Chairman of Board of Governor/ Steering Committee (with period): Formation of BOG is pending.

Director/ Project Director (with period):
Project Director
Dr Harish Padh : Oct 2007 to 04 Jul 2010
Dr Neeta Shrivastava : 05 Jul 2010-15 Nov 2014

Director
Dr KiranKalia : 16 Nov 2014 till date

Historical Milestones (incl. Inauguration date):
Inauguration / Arrival of 1st Batch to NIPER Ahmedabad: 01 Oct 2007
1st Convocation: 25 Jun 2010
2nd Convocation: 03 March 2013
3rd Convocation: 19 Oct 2015

Mentor Institute if any: B.V.Patel PERD Centre

Achievements till date: Department of Pharmaceutical has recognized NIPER – Ahmedabad as National Centre for Medical Devices

Manpower-Academic and Non-Academic staff-Sanction/In-position/Vacancy
Till date posts are not sanctioned for NIPER Ahmedabad. All faculty and staff are on contract basis.

Details of faculty & staff are appended below:
Regular Faculty: 01, Director
Contractual Faculty: 12
Contractual Technical staff: 03
Contractual Admin staff: 07

Finances: Government- Allocations, releases, utilization, balance during the last 5 years.

<table>
<thead>
<tr>
<th>Year</th>
<th>Allocation BE in INR</th>
<th>Allocation RE in INR</th>
<th>Total Release in INR</th>
<th>Expenditure in INR</th>
<th>Exp.% to RE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009-10*</td>
<td>53,429,000</td>
<td>44,820,000</td>
<td>30,000,000</td>
<td>31,593,670</td>
<td>70.49%</td>
</tr>
<tr>
<td>2010-11</td>
<td>92,570,000</td>
<td>37,225,000</td>
<td>11,000,000</td>
<td>29,086,620</td>
<td>78.14%</td>
</tr>
<tr>
<td>2011-12</td>
<td>84,412,000</td>
<td>50,000,000</td>
<td>33,700,000</td>
<td>32,427,146</td>
<td>64.85%</td>
</tr>
<tr>
<td>2012-13**</td>
<td>82,000,000</td>
<td>122,900,000</td>
<td>50,000,000</td>
<td>43,460,615</td>
<td>35.36%</td>
</tr>
<tr>
<td>2013-14</td>
<td>121,100,000</td>
<td>121,100,000</td>
<td>67,900,000</td>
<td>49,207,145</td>
<td>40.63%</td>
</tr>
<tr>
<td>2014-15</td>
<td>120,874,000</td>
<td>42,621,700</td>
<td>45,000,000</td>
<td>51,919,343</td>
<td>121.81%</td>
</tr>
<tr>
<td>2015-16</td>
<td>217,600,000</td>
<td>197,600,000</td>
<td>197,600,000</td>
<td>184,900,000***</td>
<td>93.57%***</td>
</tr>
</tbody>
</table>

*2009-10 Core construction Rs. 130,00,000/- & incubator Grant Rs. 100,00,000/- is not included
**2012-13 Construction Grant Rs.157,00,000/- is not included
*** The expenditure shown is till 29 Feb 2016
Learning Environment/ Academics

Number and Names Departments/ Disciplines (with opening year)

<table>
<thead>
<tr>
<th>Sr No</th>
<th>Department</th>
<th>Year of opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Biotechnology</td>
<td></td>
</tr>
<tr>
<td>02</td>
<td>Natural Products</td>
<td>2007</td>
</tr>
<tr>
<td>03</td>
<td>Pharmaceutics</td>
<td></td>
</tr>
<tr>
<td>04</td>
<td>Medicinal Chemistry</td>
<td></td>
</tr>
<tr>
<td>05</td>
<td>Pharmaceutical analysis</td>
<td>2010</td>
</tr>
<tr>
<td>06</td>
<td>Pharmacology &amp; Toxicology</td>
<td></td>
</tr>
<tr>
<td>07</td>
<td>Medical Devices</td>
<td>2012</td>
</tr>
</tbody>
</table>

Students

Degrees/programmes offered and Subjects offered (with year) with admission status

<table>
<thead>
<tr>
<th>Level/ Doctoral</th>
<th>Degree/MS/MBA/ M.Tech/Ph.D</th>
<th>Discipline</th>
<th>No.of students admitted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Masters</td>
<td>M.S.</td>
<td>7 Disciplines</td>
<td>36</td>
</tr>
<tr>
<td>Doctoral</td>
<td>Ph. D.</td>
<td>NIL</td>
<td>NIL</td>
</tr>
</tbody>
</table>

Completion rates: Students pass out year wise against capacity and admission at PG, Ph.D, PDF since the beginning

<table>
<thead>
<tr>
<th>Year Batch wise</th>
<th>Masters level</th>
<th>Doctoral level</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Admission</td>
<td>Completion with Year</td>
</tr>
<tr>
<td>2007-09</td>
<td>31</td>
<td>31 (2009)</td>
</tr>
<tr>
<td>2008-10</td>
<td>36</td>
<td>33 (2010)</td>
</tr>
<tr>
<td>2009-11</td>
<td>42</td>
<td>35 (2011)</td>
</tr>
<tr>
<td>2010-12</td>
<td>63</td>
<td>58 (2012)</td>
</tr>
<tr>
<td>2011-13</td>
<td>46</td>
<td>44 (2013)</td>
</tr>
<tr>
<td>2012-14</td>
<td>53</td>
<td>52 (2014)</td>
</tr>
<tr>
<td>2013-15</td>
<td>38</td>
<td>31</td>
</tr>
<tr>
<td>2014-16</td>
<td>36</td>
<td>continued</td>
</tr>
<tr>
<td>2015-17</td>
<td>56</td>
<td>Continued</td>
</tr>
</tbody>
</table>

Note: The institute has 100% pass result for all the batches.
The difference of admission and completion is due to drop out of students for personal reasons or not reporting at all after taking admission in the counselling.

**Teacher-Student ratio:** Presently 1: 8.4 (12 Faculty: 101 students)

**Student Satisfaction surveys and Employers perceptions:**
Student’s satisfaction: Good,
Employers Perception: Training imparted is of reasonably good standard

**Employability/ Placements Status**

Year wise Companies participated in campus selection/placements

<table>
<thead>
<tr>
<th>S.no</th>
<th>Year</th>
<th>List of companies participated</th>
<th>Placement</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2009</td>
<td>Zydus Healthcare, Ranbaxy Labs, Sun Pharmaceuticals</td>
<td>18</td>
</tr>
<tr>
<td>2</td>
<td>2010</td>
<td>Mylan Labs Hyderabad, Cadila Pharma, Troikaa Pharmaceuticals, Intas biopharmaceuticals, Sun Pharmaceuticals, Laila Pharmaceuticals</td>
<td>32</td>
</tr>
<tr>
<td>6</td>
<td>2014</td>
<td>Intas biopharmaceuticals, Sun Pharmaceuticals, Laila Pharmaceuticals, Eris Pharmaceuticals, Alembic pharmaceuticals Piramal Pharmaceutical Development services Pvt Ltd, Vyome Internationala, Zydus Healthcare, Perkin, Amneal Pharmaceuticals, Indegenelifesciences</td>
<td>14</td>
</tr>
<tr>
<td>7</td>
<td>2015</td>
<td>Torrent pharmaceuticals, Zydus Healthcare, INTAS Pharma, Oxygen Healthcare, Relisy, Envision Pvt Ltd.</td>
<td>25</td>
</tr>
</tbody>
</table>

* All figures indicate students placed in campus

**Last 2 years placements status: in campus/off campus**

<table>
<thead>
<tr>
<th>2014 batch</th>
<th>Total No of student</th>
<th>Opted for placement</th>
<th>IN campus</th>
<th>Off campus</th>
<th>Total placement</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE</td>
<td>12</td>
<td>11</td>
<td>6</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>MCD</td>
<td>5</td>
<td>5</td>
<td>2</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>NP</td>
<td>9</td>
<td>9</td>
<td>0</td>
<td>4</td>
<td>4</td>
</tr>
</tbody>
</table>
Ranking by Subject if any: First preference of students is Pharmaceutics

Teachers
Recognition to Faculty: Sardar Patel University has recognised two faculty as Ph.D. guides
Peer review system: Not in force, To be implemented in near future

Research

Active Research Areas

Department of Biotechnology:
Generation of induced Pluripotent Stem Cells (iPSCs)
Pharmacogenetics studies and population based genome analyses
Proteomics and genomics biomarkers for secondary complications of DM
Targeted drug delivery using nanoparticles, to overcome chemoresistance and prevention of relapse by Cancer Stem Cells (CSCs) re-differentiation

Department of Natural Products:
TOS based development of NCEs of natural scaffolds against MDR-TB
Lead based design and development of NCEs of natural pharmacophores
DOS of small molecules as anti-HIV, anti-Alzheimer’s and anti-inflammatory
Molecular docking and Structure Activity Relationship (SAR study) of NCEs
Discovery of new natural products as anticancer and neuroprotective leads
Development of National repository of secondary metabolites
Development and standardization of herbal formulations
Development of pharmacokinetic profile of plant extracts
Screening of standardized plant extracts for cytochrome p- 450 mediated herb-drug interaction potential.
Department of Pharmaceutics:
Development of specialized delivery systems including Taste masked formulation, Pellets, Microneedle, Transdermal, SLN, NLC and SMEDDS
Physical characterization of pharmaceuticals
Identification and formulation of novel adjuvants and compatibility screening
Formulation development and stability of biotherapeutic agents
Targeted lymphatic delivery system for Cancer, Leishmaniasis and HIV
Solubility enhancement using nanocrystallization, complexation & co-crystallization
Nanotechnology based drug delivery system targeting brain
Formulation development of solid orals using Quality by Design (QbD)

Department of Pharmaceutical Analysis:
Analytical and bioanalytical method development and validation using traditional and Quality by Design (QbD) approaches
Use of micro-extraction techniques in simultaneous determination of drugs
Pharmacokinetic studies of drugs and metabolites
Impurity profiling of drug substances
Forced degradation studies and characterization of degradation products
Pre-formulation (physicochemical parameters & excipient compatibility) studies
Secondary metabolite profiling of herbal products

Department of Medicinal Chemistry:
Design and synthesis of target compounds: thiazoles, thiophenes, benzimidazoles as anti-inflammatory, anticancer and anti-diabetic agents
Synthesis of neuroprotective molecules and their PK & PD studies
Computer aided drug designing and study of Structure activity relationship
Design and synthesis of target compounds as anticancer and DPP-IV inhibitor
Ionic liquid mediated C-C and C=C bond forming reactions
Synthesis of Bax activating molecules to drag cancerous cells towards apoptosis

Department of Pharmacology and Toxicology:
Control diabetes mellitus and its complications especially nephropathy
Development of immunosuppressive human xenograft mice model
Neuroprotection against cerebral ischemia, traumatic brain injury, alzheimer’s, etc
Pharmacological screening of synthetic and herbal products
Behavioural studies on learning & memory, depression and anxiety
PK&PD and bioavailability studies of herbal drugs
Absorption Digestion Metabolism Excretion (ADME) and toxicological studies
In-vitro and in-vivo correlation

Department of Medical Devices:
Research on osteoconductive coating materials for bone tissue engineering
Studies on anti-proliferative and antithrombotic coatings for polymer
Development of polymer based implants for peripheral nerve regeneration
Synthesis of nanofibres of biomaterials for various application like bone regeneration, nano coating and support for skin regeneration.
Surface modification of nanomaterials for biomedical applications
Fabrication of artificial cornea and contact lens with newer approach
Synthesis of magnetic nanoparticles for diagnostics and therapeutic applications
Chemical modification of polymers for thrombo-resistive blood bags and catheters
Development of microbe resistant polymer for hospital beds

Research Publications/ Institution and per Faculty and High Impact factor
1. Shah Viral, Nair Anu, ChaudhariDashrath;”A concise review on carbon nanotube as a novel approach for vaccine delivery; world journal of Pharmaceutical Research; 2015, 4(6);698-713
2. Shah Viral, Raval Nidhi, JethwaAmruta, “A concise review on drug delivery through inner ear: emphasis


**Awards**

**Best Poster Award:** Bhavik Kansara, Anita Mahapatra, Y. Venkat Raju, Lakshmi S. Glucose uptake activation in muscle cell line (C2C12) by Cassia auriculata. National conference on Herbal drugs: opportunities and challenges 5-7 Nov, 2014

**Gufic prize:** Dilawar Uphadhayay, Sheetal Anandjiwala, Harish Padh, Manish Nivsarkar. In-vivo pharmacokinetic and metabolism of Picroside I and II from Kutkin in rat plasma. at Indian pharmacological society conference 28-30 December, 2014

**Competitive Research Grants**

Source of Support: Department of Biotechnology (DBT)
- Project/Proposal Title: Development and Clinical Evaluation…. Tuberculosis
  Collaborator: AIIMS, New Delhi
  Principal Investigator: Prof. C. J. Shishoo

Source of Support: Department of Biotechnology (DBT)
- Project/Proposal Title: Synthesis and Development of …. Inhibitors
  Collaborator: IIIM, Jammu
  Principal Investigator: Dr. Anita Mahapatra
  Co-Investigator: Dr. Neelam Chauhan
  Co-Investigator: Dr. Inshad Ali Khan

Source of Support: Department of Biotechnology (DBT), Inspire fellowship
- Project/Proposal Title: In-situ gelling mucoadhesive system…. Pgp inhibition
  Principal Investigator: Dr. Manju Misra

Source of Support: Department of Biotechnology (DBT), RGYI
- Project/Proposal Title: Design of Oral delivery system…. penetration enhancer
  Principal Investigator: Dr. Manju Misra

**Research Student Completions:** None

**Eminent Alumni:** None
Land and Civil Works if any
Land availability issues/challenges and alternatives: Lease agreement of 60 acres of land was signed on 08 Dec 2008 and Possession of the land was given on 06 Apr 2009

Campus development / Civil Work progress if any
PMC name: HSCL
- Date of approval of Designs & Drawings: 30 Dec 2014 by Steering Committee
- Date of approval of Bill of Quantities: 17 Sep 2015 steering committee approved the BOQ for phase-I
- Phase of construction: Steering Committee approved the BOQ of phase-I and estimated cost for construction of for phase-I & II. (Phase-II and III have been merged and made Phase-II)

Infrastructure: Central facilities/ Centres etc.
- A. Ex. Central Instrumentation laboratory/ Center for pharmaceutical nanotechnology/ Computer center/National toxicology center/Library and information center/ Technology development center/Central animal facility/Impurity profiling and stability testing laboratory/National bioavailability center/National center for safety pharmacology/National center for pharmacokinetics/ Upcoming facilities etc.
- NIPER Ahmedabad has been given mandate to establish National Centre for Medical Devices.
- National Centres if any: National Centre for Medical Devices

Academia-Industry partnership
During Visitors Conference from 04-06 Nov 2015, MOUs were signed with Following Industries:

Cadila Pharmaceuticals
Objectives:
- Research collaboration in the identified areas of mutual interest
- Exchange of scientific personnel for Education and Training

Zydus Healthcare Limited
Objectives:
- Research collaboration in the identified areas of mutual interest
- Exchange of scientific personnel for Education and Training

Sahjanad Laser Technologies
Objectives:
- Curriculum revision/ Development
- Internship/Project Work and Partnership in Dissertations

Johnson & Johnson
Objectives:
- Curriculum revision/ Development
- Internship/Project Work and Partnership in Dissertations

Hindustan Antibiotics Limited
Objectives:
- To provide opportunities of internship / project work to NIPER PGP students at manufacturing site.
To provide career growth opportunities
Innovation / knowledge transfer

**Patents and Commercialization:** 07 Patents have been filed where faculty or student of NIPER Ahmedabad is involved.

**Research income earned from industry:** NIL

Citation per faculty:

<table>
<thead>
<tr>
<th>Name of the faculty</th>
<th>Citation</th>
<th>h index</th>
<th>i10 index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Kiran Kalia</td>
<td>755</td>
<td>15</td>
<td>19</td>
</tr>
<tr>
<td>Dr D D Singh</td>
<td>100</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Dr. Anita Mahapatra</td>
<td>592</td>
<td>11</td>
<td>13</td>
</tr>
<tr>
<td>Dr. Vinod Jairaj</td>
<td>49</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>Dr. Neelam Chauhan</td>
<td>443</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Dr. Manju Misra</td>
<td>32</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>Dr. Mukty Sinha</td>
<td>6</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Dr. Govinda Kapusetti</td>
<td>39</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Dr. Viral Shah</td>
<td>204</td>
<td>9</td>
<td>7</td>
</tr>
<tr>
<td>Dr. Shankar Katekhaya</td>
<td>58</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>Dr. Anurag Maheshwari</td>
<td>19</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Dr. Bhagyashree Kamble</td>
<td>41</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>Dr. Amit Shard</td>
<td>104</td>
<td>6</td>
<td>4</td>
</tr>
</tbody>
</table>

**Collaboration:** With National and International Institutions:
MOUs entered into with following Pharmaceutical Industries:
Zydus Healthcare, Ahmedabad
Cadila Pharmaceuticals, Ahmedabad
Johnson & Johnson, Mumbai
Sahjanand Laser technology ltd, Gandhinagar
Hindustan Antibiotics Limited, Pune
Indian Institute of Integrative Medicine(IIMM), Jammu

**Collaboration/partnership with International Institutions :** NIL

**Impact of NIPER Total:** 218.245

**Third party Evaluation if any :** NIL
<table>
<thead>
<tr>
<th>Date</th>
<th>Activity name</th>
<th>Target group</th>
<th>Sponsored by</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>04 July</td>
<td>One day seminar on Academia Industry Linkage</td>
<td>Faculty &amp; Students</td>
<td>Institute</td>
<td>Secretary, DOP was the Chief Guest</td>
</tr>
<tr>
<td>2015</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15 Aug</td>
<td>Independence Day</td>
<td>Faculty &amp; Students</td>
<td>Institute</td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24 Aug</td>
<td>One Day Seminar on Flow Cytometary</td>
<td>Faculty &amp; Students</td>
<td>In Collaboration with B D Bioscience</td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>01 Sep- 15</td>
<td>Hindi Pakhwada</td>
<td>Faculty &amp; Students</td>
<td>Institute</td>
<td></td>
</tr>
<tr>
<td>Sep 15</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>02 Oct</td>
<td>SwachataAbhiyan</td>
<td>Faculty &amp; Students</td>
<td>Institute</td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18 Oct</td>
<td>2nd Alumni meet</td>
<td>Students, Alumni and Faculty</td>
<td>Institute</td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19 Oct</td>
<td>3rd Convocation</td>
<td>Students, Alumni and Faculty</td>
<td>Institute</td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>26 Oct-31</td>
<td>Vigilance Awareness week</td>
<td>Faculty &amp; Students</td>
<td>Institute</td>
<td>Address by Chief Manager SBI , Drive in Road branch</td>
</tr>
<tr>
<td>Oct 2015</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16 Dec</td>
<td>Foundation Stone Laying Ceremony</td>
<td>Faculty, Students, Guests from Central Govt, State Govt, Industries and other educational Institutions like IITs, Central Universities, NIPERs etc.</td>
<td>Institute</td>
<td>Foundation Stone Laid By Hon’ble Union Minister for C &amp; F Shri Ananth Kumar and Hon’ble CM of Gujarat Smt Anandiben Patel in presence of Hon’ble MOS for C &amp; F Shri HansrajGangaramAhi r, Shri Nitin Patel , Minister for Health &amp; Family Welfare GOG, Shri Bhupendra Singh Chuddasma ,Education Minister GOG &amp; Dr Ariz</td>
</tr>
<tr>
<td>2016</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td>Event</td>
<td>Attendees</td>
<td>Location</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------</td>
<td>-------------------</td>
<td>-------------</td>
<td></td>
</tr>
<tr>
<td>26 Jan 2016</td>
<td>Republic day Celebration</td>
<td>Faculty &amp; Students</td>
<td>Institute</td>
<td></td>
</tr>
<tr>
<td>26 Jan 2016</td>
<td>Sports day celebration</td>
<td>Faculty &amp; Students</td>
<td>Institute</td>
<td></td>
</tr>
<tr>
<td>29 Jan 2016</td>
<td>Seminar on Advances in Therapeutics</td>
<td>Faculty &amp; Students</td>
<td>Institute</td>
<td></td>
</tr>
</tbody>
</table>

Dr C L Kaul, Founder Director of NIPER Mohali was Chief Guest and Speaker for Plenary Lecture

Photographs:

### Institute / Infrastructure

![Institute/Infrastructure Image 1](image1)

![Institute/Infrastructure Image 2](image2)

### Faculty and Students

![Faculty and Students Image](image3)
Dr. V. K. Subburaj, Secretary Dept of Pharmaceuticals visited NIPER-Ahmedabad on 4th July 2015 and was chief guest for one day seminar on “Academia Industry Symbiosis, exploring new horizons for Indian Pharma”. He also visited NIPER Ahmedabad construction site at Gandhinagar.
Hindi Pakhwada/Swatch Bharat/ National Integration Day


Ganesh Utsav

2nd Alumni meet: 18th Oct 2015
Vigilance Awareness week (26-31 Oct 2015)

MOUs during visitor’s conference : 4th- NOV 2015

Seminar on Flow Cytometry (24 Aug 2015)
Foundation Stone Laying Ceremony : 16th December 2015

26th January 2016 – Republic Day at our NIPER Gandhinagar Site
Seminar on Advances in Therapeutics on 29th Jan 2016