Vivekanand Education Society's
Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

Since 1962

INDEX

6.2 Perspective Plans and Policies

6.2.1 The institutional Strategic/Perspective plan is effectively deployed.

Question:
Describe one activity successfully implemented based on the strategic plan within a maximum of 500 words .

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6.2.1 Perspective/Strategic plan and deployment documents are available in the institution.

Perspective Plan 1984-1994

Goal 1: Initiating various Technical Courses under VESIT banner

Strategy: To identify the technical courses best suited for the industry.

Success: College establishment on 7th August 1984

Goal 2: To develop center of excellence in the core technological branches

Strategy: To develop various labs and resources for the smooth conduction of the courses offered at VESIT.

Success: Core technological branches Electronics, computer and Instrumentation Engineering branches were initiated with an intake of 60 students in each branch

Goal 3: Introduction to allied and upcoming courses.

Strategy: To identify the course aligned to the goal.

Success: In the A.Y. 1992-93, intake in the Electronics and Telecommunication Engineering branch was introduced with 60 seats.

Challenges of perspective plan 1984-94

1. To make VESIT the first choice for engineering courses in Mumbai.
2. To streamline the processes of all the activities conducted at VESIT.
3. To recruit more expert faculty members for respective courses offered at VESIT.
4. To develop the infrastructure for the institute

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Perspective Plan 1995-2003

Goal 1: To enhance the existing infrastructure and increase the number of experienced faculty

Strategy: Effectively plan the academic schedule and function as per the rules and regulations laid down by Mumbai University.

Success: Smooth conduction of the academic session through a well prepared time table as per the university norms.

Goal 2: To develop the overall personality of students through technical excellence.

Strategy: To groom the overall personality of the student, a number of co-curricular, extra curricular activities and professional society activities need to be initiated.

Success: A number of professional societies were initiated that focused on overall personality development.

Goal 3: To provide job opportunities for the undergraduate students of VESIT.

Strategy: To establish a training and placement center at VESIT.

Success: Initiatives were planned for career guidance through a multitude of training sessions.

Goal 4: Introduction of Post Graduate programs with a view to initiate research culture.

Strategy: To initiate courses in the latest state of art technologies.

Success: 1. An additional course in Information Technology started in A.Y. 1999-2000 with an intake of 40 students.

2. ME INFT and EXTC started in A.Y. 2002-2003 with intake 18.

3. ME Instrumentation & Control started in A.Y. 2003-2004 with intake 18.

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Goal 5: Initiation of faculty upgradation program.

Strategy: To encourage faculty for higher studies.

Success: VESIT faculty is sponsored for higher education.

Challenges of perspective plan 1995-2003

1. To identify and introduce new programs of core competency.
2. To follow the legacy of being a student centric institute having an industry oriented approach.
3. To provide well equipped labs through infrastructure development.

Perspective Plan July 2004 to June 2009

Goal 1: NBA accreditation for existing courses

Strategy: To comply with all terms and conditions of NBA accreditation

Success:

- In 2006 the department of EXTC, INST, INFT and CMPN got accredited for 3 years.

- In 2007 the department of ETRX got accredited for 3 years.

Goal 2: Introduction of application oriented courses to provide opportunities to science graduates to enter into promising field of computers

Strategy:

1. To promote application oriented PG courses.
2. To develop labs for application oriented courses.
3. To take steps towards approval of the faculty for application oriented courses.

Success: Master of Computer Application (MCA) started in A.Y. 2003-2004 with an intake of 60 students.

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Goal 3: Enhancing the teaching-learning process.

Strategy:

1. To develop and follow Lecture and Lab plans.
2. To update Lecture and Lab plans every year.
3. To promote faculty to attend FDPs.

Success:

- For the improvement in the teaching-learning process the organization had started with well planned lecture and lab plans and accordingly execution of lecture and lab plan.
- In the lab plan, the experiment list is to be updated every year with the inclusion of at least two new practicals.
- The faculty from various departments attended the Faculty Development programs.

Goal 4: Establish a system for quality improvement program

Strategy:

1. Increase the number of sponsored faculty for higher education for ME and Ph.D.
2. Organize more FDPs in campus
3. Promote faculty for conferences, workshops and additional training

Success:

Every year VESIT faculty is sponsored for higher education as per the norms of VESIT.

Goal 5: Permanent affiliation of the existing departments.

Strategy:

1. To apply for the procedure of permanent affiliation to University of Mumbai.
2. To maintain the departmental functions as per the norms of University of Mumbai.

Success:

The departments of ETRX, CMPN, INST, EXTC, INFT received permanent affiliation **from A.Y. 2006-2007.**

Goal 6: To promote research and development culture at VESIT

Strategy: To encourage research and development culture amongst the faculty.

Successes:

- Conducted a national conference UTKARSH-2007 in January 2007.
- Faculty members of VESIT were encouraged to write research papers.
- VESIT organized an International Conference ICCC-09 in January 2009.

Goal 7: To plan for augmentation of Infrastructure for the future growth plan in the new premises

Strategy:

1. Determine the floor wise plan and plan the infrastructure requirements.
2. Allocation of departments as per the plan

Success: Execution of the steps to move premises.

Challenges of perspective plan 2004 to 2009

- In 2003, MCA course was completely run in the MMS building due to infrastructure limitation.

Perspective Plan July 2009 to June 2014

Goal 1: Infrastructure upgradation to accommodate allied courses

Strategy:

1. To earmark the resources to various departments.

2. To design and develop laboratories and shift equipements to the new premises.

Successes

- Development of laboratory infrastructure.

- Establishment of the institute in the new premises.

- Shifting of the institute without affecting the academic schedule.

Goal 2: Increase in Intake of existing courses at VESIT

Strategy:

1. To design the admission procedure and promotion of additional courses.

2. To develop labs for additional courses.

3. To plan recruitment procedures for additional courses.

4. To take steps towards approval of the faculty for PG courses.

Successes:

- In A.Y. 2011-2012 CMPN Dept received an increased intake from 60 to 120.

- In A.Y. 2012-13 ETRX and EXTC Depts intake increased from 60 to 120.

- In A.Y. 2012-13 CMPN Dept second shift started with intake 60.

- In A.Y. 2012-13 MCA Dept Second Shift started with intake 60

- In A.Y. 2013-14 EXTC dept second shift started with intake 60 for direct second year.

Goal 3: Permanent affiliation for the department of MCA

Strategy:

1. To apply for the procedure of permanent affiliation to University of Mumbai.
2. To maintain the departmental functions as per the norms of University of Mumbai.

Successes: In A.Y. 2011-12 MCA Dept (first shift) got permanent affiliation.

Goal 4: Enhance the Research and Development culture.

Strategy:

1. To explore the development of Ph.D center in the department of Electronics
2. To apply for project grants.
3. To promote Research paper publications.

Success:

- In A.Y. 2012-13 Recognized as Ph.D Centre for Electronics.
- Increase output in research with increased research papers and research grants.

Goal 5: To promote academia and industry connect.

Strategy:

1. To explore Industry Institute Interaction.

2. To incorporate state of the art technologies in the respective domain of the department.

Success:

- "L&T Graduate Engineering Trainee Refresher course" was initiated.
- The Institute received Field Instruments donated by Reliance and Emerson.

Challenges of perspective plan 2009 to 2014

- Time management during Shifting to new premises and setting up of all labs.
- Increase in research grants.
- Improvement in Industry Institute Collaboration.
- Get NBA accreditation for existing courses.

Perspective Plan July 2014 to June 2019

Goal 1: NBA accreditation for existing courses.

Strategy:

1. To comply with all terms and conditions of NBA accreditation
2. To update teaching and research labs with new equipment

Success:

1. In 2016-2017 the departments of ETRX, CMPN, EXTC, INFT and INST got accredited for 2 years.
2. In 2018-2019 the department of INST, EXTC, ETRX and INFT received an extension of accreditation period for 1 year.
3. In 2019-2020 the department of ETRX, EXTC, INST, and INFT got re-accredited for 3 years.

Goal 2: Adoption of modern learning resources.

Strategy:

1. To enable new mechanisms of learning through utilization of central repositories.
2. To introduce new online courses and certification programs
3. To introduce new teaching- learning methodologies.

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Success:

- Many Students and faculty are certified with NPTEL which was introduced in November 2018.
- Many students and faculty are certified with Cloudera, Oracle, AWS, Moodle and Microsoft Certification.

- New teaching -learning methods like Project Based Learning (PBL) and Process Oriented Guided Inquiry Learning(POGIL) started in 2015.

Goal 3: Enhance Industry institute collaboration.

Strategy:

- To develop innovation centres in collaboration with industry
- To promote entrepreneurship ,industry-academia partnership and application inspired industry research.

Success:

- To build industry-institute collaboration VESIT started with various Innovation centers.
- Automation Industry Association(AIA) Lab was started in March 2016.
- NI LabVIEW Academy in collaboration with National Instruments (USA) was started in July, 2013.
- VESIT also started with Accenture Innovation Center, D-Link Academy Lab and MODROB Grant.
- Cloudera Academy was started in March 2014.
- Aditya Jyot Eye Innovation Center was inaugurated in August 2019.

Goal 4: Promotion of Project based Learning in VESIT

Strategy:

1. To promote the students to work in interdisciplinary teams and to come up with innovative project ideas.
2. To encourage students to participate in various project competitions.

Success :

- To promote the interdisciplinary teams, the Looking Beyond Syllabus Project concept was introduced in the year 2015.
- Tinkerer's labs were established in individual departments
- Student Projects mentored by faculty won various project competitions such as Avishkar, E-Yantra, Smart India Hackathon etc.
- VESIT Renaissance Cell (VRC) was initiated to encourage and train young faculty members to afflux the institute for enhancing innovation and technology use in TLP.

Goal 5: Increase in intake of existing courses.

Strategy:

1. To allocate labs and faculties to the course with increased intake.

Success:

- In the year 2019-2020 INFT Dept received an increased intake from 60 to 120.

Goal 6: Permanent Affiliation for existing PG courses.

Strategy: To apply for permanent affiliation of PG program to University of Mumbai.

Success: ME INFT, INST & CONTROL and EXTC got permanent affiliation in A.Y. 2017-2018.

Goal 7: Quality assurance

Strategy: To ensure sustained quality education at VESIT.

Success: Constituted committees like Department advisory Board (DAB),Programme assessment committee(PAC).

Challenges of perspective plan 2014 to 2019

- To set up an innovation and incubation cell at the institute
- To introduce a course aligned to the emerging technologies across the globe.
- To develop a methodology for meeting quality standards and performance measures

Perspective Plan July 2019 to June 2024

Goal 1: Create centre of excellence and Brand Building of VESIT
Strategy:

1) To apply for the financial assistance scheme of University Grants Commission (UGC).
2) To enhance the culture of innovation, research , enterpreneurship and product development at VESIT.
3) To apply for various quality audit recognitions.
4) To increase number of funded projects/STTP/FDP
5) To set up full fledged incubation centre at VES level

Success:

- Recognized under Section 2(f) & 12(B) of The University Grants Commission (UGC).
- VESIT-IIC(Institute Innovation Council) was constituted in January 2019
- Received ARIIA ranking in 2019.
- Received AICTE CII Platinum ranking 2020.

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- Received NIRF Ranking in September 2021.
- A number of sponsored FDP and projects undertaken.

Goal 2: Vertical growth of VESIT IIC

Strategy:

1) To conduct focused workshops in IPR and patents, plagiarism, research methodology
2) To have specific MOUs with industries who recruit a large number of students
3) To promote entrepreneurship activities through E-Cell.
4) To set up pre incubation centre at VESIT

Success:

- Number of workshops have been conducted towards the inception and growth of IPR and patents.
- Focused workshops on entrepreneurship have been conducted by E-cell
- Projects initiated at Research labs & Tinkerer's lab got recognition at Industry level, University level, national level and international levels.

Goal 3: Introduction and enhancement of courses aligned to emerging technology

Strategy:

1) To develop the entire set up for the new course
2) To allocate additional labs and faculties to the course with increased intake.

Success:

- In the year 2020-21 a new course Artificial intelligence and Data Science was introduced with the intake of 60 seats.
- In the year 2019-2020 INFT Dept received an increased intake from 60 to 120.

Goal 4: To streamline the academic and administrative processes at VESIT, using technology

Strategy:

1. To form various committees to oversee the functioning of the department
2. To involve various stakeholders in order to align the progress at VESIT with industry standards.
3. To obtain various feedback to ensure quality in the teaching-learning process."

Success:

- VESIT-IQAC was constituted to ensure overall development through various quality measures at academic and administrative levels

Goal 5: To achieve academic autonomy and to prepare for implementation of NEP 2020

Strategy: To apply for the National Assessment and Accreditation Council (NAAC).

Success: In Progress..

Challenges of perspective plan 2019 to 2024

1. To promote industry academia interactions through a number of MoUs