



Shri Bharat Bhai Bavisi  
Chairman G.B.

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**“Education is the most powerful weapon which you can use to change the world.”**

**Nelson Mandela**

# *Shri Gujarati Samaj, Indore* **PMB Gujarati Science College** *Accredited with grade 'A' by NAAC* **PERIHELION**



*Quarterly Newsletter -  
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## *From the Desk of Principal*

This is the first issue of 'Perihelion' after I took charge as Principal of the college. We are in the last quarter of the year. As always, we have been conducting semester end exams smoothly. Sixth semester students have already begun with their classes.

I am positive that we will continue to work as a team so that we take the institution towards higher levels of achievement. Relentless pursuit of excellence should be our motto and if both, the staff members and students,

bear this in mind, there is no reason why we should not be able to accomplish our goals. I would like to lay emphasis on two things, namely more research work and more hard work on the part of the students for better results. I extend my sincere good wishes to staff members and students for their achievements and I am hopeful this trend continues in future. I wish everyone a very Happy and prosperous New Year ahead.

**Dr Kumud Modi**

## *News at a Glance*

**Dr. Kumud Modi** took charge as Principal of the college in October 2015.

**Mr. Mayur Mota** was nominated as a member, Board of Studies, DAVV Indore for the year 2015 -2018 & has also been nominated as Secretary, Staff Council of the college.

**Dr. Rushina Natu** presented a research paper on 'Drug Design' in the International Seminar organized by World Research Council at Dubai on 7-8 December 2015 in which 110 scientists from across the world participated.

**Dr. Sudip Ray** took classes of Ph.D. course work in Botany at D.A.V.V., Indore.

**Dr. Nandini Phanse** presented a research paper at an International Symposium on "Emerging Discoveries in Microbiology" organized by JNU, New Delhi on 7-10 December 2015.

**Dr. Priti Vyas** presented a poster on "Prevalence of *Clostridium spp.* in Packaged Freeze Dried Products" in the national conference organized by Maharaja Ranjit Singh College of Professional Studies on 16/10/2015, in association with Microbiologist Society, sponsored by Madhya Pradesh Council of Science & Technology.

**Dr P.K. Dubey** has been elected as Secretary of Indian Association of Physics Teachers for the period 2016-18

## Computer Science and Information Technology Department



Workshop on Android Technology  
By Saurabh Sharma(Ramasoft)



Career Guidance Seminar  
By Anurag Atre(CH Edgemakers)



Global Hand Washing Day  
Microbiology Department



Expert Lecture by  
Dr. G.L. Prajapati



Exhibition of medicinal plants



Poster Competition  
Zoology Department

A seminar on Career Guidance by Mr. Anurag Atre of CH Edgemakers, Indore was held on 9th October 2015 for students. A poster on 'Generations of Computer' was displayed in the Knowledge Gallery in the month of October 2015. A one day workshop on Android Technologies was held on 23/11/ 2015 by Sr. Software Engineer Saurabh Sharma and Software Engineer Hemant Kamidiya for VI semester students. Mr. Shirish Yardwadkar, Placement Executive HR, SAP, Bangalore delivered an expert lecture for students of VI sem. Prof. Singh, Department of Botany, Vikram University, Ujjain, donated 15 books of Computer Science to the department .The result of various semesters was as follows: II semester [CS] 81.25 % and [IT] 77 %, IV semester [CS] 85.70% & [IT] 94 %, VI semester 93.33% [CS] & [IT] 100 %.

## Microbiology Department

Dr. Phanse, Ms. Paliwal, Ms. Chouhan, Ms. Joshi, Ms. Geed, Ms. Sheth & Ms. Khode presented posters at National conference on "Coaxial Living with Microbes", at M.R.S.C., Indore (16.10.2015). Ms. Mona Bhatnagar judged Bal Vigyan Competition organised by Sahodaya group of CBSE Schools cluster I (5.11.2015). The department celebrated Joy of Giving Week (2<sup>nd</sup> - 8<sup>th</sup> October). Collection of food, clothes & stationary from departmental staff & students was donated to orphanages & old-age home. On Global Hand Washing Day (15.10.2015), school children of IBSS Vidyaniketan School, Indore, were made aware about importance of hand washing through role play and videos by B.Sc. & M.Sc. students. Informative posters on Dengue awareness were displayed in college

and school campus during the outbreak of dengue (October 2015).World Antibiotic Awareness Week (16-22 November) was observed by displaying posters on awareness about Antibiotic Resistance. As part of Peer learning programme, M.Sc. students prepared video clippings of practical demonstration which were shown to B.Sc. Semester V students. Aarti Nirmal, Abha Patel, Sonam Rajoria and Bharavi Patidar contributed in this activity. M.Sc. students, Aarti Nirmal, Abha Patel, Md. Waquas Kamil, Vishnu Choudhari, participated in poster competition on "Environmental Pollution", organized by Department of Zoology on 27.12.2015. Expert lectures on Bioinformatics & Biostatistics were arranged for M.Sc. students. Industrial visits to Sodani Diagnostic Clinic (28.11.2015) and Nature Agrocure & Research Pvt. Ltd., Indore (5.12.2015) were conducted.

## Botany Department

A beneficial lecture for M.Sc. students was arranged on 7/10/ 2015 on the topic. "Method of Measurement of Primary Production, Global Pattern, Limiting Factors". Dr. O.P. Joshi, ex-head, Botany department and principal (retd.), PMB Gujarati Science College, delivered the lecture .The department organized an exhibition of medicinal plants on 8/10/ 2015 in the Botanical garden. The exhibition was inaugurated by Principal Dr.Kumad Modi. About 40 medicinal plants were displayed on the basis of their traditional uses and herbal home remedies which are used in the kitchen. Display of some medicinal plants like Ashwaganda (*withania somnifera*)and *Nyctanthes arbortristis* (parijat), was widely appreciated . Ms. Vidhya Dubey was in charge of the exhibition. Heads and teaching staff of college, B.Sc. and M.Sc. students of our college and from other colleges visited the exhibition. Two guest lectures were organized by department for M.Sc. students. On 9/12/2015, Dr. O.P. Joshi delivered a lecture on "Measurement of Primary Productivity."On 10/12/ 2015 a lecture was delivered by Dr. Nidhi Bajpai on the topic "Classification of Fungi". Two pre Ph.D. presentations were held in the department on 12/12/15, that of Shri Jiterendra Sainkhediya on the topic 'Flora of Harda District M.P.' and Shri Sohansingh Chouhan on 'Study of Ethnoveterinary Herbal Medicine in Western M.P.' , both research candidates of Dr. Sudip Ray.





*Students writing 'Bhartiya  
Sanskriti Gyan Pariksha*



*Clay Modeling Workshop*



*Lecture by Mr. Pankaj Dixit*



*DAVV Inter College  
Squash Racket Tournament*



*Visit to LASER lab  
School of Physics DAVV*

## *Departmental Activities Cont.*



### *Languages Department*

The department organised the Bhartiya Sanskriti Gyan Pareeksha on 21/11/2015. The activity in charge was Dr. Trishna Shukla. Ms. Kusum Joshi and Ms. Neetu Acharya did the invigilation duty. In November, the department displayed charts in the Knowledge Gallery, in Hindi and English, prepared by Dr Trishna Shukla and Ms. Kusum Joshi respectively. An article of Dr. Trishna Shukla has been published in 'Aksharparva', a literary magazine on the topic: "Bhishm ji ke Natak", edition October- November 2015, ISSN No.: 2278-9766. Dr Deepa

Vanjani presented a paper on 'Current Trends in Scottish and Irish Literatures' in the national seminar on 'Widening Canvas of Literature' organised by Government Atal Bihari P.G. College, Indore on 3-4 December 2015. Her article on the topic 'Self-Motivation to Learn English' has been published in the research journal of Mata Jijabai Governement Girls P.G. College, Indore. Dr Jyoti Singh was invited as judge in essay writing competition in Vaishnav Girls School, Indore on 19/12/15, while Dr Vanjani was invited as judge by Akhil Bhartiya Jain Mahila Samaj on 17/12/15.

### *Biotechnology Department*

The Department conducted a plantation program in which students planted Tulsi plant in exclusively decorated mud pots. These pots were gifted to all the departments as a token of love and respect to all the teachers with a note explaining not only sacredness of Tulsi in Hindu Mythology but also emphasizing its scientific importance. The Department conducted a workshop on Eco friendly clay modeling conducted by Mrs. Ekta Mehta, faculty of Fancy Art in MKHS

Gujarati College. She taught students and faculty members to make Eco friendly Ganesha on eve of Ganesh Utsav. Dr. Priti Vyas, Ms. Kwiti Thakkar, and Ms. Poonam Vijaypuriya actively participated in Dr. "D.N Mishra Raj Memorial Lecture Series" organized by Botany department in September.

### *Chemistry Department*

Mr. Pankaj Dixit (Bureau Chief, Sadhna Channel) delivered a lecture on Media Career & Guidance on 10 October 2015. The programme was conducted by Dr. Rushina Natu & presided by Dr. Kumud Modi. Students in large numbers attended the lecture. Ph.D. viva-voce of Ms. Sandhya Dixit, Assistant Professor, M.B. Khalsa College, Indore

was held on 26 December 2015 under the guidance of Dr. Anil K. Gharua and co-guidance of Dr. M.L. Gangwal, in presence of several staff members of college and other colleges. Dr Rishina Natu was invited as judge in inter-school debate competition organised by Govt. Autonomous Holkar Science College, Indore in November 2015.

### *Mathematics Department*

Dr. Vibhoj Parsai attended a workshop on Vedic Mathematics on 17-11-2015 organized by DAVV Indore and Shiksha Sanskruti Utthan Nyas New Delhi.

### *Electronics Department*

The department conducted seminars of BCA students in which about 70 students of I, II and III year made their presentations. Dr K. Venkatraman was invited as judge in the project presentation of students of C.B.S.E. Sahodaya Group, Indore Zone, at Sandipini Vidya Vihar, Indore on 5-11-2015.

### *Physics Department*

Dr Sanjay Shah was invited as judge in the project presentation of students of C.B.S.E. Sahodaya Group, Indore Zone, at Sandipini Vidya Vihar, Indore, Indore on 5-11-2015. M.Sc. students of the department visited the Laser Laboratories of School of Physics, DAVV, Indore in November 2015.

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## Departmental Activities Cont.

### Zoology Department

**Guest Lectures:** 1. Speaker-Prof. Dr. Vibha Dubey, Mata Jijabai Girls' P.G. College, Topic-Career Guidance, Class- B.Sc. V Sem. [17/11/2015], 2. Speaker-Prof.& Head Dr. Jagrati Sharma,MLB Girls' P.G. College Topic-Communication Skill, Class-B.Sc. V Sem [17/11/2015]. 3. Speaker-Prof.& Head Dr. C.S. Shrivastava , Holkar Science College Topic-Career Guidance, Class-B.Sc. I Sem. [15/12/2015]. 4. Speaker-Prof. Dr. Vipul keerti Sharma, Holkar Science College, Topic-Instrumentation, Class-B.Sc. III Sem [16/12/15]. 5. Speaker-Prof.&Head Dr. Manjuli Verma, Mata Gujri Girls', College Topic-Career Guidance, Class-B.Sc. III Sem [19/12/15]. On the occasion of Wild Life Week, Department of Zoology organized a Poster Exhibition cum competition, Indore for M.Sc. Zoology students on 05-10-2015. In the same context, around 20 Students of B.Sc. I semester attended the program organized by Kamla Nehru Zoological Park on 07-10-2015 under the guidance of Dr. Shobha Chaturvedi & Dr. Chetna Savita. Dr. G.D Sharma ,Dr. Vibha Dave & Dr. Chetna Savita attended a one day work shop on 'Urban Lakes Conservation' organized & conducted by Taru Leading Edge Pvt. Ltd. on 8-10-2015. An Interdepartmental Poster Competition was organized by Dr. Raksha Modi for all P.G. students of College on 27-11-2015. Dr. Modi was invited as judge in the Science Exhibition organized by R.R.M.B. Gujarati Higher Secondary School,Indore.

### NCC (Airwing) Unit

**Air NCC cadets** of the NCC Directorate M.P. & C.G. participated in the All India Vayu Sainik Camp (AIVSC) from 8-19 October 2015 at Jodhpur (Rajasthan). In the team of 15 cadets, three were students of PMB Gujarati Science College namely Cdt. Yash Chouhan (BCA III semester), Cdt. Aisha Khan and Cdt. Dhavnit Titerwal, both from B.Sc. III semester. NCC Directorate of Bhubaneswar organised a Special National Integration Camp (SNIC) 2015 in which five cadets of our college -Cdt. Chintu Rao, Cdt.Kanishka Pandey and Cdt. Jyoti Choudhary all from B.Sc. III semester and Cdt.Kishor Goud and Cdt. Rahul Goud both from BCA III semester, participated. Cadets of our unit also participated in the Golden Jubilee Marathon 'Run for Border' organised by BSF on 8 November 2015 and in a trekking programme at Choral on 6 December 2015.

### Sports Department

**Ravindra Chandravanshi**, M.Sc. Ist semester, secured Ist position in Shot Put and IInd place in Hammer Throw in Division Level D.A.V.V. Inter- College Athletics competitions organized by Govt. College Dhar. Rohit Mimrot, B.Sc. V semester, represented DAVV in Judo for All India Inter- Varsity Judo Competition organized at Bhubaneswar, Orissa. Abhishek Dave, B.Sc. V semester, selected in D.A.V.V. Malkhamb team for All India Inter-Varsity Malkhamb Competition will be organized by NSNIS Patiala. Our college organized the Division Level DAVV Inter College Squash Racket Tournament at County Walk Club on 15 October 2015. Dr.Vimal Sharma & Dr.Satyendra Sharma were manager and coach respectively, of D.A.V.V. Squash Team for All India Inter-Varsity Squash Racket Tournament organized by Gurukul Kangri University, Haridwar. The College Cricket team played second round of District Level Inter- College Cricket Tournament under the able captaincy of Brajesh Yadav, M.Sc. I st semester.

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