

G.B. Chairman
Shri Atul Bhai Somaiya

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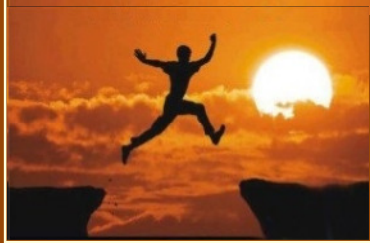
Departmental Activities

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Challenges are what
make life interesting and
overcoming them is what
makes life meaningful.

■ *Joshua J. Marine*



Shri Gujarati Samaj, Indore

PMB Gujarati Science College

Accredited with grade 'A' by N.A.A.C.

PERIHELION

Quarterly Newsletter -
April-May-June 2019-
Issue-23-
Year-6-



From the Principal's Desk

The academic session is in its last quarter, with university exams in full swing. The admission process for the new academic session has also begun. Staff members have been engaged in the examination and admission duties. By April, departmental activities for students came to an end. We now need to gear up for the forthcoming academic session so that we can usher it in with enthusiasm, keeping in mind that have to

go in for the third NAAC cycle next year. The whole-hearted involvement of all staff members can ensure that the college machinery functions smoothly. Academic excellence and all round development of students through various activities should be upheld at all costs. I look forward to the fulfillment of our college mission and vision with the support of all teaching and non-teaching staff members.

News at a Glance

Dr. K. Venkataraman attended the National camp of Vidyarthi Vigyan Manthan 2018-19, held in Hyderabad from 18 to 19 May 2019, as Evaluator and Academic Committee Member. He attended the National level NIUS camp 16.1, as Resource Person in HBCSE, TIFR, Mumbai from 15 to 20 June 2019. He was appointed as Observer for DAVV CET 2019, Mumbai centre on 22 June 2019.

Dr. Pravin Kekre was appointed as deputy incharge of postal ballot paper counting in Lok Sabha Election-2019.

Dr. P.K. Dubey, Central EC member RC-19 M.P., has been nominated as committee member in Indian Association of Physics Teacher Annual Convention to be held at Prayagraj (Allahabad) in November 2019.

Ph.D. Viva of Mr. Zaffar Iqbal Bhat, Ph.D. scholar of Dr. G.D. Sharma was held in the department of Zoology on 25 April 2019 on topic "Evaluation on genetic polymorphism of park 2 gene among colorectal cancer patients from Northern India".

Dr. Ketan Topiwala attended a meeting of Central Board of Studies for revising and restructuring of the syllabus on 3 June 2019 at Bhopal.

Dr. Sudip Ray attended a meeting of Board of Studies at Govt. Holkar Science College for the approval of syllabus of Microbiology for B.Sc. and M.Sc. for the academic session 2019-20. Under his supervision, Ph.D. viva-voce of Mr. Prem Singh Baghel was held on 01-06-2019 on topic "Anatomical and Phytochemical studies on five traditional medicinal plants."

Dr. Priti Vyas has been nominated as member Board of Studies in Biotechnology, DAVV for 2019-20.

Dr. Manjeet Arora has been appointed as Ph.D. Guide by D.A.V.V., Indore.

M.Sc. I and III semesters Zoology results were 100%.

Chemistry Department



Dr. Mushtaq Ali, ret.d. Prof. I.K.D.C. College giving lecture to PG students Chemistry



Ph.D. viva-voce of Ms. Ritu Kumrawat



Educational visit : Trenching ground, Devguradia, Indore



Farewell Programme : Hastala Vista Microbiology department



Expert lecture in Electronics department

The department arranged an expert lecture for PG students of Chemistry on 23-05-2019. The speaker was Dr. Mushtaq Ali, ret.d. Prof. I. K. D. C. College, Indore. He delivered a lecture on Aromatic Electrophilic Substitution Reactions.

Dr. Ketan Topiwala was invited at M.J.B. Govt. Girls PG College, Indore, to give lecture to PG students of the Chemistry department on "Programming in Chemistry" on 25 and 26 April 2019.

Ph.D. viva-voce of Ms. Rashmi Sharma, faculty of the department was held on May 2, 2019 at Madhaav Science College, Ujjain. The title of her research work is "Microwave assisted synthesis and characterization of substituted pyrazolines and their metal complexes and study of their biocidal activity".

On June 1, 2019 pre-Ph.D. viva-voce of Mrs. Reena Paliwal was held in the department. Her supervisor is Dr. M.L. Gangwal.

Under the supervision of Dr. Kumud Modi, Ph.D. viva-voce of Ms. Ritu Kumrawat was held in the department on 17 June, 2019. The title of her research work is "Thermal effect of conductometric studies on solvation behaviour of electrolytes in mixed solvents".

Microbiology Department

Dr. Mahima Golani published a research paper "Isolation and identification of a novel lipase producing *Staphylococcus argenteus* MG2 bacterium from oil spilled soil" in International Journal of Innovative and Advanced Research, Vol. 6, Issue 1, March 2019.

Faculty members and post graduate students of the department of Microbiology visited the trenching ground of Indore Nagar Nigam located at Devguradia, Indore, on 01 April, 2019. This visit was intended to be an educational tour for post graduate students of Microbiology of the institute. As a part of environment awareness programme, students and faculty members were provided insights on waste management performed at the site and the microbiological degradation of waste.

The visit was coordinated by Ms. Vishakha Khandelwal and convened by Dr. Nandini Phanse.

Hasta la vista, a farewell programme, for the outgoing batch of M.Sc. Microbiology was organized on 02-04-19. Students of M.Sc. Semester II had organized the programme. Principal Dr. Kiran Dixit graced the occasion.

Two students of M.Sc. final year (Semester IV) performed research projects under the guidance of Dr. Nandini Phanse.

Computer Science & Information Technology Department

Students' feedback of the faculty members of the college has been analyzed by the department using VBA technology. Statistical methods were used to generate reports.

Departmental staff carried out their duties in invigilation of DAVV main exam. Mr. Sanjay Sharma developed a teaching-learning presentation for Master Trainers of Indore Division engaged in election duties in Lok Sabha elections to give training using Power Point technology. Mrs. Manisha Shah was appointed as member of POCSSO committee and Admission Committee and Mr. Govind Kaithwas was appointed as member in Online Admission Committee for session 2019-20.

Result of B.Sc. VI semester Computer Science is 97%, and B.Sc. VI semester Information Technology is 85%.

Electronics Department

The department organized a one day workshop on "Advance Web Technology" by Mr. Gaurav Kothari, Universal Informatics on 06-04-2019. In this workshop, 45 students and 9 faculty members participated. In the same month, the department also organized two lectures of Dr. Rupesh Shinde, Asst. Prof., IIPS, DAVV on the topics "Application of Computer in Gaming Industry" & "Cloud Computing" respectively, on 24-04-2019 & 25-04-2019 to enhance knowledge of students.



Botany Department

Two Ph.D. viva-voce were held in the department. The first Ph.D. open viva-voce of Mr. Vinod Singh Deoda was held on 10-04-2019. The title of his research is "Phyto-diversity of East Nimar wet land: a seasonal study with special reference to endangered and endemic species." He completed his Ph.D. under supervision of Dr. C.M. Solanki ex-HOD.

Dr. Manjeet Arora published two review articles on E-Agriculture in IJARIE, vol-3, Issue-1, 2019, ISSN (o)-2395-4396 and on Conservation of National Resources in Research Journal Shodh Samagra vol. III (3), Issue-11, March 2019. ISSN 2395-2725.

Zoology Department

Dr. G.D. Sharma was awarded a medal and E-certificate on completion of Lotus 10km Colour Run organized by Indore Super Changer Welfare Society in 62 minutes on 7th April 2019. He was PO in Lok Sabha elections 2019.

Dr. G.D. Sharma published a research paper on the topic "Seasonal variations of Physico-Chemical" assessment of Satak Reservoir, Khargone (M.P.) 2019, in Journal of Emerging Technologies and Innovative Research, Vol.6, Issue 3 [ISSN. 2349-5162] pg.no. 338-347.

Pre-Ph.D. presentation of Ms. Anula Bhargava and Mr. Sandeep Choupota was held on 22 May 2019 in the Department of Zoology in Matajijabai Girls P.G. College, Indore. They are working under supervision of Dr. L.K. Mudgal and co-supervision of Dr. G.D. Sharma. Pre-Ph.D.

presentation of Ms. Sameena, scholar registered under supervision of Dr. G.D. Sharma on the topic "The Efficacy of some Botanical extracts against Cotton Whitefly Bemisia Tabaci" on 25 June 2019.

One expert lecture on career guidance by Prof. Ram Prajapati from Holkar Science College, Indore was held on 18 April 2019 for U.G. Students. Another expert lecture by Prof. Rajni Gautam from Career College, Bhopal on career counseling was held on 16 May 2019.

Ph.D. viva-voce Mr. Divya Chharia was held in the department on 4th June 2019. He is the research scholar of Dr. Shailendra Sharma, Principal, Adarsh Institute of Management and Science, Dhamnod (M.P.).

English Department

Ms. Meghna Raikar, Ph.D. scholar of Dr. Deepa Vanjani was awarded her degree in May 2019. Research paper of Dr. Vanjani 'Wuthering Heights: The Ageless Saga' has been published in 'LangLit', an international double blind peer reviewed open access journal (ISSN 23495189, impact factor 5.61) Vol. 5, Issue4, on 10 June 2019. Her poetry book 'Shifting Sands' has been reviewed by Reginald Massey on the May 2019 issue book page of 'Çonfluence', an e-magazine published from London. Dr. Vanjani was the external examiner in viva conducted for B. Pharma. students of School of Pharmacy, DAVV, Indore.

Ms. Kusum Joshi did paper- setting for B.Sc. [Computer Science] II and IV semesters, BA-B.Ed. II semester and BBA II semester for the June 2019 examination of Oriental University, Indore.

Hindi Department

गौंधीजी की 150वीं जयंती के उपलक्ष्य में सम्पन्न हो रहे कार्यक्रमों में साप्ताहिक स्वच्छता अभियान के साथ ही पूर्व निर्देशित कार्यक्रमानुसार महाविद्यालय की एयरविंग एवं एन.सी.सी. युनिट के विद्यार्थियों द्वारा युवाओं नशा मुक्ति, धूम्रपान, शराब एवं तम्बाकू नशा मुक्ति के लिए चेतना रैली आयोजित की गई। अप्रैल माह में सह-संयोजक प्रो. सीमा वोरा द्वारा दिनांक 23-04-19 को गणित विभाग में शाकाहार एवं सादगी पर व्याख्यान आयोजित किया गया। अतिथि व्याख्यानकर्ता आकाश जैन थे। मई माह में—प्रजापति ब्रम्हकुमारी ईश्वरीय विश्वविद्यालय में दिनांक 10-06-19 से 14-06-19 तक डॉ. ज्योति सिंह विशेष अतिथि के रूप में सम्मिलित हुई। डॉ. सिंह ने कार्यक्रम को सम्बोधित करते हुए बच्चों को ज्ञानवर्धक बातें बताई। ब्रम्हकुमारी बहनों ने मेडिटेशन सिखाया एवं आग भूकंप जैसे अनेक त्रासदियों से बचने के लिए विशेष ट्रेनिंग दी गई।



Pre-Ph.D. presentation of Ms. Sameena in Zoology department



Expert lecture on career counseling by Prof. Rajni Gautam



Ph.D. viva-voce of Ms. Meghna Raikar, research scholar of Dr. Deepa Vanjani



डॉ. ज्योति सिंह, प्रजापति ब्रम्हकुमारी ईश्वरीय विश्वविद्यालय में विशेष अतिथि के रूप में



Physics Department

Dr. P.K. Dubey delivered a lecture on “Centripetal and Centrifugal Force” in the seminar Innovation in Physics at Govt. P.G. College, MHOW. He has demonstrated some fundamentals of Physics in a workshop on Experimental Physics at IPS Academy Rau Indore.

Dr. Sanjay Shah published a paper on “Theoretical Analysis of the structural phase transformation B1-B2 of HfN under high pressure” in International Journal of Scientific Research and Review. He attended a National Conference on “Recent Advances in Basic Sciences - III” on 25-05-2019 at Christian Eminent College, Indore.

Dr. K. Venkataraman presented two papers in International conference on Materials 2019, at Nirmalagiri, Kerala. The papers are titled “Crystallization kinetic and fragility of cobalt based metallic glasses” and “Fragility of biopolymers”.

Mr. Dron Mishra published a paper on “Interpretation of Thermal Conductivity of Ceramic Oxides” in American Institute of Physics. He has submitted his IV, six-monthly Ph.D. progress report at SVVV Indore on 27 June 2019.

Ms. Reena Bhatt published a paper on “Analysis of chemical shift, shift of principal absorption maxima, edge width, percentage of covalence of Cu(II) complexes” in the Journal of American Institute of Physics. Mr. Gopal Chand Dangi and Ms. R. Bhatt have submitted their II, six monthly Ph.D. progress report at SVVV Indore on 29 June 2019.

NCC Airwing Unit

All the cadets of the Airwing unit attended the three day range- firing practice camp held at BSF Rewati Range, Indore from 13 to 15 May 2019. There all the cadets had firing experience with 0.22 rifles.

मिशन - ग्रीन

दिनांक 20-06-19 को मिशन ग्रीन समिति के संयोजक एवं सदस्यों द्वारा कॉलेज गैलरी में कोलॉज एवं पोस्टर प्रदर्शन हेतु लगाए गए। कोलॉज ‘ग्रीन’ एवं पोस्टर ‘पृथ्वी क्रोध में है’ विषय पर आधारित लगाए गए। कोलॉज ‘ग्रीन’ का महाविद्यालय प्रांगण में एवं पुस्तकालय-परिसर में पोस्टर- प्रदर्शन के लिए लगाए गए।

International Yoga Day

A programme to mark International Yoga Day on 21.06.2019 was organized jointly by PMB Gujarati Science College, PMB Gujarati Commerce College, RRMB Boys School and CMP Boys School at their Nasia Road campus. Yoga expert Shri Vivek Sharma was the guest of the programme. Principal Dr. Kiran Dixit welcomed the guests.

Various Yoga asana's and Pranayam were demonstrated by yoga expert Smt. Anita Sharma. Heads of all departments, staff members and students also participated enthusiastically in the activity. Dr. Abhay Jain conducted the programme. Dr. Satyendra Sharma proposed the vote of thanks.

Students' Achievement

Mr. Mangilal Maida and Mr. Sandeep Choupota research scholars of Dr. G.D. Sharma got selected in M.P. SET 2018(STATE ELIGIBILITY TEST).



NCC Airwing cadets doing firing practice at BSF Rewati Range, Indore



Display of poster in Knowledge Gallery by Mission Green committee members



International Yoga-day

Patron:

Shri Átul Bhai Somaiya
[Chairman]

Chief Editor:

Dr. Kiran Dixit [Principal]

Convener:

Dr. Deepa Vanjani

Co-Convener:

Ms. Reetika Shah

From:

P.M.B.GUJARATI
SCIENCE COLLEGE

1 NASIA ROAD
INDORE. M. P.
PIN: 452001

Phone:

(0731) 2703207

Fax:

(0731)2700040

E-Mail:

pmbgscience@gmail.com

pmbgsc.com

To,

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Indore.