIVERSITY

PG & Degree College — 1

Pharmacy Colleges — 3

Engineering Colleges — 7

B.Ed College — 1

21 — Schools of State & Central Boards

Junior Colleges — 7

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