



Shri Suresh Chandra Patel
Chairman G.B.

Shri Gujarati Samaj, Indore
PMB Gujarati Science College
Accredited with grade 'A' by N.A.A.C.
PERIHELION

*Quarterly Newsletter -
April-May-June 2017-
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From the Principal's Desk

The last quarter of every academic session has a dual role, of conducting examinations of various semesters, and commencing the admission process for the forthcoming academic session. In the outgoing session 2016-2017 the exams of all semesters were conducted smoothly. The admission process for the new academic session 2017-2018 has also been initiated and an admission committee is working in full swing for the same. I would also like to congratulate students who have performed well in the DAVV exams, the results of which were declared in the last three months. Various staff members have continued with their

academic activities and achievements. I extend my good wishes to them as well. I am hopeful that in the new academic session, which will see a change as we switch over to the annual pattern of exams, we will continue to perform to the best of our abilities. To nurture the potential of students so that they can achieve all-round development should always be the teacher's first goal, which is also in tandem with our institution's goal of imparting holistic education. Each one of us should introspect to do a fair analysis of our strengths and weaknesses as educators so that we go into the next session with an open mind and renewed vigour.

News at a Glance

Dr. Jaishree Sikka was appointed as the judge for a poster and slogan competition on World Environment Day, 5 June 2017, at Brilliant Convention Centre, Scheme No. 78. The event was organized by M.P. Pollution Control Board, Regional Office Indore.

Dr. K. Venkataraman was appointed as resource person for Physics Experiment Camp in Homi Bhabha Centre for Science & Education (HBCSE), Tata Institute of Fundamental Research (TIFR) Mumbai from 16 June- 24 June 2017. He won the II Best Paper Prize in Materials Engineering category in the International Conference held in Hyderabad.

Dr. G.D. Sharma participated in Rala Mandal Hill Run Contest organised by Indore Superchargers Health Welfare Society on 21 May 2017 on the occasion of 'World Biodiversity Day' and was honoured with 'The Hill Champion' award on completion of 12 Km Run.

Dr. Nandini Phanse and Ms. Mahima Golani were appointed as members of Central Board of Studies to design the yearly syllabus of B.Sc. Industrial Microbiology and Microbiology respectively. Ms. Golani also attended

the meeting held at Barkatullah University, Bhopal, on 27 - 28 April 2017.

Dr. Sudip Ray delivered a guest lecture on "Habitat Destruction and Conservation Aspect" on International Biodiversity Day on 25 May 2017 at Indore Collectorate. It was organized by Indore Forest Division and M.P. Biodiversity Board. He has been appointed as PhD examiner by SGB Amravati University, Maharashtra.

Dr. Rishina Natu received Nritya Kirti award by Dhruvad Kala Academy on 13 April 2017. On 2 April 2017 she received an award from the Bhartiya Sahitya Parishad Malwa Prant, Ujjain.

Dr. Dhananjay Dwivedi published a research paper titled "GCMS Study of Methanolic Extracts of Leaf of Catheranthus Roseons" in International Journal of Chemical Studies in April 2017, ISSN: 2455-264X.

Dr. Priti Vyas was appointed as PhD Supervisor (Life Science Faculty) by DAVV, Indore.

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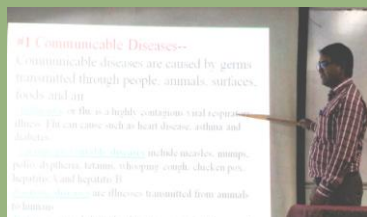
Departmental Activities

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Departmental Activities



Computer Science and Information Technology Department



Department of Computer Science and Information Technology:
Faculty Development Program
Mr. Govind Kaithwas
delivering his lecture

Mr Mayur Mota & Sanjay Sharma were delivered: Mr Sanjay Sharma on attended the national seminar on “Karma Theory”, Ms. Manisha Rudra Shah on “Depression”, Mr. Govind Kaithwas on ”Health Issues and Teaching” organized by Christian Eminent College Indore. Mr. Sanjay Sharma delivered an expert lecture on “Artificial Intelligence” on 30-6-2017 in Christian Eminent College, Indore. Ms. Anjali Ray completed her M. Tech. in Computer Science with 7.67 CGPA. Mr. Mayur Mota delivered a special lecture on “Goal setting”. All faculty members of the department attended his lecture. There was a departmental lecture series in which following lectures

Mr. Sanjay Sharma appointed as convener and Mr. Govind Kaithwas as member for Online Admission Committee. Ms. Manisha Rudra Shah and Ms. Monika Yadav were appointed as members of Admission and Counseling Committee.

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Microbiology Department

Dr. Nandini Phanse was appointed as a Ph.D. Supervisor in Life Science by DAVV, Indore.

Ms. Smriti Chouhan qualified the ICAR-NET 2017.

Botany Department

Dr. Sudip Ray participated in the workshop held from 20-26 March 2017 on the topic “Yoga and Manodaihik Swasthya” organized by Department of Philosophy, Mata Jija Bai Govt.P.G. College, Indore. Ms. Priya Trivedi submitted the final report of her two year UGC Research Project titled “Monitoring of Air Pollution with the Help of Tree Bark at Indore City”, allotted to her in 2015.

Dr. Sudip Ray and D.S. Chouhan published two research papers :

1. “Ethnomedicinal Plants and Plant Parts Sold in the Local Market by Herbal Healers in Alirajpur Dist. M.P.” in Indian Journal of Plant Sciences, 2017,ISSN: 2319-3824,Vol.6(1),27-31.
2. “Ethnovetrinary Herbal Medicine Used by Tribals for Retention of Placenta in Western M.P., India” in European Journal of Biomedical and Pharmaceutical Sciences, 2017, ISSN: 2349-8870, Vol.4, Issue 4,395-398.

Dr. S. Ray, J. Sainkhediya and D.S. Chouhan published a research paper titled “Rare and Threatened Flowering Plants of Harda Dist. M.P. India” in International Journal of Science and Research, May 2017,ISSN: 2319-7064,Vol.6, Issue 5.

Chemistry Department

Dr. A. K. Gharia, Head of the department retired from the college after rendering a dedicated service of 40 years. Dr. Savita Shukla took charge as Head of the Chemistry Department on 1st May, 2017. A research paper of. and another research paper titled “Extraction and Isolation of Withaferin (a Steroidal Lactone) from Withania Sommifera Leaf and its TLC and HPLC Analysis” was published in the Oriental Journal of Chemistry , June 2017, Vol. 33-No. 03, ISSN: 090-020X. During the session 2016-2017, the result of M.Sc. Final year (III Semester) Chemistry students was 79%.



Department of Botany:
Dr. Sikka was the judge on
World Environment Day



Department of Chemistry:
Farewell of Dr. A. K. Gharia



English Department

Dr. Deepa Vanjani published a research paper titled 'Children's Literature: Possibilities and Facets' in the book "Dynamics of Children's Literature" published by Shubhi Publications, Gurgaon in May 2017. She edited the book titled "The Shot: written by BSF Shooter Mr. Hari Prakash, Reoti Ranges, Indore in May 2017 .

Ms. Kusum Joshi attended the National Conference on " Social Transformation Through Yoga " organised under the aegis of the Ministry of Ayush at Jaipur on 7 May 2017. She was paper-setter of the English paper for II, IV and VI semester exams of Oriental University, Indore.



*Department of Physics:
Expert lecture being
delivered by Dr. Jaiveer Singh*



*Department of Physics:
Faculty members attending the
expert lecture*

Hindi Department

डॉ. ज्योति सिंह ने 07 मई 2017 को जयपुर में आयोजित "राष्ट्रीय शोध-संगोष्ठी" Social Trends formation through Yoga" under supervision of Ayush ministry Govt. of India में शोध आलेख "योग दर्शन पूर्ववर्ती परिस्थितियां योग-साहित्य का रचनाकाल एवं विषय वस्तु: एक विवेचना" का शोध पत्र वाचन किया।

उन्होंने राष्ट्रभाषा "हिन्दी सागर" हिन्दी साहित्य की त्रैमासिक पत्रिका मार्च-मई 2017 में अतिथि सम्पादक की भूमिका निभाई /

डॉ. तृष्णा शुक्ला . साहित्यिक-वैचारिक-मासिक "अक्षर पर्व" रचना वार्षिकी मुक्तिबोध विशेषांक में 15 जून 2017 को "ब्रम्हराक्षस फैंटेसी में आधुनिक भारत का परिदृष्य" विषय पर लेख प्रकाशित हुआ। ISSN No- 2278-9766

Physics Department

Dr. Ashish Dubey's photography exhibition titled "Tavern of Absence" was held at Canary's Art Foundation, Indore from 6 to 12 May 2017. Mr. Mayur Mota & Dr. Sanjay Shah attended the National Seminar on "Quality Issue & Challenges in Teaching & Learning in Higher Education" on 23rd June 2017 at Christian Eminent College, Indore. Prof. Jaiveer Singh, IPS Academy delivered an expert lecture on

"Role of Cappants on Size & Physical Properties of Nickel Nanoparticles" on 15th June 2017. Ph.D. viva of Prof. Jaiveer Singh was conducted on 17th June 2017 at Holkar Science College, Indore. Dr. Sanjay Shah is his co-supervisor. Mr. Dron Mishra cleared the RDC viva under the guidance of Dr. Uttam Sharma (H.O.D. of Physics, SVVV, Indore) and Dr. Kamal Choudhary (Indian Military Academy, Dehradun).



*Department of Zoology:
Expert lecture being
delivered by Dr. G.D Sharma*

Zoology Department

On 22nd April 2017 an expert lecture of Dr. Shailendra Sharma ,Principal Adarsh Institute of Management & Science, Dhamnod, (M.P.) was arranged for P.G. students on the topic 'Career Guidance in Zoology'. An expert lecture on 'Human Physiology' was delivered by Prof. Kailash Agrawal , retd. Prof. of Zoology, Holkar Science College, Indore, for U.G. students on 27 April 2017. It was followed by an interactive session to clear the doubts & queries raised by students. On 16 May 2017 Dr. G.D. Sharma was invited as Resource Person to deliver a lecture on 'Career Guidance' at Adarsh Institute of Management & Science, Dhamnod,

for P.G. students . He also won the 1st prize in the 11 Km Marathon to celebrate 'Green Indore Clean Indore' mission undertaken & organised by AEROCON Pipe Fittings on 4 June 2017 in the category of 50+ years. Mangil Maida & Dr. G.D. Sharma published a paper on the topic 'Evaluation of the Physiological Specialization of the Hearing Organs of Post hatch Chicken Rearing at Different Environmental Circumstances'' in International Journal for Innovative Research in Multidisciplinary Field, Volume - 3, Issue - 6, June - 2017. ISSN - 2455 - 0620, impact factor - 4.34, paper id - 201706046.



*Expert lecture for UG
students:
Prof. Kailash Agrawal,*

Biotechnology Department

The department displayed posters, entitled “Cell Signalling & Cell Synchrony” in the Knowledge Gallery on 1st April, 2017. Dr. Priti Vyas, Ms. Poonam Vijaypuriya, Ms. Kwiti Thakkar are members of the Admission committee 2017-18.

NCC Airwing

This year Air Force attachment camp was held at AF Station, Gwalior. The camp was lead by Flying Officer Manish Joshi. Twelve cadets from Indore, Bhopal & Raipur had been selected for participation in this prestigious camp. During the 14 days camp, cadets were familiarised with various Air Force activities. They also got exposure of features of fighter planes.

Department of Electronics

Dr. Vimal Sharma attended one day national seminar on “Quality issues and challenges in teaching in Higher Education” conducted by Christian Eminent Collge, Indore on 23rd June 2017.

Mr. Manish Joshi attended 15 days camp at Airforce Station Gwalior.

Science Snippets

- Harvard University researchers have resolved a conflict in estimates of how much the Earth will warm in response to a doubling of carbon dioxide in the atmosphere, finding that long-term patterns of warming could lead to a 1.5 to 4.5 degrees Celsius increase in global temperature.
- The ancient mitochondrial DNA from the femur of an archaic European hominin recovered by scientists from the Max Planck Institute for the Science of Human History and Tübingen is helping to resolve the complicated relationship between modern humans and Neanderthals.
- Our galaxy could have 100 billion brown dwarfs or more, according to work by an international team of astronomers, led by Koraljka Muzic from the University of Lisbon and Aleks Scholz from the University of St. Andrews.

Source: <https://googleblight.com/https://www.sciencedaily.com>



Flg. Offr. Manish Joshi, Sq. Ldr. Vipul, Cd. Kishinchand, Cd. Brajesh, Cd. Amit, Cd. Pramod

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