



Shri Deepak Bhai Soni
Chairman G.B.

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Departmental Activities

Quality is never an
accident; it is always the
result of intelligent
effort.

John Ruskin

Shri Gujarati Samaj, Indore

PMB Gujarati Science College

Accredited with grade 'A' by NAAC

PERIHELION



Quarterly Newsletter -
January-February-March 2016-
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From the Desk of Principal

This quarter of the year was one that saw activities on all fronts, keeping the staff members and students on their toes, especially as semester exams of UG and PG students were also in January and February. On one hand, we organised the annual sports events of the college, and students showed their active participation in all indoor and outdoor sports activities. On the other, we organised our annual function 'Excellence 2016'. The students displayed their talent by participating

enthusiastically in dance, music, sketching, tattoo-making, and various other activities. The departmental activities went on as usual, and staff members participated in seminars and workshops. As part of our environmental awareness activity, we, under the aegis of 'Mission Green', organised 'No Vehicle Day' on 26/02/2016 and celebrated Basant Panchmi in the same month, also focusing on the message of safeguarding our fragile earth.

Dr. Kumud Modi

News at a Glance

- Shri Deepak Bhai Soni took charge as Chairman, Governing Body.
- Ms. Mahima Golani, Department of Microbiology, qualified ICAR- NET exam 2015.
- Dr. K. Venkataraman, Head, Department of Electronics has been nominated as Member, Board of Studies at Department of 'Data Sciences and Forecasting', DAVV, Indore.
- Dr. Chetna Savita, Department of Zoology was honoured with Life Membership of National Environmental Science Academy (NESA), New Delhi.
- Dr. Sudip Ray, Department of Botany has been appointed as an expert to evaluate Ph.D. thesis by APS University, Rewa.
- Dr. P.A. Kekre, Department of Physics was honoured by M.P. State Election Commission for his noteworthy contribution towards training of stakeholders in urban local bodies and panchayat elections 2014-15.
- Dr. G.D. Sharma, Head, Department of Zoology participated in the 21 Km Marathon held on 7/02/2016 organized by Indore Marathon Academy at international level. About 20,000 participants from all over India participated in this event. He was awarded with a medal and certificate for successful completion of the race in 2 hours 50 minutes.
- Dr. Vidya Dubey, Department of Botany, has been selected as Assistant Professor under College Code-28.



Expert Lecture by Prof. Pratik Shah



Campus Placement Drive : Duke Thompsons Pvt Ltd.



Inauguration of Student Association of Microbiologists



RDC cadet being awarded by Brig. M.M. Gupta



Botany Department:
No- Vehicle Day, Lecture, Dr. O.P. Joshi



Sports: Players with dignitaries in annual sports



Sports: Volley players in action

Departmental Activities

Computer Science and Information Technology Department

Mr. Brajesh Vijaypuriya was the winner and Mr. Sanjay Sharma was the first runner-up In Teacher's Badminton tournament 2016. Internship projects have been successfully completed by the VI semester students. Department organized expert lectures for VI semester students by Prof. Pratik Shah and Prof. Deepika Rai. Ms. Manisha

Rudra Shah was the Convener of Music and Mr. Govind Kaithwas was the convener of the Quiz competition in Excellence 2016

. Mr. Govind Kaithwas, Ms. Priyasi Jain and Ms. Deepal Patel performed a dance in the annual cultural function. Departmental stock checking has also been successfully done by the staff

Microbiology Department

Dr. Nandini Phanse, Ms. Mahima Golani, Ms. Mona Bhatnagar & Ms. Shivalika Khode presented posters at International conference on "Scenario of Biotechnology in 21st Century organized by DAVV, Indore (10-12.03.16). Ms. M. Golani qualified ICAR-NET-2015 & also published a research article. Ms. Devshree Joshi was a committee member, Infosys campus placement drive (11.02.16). Ms. Mona Bhatnagar compered the No-Vehicle Day event (26.02.16). Faculties of department actively coordinated the events they were allotted during annual function. Blood grouping determination camp was held (29.01.16 - 02.02.2016) for staff members of Shri Gujarati Samaj, Indore. As part of Peer Learning programme, M.Sc. Semester IV students gave practical demonstration to B.Sc. Semester IV students (12.02.16), B.Sc. Semester VI students, Aarti Pal &

Gopal Krishna Patidar presented a seminar on 'Biofertilizers' to B.Sc sem IV students (11.03.16). Seminar on 'Current & future industrial scenario in life sciences' was given by Mr. Apurva Khare of Rapture Biotech Institute, Bhopal (20.02.16) Agar Art contest was organized in observance of National Science Day (28 & 29.02.16). Ms. D. Joshi, M. Bhatnagar & S. Khode co-ordinated the event. The department of Microbiology constituted a "Student Association of Microbiologists" in collaboration with Microbiologists Society, India, the inauguration of which was organised on 1.3.16. Dr. A.M Deshmukh and Dr. Anil Prakash delivered expert lectures in the event. A Campus Placement Drive by Duke Thompsons Pvt Ltd, Indore, was conducted on 25.2.16, during which 7 students were selected for the posts of Technical Support Executive and Business Development Executive.

NCC(Airwing Unit)

After several years, the states of Madhya Pradesh and Chhattisgarh got a silver medal in RDC-2016. The credit for this goes to our college student Yash Kaushal of BCA IV semester, who won a silver medal in Aero-modeling. He also attended the prestigious All India Vayu Sainik Camp (AIVSC 2015-16) at Jodhpur.

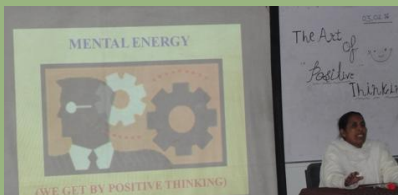
Botany Department

The department was abuzz with academic activities with the teaching staff motivating students for exam preparation and guiding them for preparing CCEs. The teaching staff was in charge of different activities of annual function. Ms. Preeti Parashar and Ms. Charulata Shah were members of Quiz committee, Dr. S. Shrivastava of antakshari committee, Dr. Vidya Dubey and Ms. Priya Trivedi of dance committee. Dr. J. Sikka was member of welcome committee. Students of B.Sc. VI semester attended 60 hours internship for job- oriented projects.

'No Vehicle Day' was celebrated on 26 February under the banner of "Mission Green". Students formed human chain and displayed slogans to convey messages regarding automobile pollution. Dr. O.P. Joshi, retd. principal of the college, delivered lecture on "Automobile pollution and its hazards." Dr. S. Ray was the activity convener. Dr. S. Ray was resource person in a workshop "Know your biodiversity" on 29-30.01.2016, organized by department of Horticulture, Holkar Science College, Indore & delivered lecture on "Some important trees and their conservation". Two students of Dr. Ray submitted Ph.D. thesis. Dr. S. Ray and Kamal Singh Alawa published two papers in International Journal and Plant and Environmental Science, Vol.5, Issue 4 in Oct-Dec-2015 and in Journal of Applied and Pure Biology, Vol. 31(1),65-69 in Jan 2016. Dr.S.Ray, Kamal Singh Alawa and Anuradha Dubey published a paper in Journal of Bioscience Discovery, Vol 7(1); 60-62 in Jan. 2016. Dr. J. Sikka and Ms. Charulata Shah's research paper has been accepted for publication in International Journal of Pollution Research, ISSN 0257-8050.



Basant Panchmi Celebration



Guest Lecture by B.K. Jamila



Campus Placement Drive by Duke Thompsons Pvt Ltd.



Zika Virus Poster



Expert Lecture by Prof. Devendra Bais

Zoology Department:
Expert Lecture by Prof. Pathak

Departmental Activities Cont.

Languages Department

Dr Jyoti Singh was invited as special guest in a function organized in IKDC College, Indore, on 'Matrabhasha Diwas' (20/02/2016). Research papers of Dr Trishna Shukla and Dr Jyoti Singh were published in 'Paryavaran and Paryatan', research journal ISBN: 978-81-89740-43-6. The paper of Dr Shukla is titled 'Paryavaran and Paryatan'. Dr Singh's paper is 'Paryatan-Paryavaran ke Sanrakhan mei Patrikarita ki Bhumika'. The department arranged a talk on 'The Art of Positive Thinking' on 3/02/16, delivered by Bhramakumari Dr. B.K. Jamila, naturopathist and trainer, from Mt. Abu. Ms. Kusum Joshi conducted the programme. The department organised Basant Panchami celebration on 12/02/ 2016. Principal Dr. Kumud Modi performed Saraswati Poojan. Faculty members participated enthusiastically. Dr. Jyoti Singh conducted

the programme. As part of CCE preparation activity, students of IV semester visited the PG Zoology lab of the college for viewing charts on Air Pollution and Animal Biodiversity.

Dr T. Shukla was the activity incharge. Ms. K. Joshi guided students of B.Sc. II semester in preparing chart presentation on various topics of Entrepreneurship. Dr Jyoti Singh and Ms. Kusum Joshi prepared the students anchors of college annual function. Dr Vanjani conducted the opening ceremony of the function. Ms. Joshi was member of Antakshari committee. Dr. Trishna Shukla presented a paper on "Godan me Krishak Jagat Ki Trasadi" in Shabd-Brahm organized at DAVV(19/03/ 2016). Dr. Deepa Vanjani presented a paper on "Intertextuality and Challenges Involved in Adaptations of Texts into Films" in national seminar at MU college of Commerce, Pune, 4/02/16-5/02/16.

Biotechnology Department

A campus recruitment drive was conducted on 25/02/2016 for B.Sc. final year students, in which 15 students appeared for interview session. The recruitment was conducted by Duke Thompson's which deals with dairy products, diagnostics (Mycotoxins hygiene monitoring system), food biotechnology, microbiology, probiotics etc. Five students from the department were shortlisted for second round of interview. A workshop on plant tissue culture practices was conducted by Sanghvi Institute of Management Science from 1-5 February 2016, Pigdambar, Rau. 14 B.Sc. final year students attended the workshop where they got excellent exposure in basics of plant tissue culture practices, suspension culture, anther culture, somatic embryogenesis, sterilization techniques, micro

propagation, haploid production quick updates on latest technology. As part of public health and awareness programme, Zika virus posters, illustrating the history, symptoms and prevention from this virus were displayed at various notice boards of the college. Extra classes for various competitive exams were conducted by the department for B.Sc. final year students. These classes were intended at raising awareness, self-confidence, and competition level among students. Students were briefed about various topmost universities as well as research organizations offering post- graduation programmes. The response from students was heart- warming.

Chemistry Department

Informative posters entitled "An Overview of Few Spices & Herbs" & "Discoveries by Nobel Laureates in 2015" were displayed in Knowledge Gallery on 1/01/ 2016. Dr. Smita Joshi, Professor, M.L.B. College, Bhopal, delivered a lecture on "Eco-friendly Idol Formation - A Green Approach for Environmental Protection" to P.G. students on 16/01/ 2016. Display of paper-craft work by experts was held on 5/02/ 2016 for U.G. students. Dr. A.K. Gharia, Dr. S. Shukla, Dr.

K. Dixit, Dr. K. Topiwala, Ms. P. Desai, Dr. D. Dwivedi and Ms. R. Sharma attended a one day national seminar in Chemistry on 5/02/ 2016, at B.M. College, Indore. Ph.D. viva-voce of Mrs. Rashmi Wagde, who worked under the supervision of Prof. Dr. R.G.Varma, was held on 8/02/ 2016. Dr. Dhananjay Dwivedi presented a research paper in National Seminar on 'Status of Heavy Metals in Irrigation Water' held at Shahid Bhima Nayak P.G. College, Badwani, (M.P.) on 4/02/ 2016.

Electronics Department

An informative lecture was delivered by Prof. Devendra Bais from Medicaps Institute of Science & Technology, Indore on 12.03.2016 on "Recent Trends & Opportunities in Electronics". Mr. Manish Joshi was invited as a resource person at NSCB Govt. P.G. College, Bairoa (Rajgarh). He was also invited for delivering a lecture at Holkar Science College, Indore for M.Sc. students.

NSS

A district level NSS camp was held at Mahu from 29.02.2015- 06.03.2016 in which 4 students of college participated namely Harsh Singh, Diksha Jain, Ankit Mansore & Pragati Borasi. Ankit Mansore & Pragati Borasi participated in a state level NSS camp (12- 18 March 2016). Nilesh Bharti, Ankit Mansore, Pragati Borasi & Nitin Pal participated in a university level NSS camp held in Badwani (24-30 March 2016).



Dr. Qureshi's lecture on scope of Zoology



Seminar at Bharat Sagar Public School



Lab workshop in I.P.S Academy

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Prof. Mona Bhatnagar

Departmental Activities Cont.

Zoology Department

Department conducted expert lectures for B.Sc. semester VI students on topics were Career Guidance by Prof. Santosh Pathak (Govt. Degree College, Sehore) on 9-3-16 and Scope of Zoology by Prof. Abida Qureshi (Govt Holkar Sc. College) on 11-3-16.

Dr. Vibha Dave delivered radio talk at Aakash Vani, Indore on 23/01/2016 and telecast on 25/01/2016 on the topic 'Vishayon Ka Adhyan Aur samay ka Nirdharan'. The teaching staff performed its allotted duties in annual function of the college. Dr. Vibha Dave was convener of rangoli, mehendi, mandna, sketching and tattoo-making committee, while Dr. Chetna Savita was its member. Dr. Raksha Modi was member of Antakshari committee.

Physics Department

Under IQAC, Dr. Nischal Yadav, Professor, Department of Physics, Vikram University, Ujjain, delivered a lecture on "Piezoelectric semiconductor plasmas" and Dr. Ganpat Ahirwar delivered a lecture on "Electromagnetic Ion-cyclotron waves". Mr. Dron Mishra was appointed team manager for three events namely cross country (Burhanpur, September 2015), Malkham (Khandwa, October 2015) and Athletics (Dhar, October 2015). The department organized a seminar for high school students at Bharat Sagar Public School, Indore on 13/02/2016. The speakers in this seminar were Prof S.B.

Walankar, Department of Physics, I.P.S Academy Indore, Prof. P.K. Sharma, Holkar Science College, Indore and Dr. P.K. Dubey, Head, Department of Physics, P.M.B Gujarati Science College, Indore. Dr. P.K. Dubey delivered an invited talk at Govt. Girls College, Indore and Govt. P.G. College, Ratlam. The department conducted NGPE 2016 on 24/01/2016 for B.Sc. Physics students. M.Sc. students of the department attended a two days laboratory workshop on Experimental Physics at Department of Physics ISLE, I.P.S Academy Indore from 30/03/2016 -31/03/2016. The workshop was sponsored by IAPT RC-9.

Sports Department

The annual sports events were organised from 23/02/2016 to 27/02/2016. The winners in various events are as follows:

Badminton, S (G) W- Swastika Chettri R- Disha Deodhar, **Badminton G(D)W-** Swastika Chettri/Anvesha Dwivedi R- Shivani Sugandhi/ Shahina Parvine Ansari, **Badminton S (B)W-** Praveen Kumar (R)-Abhishek Gupta **Badminton B(D)W-** Vinit Dhandhi /Praveen Kumar R- Abhishek Gupta/Jitendra Singh- B.Sc.IV sem C4 **Table- Tennis S (G)W-** Shivani Sugandhi (R)- Anju Rohilla **Table Tennis S (B) W-** Praveen Kumar (R) Vinay Sharma, **Chess(G) W-** Payal Shivhare (R) Chanchala Nahar **Chess(B)W-** Bhavishya Yadav (R) Tarun Bhydiya, **Volleyball (G)W-** B.Sc. II sem C2C (R) B.Sc.IV sem C4 **Volleyball (B)W-** B.Sc. II

sem C2C (R) B.Sc.IV sem C4 **Kabaddi(B)W-** B.Sc II sem B2A (R) B.Sc.II sem B2B **Athletics 100 M(G)1-** Arya Munshi II-Sonali Shindey III - Babita Baghel **100 M(B)1 -** Aman Pal II - Brijesh Yadav III - Sandeep Sharma, **200 M(G)1 -** Babita Baghel II - Arya Munshi III - Yogeshwari Bamniya **200 M(B)1 -** Aman Pal II - Vishu Raj Rathore III - Brijesh Yadav **Shot Put(G)1 -** Yogeshwari Bamniya II - Rajshree Verma ,III - Mikita Dour **Shot Put(B)1 -** Ravindra Chandravanshi II - Anil Chouhan IIIrd - Kamlesh Sadekar , **Discus (G)1 -** Rajshree Verma II - Chanchala Nahar III - Yogeshwari Bamniya **Discus (B)1 -** Ravindra Chandravanshi II - Rahul Singh Tomar III - Anil Chouhan **Javelin Throw (G)1 -** Rajshree Verma II - Prathana Dubey III - Pooja Kumawat **Javelin Throw (B)1 -** Huaj Khadka II - Rahul Singh Tomar III - Ravindra Chandravanshi.

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