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# Charutar Vidya Mandal's NATUBHAI V. PATEL COLLEGE OF PURE AND APPLIED SCIENCES



From the Chief Editor's Desk

By: Dr. Basudeb Bakshi



I am delighted to release the third issue of biannual e-magazine SPECTRUM- *The Measure of Progress* November 2015 - March 2016. This issue would be a snapshot of the various activities and accolades of all associated with NVPAS.

It is really heartwarming to put together all these exposition. These merits and credits have seldom been known to public and the authority due to the lack of showcasing or projecting through a medium. This magazine will bridge the gap between achievements and publicity. Activities published—that too not all—are sufficient to prove my claim that NVPAS is progressing at an exponential rate. All credits and thanks go to the dedicated staff and their team work. I firmly believe that team work divides the task and multiplies the success. The Editorial Board is indebted to Dr C L Patel, Chairman, Charutar Vidya Mandal (CVM) for his keen interest and kind support. I wish good luck to all my dear students for their University examinations ahead. Thank you all!!!

## NVPAS Completion of NAAC Accreditation 2nd Cycle



The NVPAS college thrives for Quality Education since its inception.

Completing 20 years of establishment, this institution has set its own standards and achieved a remarkable position among the colleges of Gujarat. The Institution was evaluated earlier in 2009 for its quality parameters by National Accreditation & Assessment Counsel (NAAC ) and was accredited "A" grade. The college became the first college of Sardar Patel University to get "A" grade by NAAC. This NAAC at Bangalore (Established by UGC) works for measurement of quality of Colleges/ Universities by assessing the institutional Self Study Report (SSR) and visit of institution by Peer team.

Towards the goal for excellence, NVPAS has entered the 2<sup>nd</sup> Cycle of Accreditation for which the NAAC Peer Team visited the institution on 3<sup>rd</sup> to 5<sup>th</sup> March, 2016. The purpose of the visit is aimed at positive introspection, to validate the Self- Study Report and

help the College in quality assurance. The Peer team comprised of eminent academic experts

(i) Chairman- Dr Gurdeep Singh, Vice Chancellor, Vinoba Bhawe University, Harzaribagh, Jharkhand

(ii) Member Co ordinator - Dr Anup Kumar Sikdar, Former Principal, Ramsaday College, Amta, Howrah

(iii) Member- Dr Pratosh Bansal, Dept of Information Technology, Devi Ahalya Vishwavidyalaya, M P

The Peer team was given grand march welcome by NCC cadets. The Team was then welcomed and given floral felicitation by Principal Dr Basudeb Bakshi and Co ordinator Dr Rita N Kumar. The three day schedule prepared by Member Co ordinator of Peer team was followed.

It started with the presentation of Principal Dr Bakshi reporting the overall college activities and progress. IQAC Coordinator in her presentation talked about the quality control, improvement, measurements, activities of IQAC cell. This was followed by visits to various departments.

The Peer team visited all the eight departments and other assets of institution such as Library, Girls Hostel, Boys Hostel, Play Ground, Medicinal Garden etc. during their three days visit as per the schedule. They also had interaction session with students of college. The parents and alumni



meetings were addressed by them and healthy interaction took place. The team also had special meetings with teaching faculty and non teaching staff separately. The verification of documents/ files at department and office was made in transparent manner.



The Exit meeting was conducted on 5<sup>th</sup> March, 2016 where Chairman expressed his views and submitted the report to Principal Dr Basudeb Bakshi and Co ordinator Dr Rita Kumar. The Chairman during exit meeting spoke about making constant endeavours to sustain quality and to go ahead towards excellence. The energetic and enthusiastic team motivated and recharged us towards the true meaning of Living life through their living. The peer team members were found as very keen observers, considerate, soft spoken, with gentle co operative approach during all the sessions. NVPAS highly appreciates the transparent, neutral assessment of institution by Peer team.

NVPAS looks forward towards reaching new heights during NAAC accreditation 2<sup>nd</sup> Cycle and awaits the declaration of result.

# Madhyasth Samiti 2015-2016

President – Dr. Basudeb Bakshi

Vice-President – Dr. Madhumati Bora

General Secretary – Mr. Parth Thakur

## FACULTY OF MUSIC, DANCE AND THEATER

As a part of the Independence Day Celebration the portfolio organized a cultural event called SADBHAVNA in the College Premises on 20-08-15. The event involved participation from the college students into various activities based on the theme of patriotism like dance and singing. As a part of Teachers' Day Celebration, the portfolio organized a programme entitled GYANPARVA on 22-12-15 wherein students performed dance and singing.



## KNOWLEDGE SHARING FORUM

Nearly 250 students appeared in screening for Knowledge Sharing Forum on 02.09.15 out of whom 107 students were selected to be the members of KSF. The inaugural Function of Knowledge Sharing Forum was organized on 09.09.15 at the college auditorium. Dr. Madhu Menon, a social activist inspired students to take part in activities related to knowledge sharing forum.

## EXTENSION UNIT

The NSS Unit organized a Tree Plantation Camp on 29.01.16 at the adopted village Dahemi. The NSS Programme Officers, along with Principal Sir, IQAC Coordinator and 70 volunteers planted 100 saplings. Mr. Jashbhai Patel, a leading villager and some other villagers also helped for the same.



## FACULTY OF ARTS

Faculty of Arts conducted a series of events on 21st and 25th August, 2015. These events were conducted for selection of students for participation in youth festival conducted by Sardar Patel University. Events conducted on 21st August 2015 were Rangoli, Cartoon making and Poster making and the events held on 25th were On the Spot painting, Collage making and Spot photography.



## FACULTY OF SOCIAL SERVICE

On 11-07-2015 Footwears were distributed among the residents of Old Age Home 'Ananddham' at Lambvel, Anand by an NSS volunteer Mr. Umang Panchal.

25 blankets were distributed at Anand Railway Station and Bus stand area of Anand by Dr. Yogesh Patel and NSS volunteers on 01.01.16.



## FILM CLUB

Event 1: A documentary titled "India's Missing Girls" was screened on September 10, 2015. The aim of showing the documentary was to bring awareness about female foeticide and its adverse impact in society.

Event 2: A documentary entitled "Ragging – It Hurts" was screened on February 08, 2016. The aim of showing the documentary was to make the students aware about the adverse effects of ragging.



## RED RIBBON CLUB

The Red Ribbon Club celebrated the International Youth Day on 12-08-2015 wherein more than 150 students participated. Dr. Manisha Gohel, the M.D and Associate Professor at Community Medicine at Pramukh Swami Medical College, Karamsad delivered a lecture on HIV/AIDS Prevention. She, with the help of a power point presentation, elucidated to the students the difference between HIV and AIDS.

World AIDS Day celebration was organized on 01.12.15 wherein students participated in Poster making event. Dr. Amit Ballani, Faculty in the Dept of BT, GT, BNF of the college delivered a guest lecture on HIV/AIDS Awareness in the college auditorium.



## NATIONAL SERVICE SCHEME (NSS)

### ANNUAL NSS CAMP (2015-16)

The NSS Unit of the college organized ANNUAL NSS CAMP at Alarsa village (Ta: Borsad and Dist: Anand). The camp was held from 03.01.16 to 09.01.16. Total 150 (One Hundred and Fifty) students participated in this camp. The activities carried out during this camp. Yoga was conducted from 6 am to 7 am every day, Rally, with posters based on the subjects 'Addiction Eradication' and 'AIDS Awareness', Sky Gazing, Demonstrations on 'Superstitions Eradication', Bird-Watching, Save and Conserve Energy, Different faculty members of different department delivered lecture on 'Save Money, Save Energy and Secure Future', 'Women Empowerment through Self-employment', 'Importance of cleanliness for good health', 'Technology in Agriculture' and 'Water and Food based disease', 'Superstitions Eradication', Mehndi Competition, 'Blood Donation Camp', Essay Writing Competition, Drawing Competition and Elocution Competition for school students, 'Free Eye Check-up Camp', Teacher training program, Street plays on the themes of 'Save Girl Child' and 'Clean India Mission', 'Free Medical Check-up Camp' etc.



### NSS-REGULAR ACTIVITY (2015-16)

Footwears were distributed among the residents of Old Age Home 'Ananddham' at Lambvel, Anand, Blood donation Camp on 24-07-2015, A One Day NSS Camp was organized on 18.08.15 wherein 45 students participated in cleaning of college premises. In association with Indian Red Cross Society, Gujarat State Branch, Ahmedabad organized a Thalassemia Awareness and Screening Camp on 10.02.16 wherein 265 students provided blood samples for screening. Besides, a medical student Mr. Ayush Modi oriented all the students of First Year regarding Thalassemia Awareness with the help of a power point presentation.



## NATIONAL CADET CORPS (NCC)

**Cadet Amit Bhatt** secured Best Cadet, first position in Essay writing and Poster making in CATC-III Camp. Best Cadet Gujarat Directorate, SD Army Wing in IGC Camp. Selected for Republic Day Camp 2016 at Delhi. 2nd Best Cadet in Gujarat in Army Wing  
**Cadet Heena Gondoliya** participated in an Adventure camp held at Himachal Pardesh from 18th May to 30th May 2015 and has also been selected for the Parabasic Camp held at Agra from 2nd Nov to 24th Nov 2015.



## ALUMNI ASSOCIATION

Department of Physical Science organized a Talk on scope of instrumentation in abroad by Mr. Sitansh Vaghela (Singapore) on 21st July 2015 and by Mr. Arpit Arvadia, Asst. Professor in Morbi College and Ms. Dupal Patel (Trainee teacher at NVPAS) on 5th Dec, 2015. Annual Alumni Meet was held on 14th December, 2015 alumni students from different departments were felicitated for their achievements. Department of Computer Science organized a Talk on "Scope of IT" by Mr. Hardik Trivedi, CEO and Founder of Om Infosolution on 19th Feb 2016.



## ANTI-TOBACCO CELL

The Anti-tobacco Cell, in association with NSS Unit and Energy Conservation Club organized a One-Day Camp at the adopted village Dahemi on 19.02.16. Total 170 volunteers participated in this camp. 72 posters were exhibited in the Radha Krishna Vidya Mandir. The volunteers also participated in rally and performed street plays on the theme of 'Addiction Eradication' and oriented the villagers about health related harms caused due to consumption of tobacco and tobacco products. Some volunteers also explained the school children some ways and means of 'Energy Conservation with the help of demonstration of scientific models. The Principal, College IQAC Coordinator and Heads of all departments were present on this occasion.



## ENERGY CONSERVATION SEMINAR

The Department of Physical Sciences organized a One-Day Seminar on Energy Conservation: "Save Energy Save future" on 2nd February 2016 in the joint auspices of C. C. Patel Community Science Centre, Sardar Patel University. The Seminar was inaugurated by Dr. S. G. Patel, Hon. Jt. Secretary, Charutar Vidya Mandal. Dr. B.G. Desai Director, Jyoti Limited Company, Baroda and Member of Energy Conservation Club India and delivered Key note addresses. It was followed by Poster and Oral presentation competitions for the students of the college. 125 students participated enthusiastically in the competitions. The department is organizing this seminar in collaboration with C. C. Patel Community Science Centre since last ten years.



## STATE LEVEL WORKSHOP ON MOBILE APPLICATION DEVELOPMENT

Department of Computer Science organized one day state level workshop on Mobile Application Development using Android Technology in association with Computer Society of India (CSI) Vallabh Vidyanagar Chapter on 24th February 2016 were total 85 students from different college of Gujarat have participated.

## INTER COLLEGIATE STATE LEVEL MODEL MAKING COMPETITION KAUSHALYA-2016

Intercollegiate model making competition was organised by the College named Kaushalya-2016. More than 300 participants participated in the event. The competition was divided in different categories of Biological Sciences, Chemical Sciences, Physical Sciences and Instrumentation, and Mathematical Sciences. There were 55 projects in Chemical Sciences, 43 in Biological Sciences, 24 in Physical sciences and 22 in Mathematical Sciences. The event was inaugurated by Prof. J. D. Patel, I/c Secretary CVM and Dr. Ujjwal Trivedi Hon. Director CSC, SPU



## GIBION - 2016

27th State level intercollegiate competition organised by Gujarat State Biotechnology Mission (Gandhinagar) & J & J microbiology study circle (GiBion) at Naran Lala College of Professional and Applied Sciences, Navsari on Feb.14, 2016. 24 Colleges from all over the state participated and there were more than 600 participants. The students of our college brought Laurels by securing positions in the said competition. The winners in various competitions were:

1. Ms. Krishna Patel & Fazila Patel (T.Y. Micro) secured First Position in BIO-QUIZ
2. Ms. Hemal Shah (T. Y. Micro) secured First Position in Extempore.
3. Ms. Akshitha Krishnan (T. Y. Micro) secured Third Position in Article Writing
4. Mr. Ronik Ratneshwar (T.Y. GT) Secured Third Position in T. Y. Seminar.



## MINAXI LALIT SCIENCE AWARD-2016

### WINNER OF STATE LEVEL

Sr. No.	NAME	CLASS	SUBJECT
1	SHREY RAKHOLIA	S.Y.BSC	ENVIRONMENTAL
2	ZANKRUTI ROHIT	T.Y.BSC	BIOTECHNOLOGY
3	POONIA KANIKA	T.Y.BSC	ENVIRONMENTAL

### WINNER OF SARDAR PATEL UNIVERSITY

Sr. No.	NAME	CLASS	SUBJECT	POSITION IN S.P. UNIV.
1	PREKKSHA PATEL	T.Y.BSC	MATHS	1
2	ARCHANA PATEL	T.Y.BSC	MATHS	2
3	AVANI PATEL	T.Y.BSC	ZOOLOGY	1
4	DWIYA PARMAR	S.Y.BSC	GT/ZOOLOGY	2
5	SHREY RAKHOLIA	S.Y.BSC	ENVIRONMENTAL	1
6	POONIA KANIKA	T.Y.BSC	ENVIRONMENTAL	1
7	BHAVIK PATEL	T.Y.BSC	ENVIRONMENTAL	3
8	ZANKRUTI ROHIT	T.Y.BSC	BIOTECHNOLOGY	1
9	AISHWARY JOSHI	T.Y.BSC	BIOTECHNOLOGY	2
10	PARITH THAKUR	T.Y.BSC	BIOTECHNOLOGY	2
11	KRISHNA PATEL	T.Y.BSC	MICROBIOLOGY	1
12	HEMAL SHAM	T.Y.BSC	MICROBIOLOGY	2
13	FAZILA PATEL	T.Y.BSC	MICROBIOLOGY	2

BEST PAPER AWARD received by  
Dr Yachana Jha & Dr Anjali Kulkarni



## SPORTS



## GOLD MEDALS SECURED BY OUR STUDENTS AT S. P. UNIVERSITY T.Y.B.SC. EXAMINATION APRIL 2015

Sr. No.	Name	Subject	Name of Gold Medal
01	Mr. Yash Vinod Bhatt	Industrial Chemistry	"Dipee Chemicals Private Limited (Ankleshwar) Gold Plated Medal"
02	Ms. Krishnaben Mukeshbhai Patel	Mathematics	"Prin. N.D. Desai Gold Plated Medal"
03	Ms. Riya Shah	Biotechnology	"Charutar Vidya Mandal Gold Plated Medal"
04	Ms. Vaibhavi Vijaybhai Lathigara	Environmental Science	"Charutar Vidya Mandal Gold Plated Medal"
05	Mr. Priyesh Rugmangandan Pillai	Information Technology	"Charutar Vidya Mandal Gold Plated Medal"
06	Ms. Meera Mitinkumar Patel	Genetics	"Dr. B.R. Patel Gold Medal"
07	Mr. Jaspreetsingh Gurjitsingh Pabla	Bioinformatics	"Dr. B.R. Patel Gold Medal"
08	Mr. Yash Vinod Bhatt	Industrial Chemistry	"Dr. D.A. Raval Gold Medal"