



Landmark of Quality Education

Shivalik College of Engineering, Dehradun

Affiliated to Veer Madho Singh Bhandari Uttarakhand Technical University

IQAC NEWSLETTER

Vol 1, December 2022

DIRECTOR'S MESSAGE



It gives me immense pleasure to write the Director's message for the First issue of the News letter of our college. A news letter mirrors a college its vision and mission. It also highlights activities, events, academic progress and achievements. Though, we have not reached our targeted destination, our strides are definitely fast towards progressive development. Today, education means much more than merely acquiring knowledge. This year we introduced an Induction Programme for the freshers of UG program for a week which was quite successful. Each student was afforded the opportunity to receive introductory training in art, music, drama, yoga and meditation and physical education. I believe through such a training students become socially conscious, intellectually competent, religiously vibrant and emotionally balanced. I am thankful to the dedication and commitments of the faculty, supporting staff and disciplined students of our college. My Special thanks to IQAC co-ordinator and NAAC co-ordinator for their painstaking effort in publishing this news letter. Our management is always vigilant in constantly equipping the institution to attain its vision and mission. I hope that the students may make use of those facilities and privileges. I am proud of being the Principal of such a wonderful institution dedicated to the causes of better India. Let's give our best and make this institution a "temple of wisdom" through our diligence and dedication. Wishing you all the best...!

- ◆ Conferences / Seminars Organized
- ◆ Faculty Development Programmes
- ◆ IQAC Quality Initiatives
- ◆ Cell Activities
- ◆ Celebrations
- ◆ Extension Activities

Patron

Mr. Ajay Kumar
Vice Chairman
Shivalik College of Engineering

Chairman, IQAC

Dr. Prahlad Singh
Director, SCE

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CONFERENCES/SEMINARS ORGANISED

International Conference on Emerging Development in Engineering & Technology (ICEDET-2022)



Department of Mechanical Engineering, Shivalik College of Engineering Dehradun Organized Conference on International Conference on Emerging Development in Engineering & Technology (ICEDET-2022). Conference held for two days on 22nd -23rd April 2022 from 10:00 A.M. to 5:30 P.M. Function was inaugurated by Prof. (Dr.) Ramkaran Singh (VC, ICFAI University) and Prof. (Dr.) Rakesh Ranjan (VC, Himgiri Zee University) along with Prof. (Dr.) Prahlad Singh (Director, Shivalik College of Engineering, Dehradun), Prof. (Dr.) S.P. Shrivastava (Advisor, Shivalik College of Engineering, Dehradun) 40 papers were presented on relevant topics by presenters from all over India and hence it became truly international. Sri Prof. R.K.Gupta (Registrara, V.M.S.B.T.U. Uttarakhand) was the Chief Guest in the Valedictory Function. Conference was over with vote of thanks and with the distribution of certificates and mementos.

- Total 100 participants were participated in the conference (including Guests and media persons)
- Total 50 presentations were done in the 8 technical presentation sessions. Total 10 sessions were held including the inaugural and valedictory sessions.
- 5 media persons were covered the conference for their news papers
- About 02 news papers had covered the conference news for both days 22nd -23rd April 2022

Seminar on National IP Awareness

"Introduction to IPR and Legal Patent filling procedure in India"

Seminar on IPR held on 13-01-2022 at shivalik College of Engineering. The Programme included talks on the value of Intellectual Property rights and how to defend them, patenting procedures and patent informatics, patent searches, the role of innovation and invention in academia-industry partnernships, trademarks and copyright protection, and do's and don'ts for researchers in the sense of publishing and patenting. The speaker also shared scheme on "Building Awareness on IPR" for MSMEs



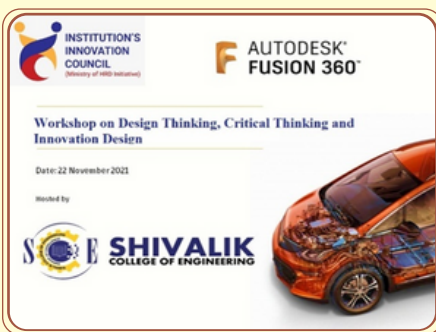
Office of Controller General of Patents, Designs and Trade Marks, has successfully conducted the IPR awareness/training program under the special mission called “National Intellectual Property Awareness Mission (NIPAM)” at Shivalik College of Engineering, Dehradun on 29/04/2022. This office appreciate Shivalik College of Engineering for active participation and cooperation to make this special program successful and to recognize your participation, CGPDTM is pleased. Conference was over with vote of thanks and with the distribution of certificates.

Office of Controller General of Patents, Designs and Trade Marks, has successfully conducted the IPR awareness/training program under the special mission called “National Intellectual Property Awareness Mission (NIPAM)” at Shivalik College of Engineering, Dehradun. on 11/03/2022. Patent office appreciate Shivalik College of Engineering for active participation and cooperation to make this special program successful and to recognize your participation, CGPDTM is pleased & award a certificate for participating in the program.



Workshop on "Entrepreneurship and Innovation as Career Opportunity"

Shivalik Institution's Council(IIC) constantly strive towards excellence in the teaching-learning process by involving effective industry-academia collaboration and providing opportunity to our students to become an entrepreneur. In continuation of these efforts, a Workshop on "Entrepreneurship and Innovation as Career Opportunity" for Shivalik students on 15th October 2021 at Shivalik College of Engineering Dehradun. Total 55 students and 15 faculty participated in the workshop.



Workshop on Design Thinking, Critical Thinking and Innovation Design

Shivalik Institution's Council in association with Autodesk organized the "Workshop on Design Thinking, Critical Thinking and Innovation Design" for Shivalik students with the objective to make our students skilled to use basic modules of the Fusion 360 design and simulation software. Total 46 students and 05 faculties participated in the workshop. The workshop was followed by a 12 house self-practice session and assignment submission.

My Story- Motivational Session by Successful Start-up founder.

Shivalik Institution's Innovation Council organized a session on "My Story- Motivational Session by Successful Start-up founder" for Shivalik students with the objective to motivate the students for startup and Entrepreneurship. Total 85 students participated in the session.



Workshop on "Outcome Based Education"

Department of Internal Quality Assurance, Shivalik College of Engineering, Dehradun, Uttarakhand in Collaboration with Ajay Kumar Garg Engineering College and ABES Engineering College, Ghaziabad, Uttar Pradesh Present a Faculty Development Program on "Outcome Based Education". On 12th November, 2022 at Shivalik College of Engineering, Dehradun.

FACULTY DEVELOPMENT PROGRAMMES

Workshop on professional ethics"

The Department of Internal quality Assurance Cell, SCE successfully organized a 14 days development program on professional ethics" from 1st Nov to 14th November in this workshop professional ethics is taught. like values, professional ethics provide rules on how a person should act towards other people and institutions in such an environment.



Workshop on Cyber Security

The Department of Internal quality Assurance Cell, SCE successfully organized a faculty development program on "Cyber Security". In the FDP Faculties and other participants learn the art of protecting networks, devices and data from unlawful access or criminal use and the practice of guaranteeing, integrity and availability of information.



Workshop on MATLAB

The Department of Internal quality Assurance Cell, SCE successfully organized a faculty development program on "MATLAB" participants learn the advance mathematical modelling techniques were taught and other advance technique of numerical simulation was introduced to the participants.



Training on ERP

IQAC organised a training programme on "ERP" on 30 March 2022 for the members of the Institute committee. Mr. Manish Bhatt from IT department Shivalik College of Engineering, Dehradun was the trainer for the programme.

NSS ACTIVITIES

NSS UNIT, SCE

Overview of National Service Scheme

The Motto of NSS "Not Me but You" reflects the essence of democratic living and upholds the need for selfless service. NSS helps the student's development & appreciation to other person's point of view and also show consideration towards other living beings. The philosophy of the NSS is a good doctrine in this motto, which underlines on the belief that the welfare of an individual is ultimately dependent on the welfare of the society as a whole and therefore, the NSS volunteers shall strive for the well-being of the society. The logo for the NSS has been based on the giant Rath Wheel of the world famous Konark Sun Temple (The Black Pagoda) situated in Orissa, India. The Red & Blue colors contained in the logo motivate the NSS Volunteers to be active & energetic for the nation-building social activities. The wheel portrays the cycle of creation, preservation and release and signifies the movement in life across time and space, the wheel thus stands for continuity as well as change and implies the continuous striving of NSS for social change. Started initially in 37 universities involving 40,000 volunteers, the scheme has grown over the years and it is implemented today with an involvement of more than 3.8 million volunteers spread over in 396 Universities, Polytechnics and 47 Councils of +2 levels. The efforts of NSS volunteers have been widely acclaimed by the community, universities, colleges and general public as the NSS volunteers have been rendering selfless service to the community.

Contribution of Shivalik college of Engineering with NSS

The NSS is part of our academic, social and personal life as it is the third dimension of education. It allows the students to actively contribute their services for the cause of community and the nation, thus helping them develop their personality. Service and attain the traits of a leader of the nation. As such, the NSS is the right platform, where the student- youth of the nation may get to involve with real-life social activities, and thereby become responsible citizen of India. Shivalik college of Engineering is always committed to develop a potential student for the nation who can serve the country even in epidemic situation.

Objectives of National Service Scheme (NSS)

- Ø Understand the community in which they work.
- Ø Understand themselves in relation to their community.
- Ø Identify the needs and problems of the community and involve them in problem-solving.
- Ø Develop among them a sense of social and civic responsibility.
- Ø Utilize their knowledge in finding practical solutions to individual and community problems.
- Ø Develop competence required for group-living and sharing of responsibilities.
- Ø Gain skills in mobilizing community participation

International Women's Day

NSS Unit of Shivalik College of Engineering (SCE) organized a awareness and motivation programme on International Women's Day in which NSS students of SCE has participated. The basic theme of program to aware village women about digital payment, internet banking, entrepreneurship, fitness/yoga etc. Date of activity organized: 10/3/2022



World TB Day



The objective of activity is to raise public awareness about the devastating health, social and economic consequences of TB, and to step up efforts to end the global TB epidemic

Workshop on rural entrepreneurship



The objectives of event is to trigger the minds of students for economic development and generate employment by providing necessary factor inputs and infrastructure for productive uses in agriculture and rural industries, and improving the quality of life of the rural people by entrepreneurial empowerment Date of activity organized: 08/3/2022



बच्चों को स्वास्थ्य के प्रति किया जागरूक

10/04/2022



शिवालिक कॉलेज ऑफ इंजीनियरिंग के राष्ट्रीय सेवा योजना के समूह ने सीएमएडाए के प्राइमरी स्कूल सिटनीवाला में बच्चों को स्वास्थ्य के प्रति जागरूक किया। • हिन्दुस्तान

देहरादून। विश्व स्वास्थ्य दिवस के उपलक्ष्य में शिवालिक कॉलेज ऑफ इंजीनियरिंग के राष्ट्रीय सेवा योजना समूह ने सीएमएडाए स्थित प्राइमरी स्कूल सिटनीवाला में प्रतियोगिता कराई। बच्चों को अपने स्वास्थ्य से जुड़े जानकारियां दी गईं। विजेता छात्रों को प्रधानाचार्य गंभीर कश्यप, शिवालिक कॉलेज के निदेशक डॉ. प्रह्लाद सिंह, डीन जीएसडब्ल्यू सुरेशपुर पंत, एनएसएस के आनंद कैमवाल ने पुरस्कार दिए।

World Health Day

World Health Day is celebrated every year to raise awareness about the ongoing health issues that concern people across the world. The day is also used as an opportunity to spread awareness about the overall health and well-being of people. Successfully conducted a visit to Nearby Village school. Date of activity organized on 07/4/2022 the coordinator activity is Mr.Anand Singh

Unity Day

Title of activity is Run For Unity activity organized on 31-Oct-2021 National unity is a force that keeps the society connected and makes them strong. National Unity Day teaches us to live together, work, and understand each other. The Day is meant to encourage people to come closer to developing a better nation. It is very important for every person to think about the benefit of the country before their benefit. The Day makes people aware of unity in many cities as well as in many areas of our country. Unity in the country was most elevated by freedom fighter Sardar Vallabh bhai Patel. In that century, he was a person of new thinking like today's youth. He always gave a message of unity to the country. His birthday is celebrated as National Unity Day to pay tribute to him.



The main objective of activity:-

- Improving the quality of life in rural areas through cleanliness and personal hygiene.
- Create awareness among communities towards sanitation and cleanliness.
- To bring about behavioral changes in the people towards sanitation and hygiene.
- Motivating the communities for adopting a proper sanitation model for better health and life . The activity organized on 02-Oct-2021 at SHIVALIK COLLEGE OF ENGG.

Swachh Bharat Diwas



Kargil Diwas Celebrations in memory of Kargil heroes.



NSS Unit of Shivalik College of Engineering (SCE)

organized a seminar and motivation on Kargil Diwas in honor of the Kargil War's Heroes in which NSS students as well as other student of SCE has participated. The basic theme of program to pay tribute to our kargil heroes. The program was flagged off by Hon, Director of SCE along faculties' members.

NCC



NCC unit at Shivalik College affiliated to 29 UK Battalion, Dehradun and is functional under the Leadership of Lt. Anirudh Kulkarni.

Overview of NCC (National Cadet Corps)

National Cadet Corps (NCC) is the military cadet corps of India that has its Headquarter at New Delhi. It was established in India during the year 1948 and since then, it remains open on voluntary basis for both college and school students of the country.

NCC is a Tri-Service Group that comprises of Air Force, Army and Indian Navy involved in grooming of the country's youth into patriotic, responsible and well-disciplined citizens. Hence, National Cadet Corps of our country acts as a voluntary organization that recruits cadets from Universities, colleges and schools from all over India and provides them basic military training courses in various parades and small arms. Students are called as cadets and allotted rank as per performance and merit. "B" certificate and "C" Certificate exam is held when the cadet enters second year and third year of the training.

Objectives of NCC (National Cadet Corps) Celebrations

- NCC works to fulfill the requirements expected in the latest socio-economic scenario in India.
- The organization aims at development of character, discipline, comradeship, secular outlook, ideals of selfless services and adventure spirits amongst large numbers of young citizens.
- NCC aims to create a pool of trained, organized and motivated youth with various leadership qualities in every walk of their life and serve the Nation irrespective of career they choose.
- National Cadets Corps also provide a sound environment conducive towards motivating large numbers of young people of India to join armed forces

NCC Activities



Firing Competition

The main objective of organizing such camps is to make cadets aware about the major development and achievement in defence forces. The firing is one of the most important training in NCC, without which the experience of NCC is incomplete. Cadets wait for firing camps. The camp is successfully attended by the students. Date of activity organized is 04-05-2022

Fire Fighting Demonstration



Basic fire-fighting techniques can also help to prevent small fires from becoming big emergencies. It ensures everyone knows how to act safely, reducing the risk of injury or loss of life in the event of a blaze. Event of fire fighting demonstration is being successfully held in SCE .Where students have learned the basic and advanced fire-fighting techniques. Also students learned about basic life saving techniques in case of disasters.

Republic Day Celebration

On 26th Jan 2022, Republic day was celebrated in Shivalik College of Engineering. Honorable Vice Chairman Sir, unfurled the national flag followed by national anthem and speech. Event ended with distribution of sweets and photograph session. The objective of the event was to honor the constitution of Independent India



National Youth Day Celebration

To celebrate youth day and pay homage to Swami Vivekananda. The outcome of the event was to commemorate the birth anniversary of Swami Vivekananda. This activity was held strictly online mode due to Covid -19 restrictions. Swami Vivekanand birthday is better known as youth day. Shivalik College NCC cadets paid online homage to Swami Vivekananda and shared their views on role of youth in the present time. Posters related to YOUTH POWER were made by the cadets and displayed through online mode only.



Homage to Soldiers (Helicopter Crash)

Exam Reform Workshop

To mourn the demise of soldiers who lost their life in Connor Helicopter crash on 08 Dec 2021. To promote the spirit of patriotism among cadets. The outcome of the event was to pay homage to all those who lost their life in Helicopter Crash that shook the country on 08 Dec 2021.. NCC in collaboration with NSS organized candle march on 17th Dec 2021 to pay homage to soldiers who got martyred in helicopter crash on 08 Dec 2021 including CDS Late Gen Bipin Rawat. A candle march was organized in college campus and two minutes silence was observed as mark of respect for departed souls.



CATC (Combined Annual Training Camp)



To attend Annual Training Camp organized by 29 UK Batallion, Dehradun. Cadets underwent military training for four days and studied about various topics related to B certificate exam. 29 UK Batallion, Dehradun organized CATC camp at Butchery, Garhi Cantt, Dehradun. Due to Covid-19 restrictions camp was restricted to four days. Cadets were given training in Map Reading, Weapon Handling, Drill, Field Signal and B certificate exam. The Date of event organized was 22 Nov 2021 to 26 Nov 2021

Recruitment in NCC

22nd Oct 2021

Students got recruited in National Cadet Corps after undergoing physical fitness test, medical test and written test. Objective of the event is to recruit new students in National Cadet Corps.



NCC AND INDO TIBETAN BORDER POLICE (ITBP), Mussorie



NCC unit of Shivalik college in collaboration with Indo Tibetan Border Police, Mussorie organized tree plantation at high altitude. Shivalik NCC cadets planted more than 350 saplings at high altitude. ITBP, Mussorie officials were also present on the occasion and extended full cooperation for such activity in future. The objective of the event was to plant saplings at high altitude in association with Indo Tibetan Border Police, Mussorie, Dehradun

Ek Bharat Shreshth Bharat Camp (Online Camp)



The objective of online camp was to enhance interaction and understanding between people of diverse cultures living in different States and UTs in India. NCC Directorate of Kerala and Lakshadweep had organized a five days online camp for NCC cadets. Activity was held in online mode due to social gathering restriction and guidelines issued by the Government of India. Online quiz was also organized by the Kerala and Lakshadweep directorate and cadets were well versed with cultural diversity of India. the coordinator of event was NCC Directorate Kerala and Lakshadweep.

Statue Cleaning Activity

As per the official notification of 29 UK Batallion dated 05/Aug/2021 all NCC units were instructed to carry out statue cleaning activity of the statues adopted in the AOR (Area of Reach). On 13th August Shivalik college NCC cadets cleaned the statue of Amar Shaheed Hawaldar Gajendra Singh Bisht in Village Ganeshpur and paid homage. Cadets also met family members of the martyred and paid homage. Date& Day of event organized is 13 Aug 2021.



Shivalik College of Engineering Received Award by UCOST for Best Technical Institute in Start-up & Entrepreneurship of the year.





Vison of IQAC

To develop quality culture as the prime concern for all the colleges at Shivalik through institutionalization of quality enhancement initiatives.

Our Objectives

To develop a system for conscious, consistent improvement in overall performance of the colleges.

To promote measures for institutional functioning towards quality enhancement through bench-marking ,national and international quality culture and institutionalization of best practices.

Our Strategies

- Quality relevant academic/ research programmes.
 - Ensuring timely, efficient and progressive performance of academic, administrative tasks.
 - Optimization and integration of modern methods of teaching and learning.
 - Ensure credibility and reforms for assessment and evaluation process.
 - Ensuring the adequacy, and maintenance an of quality records.
-