



Dolphin Insight

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डॉल्फिन इंस्टिट्यूट में धूमधाम से मनाया गया 16 वाँ वार्षिकोत्सव 'उड़ान'

- डॉल्फिन एनुअल वीक (सृजन) मनाते हुये 'उड़ान 2017' के साथ समाप्त हुये कार्यक्रम।
- दुल्हन की तरह सजा था संस्थान का देहरादून स्थित परिसर।
- दमदार प्रदर्शन के आधार पर छात्र-छात्राओं ने कब्जाये ढेरों पुरस्कार।

डॉल्फिन (पी०जी०) इंस्टिट्यूट ऑफ बायोमेडिकल एण्ड नेचुरल साइन्सेज, देहरादून के परिसर में 16 वाँ वार्षिकोत्सव 'उड़ान- 2017' धूमधाम से मनाया गया। इसमें शैक्षिक, शिक्षणेत्तर, सांस्कृतिक तथा खेलकूद गतिविधियों में सर्वश्रेष्ठ प्रदर्शन करने वाले छात्र-छात्राओं को पुरस्कृत किया गया। इस अवसर पर छात्र-छात्राओं ने अपनी उत्कृष्ट सांस्कृतिक प्रस्तुतियों से समा बाँध दिया।

वार्षिकोत्सव का उद्घाटन मुख्य अतिथि यूकॉस्ट (उत्तराखण्ड काउंसिल फॉर साइंस एण्ड टेक्नोलॉजी) के महानिदेशक डा. राजेन्द्र डोभाल ने माँ सरस्वती की प्रतिमा



चेयरमैन एवं प्रिंसिपल द्वारा मुख्य अतिथि का स्वागत



विशिष्ट अतिथियों के समक्ष दीप प्रज्वलित करते श्री रमेश गर्ग

के समक्ष दीप प्रज्वलित कर किया। कार्यक्रम का शुभारम्भ गणेश वन्दना के साथ ही सभी अतिथियों के सम्मान में स्वागत गीत के साथ हुआ। इस अवसर पर संस्थान की प्राचार्या डॉ. शैलजा पंत ने वर्ष 2016-17 के लिए शैक्षिक, शिक्षणेत्तर, सांस्कृतिक, खेलकूद तथा शोध कार्यों पर आधारित वार्षिक रिपोर्ट भी प्रस्तुत की। कार्यक्रम में यूकॉस्ट के महानिदेशक श्री राजेन्द्र डोभाल, श्रीमती वन्दना डोभाल, डॉल्फिन एजुकेशनल

सोसाइटी ऑफ इण्डिया के अध्यक्ष श्री रमेश गर्ग, श्रीमती गर्ग, डॉल्फिन इंस्टिट्यूट के चेयरमैन श्री अरविन्द गुप्ता, प्राचार्या डा० शैलजा पंत, निदेशक डा० अरुण कुमार, डीन डी०एस०डब्ल्यू० श्री विपुल गर्ग तथा स्पोर्ट्स ऑफीसर श्री एन०के० जोशी, नेपाल हेल्थ पैरामेडिकल काउंसिल के चेयरमैन श्री दीपेन्द्र कुमार झा तथा विख्यात फिजियोथैरेपिस्ट डॉ० नरेश कुमार के साथ अनेकों गणमान्य अतिथियों ने शिरकत की।

गुरु शिष्य परम्परा का सम्मान करें

- वार्षिकोत्सव में मुख्य अतिथि यूकॉस्ट (उत्तराखण्ड काउंसिल फॉर साइंस एण्ड टेक्नोलॉजी) के महानिदेशक डा. राजेन्द्र डोभाल ने दिये कैरियर के टिप्स

डॉल्फिन इंस्टिट्यूट के वार्षिकोत्सव में मुख्य अतिथि यूकॉस्ट (उत्तराखण्ड काउंसिल फॉर साइंस एण्ड टेक्नोलॉजी) के महानिदेशक डा. राजेन्द्र डोभाल ने छात्र-छात्राओं को सलाह दी कि वे जिस भी क्षेत्र में कैरियर बनाना चाहते हैं, उसके लिए अपना लक्ष्य तय करके समर्पित भाव से प्रयास करें। वें गुरु शिष्य परम्परा का सम्मान करें और गुरु जो भी सिखायें उस पर ध्यान दें। इसके लिये उन्होंने महान दार्शनिक अरस्तु और उनके अजेय शिष्य सिकन्दर का उदाहरण दिया। उन्होंने आगे कहा कि आज छात्र-छात्राओं के सामने



डा. राजेन्द्र डोभाल छात्रों को सम्बोधन करते हुये

अनेकों चुनौतियां हैं लेकिन वे असफलताओं से घबराये नहीं बल्कि इन्हें चुनौतियों के रूप में स्वीकार करें। उन्होंने विश्वास दिलाया कि यदि छात्र-छात्राये समर्पित भाव से परिश्रम करें तो अवश्य सफलता मिलेगी।

Thupten Tshering and Khundongbam Valentinae declared Best Boy and Girl of the year 2016-17

One of the most awaited and thrilling event during the Annual day is the announcement of the best girl and boy of the year. The selection criteria for the best girl and boy of the year are a c a d e m i c achievement, class attendance, discipline and participation in sports, social, cultural and extracurricular activities. Two students from each department are nominated for the award. The nominees from different departments for the best boy and girl of the year 2016-17 were Changsomba Chang and Bhawna Koranga of Biotechnology, Phurpa Thinley Ronia Linggi of Horticulture, Sunil Negi and Anurag of Microbiology, Kumar Ashu Karn and Jaynaila Bhutia of Agriculture, Marsashi and Smichie K.



Participants from deferent Department for Best Boy & Girl

Marak of Forestry, Thupten Tshering and Khundongbam Valentine of Botany, Aabid Hamid Bhatt and Swati Kotwal of Zoology, Suhail Shafi Lone and Neha Bisht of Biochemistry, Mayank Prakash Attri and Jayati Chauhan of Chemistry, Abdulla and Poonam Bisht of Pharma-chemistry, Rahul Kumar Tiwari and Heena Perveen of Pathology and Rupaj Mahopatra and Garima Joshi of Physiotherapy department. Khudagbum Velentinae and Thupten

Tshering of M. Sc. Botany scored maximum marks based on the defined criteria and were declared the best girl and boy of the year 2016-2017.

Good behaviour, positive attitude and leadership qualities of Thupten Tsering and Khundongbam Valentine were the additional qualities of both to be declare them as best girl and boy of the year. They were awarded with trophy, certificate and music system by Sony Electronics.

ADMISSION NOTICE : 2017-18

ADMISSION HELP LINE
09927800045, 09927800046, 09927800047

COURSES OFFERED

- ↳ BPT & MPT (Ortho/Neuro/Sports)
- ↳ B.Sc. & M.Sc. Biotechnology
- ↳ B.Sc. & M.Sc. Forestry
- ↳ B.Sc. Agriculture
- ↳ B.Sc. Horticulture
- ↳ B.Sc. Medical Microbiology
- ↳ B.Sc. & M.Sc. Medical Lab Tech.
- ↳ B. Com. & M. Com.
- ↳ M.Sc. Pharmacchemistry
- ↳ M.Sc. Chemistry
- ↳ M.Sc. Biochemistry
- ↳ M.Sc. Microbiology
- ↳ M.Sc. Botany
- ↳ M.Sc. Zoology
- ↳ M.Sc. Agronomy
- ↳ M.Sc. Physics

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From Chairman's Desk...



Students! Negative Thoughts are Enemy No. 1 to your Success

Human thoughts, feelings and activities are closely interwoven and distortion of one can directly affect the others. In general, our mind is capable of producing two major types of thoughts: positive and negative. These thoughts send off signals to the human emotions manipulating how it should feel. Good thoughts generate good feelings while negative feelings are a product of bad or negative thoughts.

The thoughts in the mind direct an individual's emotions which manifest in action. Enthusiasm and cheerfulness displayed on a person's face reflect a positive feeling due to a positive thought. Lack of enthusiasm in gestures and facial expressions reveal that the person is experiencing a negative feeling brought about by a thought which is not good.

Negative thinking can have much effect on an individual's life. Successes in endeavors and aspirations are outputs of a person's positive mindset while failures are caused by dominant pessimistic thoughts. And this shows that you have been overpowered by negativity. This is a detrimental situation.

Negative thinking is a mental attitude of anticipating the worst possible outcomes in situations, events, and circumstances. It is the ability of the mind to produce thoughts that are not deemed favorable to what the person wants. Whenever a challenge arises, a person with negative thinking pre-emptively a negative outcome before it has even occurred or being acted upon. Pessimism is synonymous to negative thinking. The pessimism is also a state of mind that compels an individual to view the life in a negative scenario.

Negative thoughts are described as intrusive, disturbing, annoying, and unwelcoming. These may be in the form of involuntary thoughts, bad images or morose ideas that can cause melancholy in a person and he become upset and distressed. In certain situations, negative thoughts becomes difficult to be remove from the mind sufferer and can be challenging to pull him out and bring him to a normalcy. A negative thinker sees more of the flaws, weaknesses, and negativities of things more than the good ones. He remains critical than appreciative in his judgment. Uncontrolled negative thoughts can easily lead to serious cases of poor emotional, mental, and even physical well being.

Negative thinking appears to be more prevalent than positive thinking. It seems that with most people, positive thinking requires some effort, whereas, negative thinking comes easily and often uninvited. This has much to do with education and the environment one has been living in.

If you believe that you are going to fail, you will unconsciously sabotage every opportunity to succeed. Your quality and confidence shall be shattered and success waiting for you shall convert into failure. If you are afraid of meeting new people or having close relationships, you will do everything to avoid people and relationships, and then complain that you are lonely and nobody loves you.

Some Tips to ward off Negative Thinking:

1. Every time you catch yourself thinking a negative thought, replace the thought with a positive one.
2. If you catch yourself visualizing failure, visualize success instead.
3. If you hear yourself using negative words in your conversation, switch to positive words.
4. Instead of saying, "I cannot", say, "I can". Most of the time you can, but you choose to say "I cannot", due to fear, laziness or lack of self confidence.
5. Do you repeat negative words or phrases in your mind? Change them to positive ones. This requires you to be more alert, and to expend some effort, but you want to change negative thinking into positive thinking, don't you?
6. Allow more positive attitude into your life. Have more faith in yourself and always expect positive results. Affirmations and visualization can take you a long way in direction of success.
7. Decide that from today, say from this very moment, that you are leaving negative thinking behind you, and starting on the way toward positive thinking and behavior.

(Arvind Gupta)
Chairman

विभिन्न श्रेणियों में दिये गये विशेष पुरस्कार

डॉल्फिन (पी०जी०) इन्स्टिट्यूट के 16वें वार्षिकोत्सव में अनेक श्रेणियों में विशेष पुरस्कार दिये गये। इसमें मास्टर क्रियेटर ऑफ रंगोली के लिए फिजियोथैरेपी विभाग के दीपक को नगद पुरस्कार एवं प्रशस्ति पत्र दिया गया। फिजियोथैरेपी विभाग के स्नातक के छात्र निशांत गर्ग को इन लाइन हॉकी में नेशनल टीम में खेलने व शानदार प्रदर्शन के लिए विशेष पुरस्कार स्वरूप नगद राशि व प्रशस्ति पत्र दिया गया। वहीं संस्थान के एलुमनाई दीपेन्द्र झा तथा रिजवान जफर (पैथोलॉजी), नरेश तथा मीनाक्षी राजपूत (फिजियोथैरेपी), अजय प्रताप राजपूत (फार्मास्यूटिकल कैमिस्ट्री), आदित्य भारद्वाज (बायोटेक्नोलॉजी) को अपने-अपने कैरियर में उत्कृष्ट पदों पर पहुंचने के लिए



मुख्य अतिथि द्वारा विभिन्न छात्रों को पुरस्कार वितरण

पुरस्कार और प्रशस्ति पत्र प्रदान किये गये। इस वर्ष संस्थान में स्टार फैकल्टी/एडमिन स्टाफ के पुरस्कार भी प्रदान किये गये। एनुअल डे के अवसर पर स्टार फैकल्टी में बायोकेमिस्ट्री विभागाध्यक्ष डॉ० ज्ञानेन्द्र अवस्थी तथा स्टार एडमिन स्टाफ में संयुक्त रूप से ट्रांसपोर्ट डिपार्टमेंट से श्री मुकेश असवाल एवम् माइक्रोबायोलॉजी विभाग से श्री संजीव नेगी को चुना गया। इसके लिए उन्हें नगद पुरस्कार व प्रशस्ति पत्र प्रदान किये गये।

सांस्कृतिक प्रस्तुतियों में छात्र-छात्राओं ने बांधा समा

डॉल्फिन एनुअल डे-उड़ान 2017 के अवसर पर प्रस्तुत सांस्कृतिक कार्यक्रमों में छात्र-छात्राओं ने समा बांध दिया। इसमें श्रजंतिका द्वारा प्रस्तुत स्वागत नृत्य नटराज वंदना से शुरुआत हुई। गौरव एवम् ग्रुप द्वारा प्रस्तुत गढ़वाली डांस तथा पूजा खंडू एवम् ग्रुप द्वारा प्रस्तुत हिमांचली डांस ने दर्शकों की वाहवाही लूटी। जहां रूपज द्वारा प्रस्तुत गणेश वंदना भरतनाट्यम पर खूब तालियां बजी वहीं मैथ्यू ग्रुप तथा लोचन आमा ग्रुप ने वैस्टर्न डांस, प्रज्ञा ग्रुप ने राजस्थानी डांस और गौरव ग्रुप ने पंजाबी डांस में शानदार प्रस्तुति दी। शुभेन, प्रीतम और सैय्यद् मुबासिर ने मनमोहक सोलो सांग प्रस्तुत किये। इस अवसर पर मुजामिल ग्रुप द्वारा कश्मीरी डांस, अशिमता ग्रुप द्वारा फज्जून डांस, लोबसंग ग्रुप द्वारा आसामी बीहू डांस,

मेधावी एवम् जरूरतमन्द छात्रों को मिली छात्रवृत्तियाँ



मुख्य अतिथि द्वारा छात्रवृत्ति वितरण

- वर्ष 2016 के 40 मेधावी छात्र-छात्राओं को दी गयी रु० 2 लाख से अधिक की छात्रवृत्ति।
- आर्थिक रूप से अक्षम मेधावी छात्र-छात्राओं को रु० 15,000/- की छात्रवृत्ति।

16वें वार्षिकोत्सव में वर्ष 2017 के लिये डॉल्फिन (पी०जी०) इन्स्टिट्यूट ने 41 छात्र-छात्राओं को रु० 2 लाख से अधिक की छात्रवृत्ति वितरित की। इनमें स्नातक स्तर के लिये 21 छात्र-छात्राओं में प्रत्येक को रु० 5000/- की छात्रवृत्ति प्रदान की गयी तथा स्नातकोत्तर स्तर के लिये भी 20 छात्र-छात्राओं में प्रत्येक को रु० 5000/- की छात्रवृत्ति प्रदान की गयी। इन छात्र-छात्राओं ने वर्ष 2016 में अपनी मुख्य परीक्षा में सर्वाधिक अंक हासिल किये। वहीं आर्थिक रूप से अक्षम किन्तु मेधावी छात्र-छात्राओं को भी रु० 5000/- की छात्रवृत्ति प्रदान की गयी।



छात्राओं द्वारा प्रस्तुत सांस्कृतिक नृत्य

आरजू ग्रुप द्वारा नेपाली डांस, हिदम सोनिया द्वारा मणिपुरी नृत्य तथा प्रज्ञा द्वारा शानदार सोलो डांस भी प्रस्तुत किये। बायोटेक्नोलॉजी तथा मिक्स डिपार्टमेंट द्वारा प्रस्तुत माइम

एक्ट को दर्शकों द्वारा सराहा गया। कार्यक्रम में विक्रांत ग्रुप द्वारा देश के अनेकों प्रांतों व पश्चिमी पहनावे पर आधारित फैशन शो भी आकर्षण का केन्द्र रहा।

फॉरेस्ट्री डिपार्टमेंट ने कब्जाई ओवरआल चैम्पियनशिप ट्रॉफी

- उत्कृष्ट प्रदर्शन करते हुये फॉरेस्ट्री विभाग बना ओवरआल चैम्पियन
- माइक्रोबायोलॉजी डिपार्टमेंट रहा फर्स्ट रनर अप।



ओवर ऑल चैम्पियन फॉरेस्ट्री डिपार्टमेंट ट्रॉफी के साथ

डॉल्फिन (पी०जी०) इन्स्टिट्यूट में 20 से 24 फरवरी, 2017 तक एनुअल वीक-सृजन का आयोजन किया गया। इसमें इन्टर डिपार्टमेंटल कल्चरल और स्पोर्ट्स एक्टिविटीस में उत्कृष्ट प्रदर्शन के आधार पर फॉरेस्ट्री डिपार्टमेंट ओवरआल चैम्पियन बना। इसमें पोस्टर प्रजेन्टेशन, रंगोली, मेहदी, फेस पेन्टिंग, वाद-विवाद (अंग्रेजी/हिंदी) सलाद मेंकिंग, कार्टून डिज़ाइनिंग, पेन्टिंग, फ्लावर पॉट अरेन्जमेन्ट, क्विज, अन्ताक्षरी, कोलाज, माइम एक्टिंग, स्किट एण्ड ड्रामा, ग्रुप सांग, सोलो सांग,

ड्यूट सांग, सोलो डांस (वैस्टर्न), ग्रुप डांस (वैस्टर्न/थीम बेस्ड/डिपार्टमेंटल च्वाइस), टू मिनट्स टू फेम, ग्रुप डिस्कशन, फोटोग्राफी, मैक ऑउट फ्रॉम वेस्ट प्रतियोगिताओं में प्रदर्शन के आधार पर वानिकी विभाग जहां अच्छा प्रदर्शन किया वहीं स्पोर्ट्स एक्टिविटीस में फॉरेस्ट्री विभाग ने सर्वाधिक अंक हासिल किये। कल्चरल एक्टिविटीस में माइक्रोबायोलॉजी डिपार्टमेंट बेहतरीन रहा पर ओवरआल परफार्मेंस में दूसरे स्थान पर चला गया।

चिरंजीव तथा जिमी नोनी बैस्ट प्लेयर ऑफ दि ईयर 2016

फॉरेस्ट्री ने जीती स्पोर्ट्स ट्रॉफी तथा माइक्रोबायोलॉजी डिपार्टमेंट फर्स्ट रनर अप



रनरअप ट्रॉफी के साथ माइक्रोबायोलॉजी के छात्र

डॉल्फिन एनुअल वीक-सृजन 2017 में स्पोर्ट्स एक्टिविटीस हमेशा की तरह रोमांच व आकर्षण का केन्द्र रहीं, इसमें ट्रैक इवेंट्स में 100 मी० दौड़ (महिला/पुरुष), 4×100 मी० रिले (महिला/पुरुष), 800 मी० दौड़ (महिला) तथा 1500 मी दौड़(पुरुष) में कड़े मुकाबले देखने को मिले। लांग जम्प, डिस्कस थ्रो, शाटपुट, टग ऑफ वार, बैडमिन्टन, टेबल टेनिस, शतरंज, क्रिकेट, बास्केटबाल, खो-खो, बालीबाल तथा फुटबाल जैसी प्रतियोगिताओं में फॉरेस्ट्री

डिपार्टमेंट ने अधिकांश प्रतियोगिताओं में उत्कृष्ट प्रदर्शन करते हुये स्पोर्ट्स ट्रॉफी अपने नाम कर ली। माइक्रोबायोलॉजी डिपार्टमेंट ने जहां फील्ड इवेंट्स में अच्छा प्रदर्शन किया वहीं ट्रैक इवेंट्स में इस लय को बनाकर नहीं रख पाया और दूसरे स्थान पर चला गया। इसमें सर्वाधिक रोमांचक प्रतियोगिता टग ऑफ वार (रस्साकस्सी) में पुरुष वर्ग में मिक्स डिपार्टमेंट ने फिजियोथैरेपी को पराजित किया तो महिला वर्ग में फिजियोथैरेपी विभाग ने एग्रीकल्चर को हराकर प्रतियोगिता जीती।

स्पोर्ट्स एक्टिविटीस के ट्रैक, फील्ड व अन्य इवेंट्स में से सर्वाधिक उत्कृष्ट प्रदर्शन के चलते पुरुष वर्ग में मिक्स डिपार्टमेंट के चिरंजीवी तथा महिला वर्ग में फॉरेस्ट्री डिपार्टमेंट की ही जिमी नोनी को बैस्ट प्लेयर ऑफ दि ईयर-2017 चुना गया। कार्यक्रम में स्पोर्ट्स ऑफिसर श्री एन०के० जोशी तथा विभिन्न विभागों के स्पोर्ट्स कैप्टेन शमदिन लैप्चा, तृप्ति बिष्ट, करन कर्मयाल, रोमा मलिक, अनुज वर्मा एवम् आंचल सकलानी को उनके विशेष प्रयासों के लिए पुरस्कृत किया गया।



विजेता फॉरेस्ट्री के छात्राएं ट्रॉफी के साथ

World Wetlands Day

- **Wetlands for Disaster Risk Reduction**
- **Healthy wetlands help us to cope with extreme weather events**

World Wetlands Day is celebrated every year on 2nd February. This day marks the date of the adoption of the Convention on Wetlands on 2 February 1971, in the Iranian city of Ramsar. It is celebrated around the world to help raise public awareness about the importance and value of wetlands.

World Wetlands Day 2017

“Wetlands for Disaster Risk Reduction”, is the theme for World Wetlands Day in 2017. Wetlands play an important role in reducing the impact of extreme weather events such as floods, droughts and cyclones. They act as a natural sponge, absorbing and storing excess rainfall and reducing flooding. During the dry season, they release the water stored, delaying the onset of droughts and reducing water shortages.

The frequency of natural hazards has more than doubled; the majorities are climate and weather related. According to UN- Water, 90% of all natural hazards are water-related. The Intergovernmental Panel on Climate Change (IPCC) predicts even more acclaimed extreme events going forward as a result of climate change.



A Ruddy Shell Duck at Asan CR

However, the general public is largely unaware of how wetlands safeguard us. In fact, people often see wetlands as wasteland; something to be filled in or converted to other uses. Scientists estimate that at least 64% of the world's wetlands have disappeared since 1900.

In accordance with the guidelines of the Ramsar convention, our Institute organized the event to celebrate the 'World Wetlands Day', since it is a wonderful occasion to bring people together to learn about the wetlands.

On February 1, 2017 a well illustrated talk on the topic “Wetland and Their Birds” was delivered to the students and faculty of the Institute by the Director Dr. Arun Kumar, who is a nationally recognized expert on wetland birds. Dr. Kumar emphasised on the functions and relevance of

wetlands in the ecosystem. He also highlighted the management issues in the wetland using the geo-spatial habitat data vis-à-vis the changes in water birds population in last two decades or so at Asan Conservation Reserve.

On February 2, 2017 a visit was organised for the students and faculty of the Institute to a Wetland of national Importance in our area, i.e., Asan Conservation Reserve for bird watching and for apprising them with the value of the services provided by the wetlands. The participants were also apprised with the socio-economic, threat and conservation aspects vis-a-vis this very important migratory waterfowl habitat. Each student was asked to write his observations on the conservation issues at the Asan CR.

Dolphinites Commemorate National Science Day

Guest lectures, quiz competition, scientific article writing competitions were some the events organized



Student participating in quiz competition

Several programs were held in the College on the occasion of National Science Day on 28th February 2017. The programme was organized with the objective of creating interest of students in Science and also to inculcate scientific temperament in them. The students participated enthusiastically in various events conducted during the day. The program was inaugurated by the Principal Dr. Shailja Pant. A Special lecture was delivered by Dr. Arun Kumar, Director. Through his lecture, Dr. Kumar explained the importance of Science in our day to day life. The Lecture was aimed to popularize Science among students. In the quiz

competition organized by the Department of Biotechnology for the UG students, Shreya & Shivani stood first, Shivani and Sunaina stood second, while Anurag and Amit were placed third. In the PG category, Abhay Verdhann Pandey and Gaurav Bhatt stood first, Krishna Kumar and Hasan Raza Khan were placed second while Vikas Rauthan and Shikha Kumari got third position. In the quiz competition organized by the Physiotherapy Department, Garima stood first, Mukund was placed second while Rupesh secured the third position. Other departments also organized quiz competition and scientific article writing.

Celebrating International Woman's Day



Faculty and Students with Dr. Suchismita Sen Gupta Pandey

International Women's Day (IWD) was celebrated on March 8, 2017 to commemorate the movement for women's rights and empowerment. This year's theme is 'Be Bold For Change'.

A guest lecture on “Contribution of Indian Woman Scientists in development of pre-independent Indian society” was organised in the College jointly by the department of Agriculture and Entrepreneurship Cell. Around 150 students and faculty from the departments of Biotechnology, Horticulture, Agriculture & Forestry attended the programme.

The Chief Guest of the day Dr. Suchismita Sen Gupta Pandey, Secretary Uttarakhand Food Security Commission delivered the theme lecture. She highlighted the contributions of women from Assam, Andhra Pradesh, Telangana, Jharkhand, Bihar & Uttarakhand, etc. in Agriculture, Industry, Service Sector and house hold works. She recalled the the life of Dr. Anandi Gopal Joshi, the first Asian woman Doctor, who struggled a lot to start the first Indian Mother Child Hospital in Thane, Maharashtra.

She spoke in details about Professor Edavaleth Kakkat Janaki Ammal who was arguably the first woman to obtain

a Ph.D. in Botany in the U.S. in 1925 and remains one of the few Asian women to be conferred a D.Sc.



Dr. Suchismita Sen Gupta Pandey is delivering Lecture

(honoris causa) by her alma mater, the University of Michigan in 1931. She was also one of the first women scientists to receive the Padma Shri way back in 1977. On the invitation of Jawaharlal Nehru, she returned to India in 1951 to reorganise the Botanical Survey of India (BSI), and served as its Director General. In 2000, the Ministry of Environment and Forests of the Government of India instituted the National Award of Taxonomy in her name in 2000.

She also threw light on the struggles and exemplary contributions of Indian women scientists namely Kamala Sohani, Asheema Chatterjee, Rajeshwari Chatterjee, Anna Mani, Mahrani Chakravarti, Darshan Rangnathan, etc.

World Forestry Day-2017

The Department of Forestry celebrated World Forestry day on 21st March 2017 by undertaking a cleanliness drive in the campus, which was followed by a lecture by Dr. Sas. Biswas, HOD, Forestry Department on the significant contribution made by Sir Dietrich Brandis, KCIE, FRS (31 March 1824 – 28 May 1907, Bonn). He emphasised that the credit to the present day forest management in India in particular and to the tropical world in general goes to Sir Dietrich Brandis. He is famously known as 'Father of Indian Forestry'. He held doctorate in Chemistry. He developed keen interest in forest botany while working in field forestry. Dr Brandis' initial career in tropical forestry began in 1856 while working as Superintendent of Pegu Forests in Myanmar. Dr Brandis is known for introducing teak purchase rules, clearing rules and establishment of managed teak areas called conservancies, to be managed by Conservators.

He was appointed as the first Inspector General of Forests (IGF), Government of British India on 1st April, 1864 and remained for 20 years. It was Dr



Cleanliness drive in Dolphin Campus

Brandis who formulated the Forest Act-1865, which was later amended in 1878 and 1927. In 1878 he established Imperial Forest School in Dehradun, later known as Rangers' College and presently Extension Centre of Forest Research Institute (FRI), Dehradun. Dr Sas. Biswas designed and laid out Sir Brandis Walking Trail through the monumental trees growing in the Extension Centre during centenary year of FRI in 2007. Dr. Brandis books on Forest Flora of North-West and Central India (1874) and Indian Trees (1906) are widely acclaimed. Several forest tree species of Indo-Mayanmar are named after Sir

Brandis, e.g., *Ardisia brandisiana*, *Lodes brandisii*, *Lxora brandisiana*, *Loranthus brandisianus*, *Dendrocalamus brandisii*, *Diospyros brandisiana*, *Ochlandra brandisii*, *Macaranga brandisii*, *Millettia brandisiana*, *Orophea brandisii* and *Quercus brandisiana*. A large collection of forest plants by Dr Brandis from India and Myanmar is housed in the Herbarium of FRI. He breathed his last on 29th May 1907 after having immensely contributed for the cause of the conservation and scientific management of forests.

- **Compiled by** Dr Sas Biswas, HoD, Forestry, DIBNS

Dolphinites Celebrated 68th Republic Day

The 68th Republic Day of India was celebrated with full enthusiasm by the faculty, staff and students on 26th January 2017 under the National flag. The flag hoisting was done by Dr. Shailja Pant, Principal and the Director, Dr. Arun Kumar. In his ceremonial address Dr. Kumar reminded the students of the sacrifices by the freedom fighters and paid tributes to the great leaders. He emphasized on the students to study the history of Indian freedom movement and autobiography of

freedom fighters as well as the Constitution of India. He also narrated the history of the National Anthem.

To commemorate the occasion a number of cultural items were presented by the students of the Institute which included patriotic solo and group songs, speeches and dance performances. Sweets were distributed among the students and



Dr. Arun Kumar, Director addressing the gathering on Republic Day

staff and high tea was also a part of the Republic Day celebrations.

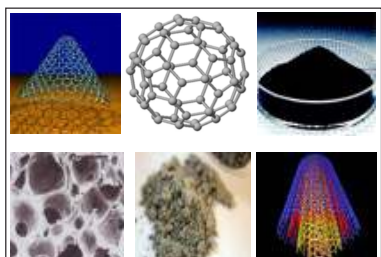
Guest Lectures

Chemistry & Pharmaceutical Chemistry

Department of Chemistry and Pharmaceutical Chemistry organized a Guest Lecture on 31st January 2017 on "Nanotechnology". It was delivered by eminent scientist Dr. M. G. H. Zaidi, Professor & Head, Department of Chemistry, G. B. Pant University of Agriculture & Technology, Pant Nagar, Uttarakhand.

Dr. Zaidi explained about nanomaterials such as nanocrystalline materials, QDs, C20-, CNTs Nanoparticles, Nanocomposites, etc. He also discussed about nanocarbons like fullerene, nanotubes, nanocones, carbon black, nanohorns, nanorods, nanofoams and nanodiamonds etc. He described the role of polymer nanocomposites in food processing, storage and interactive personalized foods such as edible nanowrappers, chemical release packaging, extensive nano surveillance, interactive agrochemicals, and nano manipulation of seeds in food and agriculture areas.

The guest speaker highlighted the use of biomaterials and nano devices for different medical purposes like exomuscular devices for medical applications,



Pictures of Biomaterials & Nano Devices

nanoscopic approaches to medical treatments, comparison of a microhybrid and nanocomposite dental fillings. He emphasized on the role of nanomaterials for purification of water for drinking and agriculture purposes such as nanomembranes for water purification, desalination and detoxification, nanosensors for detection of contaminants and pathogens, nanoporous zeolites for water purification, magnetic nanoparticles for treatment of water and purification, and TiO₂ nanoparticles for catalytic degradation of pollutants.

He also explained with smart nanomaterials for military uniforms like carbon nanotube fiber fabrics used for protection against radiation, fire, chemical, biological and projectile hazards.

The lecture was attended by students and faculties of Department of Chemistry, Pharmachemistry, Biochemistry, Biotechnology, Forestry, Microbiology, Botany and Zoology.

Training & Placement Cell

Training & Placement Cell organized guest lectures by invited experts from different pharmaceutical industries to deliver lectures to the students in the fields of their specialization. These lectures were



Dr MGH Zaidi, delivering lecture on "Nano-Technology"

of great interest to the students.

Dr Umang Gupta, Sr Manager Global Quality from Mylan Inc. Ltd, delivered a talk on "Applications of Microbiology and Pharmacy in Pharma Industries". The participants were from B.Sc. MM-Final Yr, M.Sc. Microbiology – II & IV Sem & M.Sc. Pharma Chemistry – IV Sem.

Dr. Sumant Baukhandi, Managing Director, from GMP Pharma Institute, Dehradun, delivered a lecture on "Production and Risks in Viral Vaccine" to the students of B.Sc. MM-Final Yr, M.Sc. Microbiology – II & IV Sem & M.Sc. Pharma Chemistry – IV Sem.



Dr. Suman Bahukhandi delivering the Lecture

Dr Anurudha Bose, Product manager of Wipro GE Health Care, Gurgaon, Haryana delivered a lecture on "Bio-molecules Purification". The participants were students from M. Sc. Biotechnology- II Sem, M. Sc. Biotechnology - IV Sem, M. Sc. Microbiology- II Sem, M. Sc. Microbiology- IV Sem, M. Sc. Pharmaceutical Chemistry- II Sem, M. Sc. Pharmaceutical Chemistry- IV Sem, M. Sc. Chemistry- II Sem, and M. Sc. Chemistry- IV Sem.

Agriculture

On February 8, 2017 department organized a guest lecture by Dr. P. C. Pandey, Prof. Deptt. of Agronomy, G.B.P.U.A.&T. Pantnagar on "Input Use Efficiency in Rice".



Dr. P. C. Pandey being facilitated by Department of Agriculture

On March 8, 2017 organized a guest lecture on the Occasion of "International Women's Day" by Dr. S. Sen Gupta Pandey, Food Commissioner, Dehradun on "Contribution of Indian Women Scientists".

Physiotherapy

A guest lecture was organized on 28th Jan 2017 by Dr. Vaibhav Agarwal, Associate Professor, Department of Physiotherapy, Swami Rama Himalayan University



Dr. Deepti Warikoo presenting memento to Dr. Aggarwal

on "Spinal Cord Injury Rehabilitation". Students from BPT 4th year and MPT attended the lecture. Dr Agarwal emphasised on how brainstem motor pathways can be targeted for recovery, following stroke or spinal cord injury. He focussed on causes, classification and clinical impairments in spinal cord injury. A total of 50 students attended the lecture.



Dr. Vaibhav Agarwal with Students

Another guest lecture was organized on 31th March 2017 on "Ergonomics in Physiotherapy" by Dr. Niti Chauhan from Uttaranchal College, Dehradun. Dr. Niti explained about the study of designing equipment, devices and processes that fit the human body and its cognitive abilities. Ergonomics comprise three main fields of research: Physical, cognitive and organisational ergonomics. Dr. Niti explained the role of a physiotherapist in physical ergonomics. In total 48 students attended the lecture.



Dr. Niti Chauhan, delivering her Lecture

Papers published/ submitted

Dr. Suman Rawat of Chemistry Department published an abstract entitled "Comparative study on antimicrobial activities of *Cordia dichotoma* and *Sapium sebiferum*" in National Conference on Recent Advances in Science and Technology on Feb 27-28, 2017 at Uttaranchal University, Dehradun.

Dr. Suman Rawat presented a paper (Poster) entitled "Comparative study on antimicrobial activities of *Sapium sebiferum* and *Artocarpus heterophyllus*" in National Conference on recent trends in Green Chemistry and Sustainability at Graphic Era University, Dehradun on 22-23 March 2017. eight students of M.Sc. Chemistry participated in the conference.

Ankita Sati Published an abstract entitled "Antimicrobial activity of *Berberis aristata* (leaves) collected from Chamoli Garhwal, India in National conference at Uttaranchal University, Dehradun.

Dr. Raju Chandra published an abstract entitled "Development and Method Validation for Assay of Metoprolol Tartarate Dug Content from Marketed Tablets Reversed Phase HPLC Method" in The National conference at Uttaranchal University, Dehradun.

Shree Uday Kumar Published an abstract entitled "Assessment of nutritional value in Maize grains stored under different containers" in National Conference on recent trends in Green Chemistry and sustainability on 22-23 march, 2017 at Graphic Era University,

Dolphin Institute won Football ournament at D. I. T. Annual Games 2017



Chairman Sh. Arvind Gupta with Winner Dolphin Football Team

Students from our College participated in the annual games 2017 namely "SFURTI" organised by Doon Institute of Technology (DIT) in its campus at Rajpur Road, Dehradun. Cricket, Football, Table Tennis, Basketball, Badminton and Volley-Ball were some of the games which were played between the teams from 25 Universities and Institutions. Dolphin Institute also participated in the tournament "SFURTI-2017".

The football team of our Institute won

the tournament among the 12 teams, whereas Table Tennis team of Dolphin Institute was declared runner up in the tournament. Chairman of the Institute, Shree Arvind Gupta awarded the teams with cash prize of Rs. 11000/- to the Football team and Rs. 2100/- to the Table Tennis team. He also appreciated the efforts put in by Dean DSWC, Shree Vipul Garg and Sports Officer, Shree N. K. Joshi for their efforts due to which the Dolphin teams became winners.

Dolphin Volleyball Championship- 2017

- **UIT, Dehradun Won in Boys, while DAV College, Dehra Dun won in Girls Category**
- **The championship was held under the supervision of Dehra Dun Volleyball Association**



Shri Arvind Gupta presenting the Trophy to Wining Team

Inter Collegiate Volleyball Championship (Girls and Boys) was organized by the College from 30th March to 1st April 2017. In the Boys category 20 teams participated while in Girls' there were 6 teams. The teams were from DIT Dehra Dun, DAV College Dehra Dun, Jaspal Rana Institute, Dehra Dun, UIT Dehra Dun, SB College Vikasnagar, Quantum Global Institute Roorkee, Tula's Institute Dehra Dun, Doon University Dehra Dun, Himgiri Zee University, Dolphin Institute Dehra Dun, DBS College Dehra Dun, Graphic Era University Dehra Dun, Uttaranchal College Dehra Dun, ITM College, Dehra Dun, Uttaranchal Ayurvedic College Dehra Dun, Omkaranand Institute, Rishikesh, UPES Dehra Dun, WIT and GB Pant University, Pantnagar.

After the knock outs, tough competition was seen among the teams in the semi finals and final competitions. In the first semi final competition (boys), DAV College defeated Graphic Era University by 2-1, while in the second semi final competition; UIT Dehra Dun defeated Jaspal Rana Institute by 2-0. In the finals, both UIT and DAV (PG) College gave their best. The Trophy was lifted by UIT by defeating DAV (PG) College, Dehra Dun.

The initial matches of Girls category were played among 6 teams between pool A and B. DAV College Dehradun and Graphic Era University defeated other teams and played for final competition. In the finals, The Trophy was lifted by DAV (PG) College defeating UIT by 2-0.

APPOINTMENTS

DEPARTMENT OF AGRICULTURE

1. Dr. Ashok Kumar Yadav, Associate Professor, M.Sc. (Ag.), Ph.D., NET Horticulture, NET Economic Botany



DEPARTMENT OF MICROBIOLOGY

2. Dr. Shrivardhan Dheeman, Assistant Professor, M.Sc. Microbiology, Ph.D.



DEPARTMENT OF HORTICULTURE

3. Ms. Beena Pathak, Assistant Professor, M.Sc. Food Technology
4. Mr. Arjun Singh, Assistant Professor, M.Sc. (Ag.)



DEPARTMENT OF PHYSICS

5. Dr. Abhilasha, Assistant Professor, M.Sc. Physics, Ph.D.



DEPARTMENT OF PHARMACEUTICAL CHEMISTRY & CHEMISTRY

6. Dr. Uday Kumar, Assistant Professor, M.Sc. Pharmaceutical Chemistry, M.Sc. Chemistry, Ph.D. & NET

CME/Workshop/Confreneces

International Conference on “Forestry and Tourism: The Future Mantra for Sustainability”

Department of Forestry, Dolphin (PG) Institute of Biomedical & Natural Sciences and Department of Tourism, Garden City University, Bangalore jointly organized an International Conference on “Forestry and Tourism: The Future Mantra for Sustainability” on 21-22 March 2017 at Bangalore. In quest for a joint activity for the students of the two institutions, a Students' Conclave was organized on 22nd March for interaction, integration and inter-related and interdependent development of forestry and tourism through cross-cutting issues in north and south India. Dr. Joseph V.G., Honorary Consul, Republic of Maldives in Bangalore and Chancellor, Garden City University, inaugurated the Conference and celebrated World Forestry Day falling on same day, i.e., 21st March 2017. Shri Arvind Gupta, Chairman, Dolphin (PG) Institute of Biomedical and Natural Sciences conveyed his best wishes and greetings to the Chancellor for the success of the joint conference. The day was commemorated by planting of Sita Ashok [Saraca asoka] and Buddha Belly Bamboo [Bambusa wamin] saplings. Dr Sandhya Goswami presented a memento, a replica of Kedarnath



Deligates of International conference



Dr. Sandhya presenting memento to Dr. Joseph V.G.



Dr. Josheph honoring Dr. Sas Biswas

temple, to the Chancellor on behalf of Shri Arvind Gupta. Dr. Sas. Biswas was honoured by the Chancellor of the University for his endeavor in developing joint venture on different aspects of forestry integrated sustainable eco-tourism. Participants from nine countries presented 55 papers. A team of 18 students and faculty from the department of Forestry, DIBNS led by Prof. Sas. Biswas together with Dr. Sandhya Goswami and Dr. Anil

Uniyal presented papers on different aspects of forestry integrated tourism and participated in different sessions of the conference.

A field trip of delegates was conducted to visit the famous Wood Museum, Institute of Wood Sciences & Technology under ICFRE, and Lal Bagh of Haider Ali and Tipu Sultan times and landscape with spectacular elements of aesthetic values.

Papers Presented in the Conference

Forestry and Tourism in Global Perspective for Sustainable Environment (Sas. Biswas, Sandhya Goswami, Anil Uniyal and Tahir Nazir)
Faith (Religious) Tourism and its Impacts on Natural Heritage in Uttarakhand (Sandhya Goswami and Sas. Biswas)
Spectacular Birds of Tripura State, of Tourists' Delight the tourists (Payel Debbarma)
Ecotourism in Sundarbans, West Bengal, India (Rahi Sarkar)
Impacts of Ecotourism (Soham Banerjee)
Indian Birding Areas for Recreational Activity of Tourism Importance with Reference to Uttarakhand, India (Ravi Kiran)
Buxa Tiger Reserve (BTR), West Bengal, India: A Potential Tiger Countryside of

Tourists' Delight (Ritwika Mukhopadhyaya)
Monkey Menace in Himachal Pradesh – Potential Threat to Urban Tourism (Shailja Thakur)
Big Cat (Tiger) Tourism (Vikas Khichar and Sas. Biswas)
Nanda Devi Biosphere Reserve (NDBR) and Tourism in Uttarakhand (Meenakshi Bacheti)
Tea Tourism in Assam, India (Naziba Bakshi and Sas. Biswas)
Tourist Destination: Gulbarga, Karnataka (Praveen Kumar)
Sobha Singh Art Gallery, Andretta (Palampur) Himachal Pradesh: Tourists' Delight (Shagufta Butt, Dixit Verma and Sas. Biswas)
Eco-tourism in Rajasthan (Nidhi Singh)



Students with faculty of Forestry at Quest 2017

Developing Tourists' Taste for Garhwali and Kumauni Cuisines of Uttarakhand, India (Shweta Nautiyal, Sas. Biswas and Sandhya Goswami)
Bamboo Diversity for Tourists' Attraction (Deeya Bhattacharjee and Sas. Biswas)
Kaikondrahalli Lake, Bengaluru, Karnataka under Biotic Threat : Need for Forestry Integrated Management (FIM) (Sas. Biswas, Ajit Ampalakadd and Rishov Biswas).

Workshop cum Hands-On-Training on Molecular Docking, Virtual Screening and Computational Biology

A Workshop cum Hands-On-Training on “Molecular Docking, Virtual Screening and Computational Biology” was organized by Department of Biotechnology from 10th to 12th January, 2017 in collaboration with Uttarakhand Council for Biotechnology, which also partly funded it, and Schrodinger INC. The workshop has primarily been organized to impart knowledge and training on Molecular Docking, and Virtual Screening.

Dr. M. K. Nautiyal, Director, Uttarakhand Council for Biotechnology was the chief guest. The occasion was graced by Shri Arvind Gupta, Chairman and Dr. Shailja Pant, Principal. Dr. Nautiyal addressed the students and enlightened them about this promising

branch of biology and different career options in the emerging field.

Resource persons from Schrodinger INC imparted hands-on-training on protein-protein interaction and computer assisted drug designing to the participants. Shri Anuj Kumar, Course Coordinator from UCB & Dr. Pritesh Bhat and Mr. Vinod D. From Schrodinger INC imparted knowledge in effective manner.

The valedictory was presided by Shri Arvind Gupta, Chairman, Dolphin PG



Dr. M.K. Nautiyal lighting the inaugural light

Institute. He encouraged the participants to come forward with new research ideas for application of these tools in treatment of incurable diseases. The participants also shared their views. They were very happy after attending such an informative training. All together 20 participants attended the training.

A workshop on Dry Needling



A scene of participants of workshop on Dry Needling

The Department of Physiotherapy organised a workshop on 'Dry Needling' on 25th and 26th January 2017. 57 delegates from Dolphin Institute and other physiotherapy institutes of Dehradun participated in the workshop.

Dry needling is an invasive procedure in which a filiform needle is inserted into the skin and muscle directly at a myofascial trigger point, which comprises multiple contraction knots. It is related to the production and maintenance of the pain cycle.

The technique was demonstrated by Dr. Piyush Jain, MPT (Ortho), Ph.D. (Cont), who is a Musculoskeletal Physiotherapist. He is author of the book entitled 'Manual of

Kinesiological Taping & Dry Needling', first by any South East Asian Physiotherapist. He has already conducted about 50 workshops around the country and abroad on the subject.

Dr. Jain explained the history and present status of the technique to the students. He demonstrated the treatment of trigger points for persons with myofascial pain syndrome. Dry Needling is an invasive procedure in which a filiform needle is inserted in the skin and muscle directly at a myofascial trigger point. Every student had great hands on session and practiced dry needling techniques in the presence of Dr. Jain. The faculty of the department was present throughout the workshop.

Seminar on “Forestry and Allied Sciences Specific Popular Topics [FAST- 2017]”

Department of Forestry organized two days' seminar on “Forestry and Allied Sciences Specific Popular Topics [FAST- 2017]” on 17th & 18th February, 2017. Prof. Sas Biswas highlighted the of the theme

seminar which was to deal with recent advances on subjects of wildlife management, geospatial technology, forest working plan, protection from forest fire, inventorization of medicinal flora, modern nursery techniques, team building & motivation, wood preservation and forest statistics etc. Dr. Dr. Dhananjai Mohan IFS, Additional PCCF, Govt. of Uttarakhand delivered the key note address, which was followed by a lecture by Prof. KK Das on Geospatial technology for nature conservation. Shri SK Singh of JICA made a pictorial presentation of medicinal & other useful plants of Uttarakhand. Shri AR Sinha IFS [Rtd.] explained to the participants



Faculty & students with Dr. Dhananjay Mohan

the writing of forest working plan and forest fire protection. Shri Baljeet Sharma had a lively interaction on the importance of motivation & team building. Guest speakers admired Dolphin Institute and Department of Forestry in particular for taking initiative in organizing such series of lectures. Shri Arvind Gupta, Chairman Dolphin Institute expressed his heartiest thanks to the learned speakers.



Dr. Dhananjay delivering lecture

Workshop Attended

Forestry

Dr Sas Biswas, Dr Mandeep Kaur & Dr Rashmi T Chamoli attended 11th Uttarakhand State Science & Technology Congress 2016-17 at UCOST, Vigyan Dham, Dehradun from 2 to 4 March 2017.

Chemistry

Dr. Suman Rawat, Dr. Arti Tomar and Mrs Ankita Sati along with 7 students of M. Sc. Chemistry participated in one day workshop on

“Materials characterization by sophisticated instruments” at University of Petroleum and Energy Studies, Dehradun on 17th Feb 2017.



Faculty & Students at workshop at Petroleum University

Workshop cum H-O-T on 'Research Methodology' held at Dolphin Institute

A two days Workshop cum Hands-on-Training on Research Methodology was organised on 9th & 10th of February 2017 by the Dept. of Statistics in collaboration with Max Institute of Health Education, New Delhi. 180 participants from Uttarakhand State Nursing College attended the workshop.

Shree Arvind Gupta, Chairman - Dolphin Institute, in his inaugural speech asserted that research in any field cannot proceed without research methodology which works as a roadmap. He also said that health professionals keep facing challenges in their profession, and to find solution to these, research methodology plays an important role. He assured the participants that in future too Dolphin Institute and Uttarakhand State Nursing College will work hand in hand and keep conducting such programmes which shall be mutually beneficial to both.

In his address, Dr. Arun Kumar welcomed the participants and elaborated on various aspects of Research Methodology. He highlighted the objectives and importance of the training to the participants. SPSS software is very useful tool in analysis of data related to



Students from State Nursing College Attending workshop on Research Methodology

finance, science and social sciences. Hence its use is recommended to the professionals for extracting valuable information from the data they collect. Dr. Rashmi Yadav, Principal, Uttarakhand State Nursing College appreciated the efforts of the Dolphin (PG) Institute in organizing this type of training programme. She also hoped that through this exercise the participants will thoroughly understand the concept of research methodology and will be able to use it in their profession.

Dr. Sanjay Agarwal, Organizing Secretary & Head, Dept. of Statistics spoke in detail about the techniques of statistical analysis being used presently

in research methodology. He hoped that after completion of the training programme, the participants will acquire skill in research related work, especially the data analysis.

Ms. Sucheta Panchal, Asstt. Professor, Deptt. of Mental Health and Nursing from Max Institute of Health Education provided training on version 24 of SPSS. She trained participants on SPSS introduction, data collection, table preparation, formula application, graph chart preparation and data analysis. The participants also prepared project reports on the basis of exercises and solutions. They were presented certificates during valedictory.

Educational Tours

Horticulture



Horticulture Students at VCSGUUHF College, Ranichauri

An educational tour was organized by horticulture department to, VCSGUUHF College of Forestry Ranichauri (Tehri Garhwal, UK to educate them in different streams of horticulture. The students visited various departments like Horticulture, Vegetable science, Genetics and Plant Breeding, Microbiology, Post Harvest Technology, Forestry, Entomology, Plant Pathology (Plant Clinics), Mushroom unit, Soil Science, Climate Monitoring Station (Indian Metrological Department), etc.

Students were also exposed to the production practices like mulching, flowering behavior and flowers of different fruit trees, training and pruning followed in food plants, statistical design followed in field for experimental trails by pg students' etc. This trip was successfully conducted under the guidance of Prof.C.M.Sharma, Dean, Dr. R.S.Bali (Assist. Professor -Vegetable Science and Mr. Satyanaryan Singh (Senior Filed Assistant) and in-house faculty members Dr. Ritu Pandey (HOD), Mr. Sanjay Singh Negi (Assist. Professor) and Mr. Sachin Devlal (Assist. Professor).

On 18-03-2017 an Academic field visit to VCSGUUHF, Floriculture Research and Extension Centre

Selaqui, Dehradun was undertaken by the students and faculty of Horticulture department regarding three aspects, namely to learn the practices involved in Identification, Production Technology and Seed Production of different vegetables and flowers, to know about different type of protective cultivation techniques, especially, different types of Gerbera and Rose cultivation in glass house and lastly to attend the lecture delivered by Prof. G.C. Saini on Breeding and Research aspects of Horticultural crops.

Medical Lab Technology



MLT Students at Motherhood Hospital, Roorkee

The students of B.Sc. Medical Lab Technology 2nd and 3rd year visited Motherhood University, Roorkee to attend the 'Continue Medical Educational Program " on "Basic Techniques and Metabolic disorders' on 30th March 2017.

Students also visited different labs and interacted with Dr. J. B. Gogoi,



Students of Forestry at Doonga Village

MBBS (MD), Govt. Medical College, Srinagar, UK on the topic "Incidence of liver disease and liver transplantation" and with Dr. Sanjay Bhatt, Professor, Shri Ram Murti Medical College on the incidence of Diabetes and its control.

Mr Aditya Swarup and Mr. Ankit Johri faculty from the MLT Department accompanied the students.

Forestry

January 2017: M Sc Forestry II Semester, for ecological studies at Mussoorie Forests.

25 January 2017: B Sc II semester, Visited Dunga village To prepare village agricultural production plan under the paper Fundamentals of Extension education.

28 January 2017: B Sc II semester, Visited Martha village to identify village leaders & amp; to study their role in extension work under the paper Fundamentals of Extension education.

31 January 2017: B Sc II Sem, Visit to ICAR- Indian Institute of Soil & amp; Water Conservation Dehradun to study hydrological instrumentation.

2 March 2017: B Sc II sem, Visit to Agrometeorology station Selaqui of ICAR-IISWC Dehradun to study agrometeorological equipments.

Honorary Consultancy

Dr Sas. Biswas, Head, Department of Forestry, DIBNS has become Member of Expert Advisory Committee for Rare and Threatened Species of Uttarakhand by State Biodiversity Board Uttarakhand.

Academic Achievements (TOPPERS)

B.Sc. Forestry- 4th Sem.



Ritwika Mukhopadhyay
84.33%

M.Sc. Agronomy- 1st year



Lenin Laishram
72.33%

B.P.T.- 4th year



Yamuni Bhandari
72.67%

B.Sc. MLT- 3rd year



Rabindra Prajapati
83.11%

B.Sc. MLT- 2nd year



Heena Perween
82.33%

M.P.T.- 1st year (Ortho)



Rupaj Mohapatra
64.25%

M.P.T.- 1st year (Neuro)



Ujala Yadav
61.50%

M.P.T.- 1st year (Sports)



Diksha Ghai
57.00%

B.Sc. MM- 1st year



Vidushi Rao
83.00%

B.Sc. MM- 2nd year



Vaishali Thapa
85.88%

Dr. Vivek Chauhan delivered lecture in Uttarakhand Police Sports Science Workshop



Dr. Vivek Chauhan delivering lecture to Uttarakhand Police Personnel

Sports Science workshop was organised at Dehradun on 3rd & 4th April 2017 by Uttarakhand Police. Sports persons and Coaches of Uttarakhand Police were educated on sports science, Physiotherapy, medicine, sports injury, doping and nutrition, etc. The workshop was inaugurated by ADG of Uttarakhand Police Shri Ashok Kumar (Secretary- Uttarakhand Police Control Board). DG Uttarkhand Police, Shri Anil Kumar Raturi (Director- Vigilance) was the chief Guest for the valedictory of the workshop. Dr. Vivek Chauhan,

Associate Professor, Physiotherapy Department, Dolphin Institute delivered a lecture on 'Isokinetic Device and its use in preparation of sportsman'. The talk was quite informative and was appreciated by the officials of Uttarakhand Police for sharing recent advances in sports physiotherapy. The workshop was also graced by other senior Officials of Uttarakhand Police, namely IGP Sanjay Gunjyal, SSP Sweety Agarwal, AIG (PM) Nivedita Kukreti, Keval Khurana, Tripti Bhatt, coaches and players.

Students Participation in Conference

CONFERENCE ON - MAKE IN INDIA & FDI IN RETAIL: National & International Avenues in Food Processing Sector was organized by Training & Placement Cell Institute at Madhuban Hotel, Dehradun under the aegis of PHD Chamber (Progress Harmony Development) Dehradun for the students BSc. Horticulture 2nd Semester & MSc. Microbiology 2nd Semester.

Students Achievements

Following students of M.Sc. Botany (Batch 2013-2015) got through CSIR NET-JRF in year 2016.

1. Mr. Sumit Singh 61 Rank
2. Mr. Opendra Surmal 63 Rank
3. Mr. Iliyas Ahmad

**Career
Manthan**

TRAINING & PLACEMENT CELL ACTIVITIES

An interaction between the alumni and students of the Dolphin Institute

The Training & Placement Cell of the Institute organized a one day Programme "Career Manthan" for the final year PG students from various Departments to acquaint them with the working environment in the industry. Well placed Dolphin Alumni in Pharma, Food Beverage, Health Care, FMCG sector participated in the program. Dr. Arun Kumar, Director welcomed all the alumni.

In his inaugural address Shri Arvind Gupta, Chairman called upon the alumni and the present students to bridge the communication gap between the Industry and the Academia. He emphasized that Dolphin Institute has always taken initiative to fill the above void.

Dr. Ashok Kumar, Chief Manager, Training & Placement pointed out the shortage of skilled and stable manpower in the industry. He also said that though students' aim high but are not readily available to work at ground level. He told the students that in the initial years they should give priority on gaining experience rather on the salary package.

Our alumni, namely Shri Manu Sharma from Pulse Pharma, Roorkee, Shri Viraj Singh and Shri Ferhan Ali from IGL, Shri Vivek Sati from Jubilant Pharmaceuticals, Roorkee, Ms. Neelam from Preetam International Ltd., Roorkee, Shri Murlidhar Maharo from Marico India Ltd., Shri Ravikand Sharma from Sun Pharmaceuticals, Paonta Sahib (HP), Shri Zafar Ali from Nectar Life Sciences, Punjab and Shri Akhilesh from Troika Pharmaceuticals Ltd., Ahmedabad (Gujarat) shared their experiences and gave tips to the students on priorities in career, experiences of face to face interviews, various changes related to the first job and changes in life



A scene of interaction of students with the alumni

style, politics in work place, initial stages in work place, sentimental & professional memories, day to day success and failures, source of strength, objectives for progress, etc. It was felt by every one that such conclaves should be held in future as well.

Dolphin Placement Drive- 2017



A Science of interview for placement

On Campus Selections

M. Sc. BioTech Final Year Students

1. Vikas Rauthan- Nectar Life Sciences Ltd. Punjab
2. Rakesh Singh Negi- Nectar Life Sciences Ltd. Punjab

M. Sc. Micro- Final Year Students:

1. Sunil Negi- Nectar Life Sciences Ltd. Punjab
2. Md. Dilshad- Nectar Life Sciences Ltd. Punjab
3. Bharat Singh Negi- Nectar Life Sciences Ltd. Punjab

M.Sc. Chemistry Final Year Students

1. Mayank P. Attri- Nectar Life Sciences Ltd. Punjab

Off Campus Selections

M. Sc Pharmaceutical Chemistry Final Year Students

1. **Abdullah:** Quality Control Executive, Macleods Pharmaceutical Ltd.
2. **Abhishek Kumar:** Quality Control Executive, Macleods Pharmaceutical Ltd.
3. **Neha Chauhan:** Quality Control Executive, Sharon Pharmaceutical Ltd.
4. **Ankur Kumar:** Quality Control Executive, Rosan Pharma Ltd.
5. **Poonam Bisht:** Quality Control Executive, Rosan Pharma Ltd.
6. **Sourabh Singh Tomar:** Quality Control Executive, Rosan Pharma Ltd.

Interdepartmental Activities

An interdepartmental Quiz competition was organized by Horticulture Department on National Science Day (28-02-2017). 3 teams (A, B & C) comprising 3 members each were formed, with remaining students from the department as



Horticulture department at National Science Day

audience. The competition was in four rounds viz. General Science, Subject Specific, Current Affairs, and Picture Identification. Team "A" was the winner of competition and the team members were rewarded with cash prize. Runners up teams were provided with participation certificate. Those members of audience who gave correct answers were also awarded gifts.

Department of Physiotherapy also organised Intra departmental Quiz competition in celebrating Science Day on 28/2/17. First position was acquired by Garima BPT 4 yr, Mukunda Bpt 2 year and Rupesh Bpt 1 year. Students participated with full enthusiasm and energy. All

faculty of Department of Physiotherapy was present. Winners were given cash prizes. Dr. Depte Warikoo gave away the prizes to the winners and congratulated them.

Antakshari Competition

Department of Physiotherapy organised Intradepartmental Antakshari Competition on 29.03.17. The event was organised in the auditorium from 2.30 PM onwards. It was hosted by Dr. Depte Warikoo and Dr Keerty Mathur. The event contained three rounds and the scores were maintained by Dr Kapil Garg. Students of all years participated in antakshari. The teams gave neck to neck competition. Sargam, Neelam

and Charu of BPT IV were the winners. Winners were given cash prizes .Dr.Depte warikoo gave away the prize to the winners and congratulated them.

Dance competition

Department of Physiotherapy organised an Intradepartmental dance competition on 20/1/2017 in Auditorium from 2.30 PM onwards. Fifteen students from the department participated in the event. The event was full of energy and fun. Garima Joshi of BPT IV and Sagar of BPT III stood first. Second was Deepali of BPT II and third was Manisha of BPT III. Winners were given cash prizes. Dr. Depte Warikoo gave away the prizes to the winners and congratulated them.



A Glimpes of Dance Competition

Health Camp/Physiotherapy Camp

A free physiotherapy camp was organized by the Department of Physiotherapy on 12 February 2017 at Panchayati Ghar, Navgaon village, Dehradun. A team of



A team of Dolphin physiotherapists at Navgaon Village

physiotherapists headed by Dr Depte Warikoo, along with Dr Vivek Chauhan, Dr Sunil Bhatt and Dr Richa Agarwal conducted the Camp to benefit mainly the geriatric population of the area. The physiotherapists focused on sensitizing the beneficiaries regarding the various health problems that gradually develop as a result of faulty postural habits, age, and occupational strain. The

patients were also screened requiring further referral. Onsite physiotherapy treatment sessions using modern equipment was provided to the patients and home regime exercise were demonstrated to them. Around fifty patients came for consultation. Along with the physiotherapy treatment the college pathlab also offered services to local people of Navgaon.

Health Camp conducted at Shyampur, Premnagar

- Dolphin (PG) institute in association with Sai Vihar Welfare Society, Shyampur organized a free health camp.
- Shri Sehdev Singh Pundir, MLA, Sahaspur appreciated the efforts of the organizers of Health Camp.
- Most of the patients were diagnosed suffering from Arthritic, Joints Pains, sciatica, Cerebral Palsy, Viral Fever, Anemia, Diabetes, High Blood Pressure, Malnutrition, etc.

Dolphin (PG) Institute in association with Sai Vihar Welfare Society, Shyampur organized one day free health camp on 26th March, 2017 at Durga Mandir, Shyampur, Premnagar, Dehradun.

Around 210 residents from adjoining localities, namely, Shyampur, Thakurpur, Ambiwala, Pitampur, Laxmipur and nearby villages were treated in the camp. Shri Sehdev Singh Pundir, MLA, Sahaspur praised the efforts of the Dolphin (PG) institute and Sai Vihar Welfare Society, Shyampur for having organised the health camp. Shri A.S. Chauhan, President, Sai Vihar Welfare Society inaugurated the health camp. Patients with different ailments viz., Heart, Liver related diseases and Asthma were referred to higher health centers for exact diagnosis. Free medicines



Dolphin physiotherapists at Shyampur

were also distributed among the patients.

Dr. R.K. Srivastava, CMO of our Institute along with Dr. Vivek Chauhan, Dr. Kapil Garg, Dr. Richa Agarwal, Dr. Jaishree, Shri Pradeep Sharma and a large number of BPT & MPT final year students from Dolphin Institute participated in the camp to render assistance. Shri A.S. Chauhan, Shri Chaman Lal, Shri Sudhir Bharti and other members of the society from Sai Vihar Welfare Society provided support in making the camp successful.

Field Visits

Botany

M.Sc. Botany IV Sem. students visited the Forest and Medicinal Plant Nursery, Kalsi, Dehradun on 07.03.2017 with Dr. K.P. Tripathi, Head, Botany Department, Ms. Prerna Bahuguna, and Ms. Pallavi Bhatia, faculty of the department.

Zoology

Department of Zoology organised an invited lecture and awareness programme on the occasion of



Students of Botany at Forest Nursery Kalsi

"World wetland Day" on 1st and 2nd February 2017 in collaboration with the Departments of Botany and Forestry. On the first day of programme, Dr. Arun Kumar delivered a lecture on "Asan

wetland: its birds and their conservation". On the second day students from various departments visited Asan Conservation Reserve and spotted many migratory as well as residential birds.



Students of Dolphin with Faculty at Assan CR

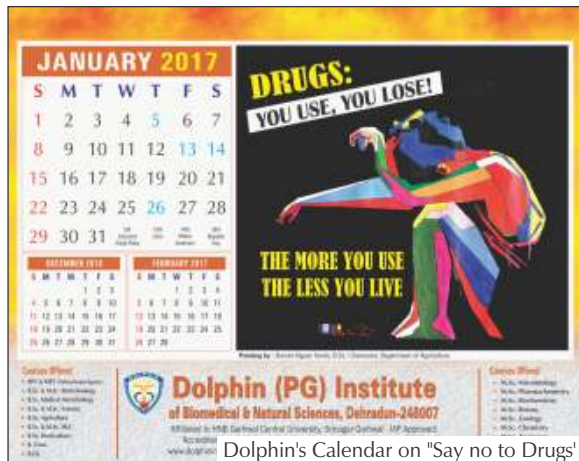
DSWC NEWS

Dolphin Institute Launched Calendar "Say No to Drugs" Base on posters by students

Showing our concern over the consumption of drugs in large scale by student community, a de-addiction programme, named 'Nai Pahal' was started last year for motivational activities against drug abuse. An institute level committee was constituted with following members Shri Vipul Garg- DSW and Convener, Shri Pankaj Gusain- Coordinator, Dr. R. K. Srivastava- Consultant Doctor, Dr. G. N. Sinha- Counselor, Dr. Shruti Sharma- Member, Mrs. Malti Sahwney- Member, Shri Ganesh Tiwari- Member and Sudhir Bharti- Member. The above members encourage students to involve themselves in curricular and co-curricular activities, besides their studies, to keep themselves mentally and physically busy and strong. They also counsel the students who have become drug addicts and treat them sympathetically to bring them back in the mainstream of the society. The objective of 'Nai Pahal' is to identify the addicts,

provide them counseling, diagnosis and rehabilitation. The Dolphin Students Welfare Committee is fully determined to carry on the campaign.

One of the activities of the DSWC during the current year was the organization of a poster competition in the campus on the topic 'SAY NO TO DRUGS'. Out of 74 posters prepared by the students on the above theme, 6 posters were adjudged as best ones and awarded cash prizes of Rs. 5100/-, Rs. 3100/-, Rs. 2100/- & 3 consolation prizes of Rs. 1100/- each were awarded by Ms. Sweety Agarwal, S.S.P. Dehradun in a formal programme organized in the campus.



To spread the awareness against drug far and wide, Chairman of the Institute Shri Arvind Gupta decided to print a calendar of the top 12 posters prepared by our students. It was launched by Shri Gupta in February 2017 and was distributed in society in large scale to spread the message against the abuse of Drug and also to motivate more students to take a pledge to say No to drugs.

Students participated in Sarvodaya Mission by Uttarakhand Police



Faculty and students as Sarvodaya programme at Police Lines

The students of Dolphin Institute attended a programme on Sarvodaya Mission organized by Uttarakhand Police on Friday, the March 4th, 2017. In this programme Uttarakhand Police launched Mission Sarvodaya, a campaign against drug menace, woman safety, road safety and cyber crime. DGP (Vigilance)- Shree Anil Kumar Raturi, IPS, launched the Mission Sarvodaya at the Police Lines, Race Course, Dehradun. He directed the police personnel to maintain cordial relation with the people. The police are an integral part of society and it must work taking the general public into confidence. SSP Sweety Agarwal said the aim of the campaign was to find solutions to the rising menace of drugs. She announced that the issues of cyber crime, crime against women and road safety shall be taken up on priority. She highlighted that it was the first initiative of the state

police to coordinate with various social groups and work with them to address the challenge of drug menace. She further informed that a special awareness drive will be started by the district police to tackle the various criminal activities of youth, especially the students in Dehradun district of Uttarakhand. Though the public awareness campaign is being carried out by the police in schools, colleges and other educational institutions, but due to the limited scope, it was not able to reach more people. Under the Sarvodaya Yojana, more people aware of this scheme by connecting them with social service organizations, schools, colleges, educational institutions and people of the media, etc. 50 Students along with DSWC – Dean Vipul Garg, AO, Sudhir Bharti and Karan Bansal from our Institute participated in the above programme.

Magic Show Organized in The Institute

A magic show highlighting scientific activities on de-addiction, AIDS, female feticide and superstition was organized on March, 28, 2017 in the campus in collaboration with Red-cross Society of India, Dehradun chapter. The programme was organized to help the poor and disabled children of the society. Famous Magician Samrat performed different magical tricks in front of faculty, staff and students of the institute. Audience was completely mesmerized by the magic tricks of the



Magician Samrat in Action

famous magician. Every one enjoyed the magic show. Shri Arvind Gupta donated a sum of Rs. 10,000/- to red-cross society of India for the welfare of disabled and poor children.

Digital Banking: An Awareness Programme



PNB Staff & Dolphin Students at Digital Awareness programme at Shyampur

The College in collaboration with Punjab National Bank organized an awareness campaign on Digital Payment from 17th to 26th March 2017. During the campaign a series of lectures for awareness on digital payment, saving a/c, P. P. F., e-statement and UPI transaction were held. Student members of Dolphin Student Welfare Committee helped the staff, faculty and students during the campaign. 105 PAN Cards, 60 savings accounts, 60 e-statements, 55 UPI Transaction and 20 P. P. F. accounts were made/ started in- and outside the campus. The management of Dolphin Institute and Punjab National Bank facilitated cash prize of Rs. 1500/- each to the students for their efforts. Officials of Punjab National Bank, Chairman of Dolphin Institute Shri Arvind Gupta & Dean-DSW- Shri Vipul Garg appreciated the students for their efforts.

Dolphinites participated in Walk Dehradun Walk

Amar Ujala along with Max Healthcare Hospital, Dehradun organized a "Walk Dehradun Walk" programme on February, 26, 2017. Students of our Institute, Dehradun also participated in the programme in which more than 2000 persons of all age groups participated. The Walk was flagged off by former Chief minister of Uttarakhand, Shri Harish Rawat, Rajit Mehta, Soha Ali Khan of Bollywood fame, Archana Pandey and Dr Sandeep Tanwar. Dean-DSWC Dolphin Institute; Shree Vipul Garg attended the programme on behalf of the College.

Saraswati Puja performed on Basant Panchami



Principal, Director, Faculty and Students in Saraswati Pooja celebration

On February, 1, 2017, Faculty, Staff and Students of Dolphin Institute joined the celebrations of Basant Panchami in the auditorium of the institute. In commemoration on the occasion Devi Saraswati, the Goddess of learning was worshipped with prayer. The programme was organised by Dolphin Students



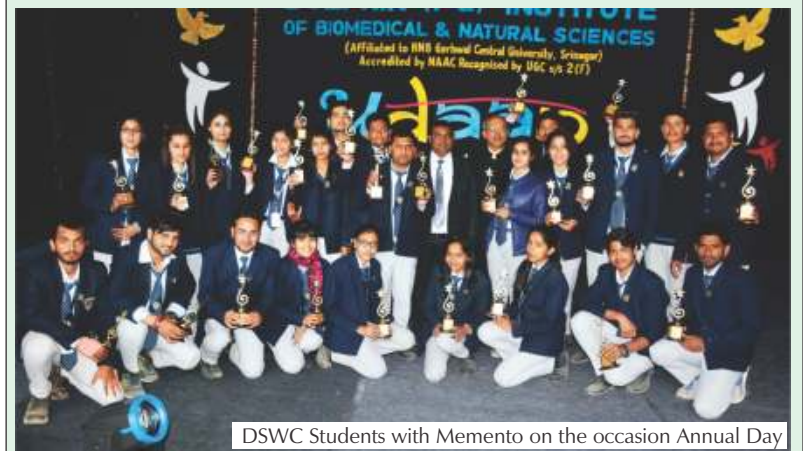
Prasad Distribution on the Occasion of Saraswati Pooja

Welfare Committee. After the worship melodious bhajans were sung by the students of the institute. Dr. Shailja Pant, Principal, Dr. Arun Kumar, Director, DSW Shri Vipul Garg,

Coordinator- IQAC. Dr. Shruti Sharma along with faculty, staff and students were present to grace the occasion. The celebrations concluded with Prasad distribution to all.

डॉल्फिन स्टूडेंट्स वैलफेयर कमेटी की टीम को विशेष पुरस्कार

- डी.एस.डब्ल्यू. ने नशा मुक्ति के खिलाफ छेड़ा व्यापक अभियान
- नेतृत्व क्षमता और सामाजिक जिम्मेदारी विकसित करना है डी.एस.डब्ल्यू. का उद्देश्य।



DSWC Students with Memento on the occasion Annual Day

डॉल्फिन स्टूडेंट्स वैलफेयर कमेटी ने एनुअल वीक-सृजन और एनुअल डे-उड़ान के आयोजन में दिखाया कि कैसे सामूहिकता और नेतृत्व क्षमता को विकसित किया जाता है। इसमें विद्यार्थियों की एक टीम ने योजनाबद्ध व संगठित रूप से स्वयं स्पोर्ट्स व कल्चर एक्टिविटीज के सभी आयोजन संचालित किये।

डीन-स्टूडेंट्स वैलफेयर श्री विपुल गर्ग और उनकी टीम के सदस्यों ने बताया कि नशा मुक्ति के खिलाफ उन्होंने व्यापक कार्यक्रम तैयार किये हैं। उन्होंने बताया कि इसमें लैक्चर, काउन्सलिंग, इलाज और पुनर्वास सभी सम्मिलित हैं। उन्होंने कहा कि इसके लिये उत्तराखण्ड पुलिस, सरकारी एजेन्सियों और विभिन्न एन.जी.ओ. की मदद से संस्थान और बाहर भी वे नशा मुक्ति कार्यक्रम-नई पहल का

संचालन कर रहे हैं। उन्होंने आगे बताया कि डी.एस.डब्ल्यू. संस्थान व संस्थान के बाहर गरीब मेधावी विद्यार्थियों की फीस, ड्रेस व किताबों का खर्चा उठाती है साथ ही अनाथ बच्चों की पढ़ाई तथा महिला सशक्तीकरण हेतु बालिका छात्रवृत्ति आदि का सफल संचालन कर रही है। उन्होंने कहा कि पढ़ाई हेतु जनजागरण, सफाई अभियान, बीमारियों के खिलाफ जन जागरण, समाज द्वारा बहिष्कृत व्यक्तियों व बच्चों को सबल बनाना आदि अनेक कार्य में लगी हुई है। एनुअल डे के अवसर पर डीन डी.एस.डब्ल्यू. श्री विपुल गर्ग तथा उनकी टीम के सदस्यों क्रमशः श्री आदित्य स्वरूप, डॉ. ऐ.के. पुण्डीर, कु. प्रेणा बहुगुणा, श्रीमती अंकिता सती तथा डॉ. सुध्या गोस्वामी तथा सदस्य छात्र-छात्राओं को उनके विशेष प्रयासों के लिए पुरस्कृत किया गया।

Annual Week “Srijan 2017” Celebrated

- Dolphinites Celebrate 16th Annual Week “Srijan - 2017”
- Sh. Anil Kumar Khosla, Circle Head, PNB, Dehra Dun inaugurated the celebrations
- The main attractions were week long interdepartmental sports, cultural & co-curricular competitions.

The 16th Annual Week began in the Institute on 20th February 2017. The week was packed with sports, cultural and co-curricular competitions between different departments. It came to end on 25th February 2017 with the celebration of Annual Day 'Udaan – 2017'. The events were organized by the Dolphin Students Welfare Council.

The Annual Week was inaugurated on 20th February with an attractive March Past comprising students from all the houses. Shri Anil Kumar Khosla, Circle Head – PNB, Dehradun region was the Chief Guest of the programme. In his inaugural address, Shri Khosla advised the students to focus on overall personality development and enjoy every moment of the student life. The march past participants took the oath



Inaugural Dance by Dolphin Girls

of sportsman spirit and discipline during the sport events. It was followed by Shiv Tandav Dance, patriotic group dance and western dance by the college students. Balloons were released by the guests and students to mark the beginning of the Annual

Week celebrations.

Shri Arvind Gupta - Chairman, Dr. Shailja Pant - Principal, Dr. Arun Kumar- Director, Sh. Vipul Garg - Dean Students' Welfare, faculty and students were present on the gala occasion.

A week of Hectic Activities

- Renowned Sitar Player Purbyan Chatterjee and Tabla Masteto Akram Khan mesmerized the audience with their impressive performance.
- Students participated in the sports, cultural and extra-curricular activities with full enthusiasm and zeal.
- Tough competition occurred between Departments of Microbiology and Forestry for Sports Trophy.

Inter departmental sports and cultural competitions were held during the annual week which commenced on 20th February 2017 and ended on 23rd February 2017 in the campus with grandeur. As the week progressed the enthusiasm and zeal of the

students were at their peak to win the events of their participation; number of prizes both individual and team too kept rising.

Throughout the Annual week a large number of sport and other events were organised in which the participated in

high number. Some such events were debate (Hindi and English), Quiz, Posters, collage, paintings, cartoons, rangoli, mehndi, face painting, flower arrangement, salad making, mimicry, songs, dances, skits, indoor and outdoor games, etc.

Following is the list of winners of various competitions:-

Poster presentation topic " Conventional Vs. Organic Food" Neha & Tanuja Mix Department - **Winner**, Shivangi & Maniraj Microbiology - **Runner up**

Rangoli competition Deepak & Medha, Physiotherapy - **Winner**, Shivani Sati & Sunaina Chetri, Biotechnology - **Runner up**

Mehandi competition Shikha, Microbiology - **Winner**, Neha, Mix Department- **Runner up**

Face Painting Sohni & Megha, Microbiology - **Winner**, Chinari & Vartika, Microbiology- **Runner up**

Debate (English) topic "Is India ready to be a cashless economy " Sakshi Rai, Physiotherapy - **Winner**, Kago Oliang, Agriculture- **Runner up**

Debate (Hindi) "Are social networking good for our society?" Ashutosh Lohani, Forestry - **Winner**, Rajshri Microbiology- **Runner up**

Debate (Hindi) "Are social networking good for our society?" Ashutosh Lohani, Forestry - **Winner**, Rajshri Microbiology- **Runner up**

Salad Making Ronia Lingi & Rinchin, Horticulture - **Winner**, Jopi & Lobsang, Forestry- **Runner up**

Cartoon Making Phawang, Forestry - **Winner**, Priyanka, Biotechnology- **Runner up**

Painting Rupaj, Physiotherapy - **Winner**, Anirban, Microbiology- **Runner up**

Flower Pot Arrangement Reboti & Leeza, Pathology - **Winner**, Nidhi & Shweta, Forestry- **Runner up**

Quiz Nidhi Singh & Ashutosh Lohani, - **Winner**, Forestry Kunal & Lipika, Microbiology- **Runner up**

Antakshari Anurag & Kunal, Microbiology - **Winner**, Hammad & Swati, Mix Deptt- **Runner up**

Collage Competition topic "Impact of Demonetization" Mamta & Vani, Physiotherapy - **Winner**, Ronia & Khummi, Horticulture- **Runner up**

Mime Acting Ankapali Mukerjee & Group, Biotechnology - **Winner**, Robin & Group, Mix Group- **Runner up**

Skit & Drama Physiotherapy - **Winner**, Mix Deptt. - **Runner up**

Group Song Thupten & Valentina, Mix Deptt - **Winner**, Manish & Pooja, Physiotherapy- **Runner up**

Solo Song Thupten, Mix Deptt - **Winner**, Pritam, Mix Deptt- **Runner up**

Group Dance Western Mathew & Group, Forestry - **Winner**, Jointly won by Potu Dada & Group Horticulture & Manish & Group Physiotherapy- **Runner up**

Solo Dance Western Pritam Deb Verma, Forestry - **Winner**, Roshni, Horticulture- **Runner up**

Solo Dance Classical Sujantika Agriculture - **Winner**, Rupaj Physiotherapy- **Runner up**

2 minutes to fame Shivani Sati Biotechnology - **Winner**, Alex Lalramdinthara, Agriculture- **Runner up**

Sports:

Badminton Single Girls Microbiology - **Winner**, Mix Department- **Runner up**

Badminton Single Boys Horticulture - **Winner**, Agriculture- **Runner up**

Badminton Doubles Girls Forestry - **Winner**, Microbiology- **Runner up**

Badminton Doubles Boys Agriculture - **Winner**, Mix- **Runner up**

Table Tennis Singles Girls Agriculture - **Winner**, Physiotherapy- **Runner up**

Table Tennis Singles Boys Mix - **Winner**, Forestry- **Runner up**

Table Tennis Doubles Girls Microbiology - **Winner**, Horticulture- **Runner up**

Table Tennis Doubles Boys Physiotherapy - **Winner**, Agriculture- **Runner up**

Chess Boys Biotechnology - **Winner**, Mix- **Runner up**

Chess Girls Physiotherapy - **Winner**, Horticulture- **Runner up**

Basketball Boys Forestry - **Winner**, Agriculture- **Runner up**

Basketball Girls Forestry - **Winner**, Agriculture- **Runner up**

Kho Kho Boys Forestry - **Winner**, Microbiology- **Runner up**

Kho Kho Girls Microbiology - **Winner**, Biotechnology- **Runner up**

Volley ball Boys Mix - **Winner**, Forestry- **Runner up**

Volleyball Girls Forestry - **Winner**, Microbiology- **Runner up**

Football Boys Forestry - **Winner**, Mix- **Runner up**

Crickets Boys Pathology - **Winner**, Microbiology- **Runner up**

Athletics and Track events:

50 Mtr. Race Girls Biotechnology - **Winner**, Forestry- **Runner up**

80 Mtr. Race Boys Physiotherapy - **Winner**, Forestry- **Runner up**

4x100 Mtr. Relay Girls Physiotherapy - **Winner**, Forestry- **Runner up**

4x100 Mtr. Relay Boys Forestry - **Winner**, Mix- **Runner up**

800 Mtrs. Race Girls Microbiology - **Winner**, Biotechnology- **Runner up**

1500 Mtrs. Race Boys Mix - **Winner**, Agriculture- **Runner up**

Long Jump Boys Biotechnology - **Winner**, Physiotherapy- **Runner up**

Long Jump Female Biotechnology - **Winner**, Physiotherapy- **Runner up**

Discuss Throw Boys Agriculture - **Winner**, Forestry- **Runner up**

Discuss Throw Female Forestry - **Winner**, Forestry- **Runner up**

Short Put Boys Microbiology - **Winner**, Forestry- **Runner up**

Short Put Female Horticulture - **Winner**, Forestry- **Runner up**

Tug of War Boys Mix - **Winner**, Physiotherapy- **Runner up**

Tug of War Female Physiotherapy - **Winner**, Agriculture- **Runner up**

Homage paid to Neta Ji Subhash Chandra Bose on his 120th Birthday



Students paying homage to Neta Ji Subhash

Dolphin Students Welfare committee celebrated the 120th birthday of Neta Ji Subhash Chandra Bose in the auditorium of the Institute on 23rd January 2017 by paying homage to the Great Freedom Fighter.

A programme was organized to recall the contributions of the great leader, popularly known as Neta Ji, in India's freedom struggle. The speakers paid tributes to Neta Ji and the students were told that Netaji Subhash Chandra Bose was one of the most reverend freedom fighter of India. Speakers mentioned that he has

charismatic influencer on the youth and earned the epithet 'Netaji' by establishing and leading the Indian National Army (INA) during India's struggle for independence. They further explained that his sudden disappearance post 1945, led to spread of various hypothesis concerning the possibilities of his survival in the air crash. Director of the institute Dr. Arun Kumar, Dean Students' Welfare Committee Mr. Vipul Garg and the Faculty, Staff & Students was present on the occasion.

French Drama Director Helene Duhamel's tips on Personality Development

Dolphin Students Welfare Committee (DSWC) organized one day Personality Development Programme on 8th February 2017 in association with a renowned NGO namely Kaaya Learning Centre. Helene Duhamel, a French Drama Director having 25 years of experience in using Drama as a tool for personality development with a range of participants from youth, juvenile, delinquents to corporate executive delivered lecture

to the students at Dolphin Institute auditorium. She taught the students of the institute about explorations in paused, voice modulation, eye contact, handling space, body language, emotions through exercises games and personalized feedback. Shri Vipul Garg, Dean SWC proposed a formal vote of thanks to Ms Helene Duhamel and also to the authorities of Kaaya Learning Centre. A large number of students attended the programme.

Students participated in a programme by Sajag Samaj Samiti



Hon'ble Minister Uttarakhand interacting with students

50 Dolphinites participated in the Hindu Nav Varsh Celebrations organized by Sajag Samaj Samiti at Chaudhary Farm House, G. M. S. Road, Dehradun on March 27, 2017. Shree Arvind Gupta, Chairman Dolphin Institute graced the function

in many competitions like live Rangoli, Mehndi, Painting, Singing and dancing. Dolphinite Shivani Sati and Sonia Chhetri won the II prize in Rangoli competition and were awarded cash prize of Rs. 2100/- by Guest of Honor & Cabinet Minister



Govt. of Uttarakhand, Shri Satpal Ji Maharaj. Moreover Garhwali group dance presented by Gaurav Baluni and group from our Institute,

as the Chief Guest. A large number of activities and cultural events related to Hindu Culture were held. Our students participated with enthusiasm

and solo Song by Preetam Rai were widely appreciated. Dean, Dolphin Students Welfare, Shree Vipul Garg also participated in the function.

Glimpses of "Srijan" 2017



Chief guest releasing the balloons during inaugural ceremony



Athletes taking oath



Spic macay programme



Flower decoration judgment



Mehandi competition participant



CMD talking with solo dance performers



Solo dance performance



Students in action during face painting



Mime acting



Tug of war Boys



Tug of war Girls



Discuss throw



80 Mtrs. Relay of Girls



Group dance performance Indian



Group Dance performance Departmental Choice



Skit & Drama on Social Issues



Prayer by DSWC Team



Audience enjoying the programmes

Glimpses of "Udan" 2017



Principal welcoming Chief Guest



OSD welcoming Wife of the Chief Guest



Lightening of Lamp



Memento presentation to the Chief Guest by Chairman



Welcome Song by the Students



Nepali Group Dance



Marathi Group Dance



Kashmiri Group Dance



Boys Fashion Show Parade



Recitation of National Anthems



Girls Fashion Show Parade



Skit & Drama on Mythological Stories



Prize distribution by the Chief Guest



Winners facilitated by the Chief Guest



Championship trophy presented by the Chief guest to Department of Forestry



DSWC Team honored by the Chief Guest

SCIENTIFIC ADVANCEMENTS

New Drug Claims To Regenerate Rotten Teeth

UK-based researchers have developed a therapy which they claim can regenerate rotten teeth and reduce the need for fillings. The therapy uses an Alzheimer's drug Tideglusib to enhance the natural ability of teeth to repair themselves by activating stem cells present in the mouth's dental pulp. It allows teeth cells to rebuild cavities, extending from the surface to the root. (<https://www.theguardian.com/science/2017/jan/09/decline-of-the-dentists-drill-drug-helps-rotten-teeth-regenerate>).



New drug claims to regenerate rotten teeth

9/decline-of-the-dentists-drill-drug-helps-rotten-teeth-regenerate).

Researchers Genetically Edit Salmonella To Combat Brain Tumors

American researchers have genetically engineered *Salmonella typhimurium*, the bacteria responsible for food poisoning, to attack tumours responsible for brain cancer instead of the gastrointestinal tract. The researchers rendered *Salmonella*, perpetually deficient in a crucial amino acid known as Purine which is found in tumorous brain cells, reaching where the bacteria self-destructs alongside tumorous cells. Once injected directly into the brain, the *Salmonella* burrows deep into the tumorous mass and begins to reproduce. The team also instructed the bacteria's genetics to produce two compounds -- Azurian and p53, both



of which cause cells to self destruct - but only in low-oxygen environments such as the interior of a tumor where bacteria are rapidly multiplying. That way both the tumorous cells and bacteria alike eventually die off. (<http://www.sciencemag.org/news/2017/02/scientists-turn-food-poisoning-microbe-powerful-cancer-fighter>)

Apples That Do Not Brown For Three weeks go on Sale



Genetically modified apples that do not oxidise or get brown for three weeks after slicing, went on sale in Midwest in February. Developed by Canadian company Arctic Apples, the feat was achieved by 'silencing' polyphenol oxidase (PPO) expression. When an apple's cells are damaged by cutting, bruising or biting them, the enzyme polyphenol oxidase (PPO) starts a chemical reaction called oxidative browning, causing the apple to turn brown. These non-browning apples and their trees grow in orchards just like the non modified ones. PPO contains antioxidants and plays a role in defending against pests and pathogens. (<https://www.engadget.com/2017/01/18/non-browning-gmo-apple-slices-go-on-sale-next-month>)

Viruses Overheard Talking to One Another



Israeli scientists have found viruses communicate with one another to coordinate their attack during an infection. Bacterial viruses leave messages for other viruses by secreting peptide molecules. This helps later phage generations to 'count' how many previous viruses have succeeded in infecting the host cells, and decide whether it is preferable to attack or lie dormant. The team named the mysterious molecule that they suspected was involved 'arbitrium' (after the Latin word for decision). (<http://www.nature.com/news/do-you-speak-virus-phages-caught-sending-chemical-messages>).

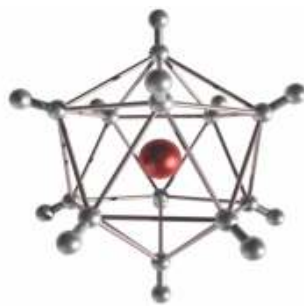
Physicists Can Now Predict The Exact Moment Quantum Systems Will Fail

In a first, scientists at the University of Sydney have accurately predicted the future failure of quantum systems, and have used the information to prevent their breakdown. Scientists worked with qubits, the fundamental building blocks for most quantum-enabled technology, for this development. This could be used to make quantum technology more accurate and reliable in future. (<http://www.sciencealert>



.com/physicists-can-now-predict-the-exact-moment-quantum-systems-will-fail)

Physicists Create A New Form of Hydrogen

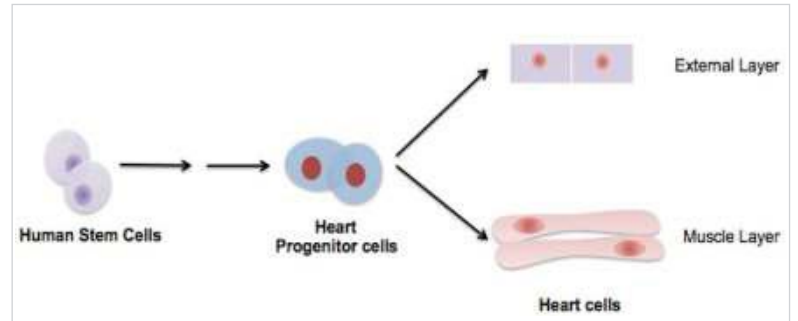


Austrian physicists created negatively charged hydrogen clusters, a previously unseen form of hydrogen. The existence of hydrogen in ion clusters has been known for the past 40 years, with positively-charged clusters already existing. The researchers injected cold liquid helium droplets with hydrogen before exposing it to an electron beam, resulting in creation of negatively charged hydrogen ions. (<https://www.sciencenews.org/article/new-form-hydrogen-created>).

Scientists Discover 'Survival Gene' That Prevents Growth of TB

Scientists have discovered a 'survival gene' that prevents strains of tuberculosis (TB) from mutating into drug-resistant 'superbugs'. They screened nearly every gene (11,000) in TB-causing mycobacteria for mutations on a specific antibiotic and found a DNA repair enzyme, produced by 'NucS' gene that prevents the mutations. The researchers also discovered that genetic variations in the NucS gene significantly influence the mutation rates in clinically isolated strains of mycobacteria. Notably, 18 lakh people died from the airborne disease last year. (<http://www.sussex.ac.uk/broadcast/read/38847>).

Stem Cells Used To Regenerate Outer Layer of Human Heart



Stem cells used to regenerate outer layer of human heart

US-based researchers have used stem cells to regenerate the external layer of a human heart using stem cells. Firstly, scientists derived the cardiac progenitor cells from human stem cells, and then the progenitor cells were treated with chemicals to sequentially activate and then reactivate a group of signal transduction pathways made of proteins, forming the epicardium cells. Heart attacks occur due to

blockage of blood vessels. This blockage stops nutrients and oxygen from reaching the heart muscle, and muscle cells die. These muscle cells cannot regenerate themselves, so there is permanent damage, which can cause additional problems. These epicardium cells could be transplanted to the patient and potentially repair the damaged region. (www.sciencedaily.com/releases/2017/01/170111151837).

Genetically Modified Mosquitos Massively Reduce Dengue Fever Risk

US-based scientists have genetically engineered *Aedes aegypti* mosquitoes to develop increased resistance against dengue virus. Scientists engineered the mosquitoes to break the pathway between infection and transmission of virus to healthy people. This was done by modifying the mosquitoes to produce more of certain proteins so that they produce fewer copies of the virus in their guts. (https://www.nature.com/scitable/blog/viruses101/are_modified_mosquitoes_the_future).



FACULTY CONNER

House sparrow on way to extinction!

Pesticides, urbanisation, lead-free fuel, mobile phones, cats could all be drastically reducing the population of the sparrow.

They have disappeared so quietly that no one has noticed them go. Either that or in the din of city life, people have been too busy to realise their choral chirping is now a duet. In recent years, ornithologists have reported a drastic decline in the population of the ubiquitous bird in several countries, including India. The house sparrow (*Passer domesticus*) is no longer what it used to be - common. Instead, it is now placed alongside 39 other globally threatened birds in the Red List - species of high conservation concern - by the Royal Society for Protection of Birds (RSPB), UK. India, however, is yet to take the problem seriously though it is hard to come by anyone who disagrees - when it is pointed out to them - that the birds are few and far between. No one knows why the sparrow is on its flight to oblivion.

It could be a combination of reasons - decrease in food supply due to change in cropping patterns and use of pesticides, lack of nesting sites which is blamed on urbanization, predation and selective catching of male house sparrows for use in Unani medicines. The widespread use of pesticides and herbicides has also put a check on the insects that sparrows live on. "This might not be the case in Britain but

Indians still continue to use hazardous pesticides that have been banned elsewhere," says Bill Harvey, a Delhi-based ornithologist. But sparrows could be to us what canaries were to the miners. Being social birds and ultimate survivors - they have been found breeding at 14,000 ft in the Himalayas and nearly 2,000 ft down in a Yorkshire coal mine - sparrows are good indicators of the state of the environment. "The air which a sparrow breathes is the same as the one we breathe". "Decline of common species is the first warning signal for us that we are doing something wrong with the environment," warns Prof. A R Rahmani, Director BNHS. But in India, the complacency about the numbers of common birds translates into apathy. "Sparrows, like other common birds, are not a Schedule I or Schedule II species, so no one seems interested," says Parikshit Gautam from WWF India. Perhaps we should also develop environmental quality as primary criteria for the quality of life beside income, literacy, water availability and health care".

"It took the death of only one sparrow for naturalist Salim Ali, the grand old man of Indian ornithology, to pursue



a life-long interest in the feathered species" - his autobiography is called *The Fall of the Sparrow*.

Almost a century after his awakening, it is time Indians woke up to the intermittent chirping of the house sparrows. Otherwise, the silence could be numbing.

Why they are dying?

- Reasons believed to be behind the decline in sparrow numbers
- Reduction in food supply due to changes in agricultural practices like widespread use of pesticides.
- Lack of nesting sites because of architectural changes.
- Electromagnetic contamination due to rampant use of cell phones.
- Increase in the population of predator species like hawks and cats.

Compiled by: Drs. Arun Kumar & SK Sheel, Member Editorial Board 'Dolphin Insight'.