State Level Workshop on Research Performance Metrics and Intellectual Property Rights

The Library and Network Resource Centre organized a One day regional level workshop on December 22, 2014 on the theme "Research Performance Metrics and Intellectual Property Rights". Common types of intellectual property rights include patents, copyrights, industrial design rights, trademarks, trade dress, and in some jurisdictions trade secrets. The workshop focused on Intellectual Property Rights and Patent and Patent Writing. Its aim was to provide a perfect platform to facilitate the research scholars to work on Intellectual Property Rights and Patent Writing. Thus, the workshop enriched the participants with IP knowledge, resources and its application in future. Dr. P.S. Dutt, the Chief Scientist & Head of the Business Development & Technology Transfer (BDTT) Division, National Environmental Engineering Research Institute (NEERI) Nagpur, delivered a lecture on Patents, Patent Drafting and Filing Procedures. Dr. N.B. Dahibble, Principal Technical Officer DIRC, CSIR, NCL Pune, delivered a talk on Intellectual Property Rights. Adv. Swapnil Gawande, Registered Patent and Trademark Consultant and a Legal Advisor (Patent) at Business Logic Int. (India), delivered a talk on 'Patent to Profit'. Dr. V.T. Ingole, Director, IBS College, Amravati delivered a talk on 'Scientific Approaches towards Innovation'. The workshop was attended by 95 faculty members and students from various colleges.

Workshop on Cyber Laws: Offence & Defence and Investigation

The Department of Computer Science has always been taking initiatives to make the students and the society aware of the cyber crimes & cyber laws. The ComSoft Society of the Department of Computer Science organised a workshop on Cyber Laws Offence & Defence and Investigation for the students, staff and the Police Department of Amravati, on 14th September-2014. The motto of
the workshop was to create awareness and train the officials from the Police Department in detection and investigation of the cyber crime cases. Dr. Harold D’Costa, Director, Intelligent Quotient Security Systems, Pune, an eminent authority in Cyber Security, Cyber Crime & Investigation, was the resource person for this workshop.

The participants from the Police Department were presented with a demonstration on how to trace the stolen mobile, how to trace the locations of fake e-mails, how to detect IP-addresses, how to protect smart mobile phones, how to make online transactions safely and how to collect the evidences during a cyber crime case.

**Extension & Outreach Activities**

**Department of Biotechnology**

**Inauguration of Biogene Society**: A Guest lecture of Mr. Shakeel Ahmed on “Biotechnology and Entrepreneurship”, was organized on this occasion of the inauguration of the Biogene Society on 14th September 2014. The event was organized to develop the spirit of team work and instill stage daring among the students during their participation in extra-curricular activities. Biogene Society aims to facilitate beneficial activity for the betterment of students and the society in general. In all 95 students participated in events like poster presentation and seminar competition with great enthusiasm. They obtained useful information regarding entrepreneurship in biotechnology through this lecture.

The winners in the seminar and poster presentation competitions were felicitated at the hands of Mr Shakeel Ahmed.

**Department of Botany**

**Environment Awareness Campaign**: “ECOFRIENDS” is determined to implement a three-concept strategy i.e. Planning Placement Prevention to preserve environmental quality. Under the aegis of this devoted organization following sensitive issues concerning the Environmental quality and biodiversity conservation were handled.

“Environment Awareness Campaign” was organized from 5th June to 5th July 2014 in collaboration with Amravati Garden Club, Amravati and the event was sponsored by Maharashtra Pollution Control Board.

Poem writing, nature drawing and short story writing competitions were arranged for the college students during the week from 1st to 7th August 2014 on the topic “Nature is Our True Friend”. And on the occasion of Friendship Day “Raksha Bandhan” to plants was performed on 12th August 2014.

Parthenium eradication drive in the college campus was organized on 23rd August 2014. As the growth of ‘Parthenium’ a dreaded weed is at an alarming proportion in the Shivwadi i.e the college campus. This activity has spread the awareness about the harmful parthenium grass. Almost 45 students participated in this drive to eradicate parthenium grass.

Nirmalya Kalash was organized on 8th September 2014. “Ecofriends” planned to handle increasing solid waste generated during the festivals like Ganesh Puja, Amba Utsav, Mahalaxmi, etc. The collected materials were used to prepare vermin-compost by using the unit available with the Botany Department.

**Department of Computer Science**

**Workshop on Web Technology**: On 14th September, 2014 a workshop was organized for the BCA students of the department to make them aware of the role of PHP programming in Web Technology Development. Ms. Prachi Ohale in her presentation focused on the importance of PHP programming. During the hands-on session, 50 students from BCA learned how to write basic programming using PHP.

**ICT Training for Non-Teaching Staff**: In collaboration with Shri Shivaji Education Society, Amravati, a workshop on “ICT TOOLS AND
COMPUTER SKILLS was organized for all the Office and Non-Teaching staff of the college. In all fifty participants attended this workshop. The topics discussed during the workshop included, the Operating System, Microsoft Office-2007 (MS-Word, MS-Excel, MS-Power Point), Communication through Internet and the Use of Anti-Virus. Along with these popular computer applications the training over the College Management System (CMS) software was also provided during the workshop.

Department of Chemistry

Science Awareness Activities:

Science awareness programme was organized on 13th August 2014 at Kasturba Kanya Shala, Belpura, Amravati. The theme of the event was to enhance the scientific curiosity especially in school girls coming from poorer section of the society. All members of the teaching staff of the school were present on the occasion. In all 50 students of B.Sc. II PCM and MBB presented the demonstrations of basic experiments to 500 school students so as to bring excitement in learning chemistry and encourage the students to pursue higher education in science. Focus was also on the themes such as Save Water, Avoid the Use Of Plastics, Green Chemistry Concept. The School students were benefitted by the exposure to the theme oriented scientific experiments and experiments on food adulteration, while the college students got exposure to the art of demonstration technique.

Aptitude Test:

The Department of Chemistry organized an Aptitude Test in Chemistry for the students of B.Sc I sections on September 26, 2014. The objective of the event was to search out the talents in Chemistry and to develop their interest in Chemistry. About 81 students appeared for the test. Students utilized the logical reasoning application to solve the paper which helped to judge the mental ability of students. All participants were highly charged with enthusiasm and displayed the class spirit.

Department of Environment Science

PUC Camp:

A PUC Camp was organized on 13 September 2014 at Shri Shivaji Science College, Amravati. The aim was to check the pollution level status of the vehicles of the staff and the students. About 200 students and staff members were present for the camp. The event is an annual activity undertaken since last 3 years for the students and faculties to create awareness about air pollution. Of the 60 vehicles 10 vehicles were found with PUC above the prescribed limits.

Ozone day Celebration:

Ozone Day was celebrated on 16th September 2014, at Shri Shivaji Science College, Amravati. The objective of the theme was to create awareness about the ozone layer, its importance and threats. All staff members and students of college participated in the event. Students gave messages to save and protect the ozone layer through beautiful rangoli, paintings and posters. All the staff and students agreed to keep the promise by reducing the use of vehicles, planting trees and saving water. On this occasion everyone pledged to avoid the use of vehicles every Thursday to observe it as Green Thursday.

Department of Microbiology

The inauguration of Microbiology Society

A Guest lecture of Dr. A M Deshmukh, Professor and Head, P G Department of Microbiology, Dr Babasaheb Marathwada University, Sub-Centre Osmanabad, was organized on this occasion on 07/02/2015. The theme of the event was “Career Opportunities in
Microbiology”. The event was organized for making the students familiar with the various career opportunities in Microbiology in various sectors like industries, pharmaceutical companies, research institutes, small scale industries, etc. The event was successfully organized by the Student Unit of the Microbiology Society of the college. A good number of the students participated in the event in which various aspects of job potential for microbiology students were discussed.

**Department of Physics**

**Celebration of Mars Orbiter Mission:**
The Department of Physics celebrated the successful entry of “Mangalyan” into the Mars orbit. On the occasion of the celebration, a guest lecture on “Mars Orbiter Mission” was organized on 28th September, 2014. Prof. L. N. Gawande, ex-head of our Physics Department delivered a lecture on “Mars Orbiter Mission” for the students of Astronomy and Astrophysics Certificate Course and UG & PG classes.

**Inauguration of Physics Society:**
The ‘Physics Society’ of the college was inaugurated on 18th September, 2014 at the hands of Dr. (Ms) Kamal Singh, (Ex-Vice Chancellor, SGB Amravati University, Amravati).

On this occasion Dr. (Ms) Kamal Singh delivered a guest lecture on “Non-Conventional Energy Sources”. Dr (Ms) Kamal Singh addressed the students about the importance of non-conventional energy sources. In her speech, she advised the students to undertake the research activities which should be in the interest of the society.

**Department of Zoology**

**Celebration of Wild Life Week:**
On the occasion of the Wild Life Week celebrations, in collaboration with the Melghat Tiger Reserve, a Cycle rally was organized on 02nd October 2014. Theme of the event was “Wildlife Conservation”. Dr. Dinesh Tyagi, the Chief Conservator of Forests, Melghat Tiger Reserve and Dr. Jayant Wadatkar were the invitees for the rally. More than 40 students participated in the rally which was organized by the Department of Zoology, in order to create the wildlife conservation awareness among the students and the masses in general.

**Nature Camp at Narnala Wildlife Sanctuary:**
A Nature Camp-cum-Workshop was organized at Narnala Wildlife Sanctuary on 27-28 November 2014, in collaboration with Wildlife and Environment Conservation Society, Amravati. About 50 students participated in the event.

**National Service Scheme (NSS)**

**University Level Workshop for NSS Programme Officers:**
Workshop and session meeting of Amravati District NSS Programme officers was held on 26-08-2014, in which 80 NSS officers had participated. Dr. V. G. Thakare, the principal of Shri Shivaji Science College chaired the session and Dr F.C. Raghuwanshi, Dean, Science faculty and Principal, Vidyabharati Mahavidyalaya, Amravati, inaugurated the session. The other dignitaries on the dais were Hon. Mahadevaravaji Bhuihah, Vice President of Shri Shivaji Education Society, Dr. Subhesh Gawai, Dr. Shrikant Patil, Coordinator, NSS, SGB Amravati University. All the speakers shared their thoughts and guided the program officers regarding conduction of various NSS activities.

**Annual NSS Camp:**
The annual NSS camp was organized from 04-01-2015 to 11-01-2015 at Shri Shivaji High school, Khartalegaon.
The camp was inaugurated at the hands of Hon. Vasantaraoji Charjan, Vice President Shri Shivaji Education Society. Hon. Adv. Arunbauh Shelke, President of Shri Shivaji Education Society, Hon. Shri Mahadevaraoji Bhuibhar, Vice President Shri Shivaji Education Society, Pro Vice Chancellor Dr. Jaikiran Tiidke, NSS Coordinator of SGBAU, Principal Arvind Deshmukh visited the camp. Different Guest speakers like Mrs. Vaishali Patil, Tahasildar, Amravati, Adv. Dilip Kohale, Prof. Sanjay Alkari, Dr. Ajay Sakhare shared their knowledge during the intellectual sessions. Mr. Rizwan Patel, Mr. Nana Ramatkar, Shri Vidyadhar Kore and Shri Rampal Maharaj spread awareness regarding burning issues like drug addiction, female foeticide, dowry, cleanliness while entertaining the students and the village people.

The camp concluded after a week in the presence of Respected Principal Dr. V. G. Thakare, Dr. V. B. Bhatakar and Mr. Vikas Deshmukh, Sarpanch of Kharatalegaon. The outcome of the camp was Building "Bandhara" for water conservation, and the main focus was on "Swacch Bharat Abhiyan".

Blood Donation Camp:

To make everyone realize the value of blood the "August Krantidin" is selected every year to organize the blood donation camp. Blood cannot be manufactured and there is no substitute for it. Hence it is important to create a network of young blood donors to save human lives. The NSS volunteers enthusiastically donated their blood and in all 76 units were collected which is costing Rs. 38000/- but all know that it is invaluable as the collected blood can save many lives.

Department of Physical Education

Sant Gadge Baba Amravati University Basketball (Women) Intercollegiate Tournaments were organized on 11-09-2014 to 14-09-2014 at the Basketball ground of our college. The inaugural ceremony was held in which, Hon’ble Adv. Arunbauh Shelke, President, Shri Shivaji Education Society, Amravati, Dr. V.G.Thakare, Principal, Shri Shivaji Science College, Amravati and among the guests Prof. M.T Deshmukh, Chairman, Physical Education & Recreation Board, Sant Gadge Baba Amravati University, Amravati, Dr. Ashok Ghogare, Member, Physical Education & Recreation Board, Sant Gadge Baba Amravati University, Amravati and Dr Madhuri Chandade, Chairman, Sant Gadge Baba Amravati University Basketball (Women) Selection Committee graced the occasion with their august presence.

In this tournament our college team was declared the runner up team and from amongst them three students were selected for university basketball team.

Career Counseling Cell

A Motivational Lecture was organized by the Career Counseling Cell of the college, on 11th September 2014.

The invited speaker Mr. Chandrakant Shinde, who is a well known artist from Amravati, delivered his talk on "What's Stops". Through his talk the young minds were challenged to identify the obstacles in their path and come out with the possible solutions to overcome those hurdles.

Alumni Association

Alumni Association of the college organized a Seminar on Personality Development And Interview Techniques. The seminar was delivered by College alumni Dr. Anuradha Totey on 16th Sept. 2014, for all the UG & PG students.
Dr. Totey focused on personality development tips like positive approach, body language (eye contact, body posture and hand shake). She acquainted the students as to how to appear for an interview while keeping oneself composed even with changing scenario.

Faculty Achievements

Awards & Recognitions

Prof. Dr. P. W. Deotare,
Prof & Head, Botany Department was honoured with Dr. B. S. Alias Daddy Deshmukh Memorial Best Teacher Award sponsored annually by Shri Shivaji Education Society, Amravati which was presented at the hands of Hon'ble Dr. Ranjeet Patil, Minister of Maharashtra State on 27th Dec. 2014.

Dr. G. A. Wagh, Department of Zoology was conferred with IIInd Wildlife Photography Award from State Biodiversity Board and also has been nominated as a Member of Maharashtra Pakshimitra Executive Council.

Mr. K. J. Gawai, Department of Env. Science was conferred with State Level National Integration Award 2014, by Akhil Bhartiya Sarva Dharma Sewa Sangh, Maharashtra.

Dr. R. G. Jadhao, Department of Zoology, was honoured with Fellowship-F.S.L.Sc (Fellow member of society of life science)

Shri V. W. Labade, Jr. College Teacher, is nominated on Board of Studies of Computer Science in Maharashtra State Secondary & Higher Secondary Education Board, Pune.

Shri V. S. Jadhao, Jr. College Teacher, is nominated on Board of Studies of Health & Physical Education in Maharashtra State Secondary & Higher Secondary Education Board, Pune.

Doctoral Degree Awardees

Dr. R. G. Deshmukh was awarded Ph.D. degree in Physics by S. G. B. Amravati University in 2014.

Dr. R. V. Kene was awarded Ph.D. degree in Mathematics by S. G. B. Amravati University in 2014.

Faculty as a Resource Person

Dr. V. B. Bhatkar, Head, Department of Physics delivered a lecture on, “Personality Development through Science Education” at Mahatma Fule College, Warud.

Dr. S. P. Ingole, Head, Department of Environmental Science delivered a lecture on “Environment and Health Awareness” at J.D.P.S. Mahavidyalaya, Daryapur and her other lecture was on “Waste water management” at Panchayat Raj training centre, Amravati.

Dr. C. S. Ukesh, Department of Microbiology delivered a lecture on “Biototechnology for Better Tomorrow” at Rural Institute, Amravati.

Dr. G. A. Wagh, delivered lectures on “Need of Nature Lovers” at Vinayak Vidya Mandir, Amravati, on Biodiversity Conservation” at RDIK College, Badnera, on “Threats to Bird Diversity” at MF College, Warud and on e-bird at E-Bird workshop, at Wadali garden hall, Amravati.

Dr. H. S. Lunge, Department of Statistics delivered a lecture on “Testing of Hypothesis in Physical Sciences” during the Refresher Course in Basic Sciences, organized by the Academic Staff College, and another lecture in One Day University level IQAC Workshop on “Criterion Second of SSR”, organized by SGBAU.

Dr. U. V. Kale, Department of Statistics delivered a lecture on “Question of Statistical Significance” during the Refresher Course in Basic Sciences, organized by the Academic Staff College, SGB Amravati University, Amravati.

Dr. R. R. Khokale, Librarian delivered a lecture during the Refresher Course, organized by the Academic Staff College, SGB, Amravati University Amravati.

Prof. Dr. P. W. Deotare, delivered a Guest Lecture on “Diversity of VAM Fungi and Its Role in Agriculture for Sustainable Development” at Shivaji College, Akola and on “Mycorrhizal Biotechnology for Agriculture” at M.F. College, Warud.

Dr. P. R. Mandlik, Department of Chemistry, delivered lecture on “Symmetry & Group Theory” at Shivaji Science College, Akola, J. M. V. Achalpur and R.D.I.K. Badnera.

Dr. D. V. Hande, Department of Botany, delivered a lecture on “Wonders of Mushroom” at S.P.M. Gilani Art, Comm. and Science College, Ghatani, Dist- Yeotmal.

Dr. D. D. Khedkar, Department of Botany delivered his guest lecture at RDIK College, Badnera as the inaugurator of the Nature Club, Green Soldier and Research Cell on the topic “Environmental Crisis”.

Dr. T. B. Wankhade, Department of Botany, chaired the technical session at National Conference on Advanced Studies in Life Sciences and Medicinal Plants held at Nagnath Arts, Comm. and Sci. College, Aundha Nagnath. Dist. Hingoli.
Students' Achievements

**Academics**

**Ku. Neha Dipak Mahurkar** bagged the GOLD medal in Chemistry & stood 2\textsuperscript{nd} in the merit list of Bachelor of Science (Summer-2014) of S.G.B. Amravati University.

- **Ku. Yugandhara Sanjay Dakhole**
  - Participated in west zone inter university at Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal.

- **Ku. Tejaswini Baburao Bambal**
  - Participated in All India inter university at Rashtrastra Tukadoji Maharaj Nagpur university, Nagpur.

- **Vinay Dattatray Wagh**
  - Participated in west zone inter university at Rashtrastra Tukadoji Maharaj Nagpur university, Nagpur.

**Other Toppers in University Merit List**

- **Ku. Priti Bonde**, M.Sc. Env. Sci. 1\textsuperscript{st} Merit
- **Ku. Vrushali Deshmukh**, M.Sc. Env. Sci. 2\textsuperscript{nd} Merit
- **Ku. Aishwarya Joshi**, M.Sc. Comp. Software 1\textsuperscript{st} Merit
- **Ku. Snehal Deshmukh**, M.Sc. Comp. Software 2\textsuperscript{nd} Merit
- **Azhar Khan**, M.Sc. Comp. Software 3\textsuperscript{rd} Merit
- **Ku. Monika There**, B.Sc. 3\textsuperscript{rd} Merit
- **Ku. Shruti Chande**, B.C.A. 4\textsuperscript{th} Merit

**Cultural Activities**

**Folk Dance**

**Ku. Monali Gawande**
- Participated in 8\textsuperscript{th} South Asian Youth Festival at Mohanlal Sukhadia Vidyapith, Udaipur, and also participated in west zone inter university at Berahampur university and stood second in Maharashtra state inter university youth festival (Indradhanush) at SGB Amravati University, Amravati.

- **Yuvraj Takey**
  - Participated in west zone inter university at Berahampur university, Berahampur and stood second in Maharashtra state inter university youth festival (Indradhanush) at SGB Amravati University, Amravati.

**Games & Sports**

- **Basket Ball**
  - **Ku. Dharini Shivaji Deshmukh**
  - **Ku. Akanksha Mahure**
  - **Ku. Tejaswini Kadam**
  
  Participated in west zone, Inter University at Banasthali Vidyapith, Banasthali.

- **BADMINTON**

  - **Aditya Bhalchandra Ghongade**
  
  Participated in All India Inter University Bharthiar University Coimtore & Team (4\textsuperscript{th} place) in west zone inter university at Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal.

- **Dr. Sumit Ingale**
  - Dr. Shiva Tale
  - Dr. Atul Doad
  
  were awarded Doctoral Degree in Geology under the guidance of Dr. S. P. Khadse

- **Dr. Syed Sajeed Ali**
  - was awarded Doctoral Degree in Microbiology under the guidance of Dr. N. N. Vidhale
Dr. Amol K. Dhawas was awarded Doctoral Degree in Chemistry under the guidance of Dr. S. S. Thakare
Dr. Miss P. M. Dahikar was awarded Doctoral Degree in Chemistry under the guidance of Dr. R. M. Kedar

Mr. Akash Bhatkar, B.Sc. III (BIO) Participated in AVISHKAR 2015.

Selection at National Level
Mr. Hemant S. Gohad (B.Sc. I PCM) was selected for participation in National Initiative on Undergraduate Science (NIUS-Physics) camp (18 - 24 December, 2014) held at Homi Bhabha Centre for Science Education, TIFR, Mumbai.

Prize Winners in Co-curricular Activities
Miss Ankita Nahe (M.Sc. II Physics) and
Miss Diksha Pawar (M.Sc. I Physics) bagged
1st Prize in intercollegiate poster competition for PG students at PGTD SGBA University, Amravati, on 29th September, 2014.

Ku. Ashwini B. Karangale (B.Sc. MBZ) bagged 1st Prize in intercollegiate seminar competition (Zoology) at SGB, Amu. Am. on 7th October 2014.

Ku. Neha Bobade & Ku. Pooja Chawda secured 1st Rank in paper presentation in National level contest (Computer Science)

Ku. Amruta Bhojane & Amit Wani bagged 2nd Prize in paper presentation State Level Competition (Computer Science) conducted by VMV College, Nagpur.

Retirement Function
Prof. Murtuza Ali, retired on 31st October 2014 as a Head, Department of Computer Science. He had rendered his services to the college for 32 years. He began his teaching career initially from the junior college wing and later joined as a senior college lecturer in the Physics department.

Since 1988 he served the institution as the head of the Computer Science Department till his retirement. He worked as an IQAC coordinator and rendered his services in enhancing the quality parameters of the institution. He also contributed as a peer team member for NAAC assessment of various colleges and astronomical observations.

Shri Ramesh Uttamrao Nishane retired as a laboratory attendant on 31st July, 2014 from the Zoology department. He served the college for 33 years.

Upcoming Events

- National Youth Day (12th January 2015)
- National Science Day (28th February 2015)
- A Programme on Science & Technology for Human Development in collaboration with Indian Science Congress, Amravati Chapter (9-10 March, 2015).