



**HEMCHANDRACHARYA  
NORTH GUJARAT UNIVERSITY**

***ANNUAL QUALITY ASSURANCE REPORT (AQAR)  
2015-16***

**HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN- 384 265**

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PATAN 384 265

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## Part – A

### 1. Details of the Institution

**1.1 Name of the Institution** : Hemchandracharya North Gujarat  
University, Patan

#### 1.2 Address Line 1

Address Line 2 : University Road

City/Town : Patan

State : Gujarat

Pin Code : 384265

Institution e-mail address : regi@ngu.ac.in,  
naachngu@gmail.com

Contact Nos. : 91 2766 230743

Name of the Head of the Institution : Dr. Dharmendra M. Patel

Tel. No. with STD Code: : 91 2766 230743

Mobile: : 9898558890

Name of the IQAC Coordinator : Dr. S. A. Bhatt

Mobile : 9723615324

IQAC e-mail address : sabhatt9@gmail.com

**1.3 NAAC Track ID (For ex. MHCOGN 18879)** : GJUNGN10138

**1.4 NAAC Executive Committee No. & Date** : EC(SC)/12/A&A/38.2  
Date : 19/02/ 2016

*(For Example EC/32/A&A/143 dated 3-5-2004.  
This EC no. is available in the right corner-  
bottom of your institution's Accreditation  
Certificate)*



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**1.5 Website address:** : [www.ngu.ac.in](http://www.ngu.ac.in)

Web-link of the AQAR: <http://www.ngu.ac.in/IQAC/IQAC%20REPORTS.htm>

**Accreditation Details**

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	B	2.55	2008	2013
2	2 <sup>nd</sup> Cycle	-	-	-	-
3	3 <sup>rd</sup> Cycle	-	-	-	-
4	4 <sup>th</sup> Cycle	-	-	-	-

**Date of Establishment of IQAC:DD/MM/YYYY**

**AQAR for the year (for example 2010-11)**

**Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)**

- i. AQAR : 2008 -2009 (DD/MM/YYYY)
- ii. AQAR : 2009-2010 (DD/MM/YYYY)
- iii. AQAR : 2010-2011 08/12/2014\_\_\_\_\_ (DD/MM/YYYY)
- iv. AQAR : 2011-2012 08/12/2014\_\_\_\_\_ (DD/MM/YYYY)
- v. AQAR : 2012-2013 08/12/2014\_\_\_\_\_ (DD/MM/YYYY)
- vi. AQAR : 2013-2014 08/12/2014\_\_\_\_\_ (DD/MM/YYYY)

**Institutional Status**

University **State**  **Central**  **Deemed**  **Private**

Affiliated College **Yes**  **No**

Constituent College **Yes**  **No**

Autonomous college of UGC **Yes**  **No**

Regulatory Agency approved Institution **Yes**  **No**

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution **Co-education**  **Men**  **Women**



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Urban  Rural  Tribal

Financial Status Grant-in-aid  UGC 2(f)  UGC 12B

Grant-in-aid + Self Financing  Totally Self-financing

**Type of Faculty/Programme**

Arts  Science  Commerce  Law  PEI (PhysEdu)

TEI (Edu)  Engineering  Health Science  Management

Others (Specify)

Social Science, Rural studies, Home Science, Medicine, Pharmacy

Name of the Affiliating University (for the Colleges)

Not applicable

**Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc.**

Autonomy by State/Central Govt. / University

University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

any other (Specify)

UGC-COP Programmes



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## 2. IQAC Composition and Activities

No. of Teachers	<input type="text" value="09"/>
No. of Administrative/Technical staff	<input type="text" value="01"/>
No. of students	<input type="text" value="00"/>
No. of Management representatives	<input type="text" value="07"/>
No. of Alumni	<input type="text" value="03"/>

2. 6 No. of any other stakeholder and

community representatives

No. of Employers/ Industrialists

No. of other External Experts

Total No. of members

No. of IQAC meetings held

No. of meetings with various stakeholders:

No.  Faculty

Non-Teaching Staff Students

Alumni  Others

Has IQAC received any funding from UGC during the year?

Yes  No

If yes, mention the amount

Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.

International  National  State  Institution Level

(ii) Themes



### Significant Activities and contributions made by IQAC

Criteria	Achievements
<b>Curricular Aspects</b>	<ul style="list-style-type: none"><li>▪ Career Oriented course Advance Diploma in Banking and Insurance started in Faculty of Management</li></ul>
<b>Teaching, Learning and Evaluation</b>	<ul style="list-style-type: none"><li>▪ Central Government Recruitment Study centre (SPIPA) started for students who aspire to join class 1, 2 services in central government, banking sector and SSC exams.</li><li>▪ India Today Institutions Rankings 2014 has ranked HNG University at 30 in India among all institutes of higher education on basis of Reputation, Quality of academic input, Student care, Infrastructure, Job prospectus, Faculty, Research publication, Innovation and governance.</li></ul>
<b>Research, Consultancy and Extension</b>	<ul style="list-style-type: none"><li>▪ Totals six projects of Rs. 31,56,117/- were sanctioned by various funding agencies to university teachers in different departments.</li></ul>
<b>Infrastructure and Learning Resources</b>	<ul style="list-style-type: none"><li>▪ University has started process for establishing its new WAN with 1 GBPS Bandwidth using fibre optic connectivity.</li><li>▪ University has received Rs. 10 crore maintenance grant from state government for up gradation and strengthening university departments and buildings (work in process)</li></ul>
<b>Student Support and Progression</b>	<ul style="list-style-type: none"><li>▪ Introduction of skill &amp; trade oriented courses by Career Counselling cell for better employability of students.</li><li>▪ Coaching batches were organized for UGC NET and SLET General Paper and in special subject as per the requirement. NET qualified and other experts were invited during the year to benefit the students. More than 52 students from reserved category were benefited.</li><li>▪ The student welfare board has organized sixteen different types of camps for the welfare, growth and all round development of the student's personality.</li></ul>
<b>Governance, Leadership and Management</b>	<ul style="list-style-type: none"><li>▪ During assessment year 12 meeting of Executive council, 4 meeting of Academic council, 4 meeting of Finance committee, 1 meeting of BUTR, 1 meeting of Joint Consultative Committee conducted.</li></ul>
<b>Innovation Practice</b>	<ul style="list-style-type: none"><li>▪ Initiated the process of procuring smart board for making smart classrooms.</li></ul>



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### **Plan of Action by IQAC/Outcome**

The plan of action prepared out by the IQAC in the beginning of the year towards quality Enhancement and the outcome achieved by the end of the year

#### **Plan of Action**

- Institutional performance was analysed against the NAAC peer team report 2008 and previous year AQAR report and activity were initiated in respective domain for quality improvement
- Feedback data collection for quality enhancement in teaching.
- SWOC analysis by all departments.





## Part – B

### Criterion – I

#### 1. Curricular Aspects

##### Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
Ph.D.	30	-	-	-
PG	42	01	24	-
UG	45	-	24	-
PG Diploma	07	-	07	-
Advanced Diploma	04	-	-	-
Diploma	-	-	-	-
Certificate	06	0	05	-
Others	-	-	-	-
<b>Total</b>	134	1	60	-
Interdisciplinary	24	00	29	-
Innovative	-	-	-	-

##### (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

Semester system was started for all post graduate courses

##### (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	All Programmes
Trimester	-
Annual	-

Feedback from stakeholders\*Alumni  
(On all aspects)

Parents  Employers  Students

Mode of feedback:

Online  Manual Co-operating schools (for PEI)

\*Please provide an analysis of the feedback in the Annexure: see appendix II

Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Arts – (M.A - Political Science), Management studies - M.C.A, Medicine - Physiotherapy

Any new Department/Centre introduced during the year. If yes, give details.

No



## Criterion – II

### 2. Teaching, Learning and Evaluation

Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
Granted	29	14	7	4	4
Self-Financed	37	22	1	1	13
<b>Total</b>	<b>66</b>	<b>36</b>	<b>8</b>	<b>5</b>	<b>17</b>

No. of permanent faculty with Ph.D.

21

No. Adhoc faculty with Ph.D.

20

No. of Faculty Positions Recruited (R) and Vacant (V) during the year

	Asst. Professors		Associate Professors		Professors		Others		Total	
	R	V	R	V	R	V	R	V	R	V
Granted	-	8	-	10	-	7	-	-	-	25
Self-financed	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>-</b>	<b>8</b>	<b>-</b>	<b>10</b>	<b>-</b>	<b>7</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>25</b>

No. of Guest and Visiting faculty and Temporary faculty

03

119

-

Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	4	8	4
Presented papers	6	19	2
Resource Persons	0	0	0

(Refer Appendix: III and IV for further details)

Innovative processes adopted by the institution in Teaching and Learning:

Field based experiments were conducted and animation during lecture were incorporated In Department of BioTechnology  
Mock Drill, Safety Audit Programme was conducted in PGDIS

Total No. of actual teaching days during this academic year

184 Days



**Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, and Online Multiple Choice Questions)**

Bar Coding on answer sheets introduced in under graduate programme in faculty science.

**No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop**

17

**Average percentage of attendance of students**

70%

**Course/Programme wise distribution of pass percentage:**

Sr.	Course	Appearing in exam	Passing the exam	Detained (failed)	Securing distinction	Ist class holders	IIInd class holders	Pass class holders	Gold Medalists
<b>Department of Sanskrit &amp; Bharatiya Vidya</b>									
1.	M.A.I	39	39	01	25	09	04	-	
2.	M.A.III	32	32	02	25	01	01	03	
3.	M.Phil	14	14	-	14	-	-	-	
4.	P.G.Certi. Course in Prakrit	03	03	01	02	-	-	-	
<b>Department of English</b>									
1.	M.A.I	13	13	-	-	06	05	02	-
2.	M.A.III	18	18	-	01	11	06	01	-
3.	M.Phil.	12	12	-	01	11	-	-	-
<b>Department of Commerce &amp; Management</b>									
1.	M.B.A.	54	54	-	01	12	41	-	
<b>Department of Chemistry</b>									
1.	M.Sc. Sem-II	65	43	22	-	-	-	43	-
2.	M.Sc. Sem-IV	88	64	24	-	34	-	30	-
3.	M.Phil	15	15	-	-	-	-	15	-
<b>Department of Mathematics</b>									
1.	M.Sc. Sem -I	59	11	48	01	05	05	-	-
2.	M.Sc. Sem -III	38	23	15	02	16	05	-	-
3.	M.Sc. Sem -II	53	23	30	06	16	01	-	-
4.	M.Sc. Sem -IV	54	19	35	03	16	-	-	-
<b>Department of Life-Science</b>									
1.	M. Sc II	42	41	01	06	10	20	05	-
2.	M. Sc IV	40	37	03	08	24	03	02	-
3.	M. Sc I	44	37	07	08	15	07	14	-
4.	M. Sc III	41	36	05	02	28	03	03	-
5.	PGDMLT I	15	15	-	03	-	-	12	-
6.	PGDMLT II	15	14	01	03	-	-	11	-



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7.	PGDD I	02	02	-	01	01	-	-	-
8.	PGDD II	02	02	-	-	02	-	-	-
9.	PGIS I	18	18	-	-	18	-	-	-
10.	PGIS II	18	18	-	01	17	-	-	-
<b>Department of Physics</b>									
1.	M.Sc Sem I & III	40	34	06	-	34	-	-	-
2.	M.Sc Sem II & IV	40	34	06	-	34	-	-	-
<b>Department of Biotechnology</b>									
1.	M.Sc. Sem.-IV (Mar-June 2014)	10	10	-	05	04	01	-	-
2.	M.Sc. Sem.-I (Oct-Dec 2014)	03	03	-	02	01	-	-	-
3.	M.Sc. Sem.-III (Oct-Dec 2014)	10	10	-	06	03	01	-	-
4.	M.Sc. Sem.-II (Mar-June 2015)	03	03	-	02	01	-	-	-
5.	M.Phil. Sem.-I (Oct-Dec 2014)	33	32	01	09	20	03	-	-
6.	M.Phil. Sem.-II (Mar-June 2015)	33	24	09	11	12	01	-	-
<b>Department of Hospital Management</b>									
1.	MHM 4 <sup>th</sup>	27	27	-	-	11	14	02	-
2.	MHM 3 <sup>rd</sup>	27	27	-	02	15	10	-	-
3.	MHM 1 <sup>st</sup>	32	32	-	-	21	11	-	-
<b>Institute of Architect</b>									
1.	B. Arch.- I	41	40	01	12	21	07	-	-
2.	B. Arch.- II	40	40	-	10	22	08	-	-
3.	B. Arch.- III	39	38	01	13	15	10	-	-
4.	B. Arch.- IV	56	56	-	-	26	30	-	-
5.	B. Arch.- V	76	76	-	23	22	27	03	01
<b>Department of Education</b>									
1.	M.A.III	28	28	-	26	02	-	-	-
2.	M.A.I	16	16	-	-	-	-	16	-
3.	M.Ed.	23	23	-	19	04	-	-	01
4.	M.Phil.	16	16	-	13	03	-	-	-
<b>Department of Law</b>									
1.	LL.M. Sem.-I	91	76	15	-	-	-	76	-
2.	LL.M. Sem.-III	87	82	05	-	-	-	87	-
3.	LL.M. Sem.-II	94	90	04	-	-	90	-	-
4.	LL.M. Sem.-IV	81	81	-	-	53	01	27	01



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5.	M.Phil. Sem.-I	18	18	-	-	18	-	-	-
6.	M.Phil. Sem.-II	17	17	-	-	17	-	-	-
<b>Department of Physical Education</b>									
1.	B.P.Ed.-I	14	14	-	-	14	-	-	-
2.	M.P.Ed.-I	30	30	-	-	30	-	-	-
3.	M.Phil.-I	20	20	-	-	20	-	-	-
<b>Department of Social Work</b>									
1.	BSW	70	68	04	02	18	02	44	-
2.	MSW	106	103	04	14	30	-	58	-
<b>Department of Computer Science and R.J.Computer Center</b>									
1.	MCA SEM-I (INT)	26	17	09	03	04	06	04	-
2.	MCA SEM-II (INT)	16	13	03	06	03	04	01	-
3.	MCA SEM-I	18	04	14	01	01	02	-	-
4.	MCA SEM-II	11	08	03	-	-	-	08	-
5.	MCA SEM-III	147	126	21	13	45	52	16	-
6.	MCA SEM-IV	38	27	11	-	-0	-0	27	-
7.	MCA SEM-V	119	108	11	05	28	52	23	-
8.	MSCIT-1	92	54	38	11	12	27	04	-
9.	MSCIT-2	19	14	05	-	-	-	14	-
10.	MSCIT-3	70	65	05	07	15	35	09	-
11.	MSCIT-4	15	10	05	-	-	-	10	-
12.	MSCIT-5	171	151	20	22	43	54	32	-
13.	MSCIT-6	06	01	02+03	-	-	-	01	-
14.	MSCIT-7	114	108	06	35	50	23	-	-
15.	MSCIT-8	03	02	01	-	-	-	02	-
16.	MSCIT-9	104	104	-	23	55	22	02	-
<b>S.K.College of Business Management (B.B.A.)</b>									
1.	BBA SEM-I	44	18	26	0	03	04	11	-
2.	BBA SEM -3	56	54	02	07	23	16	08	-
3.	BBA SEM-5	53	30	23	-	05	03	22	-
4.	BBA SEM-2	48	24	24	-	06	03	15	-
5.	BBASEM-4	36	23	13	03	05	07	08	-
6.	BBA SEM-6	50	46	04	11	14	01	20	-



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7.	BCOM SEM-I	142	55	87	04	14	21	16	-
8.	BCOM SEM -3	47	38	09	05	09	14	10	-
9.	BCOM SEM-2	117	67	50	04	22	17	24	-
10.	BCOM SEM-4	47	36	11	08	16	11	01	-
<b>Department of Journalism &amp; Mass Communication</b>									
1.	MJMC-1	14	13	-	-	02	08	01	-
2.	MJMC-3	09	03	-	-	03	02	04	-
<b>Department of Library &amp; Information Science</b>									
1.	B.Lib.	16	16	-	08	06	02	-	-
2.	M.Lib.	20	20	-	06	14	-	-	-
3.	M.Phil.	12	10	02	08	02	-	-	-
<b>Department of Pharmaceutical Sciences</b>									
1.	M.Pharm Sem-III (Oct-Dec 2014)	06	06	-	06	-	-	-	-
2.	M.Pharm Sem-II (Mar-June 2015)	11	11	-	10	01	-	-	-
3.	M.Pharm Sem-IV (Mar-June 2015)	06	06	-	05	01	-	-	-
<b>Yoga Center</b>									
1.	D.Y.Ed	09	06	03	-	-	-	-	-
2.	P.G.D.Y.Ed.	02	02	-	01	01	-	-	-
<b>Centre of Astrology</b>									
1.	1 <sup>st</sup> Year Jyotignata	49	39	10	06	16	12	05	-
2.	2 <sup>nd</sup> Year Jyotibhusan	43	33	10	07	08	15	03	01
3.	3 <sup>rd</sup> Year Jyotialankar	08	07	01	02	02	02	01	-
<b>M.Phil. in Gujarati Center</b>									
1.	M.Phil.	29	29	-	29	-	-	-	-
<b>M.Phil. in Hindi Center</b>									
1.	M.Phil.	27	25	02	25	-	-	-	-
<b>M.Phil. in History Center</b>									
1.	M.Phil.	21	20	01	11	09	-	-	-
<b>M.Phil. in Sociology Center</b>									
1.	M.Phil.	24	24	-	24	-	-	-	-
<b>M.Phil. in Psychology Center</b>									
1.	M.Phil.	11	10	01	09	01	-	-	-
<b>M.Phil. in Commerce Center</b>									
1.	M.Phil.	20	16	04	05	11	-	-	-
<b>M.Phil. in Economics Center</b>									
1.	M.Phil.	21	21	21	-	-	-	-	-



### How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- Preparation for NAAC reaccreditation initiated.
- IQAC has carried out various activities to for Quality Maintenance and enhancement on campus.
- Data collection was done and AQAR report for the last academic year was prepared.
- AQAR Output of last academic year was analyzed and improvement plan was prepared and implemented.

### Initiatives undertaken towards faculty development

Faculty / Staff Development Programs	Number of faculty benefitted
Refresher courses	1
UGC – Faculty Improvement Programme	1
HRD programmes	-
Orientation programmes	0
Faculty exchange programme	-
Staff training conducted by the university	0
Staff training conducted by other institutions	0
Summer / Winter schools, Workshops, etc.	-
Others	5

(Refer Appendix: V for further details)

### Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	93	35	-	226*
Technical Staff	-	-	-	13

\* Out Sourced



## Criterion – III

### 3. Research, Consultancy and Extension

#### Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

**One day workshop on Rashtriya Uchcharat Shiksha Abhiyan (RUSA)**

Date: 16/01/2014

#### Details regarding major projects

	Completed	On-going	Sanctioned	Submitted
Number	3	10		
Outlay in Rs.	2485077	10521340		

(Refer Appendix: VI for further details)

#### Details regarding minor projects

	Completed	On-going	Sanctioned	Submitted
Number	3	2		
Outlay in Rs.	289000	230000		

(Refer Appendix: VII for further details)

#### Details on research publications

	International	National	Others(State)
Peer Review Journals	45	18	1
Non-Peer Review Journals	0	0	0
e-Journals	0	0	0
Conference proceedings	0	0	0

(Refer Appendix: VIII for further details)

#### Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS

#### Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	3 Years	GSBTM, ISRO	40,92,540	
Major projects	2 Years	UGC	12,48,000	
Major projects	1 Year	SSA, Gandhinagar	7,57,777	
Minor Projects	1 Year	UGC	1,30,000	
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-





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Projects sponsored by the University/ College	-	-	-	-
Students research projects <i>(other than compulsory by the University)</i>	-	-	-	-
Any other(Specify)	-	-	-	-
Total	-	-	62,28,317	-

No. of books published i) With ISBN

No. Chapters in Edited Books

ii) Without ISBN No.

**No. of University Departments receiving funds from**

UGC-SAP	<input type="text" value="-"/>	CAS	<input type="text" value="-"/>	DST-FIST	<input type="text" value="-"/>
DPE	<input type="text" value="-"/>			DBT Scheme/funds	<input type="text" value="1"/>
For colleges					
Autonomy	<input type="text"/>	CPE	<input type="text"/>	DBT Star Scheme	<input type="text"/>
INSPIRE	<input type="text"/>	CE	<input type="text"/>	Any Other (specify)	<input type="text"/>

Revenue generated through consultancy

<b>No. of conferences Organized by the Institution</b>	Level	International	National	State	University	College
	Number	0	1	3	4	-
	Sponsoring agencies	Refer Appendix: IX				

No. of faculty served as experts, chairpersons or resource persons  Refer Appendix: IV

No. of collaborations International  National  Any other

No. of linkages created during this year

**Total budget for research for current year in lakhs :**

From funding agency	<input type="text" value="62.28"/>	From Management of University/College	<input type="text" value="00.00"/>
Total	<input type="text" value="62.28"/>		



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**No. of patents received this year**

Type of Patent		Number
National	Applied	-
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

**No. of research awards/ recognitions received by faculty and research fellows of the institute in the year**

Total	International	National	State	University	Dist	College
-	-	-	-	-	-	-

**No. of faculty from the Institution**

25

**who are Ph.D.Guides**

**and students registered under them**

151

**No. of Ph.D. awarded by faculty from the Institution**

10

**No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)**

JRF

-

SRF

-

Project Fellows

-

Any other

-

**No. of students Participated in NSS events:**

University level

436

State level

731

National level

37

International level

-

**No. of students participated in NCC events:**

University level

-

State level

-

National level

-

International level

-

**No. of Awards won in NSS:**

University level

-

State level

-

National level

-

International level

-

**No. of Awards won in NCC:**

University level

-

State level

-

National level

-

International level

-



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### No. of Extension activities organized

University forum	01	College forum	-
NCC	-	NSS	03
		Any other	24

### Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

Sr.	Title of Activity	Date of activity	Level of Event	Organized by	Sponsored by	Brief detail of Extension Activity
<b>Department of Biotechnology</b>						
1.	ONE DAY SEMINAR ON ANIMAL DNA BARCODING CURRENT STATUS, TRENDS AND PROSPECTS	17/01/2015	National	Dept. of Biotechnology, HNGU, Patan	GSBTM, Gandhinagar, Gujarat	Mainly focused on DNA barcode research in India
<b>Yoga Center</b>						
1.	Prarambhik Yoga Shibir	14/02/2015 to 20/02/2015	Local		Goghat High Scholl, Goghat	Yoga Center
		23/02/2015 to 27/02/2015	Local		Dhummad Prim. School, Dhummad	Yoga Center
		21/01/2015 to 25/01/2015	Local		Nima Vidhyalaya, Materwadi	Yoga Center
		09/02/2015 to 13/02/2015	Local		Prim. HighSchool, Moditri	Yoga Center
		01/01/2015 to 05/01/2015	Local		Lalbahadur Shashtri Vidhyalay, Vadodara	Yoga Center
		09/03/2015 to 12/03/2015	Local		Patel H.Z.Sarvajanik High School, Ruvavi	Yoga Center
		12/02/2015 to 16/02/2015	Local		Adarsh High School, Shipor	Yoga Center
		2.	Health Related Yoga Shibir	03/02/2015 to 08/02/2015	Local	
17/02/2015	Local				Hanuman Temple,	Yoga



		to 22/02/2015			Dummad	Center
		01/03/2015 to 07/03/2015	Local		Nima Girl's Hostel, Materwadi	Yoga Center
		09/02/2015 to 13/02/2015	Local		Gram Pachayat Sarvajanic Clinic, Koita	Yoga Center
		08/03/2015 to 16/03/2015	Local		Jay Bharati Vidhyalal, Sander	Yoga Center
		03/02/2015 to 09/02/2015	Local		Dhanjay Society, Vadodara	Yoga Center
		16/03/2015 to 20/03/2015	Local		Gram Panchayat, Ruvavi	Yoga Center
		05/03/2015 to 08/03/2015	Local		Customer Care & Research Center, Idar	Yoga Center
3.	Yoga Demonstration Programme	13/03/2015	Local		Adarsh Primary School, Ruvavi	Yoga Center
		18/03/2015	Local		Kamana Primary School, Kamana	Yoga Center
		12/12/2015	Local		Ramkrishna Mission School, Karnarpukar	Yoga Center
		08/03/2015	Local		C.R.C. School, Mehthan	Yoga Center
		06/02/2015	Local		Anupam Primary School, Modotri	Yoga Center
		20/03/2015	Local		Primary School, Koita	Yoga Center
		04/02/2015	Local		Primary School, Moditri	Yoga Center
		11/03/2015	Local		Lalbahaddur Shastri Primary School, Vadodara	Yoga Center



## Criterion - IV

### 4. Infrastructure and Learning Resources

Details of increase in infrastructure facilities:

Sr.	Facilities	Existing	Newly created	Source of Fund
1.	Campus area in Sqm. (Infra.)	46131.00	1688.00	237.86 lacs State Govt.
2.	Class Rooms in No.	112.00	-	-
3.	Laboratories in No.	103.00	-	-
4.	Seminar Halls in No.	6.00	-	-
5.	No. of important equipment's purchased ( $\geq$ 1-0 lakh) during the current year.	30.00	-	-
6.	Value of the equipment purchased during the year (Rs. in Lakhs)	241.17	-	-
7.	Others		-	-
8.	Residential Area in Sqm.	7630.00	-	-
9.	Hostel Area in Sqm.	19732.68	-	-
10.	Sports Area in Sqm.	5001.98	-	-
11.	Amenities Area in Sqm.	2325.45	2031.00	55 Lacs UGC 146.21 Own Fund

Computerization of administration and library

-
---

Library services:

Sr.	Details	Existing		Newly added		Total	
		No.	Value	No.	Value	No.	Value
1.	Total No. of Books in Library, Total No. of Titles in Library, Text Books, Reference Books	69,832	3,25,02,226	1963	19,26,920	71,795	3,44,29,146
2.	E-Books	-	-	-	-	-	-
3.	Total No. of Journals Subscribed	110	3,14,186	-	-	110	3,14,186
4.	E-Journals	Bentham Pharmacy, UGC Infonet, INFLIBNET, DELNET					
5.	Digital Database	1205	16,295	-	-	-	-
6.	CD & Video	841	16,295	-	04	-	6,840
7.	Other (Specify) PhD Thesis	1138	-	90	-	1228	-
8.	Information on INFLIBNET Utility	UGC Infonet Programme, SOUL 2.0 Software					



**Technology up gradation (overall)**

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1205	20	300 Users	04	37	74	1041	53
Added	86	-	-	-	-	11	75	-
Total	1291	20	300 users	04	37	85	1116	53

**Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.)**

-
---

Amount spent on maintenance in lakhs :

i) ICT	77.97
ii) Campus Infrastructure and facilities	118
iii) Equipment	-
iv) Others	-
<b>Total :</b>	<b>195.97</b>



## Criterion - V

### 5. Student Support and Progression

Contribution of IQAC in enhancing awareness about Student Support Services

Necessary information was circulated to students and also kept on website for creating awareness

Efforts made by the institution for tracking the progression

Students result records were given to respective department annually for tracking the progression of students

(a) Total Number of students

UG	PG	Ph. D.	Others
369	802	72	315

(b) No. of students outside the state

-

(c) No. of international students

Nil

No	%
739	47.4

Women

No	%
819	52.6

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1765	217	153	621		2576	895	151	160	352		1558

Demand ratio 60%

Details of student support mechanism for coaching for competitive examinations (If any)

Smt. Vidyaben Deepchandbhai Gardichair, UGC Remedial coaching, NET coaching and entry in service coaching was functional during the year

No. of students beneficiaries

350

**No. of students qualified in these examinations**

NET  SET/SLET  GATE  CAT   
IAS/IPS etc  State PSC  UPSC  Others



### Details of student counselling and career guidance

Need based Student counselling and career guidance activities are in practice at department level  
Career counselling portal is created.

No. of students benefitted

50

### Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
12	80	30	50

### Details of gender sensitization programmes

A program on National Girl Child Day on - Beti Bachao and Beti Bathao – by CASH, HNGU, Patan. – on 23/01/15.

### Students Activities

No. of students participated in Sports, Games and other events

State/ University level

14

National level

-

International level

-

No. of students participated in cultural events

State/ University level

26

National level

-

International level

-

No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level

-

National level

-

International level

-

Cultural: State/ University level

-

National level

-

International level

-

### Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	-	-
Financial support from government	1327	13,36,978
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-





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Student organised / initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

**No. of social initiatives undertaken by the students**

1. Budhvaryu, 2. Tree Plantation by Department of Education
3. Lunch Box distribution to Aanganvadi Students by Department of Education

**Major grievances of students (if any) redressed:**

No any major graveness of students were reported



## Criterion - VI

### 6. Governance, Leadership and Management

State the Vision and Mission of the institution

#### **Our Vision**

*"I shall transcend myself, be a Universal man;  
and be humble soldier of my motherland".*

*- Umashanker Joshi (Gujarati Poet)*

#### **In simple words the vision of the University is**

- to inculcate values of equality, unity and justice
- to provide leadership in higher education by imparting quality and socially relevant knowledge
- to contribute to advancement of knowledge through research, publications and dissemination
- to make student conscious of their duty to the country and to fellow human being.

#### **Our mission**

- to educate student in all areas of scholarship and to advance knowledge
- to develop citizens with knowledge, skill and character leading to social transformation and national development
- to develop aptitudes and skills of students to equip them to face the challenges and need to fast emerging society
- to create greater opportunities for girl students in order to prepare them to be effective leaders.

Does the Institution has a management Information System

Management of the teaching and administration is done by planning activities of various academic and administrative bodies. These activities are reported at the end of the year and are published in the university annual report which is than approved by the executive council and senate of the university.

Enrolment of students, students' registration for examination and partially account department activities are computerised. There is no full-fledge MIS in the University.



## Quality improvement strategies adopted by the institution for each of the following:

### Curriculum Development

Board of studies formed for newly introduced programmes. It has developed the curriculum for these newly developed programmes. Exam (result) related work is also computerised.

### Teaching and Learning

- Monitoring and developing of research activities through University Board of teaching and Research
- University level and departmental level Academic planning and monitoring
- Supporting effective and independent learning and personal development by students
- Ensuring that the teaching, learning, assessment and feedback elements of every programme are coherent and provide a progressive, challenging experience for students
- Promoting use of ICT and modern technology
- Promoting interdisciplinary study
- Recognizing and rewarding excellent students
- Providing support for slow learner

### Examination and Evaluation

- Compulsory international examination through continuous assessment of students.
- Appointment of internal and external examiner and paper setter as per credit system
- Monitoring the on-going exam with observer and Flying Squad
- Providing rechecking and reassessment facility to student as per ordinance
- Conduct the exam operation in security enabled environment
- Computerization for providing speed and security to evaluation system

### Research and Development

- Facilitating research activity of teachers and student
- Monitoring and development of research activities by University Board of Teaching and Research
- Incorporation of research and innovation component in post graduate and research Programme
- Promoting the networking and linkage with research and professional organization
- Promoting the teaching faculty for high quality publication activity
- Supporting and organizing conference and workshop in university
- Providing the Ph. D guide ship to external experts from academic, research organization and industry.
- Providing the freedom to teaching faculty to carry out extension and consultancy work



### **Library, ICT and physical infrastructure / instrumentation**

- Providing excellent space, library resources and administrative infrastructure to allow staff to create stimulating learning environments
- Maintain balance between central and departmental systems and expertise
- Providing required hostel facility for boys and girls students.
- Development of sports facilities
- Development of laboratories with modern instruments for teaching and research
- Providing the ICT facility to faculty and students
- Providing Adequate infrastructure maintenance and support services
- Central and departmental library development
- Computerization of library
- Regular updating of university website for better communication with stake holders.

### **Human Resource Management**

- Self-appraisal method for monitoring the annual performance of staff
- Training by senior staff member to new recruiter
- Organization of on campus Faculty development programme and support the faculty training from other agencies
- Feedback analysis

### **Faculty and Staff recruitment**

- Staff recruitment according to the UGC and State Government Regulations
- Appointment of staff from university own fund with outsource approach for compensating deficit in staff
- Implementation of reservation policy and Roster in staff recruitment and promotions.

### **Industry Interaction / Collaboration**

- Establishment of Industry academia interaction cell
- Promote linkage with Industry
- Involvement of industry expert for curriculum development and research activities
- Placement activities with support for industries.

### **Admission of Students**

- Adhering to the UGC standards for minimum eligibility qualification
- Transparent and merit based admission system
- Centralized admission in professional programmes
- Implementation of reservation policy as per state government regulation
- Providing the Reservation quota for students other than HNGU with in and outside the state.



Welfare schemes for

Teaching	-
Non teaching	-
Students	Rs. 13,83,087/-

Total corpus fund generated

Rs. 2, 90, 09,675

Whether annual financial audit has been done

Yes

No

Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	-	No	-
Administrative	No	-	No	-

Does the University/ Autonomous College declares results within 30 days?

For UG Programmes

Yes

No

For PG Programmes

Yes

No

**What efforts are made by the University/ Autonomous College for Examination Reforms?**

- Given details on Question papers about Date& Time and Subject & Subject code.
- Bar code Sticker system was introduced for maintaining confidentiality
- Old question papers were made available on Uni. Web-site.

**What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?**

- No autonomy given to till now.

**Activities and support from the Alumni Association**

- Informally alumni association were function in various department
- Alumni groups are operative on social networking sites



### **Activities and support from the Parent – Teacher Association**

- Informally Parent teacher Interaction are in practice as per need in respective department

### **Development programmes for support staff**

- Required training has been given by the administrative and teaching staff members
- Need based Computer training are given to support staff

### **Initiatives taken by the institution to make the campus eco-friendly**

- Awareness created in campus for reduce the misuse of paper, Water and electricity
- Plantation and gardening are regularly practiced to maintain green campus



## Criterion - VII

### 7. Innovations and Best Practices

**Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.**

Pre Abhhimanyu Competitive Exam Preparation seminar and other activities of Smt. Gardi Chair has provided good environment of competition among students and awareness towards government competitive exams.

**Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year**

- According to the Annual Plan respective conduct of various activities were monitored by IQAC team during year and required inputs were given for effective completion of tasks
- Annual report was prepared at the end for summarizing work done during the year
- IQAC have evaluated the annual work done with plan work and prepared next year annual plan to complete left out work in next year
- Required change in plan was recorded for better implementation in next year planning

Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

See in Appendix

Contribution to environmental awareness / protection

One Day Workshop On Wild Life Protection conducted with the help of Gujarat forest department and HNGU.

Environment awareness programmes were conducted for students and society from NSS and life science department

On campus tree plantation was done.

Whether environmental audit was conducted?

Yes

No

Any other relevant information the institution wishes to add.



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### 8. Plans of institution for next year

Improvement in the NAAC criteria

Collecting the input from various stack holders for CBCS Curriculum revision

Incorporation of well-defined learning out come in curriculum

Name \_\_\_\_\_

Name \_\_\_\_\_

\_\_\_\_\_  
*Signature of the Coordinator, IQAC*

\_\_\_\_\_  
*Signature of the Chairperson, IQAC*

\_\_\_\_\_  
\*\*\*  
\_\_\_\_\_





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## Appendix I : Academic Calendar

Sr.	Particulars	Date as per Academic Calendar	Actual Date of Conduct
1.	Beginning of the Academic Year	16-06-2014	01-07-2014
2.	Date of Completion of the Admission --Under Graduate --Post Graduate Departments / Centers	21-06-2014	30-06-2014
3.	Commencement of Teaching Work --Colleges / Department --Semester I & III & V	23-06-2014 to 28-06-2014	01-07-2014
4.	Last Date of Submission of P.G. Registration forms to the University* Last Date of Submission of the First Year Under Graduate Enrolment forms	14-08-2014	31-08-2014
5.	Internal Test	End of the Exam to 18-10-2014	End of the Exam to 18-10-2014
6.	End of the First Term	21-10-2014	21-10-2014
7.	University Examination (October-December) (ATKT) (Semester- I- III & V all exam. of CBCS)	07-10-2014 to 21-10-2014 17-11-2014	25-11-2014 to 05-12-2014 09-12-2014 to 20-12-2014
8.	Diwali Vacation	22-10-2014 to 11-11-2014	22-10-2014 to 11-11-2014
9.	Beginning of the Second Term (Sem. II & VI) (Sem.IV) – Beginning of A.T.	24-11-2014 29-11-2014	24-11-2014 29-11-2014
10.	Internal Test (Preliminary Examination) Colleges / Rural Studies	16-03-2015 Examination End	20-03-2015 Examination End
11.	University Examination (March-April) Without CBCS CBCS Sem.: 2-4-6	02-03-2015 21-03-2015 23-03-2015	01-04-2015 to 10-04-2015 21-04-2015 to 02-05-2015
12.	End of the Second Term Colleges Department	25-04-2015	25-04-2015
13.	Summer Vacation	27-04-2015 to 14-06-2015	27-04-2015 to 14-06-2015
*It is likely to be change in MBA and MCA Programme after the Compilation of central admission process.			



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### Appendix III: Conference Presentations

Sr	Name of Conference/ Seminar	Level	Type Resource person/ Chair Person/oral/ Poster/ Attending	Title of Paper	Organizer	Place	Date
<b>Department of Mathematics</b>							
<b>Prof.M.B.Prajapati</b>							
1.	"Enchning Mathematical Modelling :Using tools of Statestics and OR" :At LDRP-ITR, Kadi University :	National Confere nce	National	Two Expert Talks	University	LDRP	22/4/2014
2.	Guest Lecture at Ganpat University	State	University	Expert Talk on Mathamatical Modaling	Gunpat University	Kherva	12/2/2014
3.	Co- ordinator: B.Sc. Admission through ACPC	State	State	Addmission Process	ACPC	Ahmedabad	2014-15
4.	Co- ordinator: M.Sc. Admission through HNGU University	Local	University	Addmission Process	H.N.G.University	Patan	2014-15
5.	Gujarat Vidhansabha : meeting with Hon. Education Ministers, VC's& Deans of the State University	National	Attending	General	Government of Gujarat	At Gnadhinagar	11/6/2014
6.	KCG, Ahmadabad	National	Attending	General	KCG	Ahmedabad	24/6/2014
<b>Dr. A.V.Kadia</b>							
7.	"Workshop on "LATAX	State	Attending	Prepare a Research Paper in LATEX	Gujarat University	Ahmedabad	19/6/2014
8.	Workshop on Problem Solving	National	As Resource Person to enrich the students of CSIR-UGC NET	Problems on Linear Alsebra and Matrix Theory	The M.S.University, Baroda	Vadodara	24/02/2015 to 26/02/2015
9.	Seminar on	State	As Resource Person	Question	Gujarat	Gandhinaga	06/12/2



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	General Examination			Bank for GPSC Examination	Administration Department Government of Gujarat	r	014
10	A WORK SHOP on "PROBLEM SOLVING FOR NET EXAMINATION " at M.S. University of Baroda, Vadodara	National	As Resource Person	Beti Bachao and Beti Bathao	CASH, HNGU	Patan	23/1/2015
<b>Department of Biotechnology</b>							
<b>Dr.S.M.Dave</b>							
1.	ONE DAY SEMINAR ON ANIMAL DNA BARCODING CURRENT STATUS, TRENDS AND PROSPECTS	National	Resource person and poster presenting	-	Department of Biotechnology, HNGU, Patan	Patan	17/01/2015
2.	National conference on innovative approaches and science awareness	National	Attending	-	Sheth M. N. Science college, Patan	Patan	28th February 2015
<b>Dr.Ashish Patel</b>							
3.	ONE DAY SEMINAR ON ANIMAL DNA BARCODING CURRENT STATUS, TRENDS AND PROSPECTS	National	Resource person and poster presenting	-	Department of Biotechnology, HNGU, Patan	Patan	17/01/2015
4.	National conference on innovative approaches and science awareness	National	Attending	-	Sheth M. N. Science college, Patan	Patan	28th February 2015
<b>Dr.Himanshu Bariya</b>							
5.	One day state level seminar on Opportunity and current status of medicinal plant research	State	Attending	-	V. P. and R. P. T. P. Science College, Vallabh vidyanagar	Vallabh vidyanagar	11th November 2014



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6.	One day Regional workshop on Rheology: Advance rheological characterization	Local	Attending	-	Univeristy – Industry Linkge Cell, HNGU, Patan	Patan	21st November 2014
7.	National conference on latest development in basic and Applied Sciences	National	Poster	Characterizat ion of growth promoting and defense inducing activity of Trichoderma viride against plant pathogenic fungi	M. B. Patel Science College Anand	Anand	10th January 2015
8.	One day seminar on Animal DNA barcoding: Current status, trends and prospects	National	Poster	Application of DNA barcodes for screening of Agriculturally important fungi: Different Trichoderma spp. for superior chitinase formation	Department of Biotechnology, HNGU, Patan	Patan	17th January 2015
9.	National conference on innovative approaches and science awareness	National	Attending	-	Sheth M. N. Science college, Patan	Patan	28th February 2015

### Department of Education

**Dr.S.G.Patel**

1.	Ph.D. Guide Association Seminar on Shaping of Educational Research Experiences & Contemporary	State	Attending	-	The New Progressive Colloge of Teacher's Education	Mahesana	28/06/2014 & 29/06/2014
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	Qualitative & Quantitative Researches						
2.	National conference on curriculum and accreditation transition of teacher education	National	Chair Person	-	L. N. K. college of Education, Patan	Rangbhavan, HNGU, PATAN	16/07/2014
3.	Workshop on professional development and new trends in teacher education	University	Resource Person	-	HNGU, LNK College of Education, Growmore College, Deesa B.Ed. College and Danodarda B.Ed. College	Ambaji	13/9/2014 & 14/09/2014
4.	Women	National	Chair Person Attending	-	Shri P.K.Kotawala Arts College, Patan		6/2/2015 & 7/2/2015
5.	NCTE New Curriculum Framework-2014	National	Participant	-	NCTE, New Delhi & IITE, Gandhinagar	Gandhinagar	01/03/2015
6.	Empowering the Women in the Workplace	National	attending	-	HNGU, Patan	Rangbhavan, HNGU, Patan	05/03/2015
7.	Orientation Workshop on NCTE Regulations 2014 & New Curriculum Framework	University	Chair Person	-	Department of Education, HNGU, Patan & LNK College of Education, Patan	Rangbhavan, HNGU, Patan	26/03/2015
8.	New Dimensions of Research Guidance	National	Attending	-	UGC	Department of Education, Gujarat Uni., Ahmedabad	29/3/2015 & 30/03/2015
<b>Dr. J. K. Joshi</b>							
1.	National conference on curriculum and accreditation transition of teacher education	National	Attending	-	L.N.K. college of Education, Patan	Rangbhavan, HNGU, PATAN	16/07/2014
2.	Workshop on	University	Attending	-	HNGU, LNK College	Ambaji	13 &



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	professional development and new trends in teacher education	y			of education, growmore college, deesa B.Ed. College and Danodarda B.Ed. college		14/09/2014
3.	Discrimination Against Women	State	Attending	-	CASH Commottee and WILPH India	HNGU, Patan	24/09/2014
4.	Empowering the Women in the Workplace	National	Attending	-	HNGU, Patan	Rangbhavan, HNGU, Patan	05/03/2015
5.	Orientation Workshop on NCTE Regulations 2014 & New Curriculum Framework	University	Attending	-	Department of Education, HNGU, Patan & LNK College of Education, Patan	Rangbhavan, HNGU, Patan	26/03/2015
6.	New Dimensions of Research Guidance	National	Paper Presenter	Meta Analysis: A Guide to the Researcher	UGC	Department of Education, Gujarat Uni., Ahmedabad	29 & 30/03/2015
<b>Dr.Sudhir H.Tandel</b>							
7.	Ph.D. Workshop	State	Resource Person	SPSS Package for Data Analysis	IITE, Gandhinagar	Gndhinagar	23/04/2014
8.	Restructuring and Reorganizing Higher Education	National	Resource Person	CTE, Patan	CTE, L.N.K.College, Patan	Patan	16/07/2014
9.	Preamble: Indian Constitution	Local	Resource Person	Preamble: Indian Constitution	K.D. Polytechnic	Patan	22/07/2014
10.	Batra Committee's Recommendation	Local	Resource Person	Batra Committee's Recommendation	CTE, Patan	Ambaji	14/09/2014
11.	Education Spectrum in India: Issues, Trends and Horizons	National	Paper Presentation	Massive Open Online Courses (MOOCs): Future of Learning	CTE, Modasa	Modasa	27/12/2014
12.	Qualitative Research Methodology	National	Paper Presentation	Narrative Inquiry: An Overview	ICSSR, Mumbai & C.H.Shah Maitri Vidyapeeth, Surendranagar	Surendranagar	18/01/2015
13.	NCTE New Curriculum	National	Participant	-	NCTE, New Delhi & IITE, Gandhinagar	Gandhinagar	01/03/2015



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	Framework-2014						
14	NCFTE-Major recommendation s for Teacher Education	State	Resource Person	NCFTE-Major recommendati ons for Teacher Education	IASE Gujarat Vidyapeeth, Ahmedabad, and GCERT, Gandhinagar	Ahmedabad	13/03/2015
15	Curriculum Framework: B.Ed. Programme	State	Resource Person	Curriculum Framework: B.Ed. Programme	H.N.G.Uni., Patan & L.N.K. College of Education, Patan	Patan	26/03/2015
16	New Trends in Research Methodology	National	Participation	-	UGC & Gujarat University, Ahmedabad	Ahmedabad	29-30/03/2015
<b>Department of Law</b>							
<b>Dr.Smita Vyas</b>							
1.	Contemporary Issues and Challenges of Human Rights in the era of Globalization	Internati onal	Poster Presentation	Title: Child Care with Human Rights Perspectives	Gujarat Law Society, Ahmedabad	Ahmedabad	2nd & 3rd Aug 2014
2.	Curriculum and Accrediation: Transition of Teacher Education	National	Participated	-	L.N.K. College of Education , Patan	Patan	16th July 2014
3.	“Peace Development and Social Harmony”	National	Poster Presentation	Media and Social Harmony in India	Peace Research Centre, Gujarat Vidyapith, Ahmedabad	Ahmedabad	27-28 Aug 2014
4.	“Women Empowerment and Their Role in Sustainable development of India”	National	Poster Presentation	Women at Workplace	Holkar Science Collage, Indore , M.P.	Indore , M.P	28th& 29th Dec. 2014
5.	Human Rights: A Challenge in 21st Centaury	National	Poster Presentation	Women’s Rights & Security in India	Sheth M.N. Law College Patan	Patan	11th January 2015
6.	“Changing status of women: Past, Present and future”	National	Poster Presentation	Crime against the women in India & Female literacy Rate	Women cell P. K. Kotawala Arts College, Patan	Patan	6-7th Feb 2015
7.	“Law, Gender and Social Transformation in	National	Poster Presentation	The position of the Hindu Women in	Anand Law College	Anand	8th Feb. 2015





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	India”			Vedic Times			
8	“New Paradigm in Human Right”	National	Poster Presentation	Right to Health & Medical Treatment with Reference to Human Right	Shree D. D. Kotiyawala Muni. Law Collage, Chhaya-Porbandar	Porbandar	21-22 March 2015
9	“Discrimination against Women”	State	Chaired the session	-	CASH, HNGU Patan	Patan	24th Sept 2014
10	jl;G D]IST ;[IDGFZ	State	Attending	-	Police Department B Division, Patan	Patan	19th march 2015
<b>Dr.Rekhaben M.Patel</b>							
11	“Discrimination against Women”	State	Chaired the session	-	CASH, HNGU Patan	Patan	24th Sept 2014
12	jl;G D]IST ;[IDGFZ	State	Attending	-	Police Department–B Division, Patan	Patan	19th march 2015
13	Curriculum and Accreditation : Transition of Teacher Education	National	Participated	-	L.N.K. College of Education , Patan	Patan	16th July 2014
14	Peace Development and Social Harmony.	National	Poster Presentation	Media and Social Harmony in India	Peace Research Centre, Gujarat Vidyapith, Ahmedabad	Ahmedabad	27-28,
15	Human Rights : A challenge in 21st Century	National	Poster Presentation	Women’s Rights & Security in India	Sheth M.N. Law College Patan	Patan	28th & 29th Dec. 2014
16	National Girl Child day	National	Attending	-	CASH (Comnitte against Sexual Harrusment)	Patan	23-1-2015
17	Rights of Children in Indian Legislation	National	Poster Presentation	Rights of Children in Indian Legislation	Faculty of Law	Rajkot	1 <sup>st</sup> Feb 2015
18	Changing Stutus of of Women: past, Present & Future	National	Poster Presentation	Changing Stutus of of Women: past, Present & Future	Women cell P. K. Kotawala Arts College, Patan	Patan	11th January 2015
19	Contemporary	Internati	Poster Presentation	Contemporary	Gujarat Law Society,	Ahmedabad	2nd &





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	Issues and Challenges of Human Rights in the era of Globalization	onal		Issues and Challenges of Human Rights in the era of Globalization	Ahmedabad		3rd Aug 2014
20	Empowering The women in the work Place & Celebratin of the International women's day	National	Attending	-	Committee against sexual Harrassment (CASH)	Patan	5-03-2015
<b>Dr.Hemant K.Patel</b>							
21	National Girl Child day	National	Attending	-	CASH (Comnitte against Sexual Harrusment)	Patan	23-1-2015
22	"Law, Gender and Social Transformation in India"	National	Poster Presentation	The position of the Hindu Women in Vedic Times	Anand Law College	Anand	6-7th Feb 2015
23	Empowering The women in the work Place & Celebratin of the International women's day	National	Attending	-	Committee against sexual Harrassment (CASH)	Patan	5-03-2015
24	Human Rights: A Challenge in 21st Centaury	National	Poster Presentation	Women's Rights & Security in India	Sheth M.N. Law College Patan	Patan	28th& 29th Dec. 2014
25	"New Paradigm in Human Right"	National	Poster Presentation	Right to Health & Medical Treatment with Reference to Human Right	Shree D.D. Kotiyawala Muni. Law Collage, Chhaya-Porbandar	Porbandar	21 ,22 march 2015
<b>Department of Social Work</b>							
<b>Dr. Roshan V. Agrawal</b>							
26	International Women Day	State	Attending	-	Cash Commity HNGU	Patan	-
<b>Dr. Nishaben I. Patel</b>							
27	International Women Day	State	Attending	-	Cash Commity HNGU	Patan	-



#### Appendix IV: Invited Lecture Presentations

No .	Topic for Presentation	Full Name of Faculty	Level of Research Article	Name of Conference/Seminar	Organizer	Place	Year of Publication ▼
1	Problem Solving in Linear Algebra and Matrix Theory	Dr. Atul V Kadia	National	National Workshop on Problem Solving Techniques in Mathematics (NWOPST - 2015)	UGC- Unassigned Grant, Department of Mathematics Faculty of Science, The M. S. University of Baroda Vadodara - 390002	Vadodara - 390002 during 21-26 February 2015	2014-15
2	Plant physiology	Dr. Ila C Patel	International	Six day Days crush course programme. GSBTM Sponsored	Pramukh swami science &H.D.patel Arts college , Kadi	Kadi	2014-15
3	Challenges opportunities and innovation in pharmaceutical sciences	Dr. Ila C Patel	National	Department of Pharmaceutical sciences , HNGU Patan conferences	Gujarat council of sciences and technology (GUJCOST ) Gandhinagar. HNGU,patan	Patan	2014-15
4	SPSS Training	Tandel Sudhirkumar Haribhai	State	Ph.D. Workshop	IITE- Gandhinagar	Gandhinagar	2014-15
5	Restructuring and Reorganising Teacher	Tandel Sudhirkumar Haribhai	State	Curriculum & Accreditation: Transition of Teacher Education	CTE, Patan	Patan	2014-15



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	Education						
6	Preamble of Indian Constitution	Tandel Sudhir Kumar Haribhai	State	Awareness Programme	K.D. Polytechnic, Patan	Patan	2014-15
7	Recommendation of Batra Commission	Tandel Sudhir Kumar Haribhai	State	Professional Development and New Trends in Teacher Education	CTE, Patan	Patan	2014-15
8	The Impact of Epicurus on Renaissance	Dr. Tapas Chakrabarti	National	Lecture in Refresher course in English	Academic Staff College, Gujarat University	Ahmedabad	2014-15
9	Teaching Aptitude	Dr. J. K. Joshi	National	NET Examination	Gardi Chair, HNGU, Patan	Gardi Chair, HNGU, Patan	2014-15
10	Teaching Aptitude	Dr. J. K. Joshi	National	NET Examination	Gardi Chair, HNGU, Patan	Gardi Chair, HNGU, Patan	2014-15
11	Research Aptitude	Dr. J. K. Joshi	State	GSET Examination	Gardi Chair, HNGU, Patan	Gardi Chair, HNGU, Patan	2014-15
12	Teaching Aptitude	Dr. J. K. Joshi	State	GSET Examination	Gardi Chair, HNGU, Patan	Gardi Chair, HNGU, Patan	2014-15
13	Research Aptitude	Dr. J. K. Joshi	State	GSET Examination	Gardi Chair, HNGU, Patan	Gardi Chair, HNGU, Patan	2014-15
14	Antimicrobial and catalytic studies of complexes of valsartan with d10 metal ions	Prof. J J Vora	International	ICC 3rd International Conference	ICC	Dubai	2014-15
15	Synthesis and spectral studies	Prof. J J	National	34th Annual Conference of	ICC Agra	Dhanbad	2014-15



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	of 2-[(s-methoxy 1H-benzimidazol-2-ylsulfonyl)-n-phenyl acetamide with transition metal ions imperative medical intermediate	Vora		Chemists of ICC School of Mines			
16	chair person for session	DR. Rupesh Patel	National	Reforms & innovations in education : A march towards world class standards	swami vivekanand sarvodaya education college, mehsana	Mehsana, Gujarat	2014-15



**Appendix V: FDP**

No.	Name of Training	Full Name of Faculty	Name of Organizer	Place	Year▼	Time Duration(In week)
1	Short Term Course on "Bio-Nanotechnology"	Dr. Rajesh Patel	Jawaharlal Nehru Technological University	Hyderabad	2014-15	1.0
2	Drug Development and Neglected Tropical Infectious Diseases	Dr. Rajesh Patel	National center for Genetics Engineering and Biotechnology, National Science and technology Development agency and Ministry of Science and Technology,	Thailand Science Park, Pathum Thani, Thailand	2014-15	1.0
3	One day Workshop on 'LATEX'	Dr. Atul V Kadia	Department of Mathematics, Gujarat University, Ahmedabad	Ahmedabad on 19/07/2014	2014-15	
4	REFRESHER COURSE IN COMMERCE AND MANAGEMENT	Dr. Bhupinder Chaudhary	UGC-ASC, GUJARAT UNIVERSITY, AHMEDABAD	AHMEDABAD	2014-15	3.0
5	Internal Counsellor Programme	Mr. Nimesh Bhojak	Quality Council of India	Patan	2014-15	
6	3rd International Conference on Communication, Connectivity, Convergence, Content & Co-operation of Telecommunication jointly with Workshop on 5G Applications & Business Models	Patel Jignesh B.	Bhagvan Mahavir Education Foundation	vesu-bharthana, Surat	2014-15	0.0
7	DIFFERENCE IN STRUCTURAL SYSTEMS IN INDIA AND BHUTAN	Mr. Vikas R Patel	Hemchandracharya North Gujarat University, Patan	Patan	2014-15	1.0



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8	Saksham-IT champion Training Programme	DR. Rupesh Patel	microsoft at Hemchandracharya North Gujarat University	Hemchandracharya North Gujarat University, Patan	2014- 15	1.0
9	Devices- Transforming Education	Bhavesh M Patel	Microsoft & Department of Computer Science, HNGUniversity	Patan	2014- 15	0.2



## Appendix VI: Major Research project

### Sanctioned

No.	Title of Research Project	Name of PI	Name of Co PI	Funding Agency	Amount mobilized
1	A Study to Assess the Level and Quality of Inclusion of CWSN in Regular School	Dr. Sudhir H. Tandel	Dr. Jayna K. Joshi	SSA, Gujarat	592840
2	Transport and Thermodynamics properties of components of Clove oil	Dr. Sangita Sharma		UGC	7,00,000
3	Health care consumerism :A study on cosumer satisfaction from Healthcare organization from Gujarat	Dr. Ashwin Modi		indian institute of public Administration	392000
4	Habitat suitability and corridor analysis for Sloth bear in Gujarat using Remote Sensing and Ecological modeling	Dr Nishith Dharaiya		Indian Space Research Organization (ISRO), Department of Space, Government of India	2141700
5	Fungal DNA barcoding: A molecular approach for accurate species Indentification of North Guajrat Region in India	Himanshu S. Bariya		Gujarat State Biotechnology Mission, GOG, Gandhinagar	1950840
6	Study of Administrative & Cultural Adaptation required for Access, Retention and Learning of Tribal Children	Dr. Sudhir H. Tandel	Dr. S. G. Patel	SSA, Gandhinagar	757777
7	Studies on Spectral, Thermodynamic, Transport and Acoustic properties of Binary and Ternary mixtures of some components of Tea Tree oil with organic solvents	Dr. Sangita Sharma		MRP-UGC	13,65,800
8	isolation ,identification and Activity of Pestiside Degrading Microorganisma from Semi Aride soils From North Gujarat	Dr.S.A. Bhatt		World Class University development Fund ,HNG university,patan	135000
9	Effect of Brassinosteroids on protein profiling of some groundnut cultivars under salinity stress.	Dr. Illaben Patel		UGC	908800
10	Development of effective propagation methods for some conservation concern	Dr. Illaben		World class university development fund, H N	120000



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medicinal plants of North Gujarat	Patel		G University, Patan
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### Ongoing

	Title	Agency	Sanction Date	Period	Amount	Major/Minor
<b>Department of Commerce &amp; Management</b>						
<b>Dr.B.A.Prajapati</b>						
1.	Economical and social issue to confronting marginalization groups	UGC	July 2014	2 Years	12,48,000	Major
<b>Department of Life Sciences</b>						
<b>Dr.Nishith Dharaiya</b>						
2.	Monitoring and assessment of coastal wetlands...	UGC- New Delhi	July 1, 2012	2012-2015	8,98,000	Major
3.	Habitat suitability and corridor analysis ...	ISRO		2014-2017	2141700	Major
<b>Dr.Illaben Patel</b>						
4.	Effect of Brassinosteroids on Protein Profiling of some Groundnut Cultivars of Gujarat under Salinity Stress	UGC, New Delhi	14/3/2013	2013-2016	9,08,800/-	Major
5.	Development of effective propagation methods for some conservation concern medicinal plants of North Gujarat	World class University Development fund, H N G University, Patan		2012-2013	1,20,000/-	Minor
<b>Dr.Rajesh Patel</b>						
6.	Diversity and Biotechnological application of Endophtic Microflora from Saline Desert	Hem.North Gujarat University, Patan	18•Jun•2013	1 Year	1,10,000	Minor
7.	Study on synergistic effect of phytochemicals with antibiotics against multidrug resistance bacteria	UGC (Ref UGC F/41/361/ 2012, Date July 13, 2012)	15•Jul•2012	2 Year	10,91,800	Major
<b>Department of Biotechnology</b>						
<b>Dr.Himanshu Bariya</b>						
8.	Metaproteomics analysis of a Different protein response to soil salinity	UGC, New Delhi	18/07/2012	3 years	1438300/-	Major
9.	Influence of arid and semi arid soil microbial composition on growth, water status and nutrient uptake mechanism in certain bioindicator plants of North Gujarat region under salinecondition	GSBTM, Gandhinagar	20/04/2013	3 years	1900600/-	Major
<b>Dr.Ashish Patel</b>						





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Title	Agency	Sanction Date	Period	Amount	Major/Minor
10. Separation, isolation and identification of effectors from secretome of <i>Phytophthora infestans</i>	UGC, New Delhi	05/02/ 2013	2 years	600000/-	Start-up Grant
11. Characterization of fungal elicitors and their role in expression of resistance genes in <i>Arachis hypogaea</i> L.	SERB, DST- New Delhi	17/08/2013	3 years	1085000/-	Major
12. Fungal DNA barcoding: A molecular approach for accurate species identification of North Gujarat region in India.	GSBTM, Gandhinagar	07/07/2014	3 years	1950840/-	Major
<b>Department of Hospital Management</b>					
<b>Dr. Bhupinder Chaudhary</b>					
13. Consumer Satisfaction from Healthcare Organization	Indian Institute of Public Administration, New Delhi	June 2013	-	Rs.3.79 lakhs	-
<b>Center of Indian Diaspora &amp; Cultural Studies</b>					
<b>Dr. Adesh Pal</b>					
14. Preparation of Database of Migrants from Gujarat	From the fund allocated to the centre by UGC, New Delhi under UGC Area Study Programme	March, 2007	-	-	Major
15. Vatan Seva: NRG's Contribution to Gujarat	From the fund allocated to the centre by UGC, New Delhi under UGC Area Study Programme	October, 2010	-	-	Major

## Completed

Sr.	Title	Agency	Sanction Date	Period	Amount	Major/Minor
<b>Department of Biotechnology</b>						
<b>Dr.Sanjay M.Dave</b>						
1.	Identification and characterization of enteric bacteria in wild bird species	GSBTM, Gandhinagar	29 <sup>th</sup> February, 2011	3 years	10,57,300	Major
<b>Department of Hospital Management</b>						
<b>Dr. Bhupinder Chaudhary</b>						
2.	Causes of low utilization of Primary level of Healthcare services in North Gujarat	HNGU	July 2013	July 2013- July 2014	40,000	Minor
<b>Department of Education</b>						



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Sr.	Title	Agency	Sanction Date	Period	Amount	Major/Minor
<b>Dr.Sudhir H.Tandel</b>						
3.	"A Comparative study of primary schools having higher & lower grade assigned during Gunotsav" & "A Study of Effectiveness of Gunotsav Programme on Classroom Teaching"	SSA, Gandhinagar	24/3/2013	One Year	6,70,000	Major
4.	Administrative and Cultural Adaptation required for access, retention and learning of the Tribal Children	SSA, Gandinagar Govt. of Gujarat	26/08/2014	One Year	7,57,777	Major
<b>S.K.College of Business Management (BBA)</b>						
<b>Mrs. Kavita A. Trivedi</b>						
5.	Impact of Direct to Home Services on Television viewing habits of rural consumers: Implications for DTH and other potential industries-A comprehensive Study of Rural area of North Gujarat	UGC	5th September, 2012	18 Months Starting From 1 <sup>st</sup> July, 2012	121000	Minor
<b>Ms. Riddhi G. Agrawal</b>						
6.	Economical Condition of retirees with special emphasis on saving, investment & consumption in North Gujarat region	UGC	27-09-2012	18	128000	Minor



## Appendix VII: Minor Research project

### Sanctioned

	Title	Agency	Sanction date	Period	Amount	Major/Minor
<b>Department of Sanskrit &amp; Bhartiya Vidya</b>						
<b>Dr.D.B.Rathva</b>						
1.	"Patan Jain Gyan Bhandar : Importance, Limitations & Solutions"	UGC	19-03-2014	18 Month	1,30,000	Minor

## Appendix VIII: Research Publication

N o.	Title of Research Paper	Name of authors as per order in publication	Journal name	ISS N No	Volume No (Issue)	Page No	Year of Publication	Impact Factor	Level of Research Article
1	An Empirical Study On Usability Of Social Networking Sitesamong Management Students Of Gujarat	Nimesh P. Bhojak	International Journal of Applied Services Marketing Perspectives	2279-0977	4	1517-1526	2014-15		International
2	Effect of growth regulators and explant types on callus induction from Oroxylum indicum (L) Vent.	Esha Rami and Illa patel	Indian Journal of applied Research	2249-555X	Vol. 4(12)	278-280	2014-15	2.17	International
3	Studies on role of brassinosteroids on metabolite content of Germinating	Trivedi Devanshi, Shrimali Gaurav and Illa Patel	International journal of Scientific Research 2014	2277-8179	Vol. 3 (12),	PP : 34-35	2014-15	1.80	International



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	Groundnut cultivars under salinity stress								
4	A study of learning through Computer Assisted Learning Material in relation to selected variables and contiguity.	Dr. R. R. Patel	Indian Ejournal on teacher Education	232 0- 756 6	1(4)	70-76	2014-15		National
5	An analytical study on comparison of different image compression formats	Patel Ranna J.	International Journal for Innovative Research in Science and Technology	234 9- 601 0	1		2014-15		International
6	Structural Characterization of Mycobion from the Metagenome of Lonar Lake Sediment using Next Generation Sequencing	Pravin Dudhagara1, Anjana Ghelani2, Shreyas Bhatt	Indian Journal of Science	231 9- 773 0			2014-15		International
7	Bacterial tag encoded FLX titanium amplicon pyrosequencing (bTEFAP) based assessment of prokaryotic diversity in metagenome of Lonar soda lake, India	Pravin Dudhagaraa, Anjana Ghelanib, Rajesh Patelc, Rajesh Chaudharic, Shreyas Bhattc	Genomics Data		4	8-11	2014-15		International



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8	Determinants of loyalty for private apparel: A study in organised retail store in India.	Rathod C.B., Bhatt N.H.	The IUP Journal Brand Management	097 2- 909 7	6 (1)		2014-15		Internati onal
9	Gender Equality And Women's Empowerment	Dr.Smita B. Vyas	"AVKASH" A Journal	239 4- 826 4	01	41	2014-15		National
10	PFINTDB : a comprehensive interacion database for annotated gene and protein interaction for Plamsodium falciparum 3D7	Mevada Vishal and Patel Rajesh	Internationa l Journal of Life Sciences Biotechnolo gy and Pharma Research		3(3)	98- 108	2014-15		Internati onal
11	INDOLE-3-ACETIC ACID (IAA) PRODUCTION BY ENDOPHYTIC BACTERIA ISOLATED FROM SALINE DESERT, THE LITTLE RUNN OF KUTCH	Monita V. Patel and Rajesh K. Patel	CIBTech Journal of Microbiolog y		3(2)	17-28	2014-15		National
12	EFFECT OF COMBINATIO N OF LEAF EXTRACT OF CASSIA FISTULA AND ANTIBIOTICS AGAINST STAPHYLOC OCCUS AUREUS	Rajesh Patel, Suthar Arvind R 1 , Dr. Piyush J Vyas 1 and Paras Dayma	Internationa l Journal of Chemtech Application s	319 - 709 9	3	68-74	2014-15		Internati onal



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13	Web Resources for Metagenomics	Pravin Dudhagara, sunil Bhavasar, Chintan Bhagat, Anjana Ghelani, Shreyas Bhatt, Rajesh Patel	Genomics Proteomics Bioinformatics				2014-15		International
14	shotgun metagenomics sequencing based microbial diversity assessment lasundra	Amit Mangrola, Pravin Dudhagara, Prakesh Koringa, C.G Joshi, Rajesh K Patel	Genomics Data	221 3- 596 0			2014-15		International
15	Cultivation Independent comprehensive survey of Bacterial Diversity in Tulshishyam Hot Spring India	Amit Mangrola, Pravin Dudhagara, Anjana Ghelani Rajesh K Patel	Genomics Data	221 3- 596 0			2014-15		International
16	EFFECT OF AEROBIC AND CIRCUIT TRAINING ON EXPLOSIVE STRENGTH AND CARDIO-RESPIRATORY ENDURANCE OF FOOTBALL PLAYERS	DR. VIPUL H. UPADHYAY	H.E.S.M.A	231 9- 595 9	3	13	2014-15		National
17	Near Field Communication Technology: Communication Mechanism and Threats	Jignesh Patel, Dr. Abdulbasit Banga, Ketul Patel	International Journal of Emerging Trends in Engineering and Development	224 9- 614 9	Issue 5, Vol.2	264- 271	2014-15		International



18	Micropropagation of Adhatoda beddomei Using Nodal Explant	Jitendriya Panigrahi and Illa Patel	European academic Research	228 6- 482 2	Vol.: 2 (9),	pp : 1219 4- 1220 4	2014-15	3.10	International
19	Seasonal impact on Quantification of Secondary metabolites in vivo and in vitro in Commiphora wightii (Arn.) Bhandari	Shweta N. Illa Patel	International journal of current research	097 5- 833 X	Vol.: 6 (11),	pp : 9486- 9487	2014-15	3.80	International
20	An Overview on Commiphora Wightii (ARN.) Bhandari, An Endangered plant species of Burseraceae Family	Shweta N. and Illa Patel	World Journal of Pharmacy And Pharmaceutical Sciences	227 8- 435 7	Vol.: 3 (11)	,pp 350- 356:	2014-15	2.79	International
21	Effect of Plant Growth Regulators on Seed Germination and Seedling Vigour Index of Oroxyllum indicum (L.) Vent.	Esha Rami and Illa Patel	World Journal of Pharmacy And Pharmaceutical Sciences,	097 2- 521 0	Vol.: 3 (11),	pp 350- 356:	2014-15	3.05	International
22	Comparative study of detect IVAs over the web application	Kirit I. Chokhawala, Dr. A.R. Patel	International Journal of Advanced Research in Computer Science and Software Engineering	227 7 128 X	V5I8 -0240		2014-15	2.50	International
23	Effect of Brassinosteroid	Trivedi Devanshi, Shrimali Gaurav and Illa	Trends in	097 6-	Vol.8	pp.14 58-	2014-15	2.70	International



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	s On Germination and Early Seedling Growth of Groundnut	Patel	bioscience,	248 5	(6)	1461			onal
24	screening of salinity (Nacl %) tolerance potential of some short duration pulses	Trivedi Devanshi , Gurudev Parth	Indian Journal of applied Research	224 9- 555 X	vol.5( 9)	30-31	2014-15	3.60	Internati onal
25	Causes of low utilization of Primary level of Healthcare services in North Gujarat	Dr. BHUPINDER CHAUDHARY	Pacific Business Review Internationa l	097 4- 438 X	7	38-44	2014-15		National
26	A pilot survey on carbon finance as financial adoption and challenges for agricultre development	Dr. Ashwin Modi and Mr. Nimesh P. Bhojak	Internationa l Journal of Agriculture Inoovations & Research	231 9- 147 3	3	1198- 1204	2014-15		Internati onal
27	Design and development of ES to control switching of any appliance using PIC 16F877A	Dr. D. G. Vyas	Internationa l Journal of Electronics, Electrical and Computatio nal system	234 8- 117 X	3	100 to 106	2014-15	1.88	Internati onal
28	Assess the awareness level of people on Aadhaar Card as public wellbeing	Nimesh P. Bhojak	Internationa l Journal of Interdiscipli nary and Multidiscipl inary Studies (IJIMS)	234 8 – 034 3	2	88-95	2014-15		Internati onal
29	Design and development of	Dr. D. G. Vyas	Internationa l Journal of	234 7-	3	76 to 81	2014-15	2.58	Internati onal





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	software coding for m-advertisement using VB6		Computer and Mathematical Sciences	8527					
30	Celestial Weight Calculator	Dr. D. G. Vyas	Electronics For You	0013-516X	46	99 to 102	2014-15		International
31	Volumetric, refractive and FT-IR Behavior of $\beta$ -Pinene with o, m, p-cresol at 303.15, 308.15 and 313.15 K	Sangita Sharma and Jasmin Bhalodia	Journal of Molecular Liquids		193	249-255	2014-15		International
32	Solid-state dechlorination pathway for the synthesis of few layered functionalized carbon nanosheets and their greenhouse gas adsorptivity over CO and N <sub>2</sub> .	Sandesh Y. Sawant, Rajesh S. Somani, Sangita S. Sharma and Hari C.Bajaj	Carbon			210-220	2014-15		International
33	Density and viscometric study of binary liquid mixtures of morpholine with some aromatic hydrocarbons at temperatures 303.15, 308.15 and 313.15K,	Sangita Sharma, Madhuresh Makavana	Fluid Phase Equilibria		375	219-227	2014-15		International
34	Corrosion study of Mild Steel in 0.5M Trichloroacetic	Naveen Kumar and Sangita Sharma	Journal of Applicable Chemistry		3 (4)	1629-1635	2014-15		International



	Acid By Potentiodynamic Method								
35	Polarization Studies on Corrosion inhibition of tin coated steel in 1.0M monochloroacetic acid	Sangita Sharma, Kinnari H. Parikh and Naveen Kumar	Chemical Science Review and Letters		3(11)	394-401	2014-15		International
36	Potentiometric study of binary complexes of 3-[(1R)-1-Hydroxy-2-(methylamino)ethyl] phenol hydrochloride with some lanthanide ions in aqueous and mixed solutions	Sangita Sharma and M. V. Kadia	Russian Journal of Physical Chemistry A		88(13)	2318-2324	2014-15		International
37	Role for teacher	Dr. R. R. Patel	IJTE	2320-7566	2(1)	7-13	2014-15		National
38	Perception of the College Teachers Towards the role of Orientation Programme for Professional Development	Dr. N. G. Ghosh & Dr. J. K. Joshi	TTMA TRACKS : International Research Journal of Multidisciplinary Studies	2394-2908	1(2)	15-25	2014-15		International
39	Interdisciplinary Approach: A Holistic Thinking for the Solution of the Problems	Dr. J. K. Joshi	Pragatishil Shikshan	0976-3279	15(3)	51-53	2014-15		State
40	Meta Analysis:	Dr. J. K. Joshi	International	097		90-91	2014-15		International



	Guide of a Researcher		l Journal of Education for Human Services	6-1128					onal
41	A COMPARETIVE STUDY OF HEALTH CONSCIOUSNESS AMONG THE STUDENTS OF PRIVATE AND GOVERNMENT IN AHMEDABD	DR.VIPUL H.UPADHYAY	H.E.S.M.A	2319-5959	3	31	2014-15		National
42	Synthesis, Spectral, Thermal, Antimicrobial and Catalytic Activity of Zn <sup>2+</sup> and Cd <sup>2+</sup> Chemlates with Valsartan	Dr. J. J. Vora	Int. J. Pharm Bio Sci.		. Vol. 5(2),	383-389	2014-15		Internati onal
43	Synthesis, Spectral and microbial studies of some novel schiff base derivatives of 2-amino pyridine	Dr. J. J. Vora	Journal of chemical and pharmaceutical Research		6(4)	1259 – 1263	2014-15		National
44	Synthesis, characterization , thermal catalytic and biological studies on Hg <sup>2+</sup> complex with valsartan	Dr. J. J. Vora	Research Expo		Vol (IV) (1)	50 to 55	2014-15		National
45	Synthesis and Antifungal	Dr. J. J. Vora	Der Pharma		Vol.6	166-	2014-15		Internati



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	activity of some novel chalcones containing pyrazole moiety		Chemical		(5)	170			onal
46	Antibacterial activity of 1 - (4 - methyl sulfonyl phenyl) -3-(1-phenyl- 3 aryl- 1H - pyrazol - 4- yl) - 2- propen-1- ones and its derivatives	Dr. J. J. Vora	Der Pharma Chemical		Vol.6 (4)	367-372	2014-15		Internati onal
47	A COMPARATIVE STUDY OF HEALTH CONSCIOUSNESS AMONG THE STUDENTS OF PRIVATE AND GOVERNMENT SCHOOL OF GUJARAT	Dr. V. H. Upadyaya	H.E.S.M.A.	231 9-595 9	3	31	2014-15		National
48	A Comprehensive Study on Image Compression Techniques	Hinal N. Prajapati Ranna J. Patel Dr. (Prof.)Bhadresh P.Patel	Emerging Trends in Computer Science and Management Research(N C-ET- CSMR)	097 5-672 8			2014-15		National
49	Role for Teachers	Dr. Rupesh Patel	Indian Ejournal on teacher Education	232 0-756 6	2(1)	7-13	2014-15		National
50	Constructed Wetland with Vertical Flow :	Patel P., and Dharaiya, N.	International Journal of Engineering		3(1)	509-512	2014-15		Internati onal



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	A Sustainable Approach to Treat Dairy Effluent by Phytoremediation		Science and Innovative Technology						
51	Human-Wildlife Conflict in Arid Areas of western India: Strategies for Mutual Co-Existence	Patel, D. and Dharaiya, N.	Ambient Science		1(1)	29-37	2014-15		National
52	Phytoremediation of Sugar Industry Effluent Using Typha angustata and Phragmites australis through Constructed Wetland.	Patel P. and Dharaiya N.	Journal of Chemical, Biological and Physical Sciences.		4 (1)	846-851	2014-15	0.72	International
53	Assessment of bird and macrofauna diversity in Mangrove ecosystem of Jakhau Creek, Gulf of Kachchh, Inida	Rohit Prajapati and Dharaiya N.	International Journal of Plant, Animal and Environmental Sciences		4(2)	447-453	2014-15	0.20	International
54	Can a subsurface flow wetland be an ecotool for the treatment of detergent based effluent?	Patel P and Dharaiya N	Indian Journal of Applied Research		4(5)	313-314	2014-15	2.17	National
55	Production and evaluation of microbial	Mehta, V., Dharaiya, N. and Marjadi, D.	Journal of Environmental Research		8(4)	934-940	2014-15	0.60	National



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	plastics for its degradation capabilities		and Development						
56	Can a starch based plastic be an option of environmental friendly plastic?	Mehta, V., Marjadi, D. and Dharaiya, N.	Journal of Global Biosciences		3(3)		2014-15	1.00	International
57	Recovery and Characterization of Poly (3-Hydroxybutyric acid) synthesised in S. epidermidis	Marjadi, D. and Dharaiya, N	International Journal of Current Microbiology and Applied Sciences		3(7)	350-360	2014-15	1.59	International
58	Metagenomic data of fungal internal transcribed Spacer and 18S rRNA gene sequences from Lonar lake sediment, India	Pravin Dudhagara, Anjana Ghelani, Sunil Bhavsar Shreyash Bhatt	Date in Brief		4	266-268	2014-15		International
59	Synthesis and characterization of novel chromen based thiazolidine derivatives as medicinally potential agents	Dr. K. A. Parmar	international research journal of natural of applied sciences	2349-4077	26(2)	149-161	2014-15		National
60	An efficient synthesis and biological properties of 2-[5-methoxy-1H-benzimidazol-2-yl)sulfanyl]-N-phenylacetamide motif	Dr. K. A. Parmar	international journal of science and research	2319-7064	4(3)	1159-1164	2014-15		National



61	A facile synthesis of 1-(2,3-dichlorophenyl)-4-(1-methyl-3-phenyl-1H-1,2,4-triazol-5-yl)piperazine motif and its antimicrobial activity	Dr. K. A. Parmar	international research journal of natural of applied sciences	2349-4077	2(2)	139-151	2014-15		National
62	Synthesis and biological activity of novel isoquinoline based 1,2,4-triazole derivatives	Dr. K. A. Parmar	Journal of heterocyclic chemistry	1943-5193			2014-15		International
63	Formation and Biological evaluation of 4-thiazolinone derivatives for their pharmacological activity	Dr. K. A. Parmar	international letter chemistry, physics and astronomy		61	84-93	2014-15		International
64	measurement of Fe (II) and Fe (III) in Groundnut by In-column and post column reactions in Ion chromatography	Himanshu Bariya, Amrit Lal singh, Vidya Chaudhari	communication in soil science and plant analysis	1532-2416	46	358-366	2014-15	1.02	International
65	Induction in systemic acquired resistance in Arachis hypogaea L. by Aspergillus flavus derived	Nandini D and Bariya H	Journal of cell and tissue research	0974-0910	14(2)	4395-4403	2014-15	0.23	National



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	elicitors								
66	Gender Inequality and Religious Personal Law in India	Dr.Smita B. Vyas	“AVKASH” A Journal	239 4- 826 4	01.20 15	173	2014-15		National
67	Child care with Human Right Perspective	Dr.Smita B. Vyas	Law Journal	227 7- 604 4	5	65	2014-15		National
68	Indian Legal Education: New Challenges	Dr.Smita B. Vyas	ઉંઁ ંૃ૫ A Research Journal-	223 0- 747 8	6	175	2014-15		National





**Appendix IX: Conferences and workshop organized by the institution (3.11)**

Sr.	Title of Event	Date of Event	Level of Event	Type of Event	Organized by	Sponsored by	Brief detail of programme
<b>Department of Sanskrit &amp; Bhartiya Vidya</b>							
1.	Sanskrit	Seminar	National	Conference	Department of Sanskrit & Bhartiya Vidya	Jain Gnan Bhandar, Patan	Every Year Evint by the Department
<b>Department of Mathematics</b>							
1.	IQAC WORKSHOP on "QUALITY IN SCIENCE EDUCATION" : Content Development in Mathematics "	07/3/2015 & 8/3/2015	University	Workshop	University	-	Content Development in Science Subjects
<b>Department of Physics</b>							
1.	Workshop on stop clock with power supply	25/09/2014 to 26/09/2014	University level	Workshop	Department of Physics	University	Skill based product development workshop
2.	Celebration of Energy Day	02/08/2015	University level	Popular lecture, Essay Competition, and Elocution competition	Department of Physics	University	Popular Lecture of Dr.R.J.Pathak
3.	Workshop on stop clock with power supply	18/02/2015 to 19/02/2015	University level	Workshop	Department of Physics and Punabha Community science centre, Patan	Punabha Community science centre (GUJ COST Funded) Patan	Skill based product development workshop
<b>Department of Bio-Technology</b>							
4.	One day seminar on Animal DNA barcoding: Current status, trends and prospects	17th January 2015	National	Seminar	Department of Biotechnology, HNGU, Patan	GSBTM, Gandhinagar	157 participants, 4 experts



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**Department of Law**

2.	Calibration of Rakshashakti Day	6/8/2015	State	Seminar	Dept.of Law, HNGU Patan	HNGU Patan	-
3.	Calibration of Hiroshima Nagasaki Smruti day	8/8/2014	State	Seminar	Dept.of Law, HNGU Patan	HNGU Patan	-
4.	Celibrtation of Teachers Day	5/9/2014	Local	Celebrating Days	Dept.of Law, HNGU Patan	-	-
5.	Educational Tour	16/2/15 to 21/2/15	National	Educational Tour	Dept.of Law, HNGU Patan	HNGU Patan & Students	-
6.	Annual Function	28/3/2015	Local	Celebrating Days	Dept.of Law, HNGU Patan	-	-

**Department of Social Work**

2.	Workshop for Dignity of HIV/AIDS Positive People	2/2/15 to 3/2/15	State	Target Oriented Group Awareness Activates	Dept. of Social Work	GSACS, Ahmedabad	-
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### Departmental Extension Activities

Sr.	Title of Activity	Date of activity	Level of Event	Organized by	Sponsored by	Brief detail of Extension Activity
<b>Department of Biotechnology</b>						
1.	ONE DAY SEMINAR ON ANIMAL DNA BARCODING CURRENT STATUS, TRENDS AND PROSPECTS	17/01/2015	National	Dept. of Biotechnology, HNGU, Patan	GSBTM, Gandhinagar, Gujarat	Mainly focused on DNA barcode research in India
<b>Yoga Center</b>						
1.	Prarambhik Yoga Shibir	14/02/2015 to 20/02/2015	Local		Goghat High Scholl, Goghat	Yoga Center
		23/02/2015 to 27/02/2015	Local		Dhummad Prim. School, Dhummad	Yoga Center
		21/01/2015 to 25/01/2015	Local		Nima Vidhyalaya, Materwadi	Yoga Center
		09/02/2015 to 13/02/2015	Local		Prim. HighSchool, Moditri	Yoga Center
		01/01/2015 to 05/01/2015	Local		Lalbahadur Shashtri Vidhyalay, Vadodara	Yoga Center
		09/03/2015 to 12/03/2015	Local		Patel H.Z.Sarvajanik High School, Ruvavi	Yoga Center
		12/02/2015 to 16/02/2015	Local		Adarsh High School, Shipor	Yoga Center
2.	Health Related Yoga Shibir	03/02/2015 to 08/02/2015	Local		Yoga Center, Patan	Yoga Center
		17/02/2015 to 22/02/2015	Local		Hanuman Temple, Dummad	Yoga Center
		01/03/2015 to 07/03/2015	Local		Nima Girl's Hostel, Materwadi	Yoga Center
		09/02/2015 to 13/02/2015	Local		Gram Pachayat Sarvajanik Clinic, Koita	Yoga Center



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		08/03/2015 to 16/03/2015	Local		Jay Bharati Vidhyalal, Sander	Yoga Center
		03/02/2015 to 09/02/2015	Local		Dhanjay Society, Vadodara	Yoga Center
		16/03/2015 to 20/03/2015	Local		Gram Panchayat, Ruvavi	Yoga Center
		05/03/2015 to 08/03/2015	Local		Customer Care & Research Center, Idar	Yoga Center
3.	Yoga Demonstration Programme	13/03/2015	Local		Adarsh Primary School, Ruvavi	Yoga Center
		18/03/2015	Local		Kamana Primary School, Kamana	Yoga Center
		12/12/2015	Local		Ramkrishna Mission School, Karnarpukar	Yoga Center
		08/03/2015	Local		C.R.C. School, Mehthan	Yoga Center
		06/02/2015	Local		Anupam Primary School, Modotri	Yoga Center
		20/03/2015	Local		Primary School, Koita	Yoga Center
		04/02/2015	Local		Primary School, Moditri	Yoga Center
		11/03/2015	Local		Lalbahaddur Shastri Primary School, Vadodara	Yoga Center



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## Appendix X: Best practices (7.3)

### HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY 2013-14 BEST PRACTICES –I

#### 1. Title of the practice:

**Administrative skill enhancement training program for non-teaching staff of the University.**

#### 2. The context that required the initiation of the practice

The University has taken total 226 persons on contract basis as sweeper, gardener, peon and junior clerk for smooth function of administrative and other activities of the university. Those who have joined in various administrative wings of the university need orientation and training.

#### 3. Objectives of the practice (50 – 60 words)

The main objective of the training was to familiarise them with everything and all kind of knowledge which is required for smooth day to day working in administration, to improve their skill, to clear their queries and doubts regarding many administrative related problems and functioning, and to improve their communication skill.

#### 4. The Practice (250 – 300 words)

The training was given to all those persons, including peon and junior clerks taken on contract basis. The training was provided continuously for one month. The participants were given training for two hours, in the evening, daily i.e. from 4 pm to 6 pm. For providing training and to share information related to performing various activities in administration, the section heads, departmental heads and officers of the University were invited. Literature and other relevant material were also provided to participants. To check the improvement in the skill and knowledge, the University also conducted examination for the participants at the end of the training program.

#### 5. Obstacles faced if any and strategies adopted to overcome them

Smoothly conducted.

#### 6. Impact of the practice

Non-teaching staff were motivated and their skill was improved. The University could achieve its goal.

#### 7. Resources required

- Computer and Internet facility
- Support from university officers, departmental and section heads.

#### 8. about the Institution

- **Contact person**
- Registrar/ IQAC Coordinator
- Hemchandracharya North Gujarat University
- Patan 384265
- Gujarat
- India
- Web : [www.ngu.ac.in](http://www.ngu.ac.in)
- E mail : [regi@ngu.ac.in](mailto:regi@ngu.ac.in)