



Dolphin Insight

The Quarterly News Bulletin of Dolphin (P.G.) Institute of Biomedical & Natural Sciences, Dehra Dun-248 007
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The activities in the Institute have increased manifold over a period of time, which is quite natural as the organization is growing.

The college is committed to enhancing and sustaining quality parameters in order to ensure that students receive the best possible learning experiences. It adopts the strategy of the holistic development of students and strives

hard towards the achievement of this goal. All academic programmes, co-curricular and extra-curricular activities reflect the institutions mission to empower young men and women to face any situation in life bravely and to develop into thorough professionals.

The Institute's range of courses across major disciplines is testimony to its commitments to the realization of its mission and vision.

We therefore use innovative procedures for value addition to the curriculum and offers programmes in both traditional and emerging fields. The courses offered by various departments also emphasize on skill development and experiential learning. Industry-academy collaboration and tie-ups with institutions like NPTEL have ensured that students obtain the best possible exposure to multiple learning experiences.

The institution provides an environment that supports teaching-learning effectiveness, personal growth and promotes responsible citizenship. These constitute some of the major strengths of the College.

The Institute encourages and fosters teacher excellence and to this end organizes a number of training and capacity-building programmes for faculty at different levels. Research in the college has been given a strong thrust during the last decade. The IQAC of the college has duly extended its activities to cover all aspects of the functioning of the college. At the same time the Training and Placement Cell has been vigorously pursuing its mandate of providing the training to the students and creating opportunities to enhance their employability.

The college, in its 14th year of existence, remains fully aware and committed to its mission of empowering its students to meet the challenges at both personal and professional level.

(Arvind Gupta)

NAAC Sponsored National Seminar

A 2-day's NAAC sponsored National Seminar on "Quality Enhancement through Innovative Practices in Teaching, Learning and Evaluation" was conducted by IQAC, Dolphin (PG) institute of Biomedical & Natural Sciences, Dehra Dun on 23rd & 24th November, 2015.

Number and diversity of participants: Total participants: 149; Participants from outside Uttarakhand: 23; States: 05; Universities: 19; Colleges: 50.

Day-1: Besides the key note address by Prof. Aeizaj Maseih, Department of Education, Jamia Milia University, Okhla, New Delhi, a total of four guest lectures were delivered by eminent educationists from across the country, covering varied topics under the theme of the seminar. The key note address focused on individual teacher's role in teaching, learning and evaluation. While Prof. Arya Kumar in his lecture elaborated the challenges faced in higher education.



Sh. Arvind Gupta, Chairman presenting memento to Dr. DN Sansanwal

Day-2: A highly inovative and informative Quiz through software was organized by Prof. D. N. Sansanwal on "Research methodology". The competition included various hypothesis, statistical analysis tools etc. Participants were encouraged to take part in it. Lecture on "Role of IQAC" by Dr. C. D. Suntha, Coordinator, State Level Quality Assurance Cell (SLQAC),

Uttarakhand was very popular with participants. He also dealt on the subject regarding preparation for NAAC accreditation and the SSR.

Poster presentation by the participants was organized and prizes were awarded. The seminar concluded with the distribution of certificates to the participants.



Release of abstract of the Guest Lectures

Inauguration

Advanced Diagnostic Centre

Maa Bala Sundri Diagnostic Centre was inaugurated on 27th Nov. 2015. This centre is equipped with modern facilities such as biochemistry analyzer and fully automated cell counter. The centre will provide all the major investigation related to blood & other fluids for the general public at affordable cost.



Diagnostic Centre of Dolphin Institute

Information technology acts as foundation for better access to information in society. It is a term popularly used to refer to the availability and use of advanced information services by means of a variety of high capacity data transport facilities, especially the computers and computer networks. An updated ultra modern hightech Computer Lab having more than

Hightech Computer Lab



Chairman inaugurating Computer Lab

100 computers was inaugurated by the Chairman Shri Arvind Gupta on 27th Nov. 2015. All the Computers are connected with internet facility.

Also, present on the occasion were Dr. Shailja Pant Principal, Mrs. Arti Gupta OSD, and Vipul Garg, incharge Computer Lab.



Computer class in full swing

News Update

NPTEL Local Chapter :

A major leap in ICT Education at Dolphin

The National Programme on Technology Enhanced Learning (NPTEL) is coordinated by IIT Madras. NPTEL is funded by the ministry of Human Resources Development (MHRD) to take quality education to remote areas. Over the decade, NPTEL has become the most extensive and most viewed education channel in the world. Till now, 860 courses have been recorded and put online, with each course containing at least 20-30 lectures. Recently, Dolphin (PG) Institute of Biomedical and Natural Sciences, Dehradun has been recognised as a Local Chapter for NPTEL activities by IIT Madras. Now the students get a glimpse of

how IIT students learn. The institute made viewing of NPTEL videos compulsory. The NPTEL lectures are of various kinds, some with students and some with the instructor speaking directly to the camera. Some professors sit on a chair and talk with slides while others use the blackboard and perform in actual classroom environments. Recently, NPTEL launched certification programmes, which have also become popular among students of the institute. The institute has recommended, Dr. Aasheesh Raturi, Head of the Physics Department as a Single point contact person (SPOC) for maintaining the bridge between DIBNS and NPTEL, IITM.

- Dolphin Institute, Dehradun has come up with department of physics with a well equipped laboratory in June 2015. Under this post graduate course has been commenced with an availability of 30 seats.
- H.N.B. Garhwal (Central) University implemented Choice Based Credit System (CBCS) from session 2015-2016 for under Graduate courses. Courses B. Sc. Biotechnology, B.Sc. Forestry and B. Sc. Horticulture in Dolphin Institute, Dehradun were also converted into CBCS System.
- CCTV Surveillance Systems has been installed in the Dolphin Campus as well as in all the hostels. Biometric attendance system has been installed in the institute.
- H.N.B. Garhwal (Central) University semester examinations were started from 22nd December 2015 for both Undergraduate and Post graduate courses. This year university old semester examinations were conducted both under manual and Electronic Surveillance System (CCTV).

Awards

Ms. Ritu Singh (Assistant Professor, Department of Pharmaceutical Chemistry) was conferred with Best Research Award, for her studies entitled 'Microbial participation in degradation pattern of chemically modified polyvinyl chloride (PVC)' in National Conference on Recent Trends in Environmental Science and Carbon Management (RTCM-2015), held on 19-20

November 2015 at Central University of Himachal Pradesh, Kaugra.

Recognition

Dr. Sanjay Kumar Agarwal was appointed as Judge for Regional Level Science Competition for North Zone which was organized by Central Board of Secondary Education (CBSE) Govt. of India on 11-12 December, 2015.

Training/Symposium/National Conference Attended

Dr. Gyanendra Awasthi, Head, Department of Biochemistry, attended one week (19th to 23rd Oct., 2015) training on Molecular biology Techniques conducted by molecular diagnostic laboratory at SGR Medical College, Dehradun.

Dr. Suman Rawat and Dr. Arti Tomar (Dept. of Chemistry) attended a Symposium on Phytochemistry and Ayurveda Potential and Prospects, on 19

Dec. 2015, at the Office of the "University Journal of Phytochemistry and Aurvedic Heights", Dehradun.

Mr. Rohit Verma (Dept. of Chemistry) attended National Conference on Monitoring and Management of Drinking Water Quality (MMDWQ) & XXVIII Annual Conference of National Environment Science Academy, held from 21st to 23rd December at UCOST. He presented a poster

entitled "Development of Low-Cost Physically Activated Carbon and its Application in Removal of Phenolic Compounds from Waste Water".

One day training programme was attended by Dr. Beena Joshi Bhatt and Dr. Shalini Anand (Dept. of Zoology) on 'Rights of Women' sponsored by National Human Rights Commission New Delhi at DBS(PG) College, Dehradun on 18th Dec., 2015.

Chairman Supports NGT Decision

A meeting was convened by Hindustan Times group at Dehradun on 15 December 2015, where Chairman and Director Dolphin Institute, Dehradun were the speakers. Supporting NGT decision Chairman Dolphin

Institute Mr. Arvind Gupta emphasized that the environment should be made a part of our life style. He told that people will have to include the aspects of environment into their habits and that will be possible by awareness, infra-

structure development and recycling management. He also said that environment can be made clean and healthy only by connecting common people. Dr. Arun Kumar, Director, Dolphin Institute also supported the decision of NGT.

Academic Achievements (Toppers)

M.Sc. Pharmaceutical Chemistry 4th-Sem  Harchan Singh 77.88 W.A.P./7.99 G.P.A.	M.Sc. Forestry 4th-Sem  Elonto Swu 71.21 W.A.P./7.31 G.P.A.	M.Sc. Biochemistry 4th-Sem  Sriparna Dutta 83.14 W.A.P./8.40 G.P.A.	B.Sc. Biotechnology 4th-Sem  Hepseeba Rani 602/800
B.Sc. Horticulture 2nd-Sem  Ronina Linggi 524/650	B.Sc. Agriculture 2nd-Sem  Aisina Yamso 470/600	B.Sc. Agriculture 4th-Sem  Mhao T Kikon 495/600	B.Sc. Agriculture 6th-Sem  Vizole-U Whuorie 419/525
B.Sc. Forestry 2nd-Sem  Ritwika Mukhopdhyay 544/625	B.Sc. Forestry 4th-Sem  Kanchan Dadwal 500/600	B.Sc. Forestry 6th-Sem  Mmhayilo Kikon 505/600	B.Ed.  Akash Nautiyal 458/600

Memorandum of Understanding (MoU)

Dr. Sas Biswas HoD Dept. of Forestry, Dolphin Post Graduate Institute of Biomedical and Natural Sciences, Dehradun signed a Memorandum of Understanding on 11th December 2015 with Faculty of Tourism, Garden City College of Science and Management Studies, Bangalore, Karnataka. The Memorandum of Understanding (MoU) aims at forestry integrated collaborative studies highlighting the importance of the ecological hotspots present in areas of tourism potential in the states of Uttarakhand and Karnataka, and their impacts in



Dr. Biswas signing the MoU

the fields of tourism and forestry. Both the institutions are looking forward to conduct student and

faculty exchange programme to hold joint international seminars and conferences, and publish technical papers together. They shall also seek each other's assistance in bringing in subject matter experts.

Wildlife Week Celebrations [1st -7th October, 2015]



Sh. Arvind Gupta, Chairman & Dr. Shailja Pant, Principal sowing the sapling in the institute campus

In order to generate awareness among the students and educators in favour of protection of wildlife, Department of Forestry, Dolphin PG Institute organized various activities related to conservation of fauna, flora and related aspects of wildlife to commemorate the week. It covered different competitions, birding and flora count, Collage making, Master Quiz and short presentations. A guest lecture was delivered by renowned wildlife conservationist, Dr. Sonali

Ghosh, IFS of UNESCO Heritage Centre, Wildlife Institute of India and the valedictory was delivered by Dr. Arun Kumar Director of the Institute.

Inauguration of week was done by the planting of saplings of Sandal, Sterculia and Rudraksh by the Honourable Chairman of the institute, Shri Arvind Gupta followed by the Principal, Dr. Shailja Pant, Shri Chanchal and Prof. Sas Biswas, HoD Forestry.

Organisation of World Disability Day

● Disability Day, or the International day of people with disability was celebrated in the institute on 03rd December, 2015 with the aim to encourage a better understanding for welfare and awareness in people affected by disabilities. Presentations on Assistive Devices and Walking Aids were done by MPT students. Dr Deeptee Warikoo delivered a lecture on Disability and Role of Physiotherapy.



MPT students of Dolphin Institute at world disability Day

World Fishery Day

Department of Zoology on 21st Nov. 2015 celebrated 'World Fishery day'. The events organized were Quiz Competition and Oral Presentation. In quiz the winners were Shabnum Shabir and Mudassir Ashraf and the runner up were Tabassum Gauhar and Summera Rasool. In oral presentation, the winner was Samim Rehman and Runner up was Arshid Ganae. Prizes were distributed by Dr. Arun Kumar, Director of the institute.

Visit of Luminaries

Prof. S.B. Desh Pandey of Institute of Medical Sciences, Banars Hindu University, Varanasi.

Dr. Arya Kumar, Director Lal Bahadur Shastri Institute of Management, New Delhi.

Prof. Aeizaj Maseih, Jamia Milia Islamia University, New Delhi.

Dr. D.N. Sansanwal, Ex Chairman, NCTE, Northern Region and currently member of NAAC Committee.

Dr. C.D. Suntha, Head, State IQAC, NAAC, UK & Principal, Govt. PG College Champawat.

Prof. K.P. Budhori, Ex-Head & Dean of Education SGRR (PG) College, Dehradun.

Educational Tours



B.Sc. Forestry Students of Dolphin Institute at Nainital Forest Division, Uttarakhand

● On 26th Nov. 2015 Department of Zoology took the M.Sc. students to an excursion to 'Asan Wetland Conservation Reserve' to provide students with field knowledge on Migratory birds and their habitats.

● The Post Graduate students [1st Year] of the Department of Forestry carried out field trip in the upper reaches of Uttarkashi, Uttarakhand to study the altitudinal variation in forest and its composition.

● A team of B. Sc. Forestry students in association with forestry students of DSB College, Nainital studied the forest flora and socio-economic aspects of tourism-

dependent communities of Pangot and vicinity, Nainital Forest Division, Uttarakhand on 01st December 2015 bridging the gap between two field of studies.

● A Field visit to Krishi Vishwa-vidyalaya (K.V.), and Regional Horticulture Research Station, Dhaulakuan, H.P. was undertaken by the students of M.Sc. Botany III Sem. to take stock of plant health centre, pathology lab and crop diseases under field conditions.

● Another Field visit to Botanical Survey of India, Northern Centre, Dehradun was undertaken on 13th Oct. 2015 by the students of M.Sc. Botany I Sem.

Quiz Contest



Participants from Biotechnology department at Quiz competition

The department of Biotechnology conducted a quiz contest on "Recent Trends in Biotechnology" on 21st Nov. 2015. It was conducted at two different levels viz. PG and UG Levels.

The winners of the PG level quiz contest were Parvaiz and Ishaq. The First and second runner-ups were Prakash, Jahidul and Farhan Naveen respectively.

The winners of the UG level quiz contest were Paney and Haider. The First and second runner-ups



Dr. Bagchi conducting quiz competition were Bhawna, Nisha Anurag and Amit respectively.

Health Camps

Department of Pathology and Department of Physiotherapy-Dolphin Institute, Dehradun jointly organized a Health Camp in a distant village RAMSAWALA, P.O.- Bhauwala, Sahaspur, Dehradun (Uttarakhand). It was held on 5th November 2015 and more than 150 male, female and children were benefited. Camp was organized along with medical OPD at Ramsawala, Dehradun to celebrate UTTARAKHAND

STHAPANA DIWAS. Dr Vivek Chauhan and Dr Jaishree were present at the camp.

The Department of Physiotherapy conducted a free physiotherapy camp on at Rajawala, Dehradun. More than 50 patients were treated in the camp.

Health Camp was organised by department of Physiotherapy on 24 November 2015 at Panchayat Bhawan, Bhagwanpur, Dehradun in collaboration with Himalayan

Institute of Pharmacy and Research, Dehradun. 46 patients were treated. Dr Kapil Garg and Dr Keerty Mathur conducted the camp.

Another free physiotherapy camp was organised on 20th December 2015 by the department at Kotda Kalyanpur, Dehradun. Dr Deptee, Dr Vivek, Dr Sunil, Dr Kapil and Dr Keerty conducted the camp. Around 50 patients were treated.



Faculty and students at various Health Camps

Workshop on 'IPR and Career Mastery'



The Department of Biotechnology, organized a workshop on “IPR and Career Mastery” on 3rd Nov. 2015. Dr. Sovan Bagchi, HoD Biotechnology welcomed the participants in the morning followed by address of Dr. Arun Kumar, Director, Dolphin Institute. Dr. Arun Kumar explained in detail the need and importance of Intellectual property rights with various interesting examples. The workshop was organized in association with one of the leading IP consultancy firm of India i.e., the IIPTA, New Delhi. The workshop covered different aspects of intellectual property rights (IPR). The nodal resource



Dr. Arun Kumar delivering Lecture in IPR Workshop

person of the workshop Ms. Cheshta Sharma, described in very lucid language various aspects of IPR like patent, trademarks, farmer's rights etc. She also guided the students to choose a career option in IP sector. The participants were very keen to attend such a workshop which has relevance in the modern scientific world.

Guest Lectures



Guest Lecture by Prof. S.B. Deshpande

- Department of Biotechnology organized a guest lecture “How to write a research article” on 7th Nov. 2015 by Prof S. B. Deshpande of Institute of Medical Sciences, BanarasHinduUniversity, Varanasi.
- Department of Chemistry along with Department of Pharmachemistry organised Guest lecture on the topic “Surface Characterisation techniques Overview-SEM, XPS, XRD & Raman”, on 4th November, 2015. The lecture was delivered by Dr. Akhilesh Chandra Joshi, Scientific Officer, Department of Atomic Energy, Kalpakkam, Tamil Nadu.
- Department of Zoology organized a guest lecture on “Sericulture” on 17th Oct. 2015. The guest speaker was Dr. Pankaj Tiwari, Scientist 'D', RSRS, Dehradun.
- Department of Zoology organized another guest lecture on 28th November 2015, delivered by Dr. Anjum Rizvi, Scientist 'D', ZSI, Dehradun on “Molecular Taxonomy”.

- Department of Zoology also organized a guest lecture on 8th December 2015 by Prof. S.N. Bahuguna, Department of Zoology & Biotechnology, H.N.B. Garhwal Central University, Srinagar on 'Embryology of Fishes'.
- Department of Physiotherapy organized a guest lecture on 17th Oct. 2015 by Dr Niti Chauhan on “Sports Nutrition”.
- Department of Physiotherapy organized another guest lecture on 24th Oct. 2015 by Dr Richa Agarwal on “Sports Injury & Physiotherapy”.
- Training & Placement Cell in collaboration with Deptt. of Microbiology organized a Guest Lecture on 11th Oct 2015 by Dr. G. S. Bedi, Sr. Manager- Q.A., Sun Pharmaceuticals Industries Ltd., (H.P.) on Fermentation.



Guest Lecture Dr. B.S. Bedi of Sun Pharmaceuticals Industries HP

Workshop on Articular Dysfunction & Management

The Department of Physiotherapy organized 2 days hands on workshop on Articular Dysfunction and Management on 18-19 December 2015. Resource person : Dr Deepak Samantaray, MPT, CMMT, CMT, MIAP, FOUNDER Spinal Manual Concepts, Director Relight Physiotherapy Center, Bhubaneswar. Total contact was 16 hours & 36 students from Dolphin institute and other institutes of



Participants from Department of Physiotherapy of Dolphin Institute

Dehradun participated. The workshop enabled the students for better diagnosis and apt treatment.

Blood Donation Camp

Dolphin Student Welfare Committee organized a blood donation camp on 27th Nov., 2015 in collaboration with IMA Blood bank, Dehradun on the occasion of birthday of Shri Arivnd Gupta, Chairman & 150 unit of blood was donated by staff, faculty & students of the institute. On this occasion along with IMA Blood Bank Staff, also present were Ms. Arti Gupta OSD, Dr. Shailja Pant Principal, Dr. Arun Kumar, Director, Mr. Vipul Garg, Dean DSWC and HoD and many faculty members to encourage the students to donate blood for a noble cause.



Chairman & Director at Blood Donation Camp in Dolphin Institute

Training and Placements



Industrial Visit Themis Medicare Ltd. 19 December 2015 B Sc. Medical Microbiology 3rd Year

Interview : An interview was arranged by Training & Placement Cell in the premises of a renowned MNC, namely, Modhike Pharmaceuticals Ltd., Dehradun for the students of M. Sc. Biotechnology/Microbiology on 6th October 2015. Ms. Swati Bora of M. Sc. Biotechnology was shortlisted for the post of Q.C.-Microbiologist.

Industrial Visit : Training & Placement Cell arranged an industrial visit for the students of M. Sc. Microbiology on 28th November 2015 to the Avon Beauty Products Pvt. Ltd., Dehra Dun, a renowned FMCG Group. Another industrial visit for the students of B. Sc. Medical Microbiology was arranged on 19th Dec. 2015 in Themis Medicare Ltd., Haridwar, a renowned Pharmaceutical Company.



Industrial visit Avon Beauty Products Pvt. Ltd. Dehradun, 28 Nov 2015, M Sc. Microbiology- 3rd Sem

DSWC Activities



Students having fun

Freshers' Party for session 2015-16 was organised in the Institute with great enthusiasm and vigour on 2nd & 3rd October. A number of programs were organized by different departments. Miss & Mr. Freshers were selected. Each department was given a dress code. The students were looking very radiant. Various programs, viz. ramp walk, solo dance, solo song, question hour, task management etc. were held.

Dolphin Alumni Association (Regd.) 2015-16

Election of Dolphin Alumni Association was held on 23rd December 2015. Dr. Sovan Bagchi, Professor & Head, Department of Biotechnology acted as election officer on behalf of the Institute.

The newly elected office bearers are Mr. Aditya Swarup (President), Mrs. Manisha Nanda (Vice

President), Dr. Depte Warikoo (Secretary), Dr. Keerty Mathur (Joint Secretary), Dr. Kapil Garg (Treasurer) & Ms. Ritu Singh (Joint Treasurer). Committee members are Dr. Pramod Kumar, Dr. Vinod Kumar, Dr. Dilip Singh, Dr. Deepty Mathur, Ms. Romila Tutoo & Mr. Ankit Johari.



Winners Miss & Mr Freshers 2015-16

Celebrating Uttarakhand Uday

Dolphin Institute celebrated Uttarakhand Uday week programme in the campus with Amar Ujala daily news paper. Students Participated in many activities throughout the week, as under:-

On 2nd November 2015, Swachata Abhiyan was organized between Manduwala Chowk and Dolphin Institute, campus. Theme of the programme was "Ek Kadam Swachhta ki Aur".

On 3rd November 2015, a programme "Clean & Polythene free campus" was organized in Dolphin Institute campus.

On 4th November 2015 the cake cutting ceremony and cultural programmes were held in the campus. Balloons were released as a mark of peace and prosperity.

On 5th November 2015 a Health Checkup Camp was organized at the village Rajewala, Dehradun.

Stationary distribution programme was organized in nearby



Glimpses Uttarakhand Uday

schools of Dolphin Institute, Dehradun on 6th November 2015. 250 students were benefitted from this programme.

228 Special Monthly Scholarship Distributed



Director & Principal distributing scholarships

Monthly scholarships were distributed to 146 students from every department of the institute for the month of Oct.-Dec., 2015. The special monthly scholarships was awarded to

2 students from each section of every department on the basis of their performance in academics and discipline. DSWC distributes a sum of ₹ 150,000 p.a. under this scheme.

Social Responsibilities

22 students of Bal Vanita Ashram were adopted

DSWC celebrated Deepawali with the orphan children of Shri Bal Vanita Ashram Dehradun. Institute made arrangements of delicious chat and other food items for the children.

The 22 students of Bal Vanita Ashram were adopted by the Dolphin institute to provide them better education. Dolphin institute spends ₹ 1,21,000/- per annum on these activities.



Deepawali gifts from the Institute

Dolphin Dance Troup Wins a Prize of ₹ 10,000

The Dolphin dance troupe 'Lingi & Group' participated in Lovely Professional University, Jalandhar from 29th to 31st Oct 2015.

The Dolphin dance troupe "Mathew & Group" participated in the dance competition held at Tulas College, Dehradun and won the first prize of ₹ 10000.

Students of Dolphin Institute also participated in dance and song competition held at IMS University Dehradun from 26th to 28th November, 2015.



Dance Troup performing at the competition

In Campus Participation

Two students of B Sc. Medical Microbiology 1st Year, Isha Koul & Priya participated in Wild Life week organized by the Dept. of Forestry (02 to 09th October 2015) and secured 2nd position.

Students of B Sc. Medical Microbiology 1st Year, Shoaib performed a Skit (To save Baby Girl) on 7th November 2015, on the occasion of 15th Anniversary of Uttarakhand State, in the Institute.

Students of B Sc. Medical Microbiology 1st Year, Isha Koul, Frahan, Aman, Chinari, Shoaib served as volunteers in the Blood Donation Camp organized by DSWC, Dolphin, Institute, on 27th November 2015.

Faculty Corner

आशा

शुष्क मरुस्थल में भी हरियाली पायी जाती है
कठोर व्यक्तित्व में भी भावनाएँ छिपी होती हैं

घोर निराशाओं में भी आशा की किरणें होती हैं
तीव्र ऊष्णता में भी ठंडी बयारें बहा करती हैं

बात सिर्फ अहसास की है वरना खोता कुछ भी नहीं है
जो कुछ भी खोया है उसे पाया जा सकता है

विपरीत परिस्थितियों में यदि रखे
हौसला और इच्छाशक्ति
तो मुश्किल समय के थपेड़ों को भी
हंसकर सहा जा सकता है।

- शील

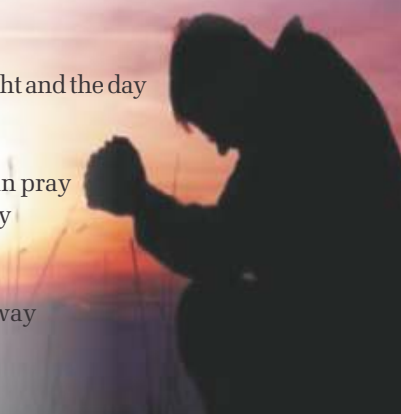


Student's Corner

Oh God !

Show me the right way I say
The way that nature has provided
Show me the way that satisfies the soul
The way that I can cross the night without seeing the day
Show me the way where people are engaged in his way
The way where people are interested in his pray
Show me the way where people do not believe in disband
The way where people do believe without causing any blame
Show me the way where nature provides cool and calmness during the night and the day
The way where everyone enjoys the nature and can play
Show me the way where the flowers sing and dance in the day
The way where bees suck the nectar from the charming flowers and can pray
Show me the way the land where people are full of hunger and can play
The way where the soothing air touches and make alive the hay
Show me the way where snow capped mountains shine in the day
The way where everything resides with peace and can enjoy in every way

by - TND (Nusrat Waheed)
(M. Sc. Zoology- 1st Semester)



Future Planning

Shri Arvind Gupta, Chairman instructed Dean, DSWC Mr. Vipul Garg to ensure that an accidental Insurance Policy come in to existence and to make it compulsory for all students. Initially Institute will bear 50% of the total expenditure. De-addiction center "Nai Pahal"

will be started in Dolphin Campus, Dehradun From February 2016. In this drive the de-addiction center will organize various awareness programmes & counselling Sessions by the experts. The de-addiction center will tie up with the NGOs working in field of De-addiction.

New DSWC Team & Sports Committee Constituted

A new DSWC team was constituted for the session 2015-16 consisting 25 students of different departments. Ms. Pooja Khund (Department of Physiotherapy) & Mr. Rahul Tiwari (Department of Pathology) were selected Head Girl & Head Boy respectively. Mr. Shubham & Ashmita Thapa were selected as sports Captain- Boys & Girls respectively.



Rahul Tiwari
Head Boy



Pooja Khund
Head Girl



Shubham Negi
Captain



Ashmita Thapa
Captain

Clubs

The overall personality development of the students is a major responsibility of DSWC. The following 5 clubs: Namely, Cultural Club (Alankar), Social Club (Anubhuti), Environmental Club (Prakriti), Intellectual Club

(Synchrony) & Photography Club (Focus) respectively have been started under this program. Each club will be headed by one faculty member & two students. Every club will organize related activities round the year.

Sports

The interdepartmental volleyball (Boys & Girls) & Basketball (Boys) were held during the period. The department of Biotechnology was the Winner & department of Agriculture was the Runner up of Volleyball Girls. The department of Medical Lab Technology was the Winner & department of Agriculture was the Runner up of Volleyball Boys. The department of Agriculture was the Winner & department of Medical Lab



Nishant Garg playing roller hockey

Technology was the Runner up of Basketball Boys.

Participation in International Games

Nishant Garg- B.P.T.- 2nd Year participated in world roller hockey championship 2015 as a vice captain of Indian team held at Argentina. He is the member of Indian roller hockey team since last 7 years.



Notice Board

♦ The Annual week "Srijan" (2015-16) is proposed to be held from 22nd Feb. 2016, followed by Annual Day Celebrations on 28th Feb. 2016.

- Dean, DSWC

♦ The application form of special scholarship for economically weak but meritorious students of ₹ 5000/- (10 Scholarships) will be available from 27th January 2016 at DSWC office.

- Dean, DSWC

Scientific Advancements

Four New Elements Earn Permanent Seats on Periodic Table

The seventh row of the periodic table was officially declared full in December, by the Joint Institute for Nuclear Research (JINR) in Dubna, Russia, after the discovery of elements 113, 115, 117 and 118 (temporarily named ununtrium, ununpentium, ununseptium and ununoctium respectively). Published reports on the newly recognized elements will appear in early 2016, says IUPAC. Official recognition of the elements means that their discoverers earn the right

1																	18
H	2											13	14	15	16	17	He
Li	Be											B	C	N	O	F	Ne
Na	Mg	d-block										Al	Si	P	S	Cl	Ar
K	Ca	3	4	5	6	7	8	9	10	11	12	Ga	Ge	As	Se	Br	Kr
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
Cs	Ba	Lu	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
Fr	Ra	Lr	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	113 Uut	115 Uup	117 Uus	118 Uuo		
f-block																	

Designer Immune Cells Used to Treat 'Incurable' Leukaemia Case

In November, a one-year-old girl Layla Richards became the first person in the world to receive a “designer” immune cell therapy to cure her relapsed acute lymphoblastic leukaemia (ALL). The treatment involves using “molecular scissors” (TALEN®)

to edit genes and create T-cells programmed to hunt out and kill drug-resistant leukaemia cells specifically. The edited T cells also became invisible to a powerful leukaemia drug that would usually kill them.



Single Drop of Blood Will Soon be Enough to Diagnose Most Types of Cancer

Researchers at the VUMC Cancer Center Amsterdam have developed a ground breaking technique that can detect different types of cancer at an early stage from a single drop of blood. Current cancer detection methods are time consuming, difficult and expensive. Tom Würdinger and his team discovered that the platelets of patients with cancer contain unique RNA-patterns which helps to distinguish between healthy individuals and people that have cancer, with a 96% certainty for most types of cancer and about 6-8% probability of a false diagnosis.

New Technique Can Classify a Fingerprint as Male or Female

Forensic scientists at State University of New York, Albany reported a chemical procedure that can identify gender from a fingerprint. According to the report published in Analytical Chemistry in October, the test is based on the much higher levels of certain amino acids in the perspiration of women

than in men. Mr. Halamek and his colleagues tested fingerprints on a doorknob, a laminate desktop, a composite bench top and a computer screen. Regardless of the surface type, they found it was possible to tell whether the fingerprint belonged to a woman or man.

New Test Detects all Viruses that Infect People, Animals

A new test 'ViroCap' detects virtually any virus that infects people and animals, according to research at Washington University School of Medicine where the technology was developed in September. The current diagnostic tests aren't sensitive enough to detect low levels of viral bugs or are

limited to detecting only those viruses suspected of causing illness. This test can efficiently detect any virus present at very low levels. It is thought to be especially useful in situations where a diagnosis remains elusive after testing or where the cause of a disease outbreak is unknown.

Self-assembling Material that grows and changes shape could lead to Artificial Arteries

The study, which appeared in September in the journal Nature Chemistry, described how solutions of peptides and proteins can self assemble to form tissues that exhibit dynamic behaviors found in biological tissues, like growth, morphogenesis and healing. The discovery could lead to the

engineering of tissues like veins, arteries and even blood-brain barrier, which would allow scientists to study diseases such as Alzheimer's. The technique could also contribute to the creation of better implants, complex tissues, or more effective drug screening methods.

Gene Mutation Linked to Reckless Drunken Behaviour

In November, University of Helsinki researchers demonstrated that a point mutation in the serotonin 2B receptor gene can render the carrier prone to impulsive behaviour, particularly when drunk. If these results prove significant in larger clinical samples of patients,

several preventive measures could be taken. The most important measure would be controlling the consumption of alcohol. Other measures would include achieving control over behaviour through cognitive-behavioural psychotherapy or medication.

Gene Therapy in Dogs Shows Promise for Muscular Dystrophy

Using gene therapy, researchers at the University of Missouri, reported in October that they've successfully treated Duchenne Muscular Dystrophy in dogs. Human trials are expected to follow in the next few years. DMD is caused by a genetic mutation that disrupts production of a protein called dystrophin.

Patients, primarily males lose their ability to walk and breathe as they get older. There is currently no effective therapy for DMD so it is believed that the study might pave way for treatment if the results of animal studies could be repeated in humans as well.

Malaria Vaccine Provides Hope for a General Cure for Cancer

Danish scientists from the University of Copenhagen and the University of British Columbia achieved a breakthrough in finding a general cure for cancer by attaching malaria proteins to cancer cells, which appears effective on 90% of cancer types. Human trials are expected to begin within four years. The scientists have created the protein that the malaria parasite uses to adhere to the placenta and added a toxin. This combination of malaria protein and toxin seeks out the cancer cells, is absorbed, the toxin released inside, and the cancer cells die.

Direct Conversion of Human Cells from One Type to Another

In a breakthrough for regenerative medicine and tissue engineering, the team - led by scientists from the University of Bristol in the UK have developed a tool that will help scientists directly transform human cells from one type to another. This will bring regenerative medicine a step closer to growing whole organs from patients' own cells. The ability to produce numerous types of human cells will lead directly to tissue therapies of all kinds, to treat conditions from arthritis to macular degeneration, to heart disease.

INTERNATIONAL NEWS

NOBEL PRIZES (2014-2015)

Medicine : Tu Youyou of China, Japan's Satoshi Omura and Irish-born William Campbell jointly.

Physics : Takaaki Kajita of the University of Tokyo and Arthur B. McDonald of Queen's University, Canada.

Chemistry : Sweden's Tomans Lindahl, American Paul Modrich and Turkish-born Aziz Sancar.

Literature : Svetlana Alexivich, a Belarusian, a journalist and prose writer.

Peace : Tunisian coalition National Dialogue Quartet.

Economics : Professor Angus Deaton, a British Economist.

November 4, 2015 : Justin Trudeau takes oth as Canada's 23rd Prime Minister.

November 7, 2015 : The Chinese & Taivanese Presidents, Xi Jinping & Ma Ying-Jeou held historic talks after 66 years in Singapur.

November 30, 2015 : India launches an international solar alliance at the U.N. COP 21 meet in Paris.

December 10, 2015 : Mauricio Macri is sworn in as Argentina's President.

December 12, 2015 : Saudi women cast votes for the 1st time in the Municipal Council Polls. Also for the 1st time, women were allowed to contest.

NATIONAL NEWS

Indian engineers, scientists in U.S. nearing one million

December 1, 2015 : Indian-origin scientists and engineers in the U.S. grew 85% between 2003 and 2013, says a report by the National Science Foundation, a key founder of research in the United States as well as a monitor of demographic change among scientists and technologists.

New Chief Justice of India

December 3, 2015 : Hon'ble President of India Sh. Pranab Mukherjee appointed Shree Tirath Singh Thakur as 43rd Chief Justice of India.

Chennai floods and the aftermath

November 25, 2015 : After severe spells of rain flooded most of the city and large parts of the State, Chennai and areas surrounding the capital city is slowly getting back to normalcy. Subways, hospitals, roads got flooded and entire localities were underwater for the better part of the week.



Earthquake in Afghansitan shakes buildings in north India

October 26, 2015: Tremors were felt in northern India after an earthquake hit Afghanistan on Monday. Tremors were felt in Srinagar and as far as New Delhi.

Seven killed, over 90 injured as quake rocks Northeast



At least Seven people were killed and over 90 injured as a strong 6.8 magnitude earthquake epicentred in Manipur hit the northeastern region, causing damage to buildings and triggering panic.

Army men and locals removed debris from a damaged buildings in the after math of the earthquake in Imphal.

Obituary

We with profound grief, the management, staff and students of Dolhin Institute, Dehradun deeply mourn the sudden demise of our student of B. Sc. Forestry namely Hajari Cheri s/o Mr. Anil Cheri (President- Naga Student Union) resident of Village- Nere, P.O. & P.S.- Seppa, Distt.- East Kamerng-790102 (Arunachal Pradesh), who unfortunately met with an accident on 11th October, 2015 and expired on the same date.

May the departed soul rest in peace and God give ample courage to the bereaved family to bear the irreparable loss.

