



Shri Vile Parle Kelavani Mandal's

# Dr. Bhanuben Nanavati College of Pharmacy

*(Affiliated to University of Mumbai, Approved by AICTE, PCI, DTE)*



**B. Pharm Program Accredited by NBA till 2022**  
**NIRF 2021 Ranking : 28<sup>th</sup> All India Rank**  
**AICTE-CII Best Industry Linked Pharmacy Degree College Award**  
**( 2015 and 2017)**  
**Platinum category- 2016 and 2020**

## Institutional Development Plan in line with NEP 2020

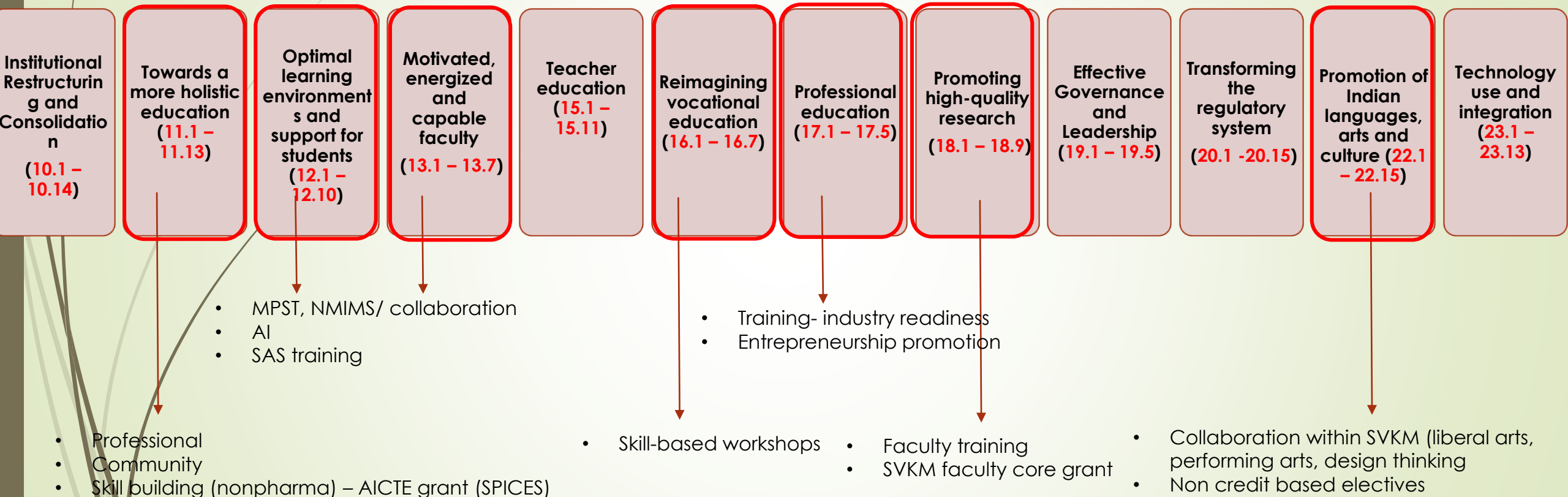
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Address:

SVKM's Dr. Bhanuben Nanavati College of Pharmacy, Gate No. 1, SVKM Campus, 1<sup>st</sup> Floor, V.M. Rd, Mumbai 400 056.



# NEP 2020 Higher Education





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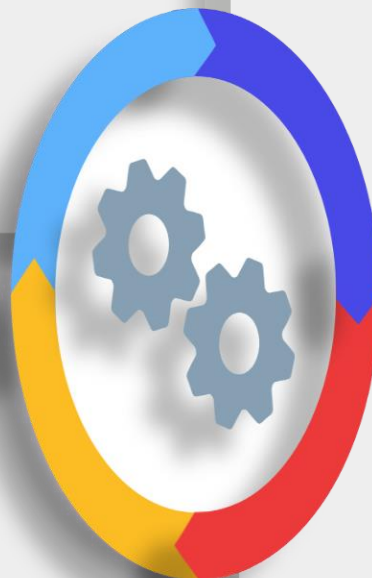
# SWOC Analysis

## Strengths

- Infrastructure
- Faculty strength
- Stakeholder support
- Employability & Higher Education

## Weaknesses

- Student enrolment (Ph.D. programmes)
- Student diversity
- Entry-level CTC of UG / PG students



**Student**  
**Faculty**  
**Research**  
**Governance**

## Challenges

- International exposure / training to faculty
- Mobilization of bilateral / trilateral research funding
- Faculty motivation for research proposal submission
- Translation of research / IPR/ Tech transfer

## Opportunities

- Increased enrolment for Ph.D. programs
- Enhancement of employability in other sectors
- Improvement of NIRF ranking
- Increase no. of Academic programs
- Increase no. of faculty with Industry linkages
- Strengthening research
- Autonomy

# NAAC and NBA criteria alignment with NEP 2020



Student Education and skill development  
Student Support and Progression

- Curricular Aspects
- Teaching-learning and Evaluation
- Reimagining vocational education
- Student support
- Strengthening placement, entrepreneurship and outreach

Faculty training and Promoting high quality research

- Creating research faculty and Promoting high quality research
- Research, Innovations and Extension
- Faculty development and training
- Capable faculty with enhanced industry collaboration

Infrastructure and Learning Resources/ Technology use and integration

- Infrastructure for the current programs
- Scope of Extension and addition of programs
- Learning resources/ offline/ online
- Research facility

Institutional Values and Best Practices

- Students and faculty oriented Best practices
- Nation oriented Best practices



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# NIRF - Analysis

- Number of Student (UG/PG/PhD)
- Introducing more programs
- Faculty strength (Numbers/ research)
- Research services for outsider to increase perception and Industry/ institutes collaboration
- Research grants/ Industry grants



# Specific Criteria for Objectives and Outcomes

(Framed on basis of SWOC in line with NEP 2020, NAAC-NBA criteria and NIRF gap analysis)



- ▶ **Infrastructure & Learning Resources/ Technology use and integration**
  - ▶ Increase in number of Programs
  - ▶ Research infrastructure strengthening
  - ▶ Learning resources
- ▶ **Student education and skill development**
  - ▶ Teaching-learning and Evaluation
  - ▶ Student skill development
  - ▶ Student Support and Progression
  - ▶ Training and placement
  - ▶ Co-curricular and Extra-curricular
- ▶ **Faculty Development and capability enhancement**
  - ▶ Teaching-learning training
  - ▶ Research Capability building/ enhancement
  - ▶ Faculty Support and motivation
  - ▶ Staff training
- ▶ **Promoting high quality research**
  - ▶ Research Capability building/ enhancement
  - ▶ Research Infrastructure Development
- ▶ **Promotion of Indian languages, arts and culture**
- ▶ **Technology use and integration**

# Infrastructure & Learning Resources/ **Technology use and integration**

	<b>Tools – current status</b>	<b>Institutional planning- Short term</b>	<b>Long-term</b>	<b>Expected outcome</b>
Increase in number of Programs	<ul style="list-style-type: none"> <li>PG Branches</li> <li>PhD branches</li> <li>Certification course</li> </ul>	M Pharm (Pharm Analysis) PhD (Quality Assurance)	More M Pharm and PhD program to be added	Increase in number of enrollment Increase in college perception
Research infrastructure strengthening	Facility for multidisciplinary research	Creating research facility to strengthen the current expertise of each dept.	Facility for multidisciplinary research	Improved research outcome, perception and revenue generation
Learning resources	<ul style="list-style-type: none"> <li>Coursera</li> <li>SWAYAM/MOOCs</li> <li>NPTEL</li> </ul>	<ul style="list-style-type: none"> <li>All faculty to enroll annually for at least 2 certification</li> <li>PG and PhD students- compulsory 3 certification in the area of their research-allied</li> <li>UG- Promotion of Coursera certification as per their carrier goals</li> </ul>	Faculty – resource persons for NPTEL and SWAYAM courses	Improved learning, enhancement of knowledge



# Students learning and Skill development- **Holistic development**

	Tools – current status	Institutional planning- Short term	Long-term	Expected outcome
Teaching-learning and Evaluation	<ul style="list-style-type: none"> <li>Results, Higher education enrollment</li> <li>Placement</li> </ul>	<ul style="list-style-type: none"> <li>Slow learners – Remedial classes, Focus group sessions</li> </ul>	Industry linked learning	Enhanced academic quality (learning outcomes, pass percentage of the students)
Student skill development	<ul style="list-style-type: none"> <li>Short-term certificate courses</li> <li>Fostering Entrepreneurship and Innovation</li> </ul>	<ul style="list-style-type: none"> <li>Add more LSSSDC courses</li> <li>Industry training center at college (concept of Polytechnic institutes)</li> </ul>	Incubation centre for students for developing models/nurturing their ideas (beyond academic projects)	<ul style="list-style-type: none"> <li>Enhanced practical understanding and making students industry-ready</li> <li>Gaining of knowledge beyond their degrees</li> </ul>
Student Support and Progression	<ul style="list-style-type: none"> <li>AVISHKAR</li> <li>BNCP-Scintellect</li> </ul>	<ul style="list-style-type: none"> <li>Students exchange program with National Universities of repute</li> </ul>	Collaborative courses/programs with top international institutes	Enhanced progress of students in academic and research skill building
Training and placement	<ul style="list-style-type: none"> <li>Placement</li> <li>Industry training</li> <li>Annual packages</li> </ul>	<ul style="list-style-type: none"> <li>More campus visits</li> <li>Improvement in placement package</li> </ul>	<ul style="list-style-type: none"> <li>Training center by industry in college for skill based training</li> <li>Enhanced placements</li> <li>Increase in number of Entrepreneurs</li> </ul>	Better placement and package Will create reputation of institute
Co-curricular and Extra-curricular	<ul style="list-style-type: none"> <li>College festivals</li> <li>Sports activity</li> </ul>	<ul style="list-style-type: none"> <li>Student tours (one Week) to research centres / industry</li> </ul>	Community centres in college	Social and professional responsible students and college perception

# Faculty/ staff development and **capability enhancement**

	Tools- current status	Institutional planning- Short term	Long-term	Expected outcome
Teaching-learning training	<ul style="list-style-type: none"> <li>Faculty Development programs</li> <li>SWAYAM/ MOOCS/ NPTEL</li> <li>Industry training</li> <li>Academic performance</li> </ul>	<p>NITTR pedagogy training of all faculty</p> <p>MOOCS certification (faculty)</p>	<ul style="list-style-type: none"> <li>Development of MOOCS for faculty and researchers by BNCP faculty in collaboration with AICTE</li> <li>International training</li> <li>International visits for exposure</li> </ul>	Exploiting potential of faculty and Development of faculty to the international standards
Research Capability building/ enhancement	<ul style="list-style-type: none"> <li>Research score</li> <li>National/ International Collaboration</li> <li>Industry collaboration</li> </ul>	National MoUs for collaborative research	International MoUs for collaborative research	<p>Enhancing research and consultancy activities</p> <p>Improving interaction with the Industry</p>
Faculty Support and motivation	<ul style="list-style-type: none"> <li>Research Promotion Scheme</li> <li>Travel grant</li> </ul>	SEED Grant- SVKM	International faculty exchange for collaborative research	<p>Motivated faculty</p> <p>Funding opportunities for high calibre research by faculty</p>
Staff training	Quality Improvement Program	MOOCS certification (staff)	Laboratory training programs developed by BNCP staff	Motivated, energised and capable staff supporting the faculty and students for research



# Institute Research Development plan



	<b>Tools – current status</b>	<b>Institutional planning- Short term</b>	<b>Long-term</b>	<b>Expected outcome</b>
Research Capability building/ enhancement	<ul style="list-style-type: none"> <li>• Research services</li> <li>• National/ International Collaboration</li> <li>• Industry collaboration</li> </ul>	Set up specialized service facility in <ul style="list-style-type: none"> <li>• Anti-cancer</li> <li>• CVS/CNS</li> <li>• Metabolic diseases</li> <li>• Nanotech based formulations and characterization lab</li> </ul>	Center of excellence in the area of Drug discovery and development	<ul style="list-style-type: none"> <li>• Enhancement of National perception</li> <li>• Revenue generation</li> <li>• Students and faculty training</li> <li>• International and National collaboration</li> </ul>

# Research infrastructure development plan



Area of research	Short term In next 3 years	Mid term In next 5 years	Long-term	Expected outcome
<p>Multidisciplinary Research</p> <p>Set up specialized service facility in</p> <ul style="list-style-type: none"> <li>• Anti-cancer</li> <li>• CVS/CNS</li> <li>• Metabolic diseases</li> <li>• Nanotech based formulations and characterization lab</li> <li>• Drug Development and discovery</li> </ul>	<p>Facility to be created</p> <ol style="list-style-type: none"> <li>1. Drug development and discovery center</li> <li>2. In-vitro cell line and In Vivo Animal study center</li> </ol> <p><b>Resources:</b></p> <ul style="list-style-type: none"> <li>• Govt. grant</li> <li>• Industry funding</li> <li>• SVKM Funding as a budget</li> </ul>	<p>Facility to be created</p> <ol style="list-style-type: none"> <li>1. Development of Experimental Surgery Unit</li> <li>2. Animal house facility for cancer research – one lab with IVC unit.</li> <li>3. Setting up of histopathology laboratory</li> <li>4. Nanotechnology center</li> </ol>	<p>Center of excellence in the area of Drug discovery and development for Industry applications</p> <p><b>Resources:</b> Govt Funding Industry funding SVKM funding</p>	<ul style="list-style-type: none"> <li>• Enhancement of National perception</li> <li>• Revenue generation</li> <li>• Students and faculty training</li> <li>• International and National collaboration</li> </ul>

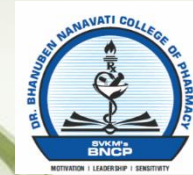


## Promotion of Indian languages, arts and culture

	Tools – current status	Institutional planning- Short term	Long-term	Expected outcome
Promotion of Indian languages, arts and culture (NEP P11)	College festivals (Rx active participation- 10 times Winner)	Participation in national cultural events	Participation in International cultural events	Development of student caliber and talent Improvement in college perception

## Technology use and integration

	Tools – current status	Institutional planning- Short term	Long-term	Expected outcome
Technology use and integration (NEP P12)	<ul style="list-style-type: none"> <li>Oracle</li> <li>SAP systems</li> </ul>	Implementation of Parivartan 2 for technology integration	Advanced tools of Technology integration	Digitalization of education, administration and management of Institute



Thank  
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