Charutar Vidya Mandal's

Natubhai V. Patel College of Pure and Applied Sciences

Re-Accredited 'A' Grade by NAAC

Affiliated to Sardar Patel University

Near Mota Bazar, Vallabh Vidhyanagar - 388 120,
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Annual Quality Assurance Report (AQAR)

2015 - 2016

Submitted To

National Assessment & Accreditation Council (NAAC)

Nagarbhavi, Bangaluru - 560072

June, 2016

Natubhai V. Patel College of Pure and Applied Sciences, Vallabh Vidyanagar
The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. *(Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)*

Part – A

AQAR for the year *(for example 2013-14)*

2015-16

1. Details of the Institution

1.1 Name of the Institution	CHARUTAR VIDYA MANDAL'S Natubhai V. Patel College of Pure and Applied Sciences
1.2 Address Line 1	Near Post Office,
Address Line 2	Mota Bazar
City/Town	Vallabh Vidyanagar
State	GUJARAT
Pin Code	388 120
Institution e-mail address	nvpascollege@yahoo.co.in / principal@nvpas.edu.in
Contact Nos.	02692-235500/234111
Name of the Head of the Institution:	Dr. Basudeb Bakshi
Tel. No. with STD Code:	02692-235500/234111
Mobile:	09427382875
Name of the IQAC Co-ordinator:	Dr. Rita N. Kumar
Mobile:	09825924687
IQAC e-mail address:	ritankumar@yahoo.co.in

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

GJCOGN13836

1.4 **NAAC Executive Committee No. & Date:**
   (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)

EC/PCA/48/40 dated 8-3-2009

1.5 Website address:

www.nvpas.edu.in

Web-link of the AQAR:

www.nvpas.edu.in /AQAR 2015-16.doc

For ex. http://www.ladykeanecollege.edu.in/AQAR2012-13.doc

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	A	3.10	2009	5 Years
2	2nd Cycle	A	3.01	2016	5 Years
3	3rd Cycle	-	-	-	-
4	4th Cycle	-	-	-	-

1.7 Date of Establishment of IQAC :   DD/MM/YYYY   25.06.2009

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((*for example AQAR 2010-11submitted to NAAC on 12-10-2011)*
   i.   AQAR 2014-15 Submitted to NAAC on   05.06.2015 (Online)
   ii. AQAR 2013-14 Submitted to NAAC on   14.10.2014 (Online)
   iii. AQAR 2012-13 Submitted to NAAC on   26.09.2013 (Online)
   iv. AQAR 2011-12 Submitted to NAAC on   28.09.2012 (Online)
   v.   AQAR 2010-11 Submitted to NAAC on   21.09.2011
   vi. AQAR 2009-10 Submitted to NAAC on   01.07.2010

1.9 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 ☐

Urban ☐   Rural ☑   Tribal ☐

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

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

1.10 Type of Faculty/Programme

Arts ☐   Science ☑   Commerce ☐   Law ☐   PEI (Phys Edu) ☐

TEI (Edu) ☐   Engineering ☐   Health Science ☐   Management ☐

Others (Specify)

> B.C.A.
>
> M.Sc. IT Integrated Course (5 Years)

1.11 Name of the Affiliating University *(for the Colleges)*

> Sardar Patel University

1.13 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 | √ |

2. IQAC Composition and Activities

2.1 No. of Teachers

| 16 |

2.2 No. of Administrative/Technical staff

| 01 |

2.3 No. of students

| 03 |

2.4 No. of Management representatives

| 03 |

2.5 No. of Alumni

| 02 |

2. 6. No. of any other stakeholder and community representatives

| 01 |

2.7 No. of Employers/ Industrialists

| 01 |

2.8 No. of other External Experts

| 01 |

2.9 Total No. of members

| 28 |

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders: No. | 22 | Faculty | 15 |

Non-Teaching Staff Students | 3 | Alumni | 2 | Others | 2 |

2.12 Has IQAC received any funding from UGC during the year?   Yes   No

If yes, mention the amount | Nil | | - | | √ |

2.13 Seminars and Conferences (only quality related)

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

Total Nos. | 6 | International | | National | - | State | 2 | Institution Level | **4** |

(ii) Themes | Best Practice in Quality Control-Kaushalya |

2.14 Significant Activities and contributions made by IQAC

1. Completion and submission of SSR
2. Decentralization of Assessment of Answer-sheets.
3. Student Centric activities such as seminars, projects, study tours etc.
4. Extension activities
5. Organizing workshop/Symposium

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked 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	Achievements
1. To empower the teachers and students for quality education. 2. Co-curricular extra curricular activities 3. Extension activity at Dahemi village.	1. Energy conservation day celebration. 2. Inter institutional workshops 3. Outreach programs at Dahemi and various schools/colleges.

Attach the Academic Calendar of the year as Annexure.

(Annexure – I: *Academic Calendar)*

2.15 Whether the AQAR was placed in statutory body   Yes √   No ☐

Management ☐   Syndicate ☐   Any other body √

Provide the details of the action taken

The AQAR was presented before Advisory Committee of the Institution which included management personnel and academic experts from various institutions. The opinion and suggestions from various academic peers and management were taken into consideration.

Part – B

Criterion 1. Curricular Aspects

1. Curricular Aspects

1.1 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
PhD	00	-	00	-
PG	01	-	01	-
UG	12	-	12	-
PG Diploma	00	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	01	01
Certificate	-	-	05	05
Others	-	-	-	-
Total	13	-	19	06

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

- PG: 01 (M. Sc. CA & IT) Integrated 5 Years Course

- UG: 12 (1 BCA+ 11 B.Sc. that includes CS, IT, INS, BT, GT, BNF, ES, MI, CHEM, IC, MATHS)

- Diploma: 01 (Process Development in Industrial Biotechnology)

- Certificate programme: 05

    1. Process Development in Industrial Biotechnology

    2. Web Designing

    3. Communication skills in English

    4. Tools and Techniques in Molecular Diagnostics

    5. Laboratory Aspects in Analytical Chemistry & Some Commercial Analysis

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	13
Trimester	-
Annual	-

1.3 Feedback from stakeholders*   Alumni √   Parents √   Employers √ Students √
  (On all aspects)

     Mode of feedback   :   Online ☐ Manual √ Co-operating schools (for PEI) ☐

*Please provide an analysis of the feedback in the Annexure (Annexure-II Feedback Analysis)

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

> Due to representation of BOS members of our college, the following updates are being carried out in the syllabus of Mathematics.
> 1) The syllabus of Operation Research (OR) has been revised for Sem-3 & a new syllabus of OR for Sem-4 has been introduced at SPU
> 2) Some topics (Sequence and series) will be added in B.Sc. Sem-2 syllabus in next revision of SPU syllabus

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

> --

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
40	39	Nil	Nil	Physical Instructor: 1

2.2 No. of permanent faculty with Ph.D.

28

2.3 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
39	Nil	NA	NA	NA	NA	1	Nil	40	Nil

2.4 No. of Guest and Visiting faculty

and Temporary faculty

Nil

Temporary teachers: 32

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	24	06	02
Presented papers	10	04	02
Resource Persons	04	-	-

2.6 Innovative processes adopted by the institution in Teaching and Learning:
Following innovative practices are followed in teaching learning process:

- ➢ Counselling system for all the students
- ➢ Open house for parent teacher interaction
- ➢ Remedial class and crash course for weak learners
- ➢ Entrance exam preparation cell for advance learners.
- ➢ Feed back from parents and students
- ➢ On line aptitude test
- ➢ Knowledge sharing forum, carbon foot print club and technoinnaprenur club
- ➢ Project based learning
- ➢ Organizing seminars/workshops/symposia.
- ➢ Encouragement for participation in various state/national level competitions.

2.7 Total No. of actual teaching days

   during this academic year

180

Double valuation:

1. This includes showing answer books to the students followed by reassessment.

2. On line MCQ examination by Computer science

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

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

BOS: -11	Faculty: -07

2.10 Average percentage of attendance of students

80%

2.11 Course/Programme wise
 Distribution of pass percentage: Grade point system has been implemented from year 2010. University declares result in the form overall passing percentage and Not clear students.

Title of the Programme	Total no. of students appeared	Pass %
B.Sc.6th Semester	307	72.71
BCA 6th semester	47	87.1
M.Sc. IT (Integrated)	26	100

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

 The IQAC of the institution every year submits the Annual Quality Assessment Report to the NAAC. On the basis of data filled in the previous year and on the basis of SWOT analysis, it recommends the parameters for the various academic activities and co curricular activities of the institution.

- It sets the standard for which each department and individual member should strive to achieve.
- It ensures that the curriculum goals are met and that this is in keeping with the goals of higher education.
- It plays an active role in forming an agenda and works along with various committees.
- It monitors the implementation of the curriculum.
- It ensures that suggestions are implemented to enhance the overall potential of the students.
- It suggests and organizes workshops and sensitization programmes for the upliftment and capacity building of faculty.
- It recommends use ICT in the class room teaching.

- It advises the faculty to attend workshops on a roaster basis and also to present papers at national or international symposia.
- It initiates the collection of feedback from students, alumni and parents which is then analyzed for suggestions on further improvement.

2.13 Initiatives undertaken towards faculty development   :

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	03
UGC – Faculty Improvement Programme	02
HRD programmes	-
Orientation programmes	01
Faculty exchange programme	-
Staff training conducted by the university	Nil
Staff training conducted by other institutions	-
Summer / Winter schools, Workshops, etc.	02
Others	

2.14 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	34	Nil	Nil	Nil
Technical Staff	11	Nil	Nil	Nil

Criterion – III

3. Research, Consultancy and Extension

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

No, the institute does not have a recognized research center, however, the institute is affiliated to Sardar Patel University and the faculties are recognized guides in various subjects like Microbiology, Biotechnology, Botany, Environmental Science, Chemistry, Industrial Chemistry and Physical Sciences The students can enroll for Ph.D programme under the recognized supervisor provided he/she passes the Ph. D entrance examination. The registration of the candidate is carried through SICART.

3.2   Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	02	02	Nil	01
Outlay in Rs. Lakhs	23,80,200/-		nil	29,07400/-

3.3   Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01	02	01 (Amount not received)	nil
Outlay in Rs. Lakhs	1,50,000/-	2,00000/- (Final instalments to be received)	2,90,000/-	02

3.4   Details on research publications

	International	National	Others
Peer Review Journals	33	05	nil
Non-Peer Review Journals	nil	Nil	
e-Journals		00	
Conference proceedings	nil		

3.5 Details on Impact factor of publications:

Range [0.5-5.0]   Average [   ]   h-index [   ]   Nos. in SCOPUS [   ]

3.6 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	2015-16 continued projects& NEW PROJECTS	DBT, UGC, ISRO,GUJCOST	96,00,000	2,814049/-
Minor Projects	2015-16	UGC	2,90,000/-	nil
Interdisciplinary Projects	2015-16	DBT	CONSIDERED IN MAJOR PROJECTS	NIL
Industry sponsored	NIL	NIL	NIL	NIL
Projects sponsored by the University/ College	NIL	NIL	NIL	NIL

Students research projects *(other than compulsory by the University)*				
Any other(Specify)	NIL	NIL	NIL	NIL
Total	2015-16 (including the ongoing projects)		98,90,000/-	28,14,049/-

3.7 No. of books published   i) With ISBN No.   08   Chapters in Edited Books   00

ii) Without ISBN No.   NIL

3.8 No. of University Departments receiving funds from

UGC-SAP   NA   CAS   NA   DST-FIST   NA

DPE   NA   DBT Scheme/funds   NA

3.9 For colleges   Autonomy   NA   CPE   NA   DBT Star Scheme   NA

INSPIRE   NA   CE   NA   Any Other (specify)   NA

3.10 Revenue generated through consultancy   NIL

3.11 No. of conferences

organized by the Institution

Level	International	National	State	University	College
Number	NIL	00	02	NIL	NIL
Sponsoring agencies	--------		CVM	-------	-----

3.12 No. of faculty served as experts, chairpersons or resource persons   04

3.13 No. of collaborations   International   NI   National   06   Any other

3.14 No. of linkages created during this year   06

3.15 Total budget for research for current year in lakhs :

From Funding agency   28.1 (Grants received)   From Management of University/College   1.0

Total   29.1

3.16 No. of patents received this year

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

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

Total	International	National	State	University	Dist	College
06	02	NIL	NIL	02	NIL	02

3.18 No. of faculty from the Institution
who are Ph. D. Guides
and students registered under them

07

09

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

01

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

JRF 05   SRF nil   Project Fellows NIL   Any other 01

3.21 No. of students Participated in NSS events:

University level 35   State level 10

National level   International level 1   NIL

3.22 No. of students participated in NCC events:

University level 25   State level 10

National level   International level 13   01

3.23 No. of Awards won in NSS:

University level -   State level 05

National level   International lev 03   ---

3.24 No. of Awards won in NCC:

University level	-	State level	03

National level	International level	07	-

3.25 No. of Extension activities organized

University forum	02	College forum	10

NCC	01	NSS	10	Any other	04

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

Sr No	Name of Extension Activity conducted during Annual NSS Camp
1	Awareness for AIDS was shown to the villagers with charts and documentary. The complications of the diseases arising related to AIDS were also explained. Importance ofnutrition was emphasised.
2	General Medical check - up camp organised with the help of Ayurvedic hospital of CVM and free medicines were distributed.
3	Free Eye Check-up Camp for the villagers between the age groups of 10 to 70 was organised where they were tested for cataract and spectacles were given to the villagers.
4	'Superstitions prevail in the villages and the village folk need to come out of the same an awareness was created by performing the play and showing some magic tricks with chemicals by the students of the chemistry department. Few of the villagers took interest and helped the students to spread awareness during the rally organised.
5	Importance of Blood Donation was explained to the villagers during the annual NSS camp. People were encouraged to donate blood and save life. Especially the village youth were mobilised for the same.
6	Street plays on "Swacch Bharat" and 'Save Girl Child' were performed looking at the mission of the prime minister
7	Advanced computer training were imparted to the school teachers. And hand on training to the students of the village schoolwas also imparted.
9	Teaching has always been a noble profession in order to inculcate the habit of teaching and learning the college students performed the role of the teachers to teach the school students using various audio visual aids along with by college students in village schools
10	Basic medical kits were distributed in the old age home.
11	Distribution of new blankets and abandoned cloths among the poor and needy at Railway station.

Criterion – IV
4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	2.96 Acres / 6796 mts	-	Self Finance (CVM)	2.96 Acres / 6796 mts
Class rooms	22	-	Self Finance (CVM)	22
Laboratories	23	4	Self Finance (CVM)	27
Seminar Halls	1 auditorium	-	Self Finance (CVM)	1
No. of important equipments purchased (≥ 1-0 lakh) during the current year.		-	Self Finance (CVM)	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	-	Self Finance (CVM)	-
Others equipment's (Rs. In Lakhs)	-	3.87	Self Finance (CVM)	3.87

4.2 Computerization of administration and library

Central Library is fully furnished with reading room, internet, multimedia and reprographic facilities. Books are completely bar-coded. We utilize soul software for the smooth Functioning of library work.

The process of the institute administration is computerised. All data related to academic, non-academic activities, exam results have been computerized in a software developed by staff member and computerization is also include other aspects of office administration like issuing of certificates, payroll etc.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	16421	18,26,597.00	281	121685	16702	19,48,282.00
Reference Books	681	6,60,101.95	-	-	681	6,60,101.95
e-Books	INFLIBBNET					
Journals	19	18860.00	-	-	19	19860
e-Journals	INFLIBNET					
Digital Database	-	-	-	-	-	-
CD & Video	580	2500	-	-	580	2500
			-	-	-	-
Others Magazines	40	24146	-	-	40	24655
Others News Paper	7	7089	-	-	7	7089

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	216	126	66	-	-	6	8	10
Added	4	-	-	-	-	-	4	-
Total	220	126	66	-	-	6	12	10

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

Computer and Internet Access: Internet access through LAN is available in 84 computers at Computer lab, Principal, Office, HOD Cabins, Staff Rooms for Academic and Administrative work. Wi-fi facility is available to all registered staff members to provide internet access 24 x 7.

Flinnt Software: Flinnt application is used in mobile and laptop/computer to communicate with students where by faculty members can post important messages, Alerts and upload attachments like word, pdf etc. files also.

Certificate Course in Web Designing: Computer Science Department organized 30 hours duration certificate course for students of our College.

Workshops/Seminar under Advance Learner Cell:

1. Seminar on Google Search Engine Techniques
2. Seminar on Basics of Networking
3. Teacher Training Programme at Annual NSS Camp (Alarsa)

Teacher Traning program for MOODLE and Flinnt softwares were conducted.

State Level Workshop: Computer Science Department organized 1 day state level workshop on "**Mobile Application Development using Android Technology**" for all students of computer science department students of various colleges across the state participated for the same.

4.6 Amount spent on maintenance in lakhs:

i) ICT — 1.11

ii) Campus Infrastructure and facilities — 60.52

iii) Equipments — 8.72

iv) Others — -

Total: 70.35

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

> 1. Welcome address to new enrollers by Principal on First Day includes information about students support services.
> 2. College has students Madhaystha Samiti to provide the information and Support about various students services. These students' council activities are monitored and guided by the IQAC members.

5.2 Efforts made by the institution for tracking the progression

> 1. Interaction with students during various curricular and co-curricular activities.
>
> 2. Percentage of participation in quiz/seminar/competition/sports etc.
>
> 3. Result of weekly unit tests and prelim tests.
>
> 4. Remedial classes for academic week students
>
> 5. Tutorial and Crash Course for better understanding of topic
>
> 6. Monitoring through counselors about overall performance
>
> 7. Interaction with parents regarding progress of the student at Open House.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1666	17	-----	---

(b) No. of students outside the state

94

(c) No. of international students

00

	No	%			No	%
Men			Women			
	980	58.2			703	41.7

Last Year (2014-2015)						This Year (2015-2016)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1110	54	98	280	nil	1542	1191	42	107	343	nil	1683

Demand ratio   not applicable   Dropout % 2.70 %

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

1.   The college has EEPC Cell (Entrance Examination Preparation Cell) for preparing the students for competitive examinations. The EEPC Cell conducts classes throughout the year and prepares them for Entrance Exam in the field of Biological Sciences. The EEPC cell run by Faculty members Dr. Kundan Mishra, Dr. Amit Ballani and Dr. Urvish Chhaya.

2. The special classes for JAM are conducted for the B.Sc. Maths students interested to join Post-graduate program. The students are selected from Second and Third Year based on their merit.

 3. The books for entrance exam preparation are made available in the library.

   No. of students beneficiaries   44

5.5 No. of students qualified in these examinations

NET ----   SET/SLET ----   GATE ----   CAT ---

IAS/IPS etc ----   State PSC ---   UPSC ---   Others --

5.6 Details of student counseling and career guidance

To evaluate performance of students in terms of academics and the organic growth and to give personal support in dealing with problems so that the students regain their ability to work effectively in the real-life situations; NVPAS has strong and efficient counseling system.

The college has its counseling committee with a counseling coordinator and sectional coordinators for monitoring effective implementation and execution of counseling policies adopted by the college. For this, academic year Mentoring Coordinator is provided with a team of 55 mentors/counselors.

To strengthen the process and to encourage the counselors, the Best Counselor Award is declared every year. This year the award was bagged by Dr. Urvish Chaya(B.Sc.) and Mr. Ghanshyam Parmar (B.C.A./M.Sc.(CA&IT)).

Career Counseling: "Career Quantum" is unique forum which conducts the programs for Final Year students to know about various career options/P.G. programs available after bachelor's degree. By this forum, every year expert faculties are invited to guide the students of final semester. These invited faculties are from the esteemed institutions like ISTAR, ARIBAS and other PG Institutions of SARDAR PATEL UNIVERSITY. They provide proper information and guidance in their subject areas.

No. of students benefitted

| 1683 |

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
01	25	Result Awaited	05

5.8 Details of gender sensitization programmes

To provide a safe environment and equal opportunity for women in the college CWDC (College Women Development Committee) is framed by the college.
Women faculty members from various departments are the members with one coordinator. The Ladies Representatives of various class are the members of the CWDC in our co-educate environment. The cell believes in gender equity.

The mandate of the cell is to provide a healthy and amiable atmosphere to the students, teachers and non-teaching staff. They can work together in an environment free of violence, harassment, exploitation, and intimidation. This includes all forms of gender violence, sexual harassment, and discrimination on the basis of gender. Every member is expected to be aware of the commitment to the right to freedom of expression and association, it strongly supports gender equality and opposes any form of gender discrimination and violence.

On 11th February 2016, an awareness proramme for Sexual Harassment was
organized by arranging, skit, elocution competition, poster competition, guest lecture for college girl students. Dr.Bhavna Chauhan(Professor, Home Science College, SPU) and Dr. Monica Patel(Head, Computer Dept., GCET Engg. College) had served as Judges for the events. Dr. Bhavna Chauhan had also interacted with girls students for guiding them about sexual harassment

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

State/ University level | 151 | National level | 11 | International level | --- |

No. of students participated in cultural events

State/ University level | 19 | National level | 01 | International level | -- |

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

Sports : State/ University level | 04 | National level | --- | International level | --- |

Cultural: State/ University level [13]   National level [01]   International level [--]

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	04	59,000/-
Financial support from government	187	43,00,150/-
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

5.11   Student organized / initiatives

Fairs   : State/ University level [nil]   National level [nil]   International level [nil]

Exhibition: State/ University level [nil]   National level [nil]   International level [nil]

5.12   No. of social initiatives undertaken by the students [02]

5.13 Major grievances of students (if any) redressed:

Grievance	Redressed
Repairing of Toilet Block	Toilet Block has been Repaired
Seating arrangement in Talk zone	Chairs have been provided

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Natubhai V. Patel College of Pure and Applied Sciences (NVPAS) was established in 1996 with the following vision and mission.

➤ **Vision-** We are determined to constantly strive towards excellence in science education and research by promoting academic freedom, experimentation with new paradigms and creativity in complete alignment with the principles of human well being and social welfare.

➤ **Mission**- College has an aim to impart quality education and cultivate a community of enlightened minds with insatiable thirst for knowledge who acquire and apply scientific knowledge within the compass of ethical, ecological and economic values for the sustained and inclusive growth of society and nation.

6.2 Does the Institution has a management Information System

Yes. The college has introduced web based facilities like MOODLE and FLINNT for teachers/mentors and students for communication under which almost all students are covered.

6.3 Quality improvement strategies adoptedby the institution for each of the following:

6.3.1 Curriculum Development

1. Choice Based Credit System has been implemented from 2010 among all colleges of Sardar Patel University
2. The curricula are revised   time to time by university for all subjects. The faculty are members of Board of Studies in various subjects.

6.3.2 Teaching and Learning

In order to strengthen the Teaching and Learning process and to make it more student-centric, number of processes are in practice. Along with the basic, traditional method of teaching like chalk and duster method, number of other methods such as group discussion, quiz, seminar presentation are regular practices of institution. The use of ICT in teaching is enhanced.

- Recently the addition of one more tool for communication through ICT –i.e. introduction of **Flintt and Moodle** has been made. An Interactive interface "Flinnt" and "Moodle" has been established between students and teachers through which teachers communicate with the group of students. This tool helps in sharing with students the reading material, notes, score of evaluation, instructions etc. with ease and in very short time.
- Number of Certificate and Add on courses are added by the various departments of the college to keep the students abreast with the latest trends and techniques in relevant fields.
- Seminars/workshop/conference are organised by the Departments on different subjects to provide students a platform to interact with the peers.
- "Hands on training" are planned by some departments.
- Faculty Development Programme for teaching and nonteaching staff were conducted.
- Teaching is strengthened by conducting and tutorial and Remedial classes for first year students to solve out their academic difficulties.
- More number of classrooms are provided with LCD system so as to have more use of ICT for teaching and learning at FY , S Y and T Y level.

- A special teaching for preparation of Entrance Exam for P G Courses is on a regular basis through Entrance Examination Preparation cell (EEPC) and NBTCBC(Network of BioTechnology for Capacity Building Cell) sponsored by GSBTM(Gujarat State Biotechnology Mission)

6.3.3 Examination and Evaluation

- The students'performance is regularly assessed by taking the internal examination every week for all the classes of B Sc.; BCA and M.Sc I T. The semester wise time table for internal examination is communicated to students through   Examination Committee of College in the beginning of term. Every semester has on an average eight weekly tests in the internal exam. The tests for first term begin in month of July and end in September. The second term tests begin in Dec and end in February.
- Evaluation guidelines are prepared by the Examination coordinator of the college with team members and Heads of the departments. Evaluation guidelines are circulated amongst all the faculty members and students of the college through notices/display. The Exam Coordinator circulates guidelines about mark distribution and evaluation pattern, assessment deadlines and mark sheet submission deadlines to all departments through notices and through exam committee members .
- This committee ensures the smooth conduct of Internal and External (University) examinations throughout the year.These tests are conducted on Monday with strict invigilation and the assessment is done in given week time and the marks are communicated to students as well as parents.
- This is followed by preliminary examination. The answer sheets are shown to parents during open house and exam results are discussed with parents.The evaluation of students at regular interval helps one to know and understand the academic progress and the remedial measures in time to prevent failure.

Faculty performance evaluation is designed by three ways in order to improve their performance and talent based on their teaching skills and contribution to Co-curricular/Extracurricular activities, Extension activities and Research contribution. The Faculty performance evaluation is made through the following mechanisms:
- **Self Appraisal Method**: The faculty members are provided with self-appraisal format (also called as Academic Audit) or Annual Performance Index (API) which is duly filled and submitted by all faculty members regularly. It reflects the individual proficiency in academic, scholastic and research contribution. Self-appraisal forms are analyzed by Head of the institution and if required conveyed to the management.
- **Feedback from Peer Review: I**t is carried out by the Principal/HOD by making a surprise visit to the faculties theory/practical hours. He evaluates faculties for their teaching proficiency, efficiency, regularity and communication skills based on the prescribed format.
- **Evaluation by Students:** Review of faculty is also accomplished by student feedback where students provide their feedback in the prescribed format regarding the faculty of their concerned subjects.

6.3.4 Research and Development

The faculty members recognized as Ph.D. guides are actively involved in carrying out research activities, guiding students and making publications. The college has at present 41 ongoing research projects having total worth of Rs.2,14,64,138/- from various funding agencies likeGUJCOST, DBT, UGC, FES, DST, ISRO, MHRD etc. Presently seven faculty members have been recognized as Ph.D. guide by Sardar Patel University.

6.3.5 Library, ICT and physical infrastructure / instrumentation

The S. S. Patel Library of NVPAS is fully equipped with sufficient number of books and other resources and is continuously enriched with new books and facilities. Some of the salient features are as follows:

- Bar-coding system and soul software is employed for issue and return of books.
- Library is equipped with INFLIBNET to access different journals and to access research related articles.
- The college Library has introduced N-List facilities under INFLIBNET, under which the teachers can access the Cambridge Journals and other research journals enlisted under INFLIBNET.
- Wi-Fi facility allows internet facility to the students in the library premises.

The ICT and other infrastructure or instrumentation facilities are continuously upgraded by the college time to time. The major facilities are listed below:

- Most of the classes are facilitated with LCD Projectors
- Smart Board is introduced in English Laboratory
- One of the chemical science laboratory has been renovated.
- Microbiology department has purchased Lypholizer, MultiscanGO and Temperatre controlled Incubator (15-50°C)
- Chemical Science Department has purchased two Fumigation chambers.
- Research laboratories for Env Sci and for Biotechnology have been allotted.

6.3.6 Human Resource Management

The Human resources are utilized in best possible manner by institution and management. The academic as well as administrative responsibilities are shared by the faculty members. The services of qualified faculty are utilized in various other academic and administrative work also.

They prove themselves best as teacher, as counsellor, as visiting faculty to other institutions, as researcher, as administrator, as warden, as program officer/convenor/co ordinator for different activities.

Non teaching faculty also play a supportive role in fulfilling all the needs of institution.

The management sees to retain qualified & motivating faculty members and staff.Institution provides Encouragement to faculty for active participation and presentation in various seminars/conferences.

Management also provides financial support for organizing workshop, conference and for extension services both on and off the campus.

6.3.7 Faculty and Staff recruitment

Recruitment Procedure:

As per the norms and conditions of university and state Government, vacancies are notified in National and regional dailies keeping a reasonable time frame for receipt of filled in applications. A formal interview is carried out by a board comprising of One VC Nominee, Principal of the college, Chairman of the College Management Committee.

Selection of the permanent faculty is based on individual merit and overall score in the interview. After the appointment, the approval is sought from the syndicate of the affiliating university. If number of applicants are in very large numbers than screening test is conducted to shortlist the candidate for an interview.

6.3.8 Industry Interaction / Collaboration

The college has a strong collaboration in terms of MoU with following agencies :

1. PDPIAS CharusatChanga
2. Anand Agriculture University, Anand
3. Gujarat Council of Science and Technology, DST, Gujarat
4. Swiss Glasscoat equipment Ltd., V. U. Nagar
5. Infinity InfowayPvt. Ltd., Rajkot, Gujarat
6. Sophisticated Instrumentation Centre for Research and Testing, V. V. Nagar
7. PhycolincLinc Digital Systems Pvt. Ltd. Ahmedabad, Gujarat

NVPAS has large number of Industry interaction for placement and academic activities for student and teachers some of them are follows-

1. Life cell Baroda
2. TCS(Tata Consultancy Services)
3. Norris Pharmaceuticals, Ankleshwar
4. Regional Technical Training Centre, BSNL, Ahmedabad
5. Glenmark Industries, Ankleshwar
6. TranspeckIndustries,Baroda
7. Amul Dairy, Anand
8. Binani Cement
9. Mastercoat Industries Ltd.

6.3.9 Admission of Students

Students are admitted to the different programmes by adopting following methodology.

(A) Admission to first semester B.Sc.:
The admission to first semester is given by college on the first come first served basis.

First two semester of the B.Sc. programme has common subjects for Mathematics and Biology group students. The specialization in any particular subject is offered in 3_{rd} semester. The students from state board, central board or any other recognized board are eligible for the admission. The students who passed in 12th science in 'A' group are admitted to first semester B.Sc. Mathematics group, students who passed in12^{th} science with B group are admitted to first semester B.Sc. Biology group, while students passed 12th science with both 'AB' group can be admitted either to first semester B.Sc. Mathematics or Biology group as per their choice.

(B) Admission to 3_{rd} semester B.Sc.
The principle subject is offered at the 3rd semester of S Y B.Sc. A separate counselling of students is carried out and the subjects are offered on the basis of their merit of University Exam in First and Second Semester. A separate merit list for Mathematics and Biology group students are prepared. The merit number of the student is communicated to the parents also mentioning the date and time of counseling. In the admission counselling students are asked to select their subject of their choice on the basis of their merit number. Students with the Mathematics group are offered Computer Science, Information Technology, Instrumentation, Chemistry, Industrial Chemistry and Mathematics, while students with biology group are offered Biotechnology, Microbiology, Genetics, Bioinformatics Environmental Science, Chemistry and Industrial chemistry.

(C) Admission to B.C.A.
Admission to first semester B.C.A. is also given on first cum first serve basis to those students who passed 12_{th} science, commerce, or arts either from state board or any other recognized board with English as one of the compulsory subject.

(D) Admission to M.Sc. IT (integrated):
College has started five years integrated course in M.Sc. information technology (IT) from June, 2012. Admission to this course is also on first come first serve basis to those students who passed 12_{th} science/commerce.

(E) Admission to career oriented 'add-on' course:
College runs UGC funded career oriented course in 'Process Development in Industrial Biotechnology' from June 2010. This course is available only to the B.Sc. students of the college. There are total 60 seats in this course in which 30 seats are allotted to certificate course (1 year duration) and 30 seats are allotted to diploma course (2 years duration). Admission to this course is also on the basis of first come first serve basis. However students in 5_{th} and 6_{th} semester are eligible only for the certificate course and not the diploma course.

(F) Any other:

(1) Admission is open to those students who passed supplementary examination up to the month of August of current academic year.

(2) College also gives admission to those students who have some gap in between their studies by submitting the affidavit with the necessary documents.

(3) Lateral entry in 3ʳᵈ semester of B.Sc. is provided in some courses depending upon the availability of number of seats and permission and NOC from the alma matter.

(4) Students are encouraged to join certificate/add-on courses offered within same institute or in sister institutes of CVM

6.4 Welfare schemes for

Teaching	2
Non teaching	2
Students	3

Providing group insurance facility to all the staff.

YEAR	GROUP INSURANCE AMOUNT (Rs.)
2009-10	88,000/-
2010-11	140,000/-
2011-12	124,500/-
2012-13	126,000/-
2013-14	110,500/-
2014-15	99,000/-
2015-16	106,500/-

6.5 Total corpus fund generated

Rs. 69,12,816/-

6.6 Whether annual financial audit has been done

Yes   No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	------	Yes	College Committee
Administrative	Yes	Chartered Accountant firm M/s Appaji Amin & Company and Mr. Kiranbhai F. Patel Company	Yes	CVM

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

For UG Programmes   Yes ☐   No No

For PG Programmes   Yes ☐   No No

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

The University Examination Reforms Unit takes care of the exam related issues in consultation with the affiliated colleges and P G departments and introduces new practices time to time.
This year the assessment of first semester subjects was assigned to respective colleges by university. The university in its circular informed the colleges to form a core committee for the appointment of examiners and also to prepare the exam evaluation centre for smooth assessment work.
This year University also made reform in regulations for conduction of practical examination -
Decentralisation of Practical examination. Each college is given the responsibility to complete all the practical exams in time and submit the marks in time.

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

University promotes the autonomy in affiliated colleges which are accredited with 'A' or 'B' grades

6.11 Activities and support from the Alumni Association

Alumni's contribution:
Alumni supports in different ways to institution
- The alumni has proved as the best source for College admission. They are the brand ambassadors who spread the information of institution to others and make them to come, to bring others and join this institution
- Alumni also supports conduction of any event or cultural program
- Alumni serve as very good guide to their juniors for choosing career options
- Alumni render their support during industrial visits
- Alumni Help in various activities of madhyastha samiti

- They Contributed books in book club
- They delivered Expert lecture
- Assistance of Alumni in conducting Campus interview
- Alumni helped in creating physical facilities for institute.

6.12 Activities and support from the Parent – Teacher Association

The official parent teacher association has been established this year. The Parents who showed interest to be a member were called separately and the student related issues were discussed with them. The enlightened parents expressed their views on the functioning of various college systems and also provided valuable suggestions. For general meet with parents, College organizes open house twice a year where all parents are invited by sending letter to them. The process takes place in following way.

 Invitation letters to parents are dispatched in advance and the letter has details regarding the date, venue and result card of their wards with special mention about the highest marks scored in each subjects.

Open house is organised on week end and teaching faculty are allotted duties in specific class room based on the subjects taught by the faculty.

Registration committee welcomes parents with their wards and are given the merit number of their ward with average of attendance.

Parents with their ward then visit each subject teacher and counsellor for direct interaction, for observation of answer sheets, for remedial measures.

6.13 Development programmes for support staff

- With an aim to enhance the proficiency of the non-teaching or laboratory staff, the college conducts various activities and programme in and outside the college. Also the staff members are encouraged to develop their skills and knowledge in various ways. Some of them are as follows:
- Non-Teaching staffs are encouraged to attend seminars relevant to their subject and occupation.
- Organising training for handling computer and using different software associated to their work specially for library and office staff.
- Providing training to the College office staff to use tally software.
- The college librarian is skilled with the uses of SOUL software for maintaining all records of books/magazines properly.
- The administrative and supporting staff is trained to use new machines and equipments like Photocopier, Printer, Scanner etc. The concerned nonteaching staff is given training for use of softwares in office/ library
- Trainings are organized for all laboratory assistants regarding new instruments and new practical course curriculum.

6.14 Initiatives taken by the institution to make the campus eco-friendly

Institution has taken various initiatives to make the campus eco-friendly:
- Institution goes for tree plantation every year for enhancing the green biodiversity of the campus.
- The medicinal plant garden has been developed with more than 50 different species of significance
- Nature club of college organizes various programmes to spread awareness about environmental pollution and preventive measures among students and society
- The Carbon Foot-print Club (CFC) aims at spreading awareness among students and society regarding the emission of Carbon Dioxide and knowing their own carbon foot print. Various activities are organized by this club to enhance awareness and conserve mother earth.
- The Energy Conservation Club(ECC) is established by Department of Physical Sciences this year on 2nd February'16 with an aim to sensitize the students about the importance of various aspects of Energy Conservation which thereby leads to the eco-friendly environment.
- Energy consumption in classroom, laboratories, auditorium, corridors and quadrangle is closely monitored. Students are instructed to switch off the power immediately after classes or labs are over.
- The discipline committee and student representatives ensure that the classrooms and campus are kept clean. Dust bins are kept at all places to maintain cleanliness.

Criterion – VII

7. Innovations and Best Practices

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

1. **Energy Conservation Club**

Goal/Aim

To sensitize the students about the importance of energy conservation in the present context and to help them self-discover the means and methods of energy conservation, by instilling into them the quest for its viable solutions.

Context

Often we are very much concerned in our day-to-day life about the rising cost of living, inflation rates and sometimes even about the stock market at times. However, we hardly give a thought on energy conservation. Energy conservation is definitely not an issue that will take a significant place in our day to day lives; however it is one of the most important issues that need to be addressed.

Each one of us uses energy in some form or the other all day long, throughout the year. Almost every small thing we do requires energy right from cooking to transportation to lighting, cooling and even entertainment. We depend on energy for almost everything in our lives. We wish to make our lives comfortable, productive and enjoyable. Unfortunately, what we do not realize is that we have started taking things for granted and we have started wasting energy unnecessarily. Most of us forget that energy is available in abundance but it is limited and hence to maintain the quality of life, it is important that we use our energy resources wisely. If we do not conserve energy, the energy will exhaust and we will have nothing to use.

Practices
- Celebration of National Energy Conservation Day : organizing a one-day seminar every year to mark the National Energy Conservation Day in the college.
- Demonstrations by students : demonstrations of energy conserving devices to the students inside and outside the college
- Organizing Poster making competitions

Evidence of Success
- Participation of students
- Involvement of other government and non-government agencies in the programs
- Outreach activities
- Reports of activities with photographs

Problems Encountered

- ➤ Lack of awareness amongst students.
- ➤ To keep pace with the rapidly worsening energy utilization scenario.

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

Most of the plans chalked out in the beginning of the year are successfully executed.

1. Department of Biotechnology started a Certificate Course
2. Department of Computer Science started a Certificate Course
2. Dept of English started a Certificate Course
3. Department of Chemical Science started an Add-on Course
4. Dept of Mathematics started classes for IIT-JAM preparation for Mathematics

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

1. Gyandhara

2.Carbon Foot Print Club

* Details are given in annexure (Annexure-III , IV)

7.4 Contribution to environmental awareness / protection

1. Activities organized by Carbon Foot-Print Club and Nature Club

2. Activities organized by Energy Conservation Club

7.5 Whether environmental audit was conducted?   Yes [√]   No [ ]

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

Strengths:
- Qualified experienced and dedicated faculty.
- Supporting management
- Favourable professional environment for the organic growth
- Extensive use of ICT in teaching learning.

Weakness:
- Lack of space for further development of campus.

Opportunities:
- More linkages with industry/academic organization.
- Preparing students for global competence.

Threats:
- Detrimental competition due to budding up of many educational institution.
- Sufficient strength of students & maintenance of infrastructural amenities
- Developing communication/soft skills among students of vernacular medium.
- Retaining well qualified human resources.

8. **Plans of institution for next year**

Planning for autonomy as per UGC guidelines

Renovation of College infrastructure

To strengthen E learning

To develop skill development programs

Name: Dr. Rita N. Kumar   **Name: Dr. Basudeb Bakshi**

_____   _____

Signature of the Coordinator, IQAC   **Signature of the Chairperson, IQAC**

N.V. PATEL COLLEGE OF PURE & APPLIED SCIENCES

01-01-2016

ACADEMIC CALENDAR 2015-16 (Term:II)

(B.Sc./B.C.A./M.Sc.IT – Even Semester)

Semester   : 30.11.2015 to 11.06.2016

Unit Test   : Commencement from 18.01.2016

Sports Day   : 19.01.2016

Open House   : 14.02.2016

Practical Internal Exam   : 07.03.2016 to 12.03.2016

Preliminary Theory Exam   : 14.03.2016 to 19.03.2016

University Theory Exam   : 28.03.2016 onwards

Summer Vacation   : 02.05.2016 to 11.06.2016

* Above schedule is subject to change as per university circular.

(Basudeb Bakshi)
PRINCIPAL

N.V. PATEL COLLEGE OF PURE & APPLIED SCIENCES

30-06-2015

ACADEMIC CALENDAR 2015-16 (Term-I)

(B.Sc./B.C.A./M.Sc.IT – Odd Semester)

Semester	: 22.06.2015 to 12.12.2015
Unit Test	: Commencement from 27.07.2015
Open House	: 23.08.2015
Practical Internal Exam	: 21.09.2015 to 28.09.2015
Preliminary Theory Exam	: 01.10.2015 to 10.10.2015
University Theory Exam	: 19.10.2015 onwards
Diwali Vacation	: 09.11.2015 to 28.11.2015

* Above schedule is subject to change as per university circular.

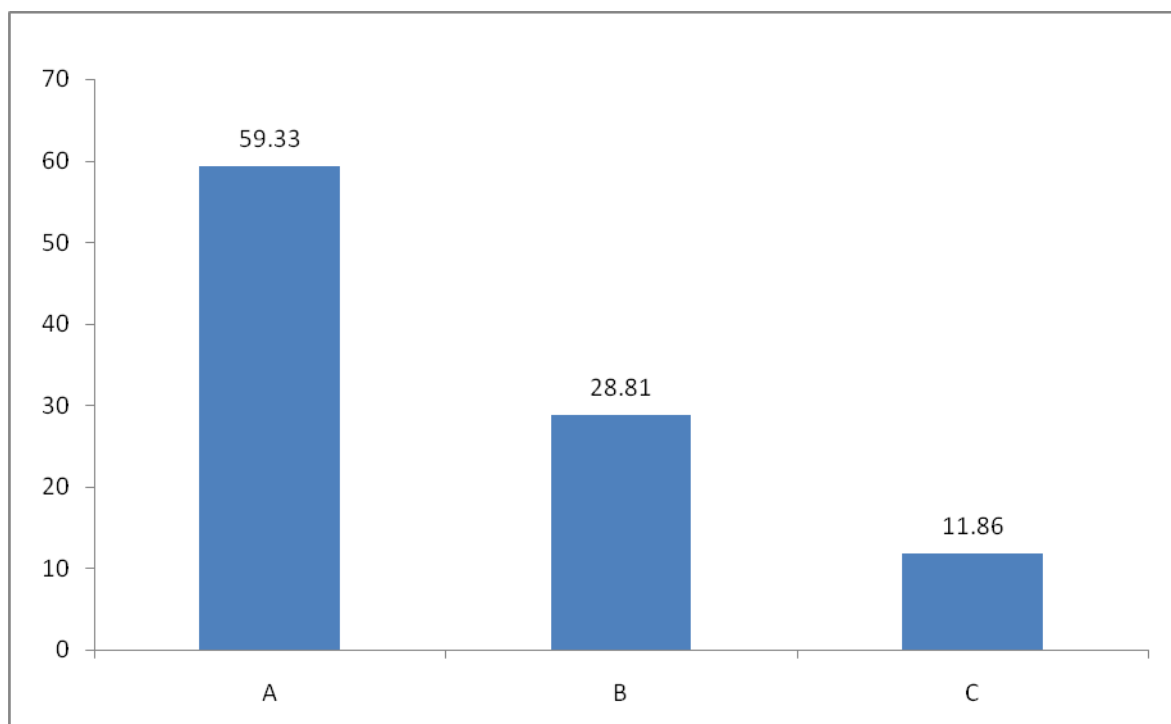**(Basudeb Bakshi)**
PRINCIPAL

Annexure: II Analysis of Feedback

An analysis of the feedback: Stakeholders' Overall Evaluation 2015-16

Feedback by	Feedback on	A	B	C	Total
Students	Library	16	8	5	29
Students	Curriculum	13	6	1	20
Subject expert	Curriculum	6	3	1	10
	Overall	35	17	7	59
	Overall%	59.33	28.81	11.86	100

*refer to multiple responses given in the feedback forms

Graphical Representation of Stakeholders' Overall Evaluation 2015-16

A, B and C – refers to multiple responses given in the feedback forms

1.   **Gyandhara**

This practice was initiated on NSS Day celebration (24.9.14) as novel and noble practice

1.Goal:

- ➤ To provide education to academically weak students who cannot afford extra coaching
- ➤ To motivate needy students to continue their education in adverse circumstances
- ➤ To decrease the drop-out ratio of students
- ➤ To involve students' participation in this noble activity, and thereby instill in them sense of social responsibility

2. **The Context:**

In India the rate of school drop-outs is very high. In addition to poverty, rapidly growing size of population, shortage of teachers, books, lack of basic facilities and insufficient public funds to cover education costs are some of the nation's toughest challenges. When earning a livelihood and taking care of the family members become a primary matter of concern in one's life, education stands a little or, very often, no chance of pursuance. For the underprivileged people in India, education is perceived as a high-priced luxury, and this negative outlook continues with every new generation.

Determined to fight against this social stigma the NSS unit of NVPAS conceived an innovative activity.

3. **The Practice:**

The slum area of Hari Om Nagar in Vallabh Vidyanagar is selected for this purpose. Selected group of volunteers is personally called for the meeting and informed about the date and time of the Gyandhara session well in advance. After the college timings the in-charge teachers, along with volunteers, reach the venue by the college vehicle. Some volunteers go to all the nearby streets and inform the children about the session. The volunteers sit with the children on the floor to make them feel at ease and smooth functioning of the session.

4.Evidence of Success:

Year	Total No. of Member Students	Dates of sessions	No. of Volunteers participated	No. of Beneficiaries
2014-15	119	22.01.15	14	32
		18.02.15	14	31
2015-16	175	29.06.15	22	60
		22.07.15	11	36
		24.09.15	11	40
		18.01.16	17	30

The results of this practice are encouraging. Now the children of that area wait for Gyandhara sessions. They take due interest in learning their subjects. Besides, they share their subject related queries with the volunteers.

5.Problem Encountered and resources required:

➢ Lack of sufficient time for sessions is the biggest constraint.

➢ No actions can be taken for punctuality of the beneficiaries.

➢ During the internal and external exams, sessions can't be conducted.

6.Notes (Optional)

2. Carbon Foot Print Club

Carbon Foot Print Club is a unit working towards the conservation of energy and environment

Goals: The goal of CFP is to orient the students towards the increasing level of Carbon in atmosphere and to have approach towards reducing Carbon level.

Objectives :

1. To create an awareness among students and society about energy saving and environmental protection.
2. To develop community spirit of better civics and traffic sense
3. To carry out survey of Industry/ organization to measure carbon foot print and monitor the progress
4. To publish in house magazine
5. To instill and inculcate the leadership qualities among students
6. To make youth responsible citizens by knowing their carbon foot print
7. To prepare local calculator for carbon foot print

Context:

Carbon foot Print Club was formed with the idea of creating awareness among students, amongst community about the CO2 emission and knowing own Carbon foot print. This club came into existence due to joint venture of Biological & Environmental Science with Hi Speed Turbo Ltd. of GIDC, Vitthal Udyog nagar. It has been established with an aim to develop community spirit of better civics and environment protection sense. It develops a leadership quality among students for carrying out the work for themselves, their family, organisation and society.

Practice:

Carbon foot Print Club operates through the executive committee. The patron members college Principal and industry owner.

The HOD acts as Convenor. The Coordinator and advisory committee members are from teaching faculty. Executive committee holds various positions such as President, Vice President, Secretary, Joint Secretary, Treasurer which are selected from the students based on their interest and abilities.

Meetings are organised at regular intervals for proper planning of forthcoming events. The committee prepares the outline of the program and distributes the the work accordingly.

Year-wise activities in the form of Quiz, Essay, Poster, Poem, Slogans, Articles, Elocution at Intercollegiate and college level are are conducted. Carbon day, National science Day ,International Day for Prevention of Ozone layer, World Wetland Day, World Tiger Day, World Population day etc. were celebrated with various acivit

Evidence of Success:

1. The Carbon Foot Print Club Executive Committee maintains different portfolios involving student team members
2. The CFP club successfully carries out its activities in these portfolios. E- magazine, Outreach activity, CFP monitoring, Leadership and training, Creativity and awareness.
3. The e magazine is successfully published on college website
4. Outreach programs on Carbon day celebration were conducted in different academic institutions by student members

Problem Encountered:

1. To develop students' interest in such co curricular activities
2. Constraint of time frame to work