



Gender Champions Club and Internal Complaint Committee

Jointly organized

Article Writing Competition 2024

The Gender Champions Club (GCC) and Internal Complaint Committee (ICC) have organized an article writing competition on topic “ Challenges for women in STEM and Sociological Perspective on gender inequality” on the occasion of International Women Day from 12th Feb 2024 to 28th Feb 2024. There are more than 20 entries. The team of experts shortlisted the candidates for the first, second and third position as per the applied terms and conditions which have advertised to all the participants by mail. The result declared on 4th March, 2024 and informed via mail to all the candidates and the position holders are asked to get their awards on 6th March 2024 on the occasion of celebrating International Women’s day. Prof. Anupriya Kaur (Chairperson ICC), Dr Hemant Sood (Nodal Officer GCC), Dr Nancy Singla (Nodal Officer GCC) along with Tripti Bhardwaj (Student coordinator GCC) and students team organized the event.

Flyer carrying all details and result sheet have mentioned for the information.

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY
WAKNAGHAT, SOLAN, H.P.

GENDER CHAMPIONS CLUB
&
INTERNAL COMPLAINT COMMITTEE
presents

Article Writing Contest

Theme:- 1. Challenges for women in STEM (Science Technology Engineering and Mathematics)
2. Sociological perspectives on gender inequality.

Terms and Condition:-

1. The article should be 500-600 words.
2. Plagiarism free
3. Name, Roll No, Degree pursuing and branch with semester should be mentioned
4. Date of submission: by 28th Feb 2024
5. Mail at: genderchampionsclubjuit2020@gmail.com

Declaration of Result:- March 8, 2024

Student Coordinator
Tripti Bhardwaj
Btech -Biotechnology

Faculty Coordinator
Dr. Nancy Singla
Dr. Hemant Sood
Prof. Anupriya Kaur

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Students recommended for First, Second and Third positions are as follows:

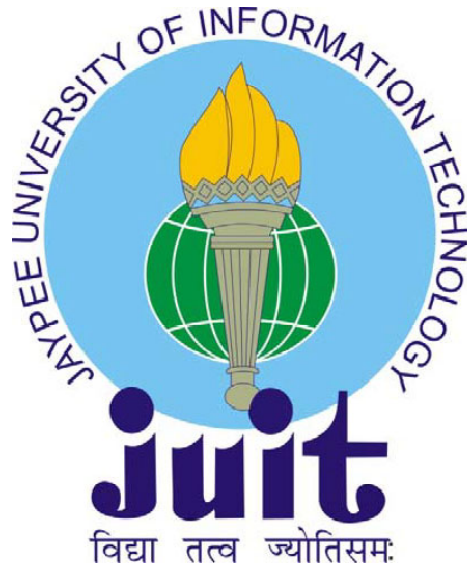
S. No.	PARTICIPANT NAME	B. Tech. Yr /Sem.	Position Acquired
1	Chetanya Agarwal (211141)	B. Tech. CSE 3 rd Yr.	First
2	Harshita Mussania (221011033)	B. Tech. BT 2 nd Yr.	Second
3	Astha Pipania (231030063)	B. Tech. CSE 1 st Yr.	Third

Kaur 4/3/24
Dr. Anupriya Kaur
Professor,
Department of HSS
(Presiding Officer, ICC)

Hemant Sood 4/3/24
Dr. Hemant Sood
Associate Professor,
Department of BT & BI
(Nodal Officer, GCC)
(Faculty Member, ICC)

Nancy Singla 04/03/2024.
Dr. Nancy Singla
Assistant Professor (SG),
Department of CSE/IT
(Nodal Officer, GCC)

**A Report
on
Legal Awareness Camp**



Date: 6th March, 2024
Time: 10 a.m – 12 a.m.
Venue: LT 1

Activities:
Talk by Advocate
Sheetal Vyas

Jaypee University of Information Technology
Waknaghat, Dist. Solan 173234
2024

Attendees:

Honorable Vice Chancellor Prof. R.K. Sharma

Dean Academics: Prof. Ashok Gupta

Registrar and Dean Student Welfare: Maj. Gen. Bassi

Approximately 200 students and Faculty members

Organizers: Internal Complaint Committee (ICC) and Gender Champion Club, JUIT

On March 6, 2024 a Legal Awareness Camp was conducted at Jaypee University of Information Technology (JUIT), aimed at educating students on various legal aspects. The event was organized by the Internal Complaint Committee (ICC) and the Gender Champion Club, JUIT, in collaboration with esteemed legal professional Advocate Sheetal Vyas from the High Court Shimla. Advocate Sheetal Vyas delivered an informative and engaging talk on legal awareness, covering diverse topics relevant to students' lives. The session encompassed discussions on fundamental rights, legal responsibilities, gender equality, and the importance of understanding legal frameworks in society.

Key Points Covered:

Fundamental Rights: Advocate Vyas elucidated on the fundamental rights enshrined in the Indian Constitution, emphasizing the significance of exercising these rights responsibly.

Legal Responsibilities: The speaker shed light on the legal obligations and responsibilities that individuals hold within society. Discussions revolved around the importance of compliance with laws and regulations.

Gender Equality: Advocate Vyas addressed issues related to gender equality and the legal mechanisms in place to safeguard the rights of all individuals, irrespective of gender.

Understanding Legal Frameworks: The session aimed to enhance students' understanding of legal frameworks, empowering them to navigate legal complexities confidently.

Attendance and Dignitaries:

The event garnered significant attendance, with around 200 students actively participating in the session. Notably, the presence of esteemed dignitaries including Honorable Vice Chancellor Prof. R.K. Sharma, Dean Academics Prof. Ashok Gupta, and Maj. Gen. Bassi, Registrar and Dean Student Welfare, added prestige and significance to the occasion.

Conclusion:

The Legal Awareness Camp at JUIT, featuring Advocate Sheetal Vyas as the keynote speaker, proved to be an enlightening and enriching experience for the attendees. The event successfully fulfilled its objective of enhancing legal awareness among students, empowering them with knowledge essential for responsible citizenship. Such initiatives underscore JUIT's commitment to holistic education and societal welfare.

Acknowledgment:

The organizers extend their gratitude to Advocate Sheetal Vyas for her insightful presentation and to all dignitaries and participants for their enthusiastic participation, contributing to the success of the event.

JUIT

**GENDER SENSITIZATION
AND
LEGAL AWARENESS CAMP**

CELEBRATING INTERNATIONAL WOMEN'S DAY
10:00-12:00 | Wed, 06 March | LT-1

RESOURCE PERSON

Advocate Sheetal Vyas
High Court Shimla

*"Law is one of the great
healing professions, while
medicine heals the body and
clergy heals the soul, the
law heals societal rifts"*

ORGANIZERS

Gender Champions Club and ICC

Jaypee University of Information Technology
Waknaghat, Tehsil Kandaghat, Distt Solan HP 173234 India





Jaypee University Of Information Technology Solan, 173234

Colours of Giving (Koshish Club)

Event: Colours of Giving.

Date: 19th - 20th March, 2024.

Organised by: Koshish Club of JYC.

Venue: JUIT.

Koshish Club, a dedicated initiative aimed at providing underprivileged children with access to quality education, organised their first donation drive "Colours of Giving", with the noble intention of bringing joy to the lives of those less fortunate. This heartfelt event provided the university community with an opportunity to extend a helping hand and make a positive impact on the lives of underprivileged children either from localities, families of workers or anyone in need.

The donation drive, held under the banner of "Colors of Giving" symbolised the spirit of Holi - spreading joy, love and compassion. Koshish humbly requested generous contributions from students and staff in any form, including stationery, clothes or monetary support. These donations were made for fostering social activities and providing essential resources to those in need.

The funds collected during the drive were earmarked for purchasing gifts for the underprivileged children, aimed at adding colour and cheer to their celebrations. Post-collection, meticulous arrangements were made to personally deliver these gifts to the children and individuals in need, ensuring that the donations reached the intended beneficiaries.

The success of the "Colors of Giving" donation drive was made possible by the collective efforts and selfless service of various

individuals, including faculty coordinators, Dr. Shikha Mittal and Dr. Raj Kumar, whose guidance and support were instrumental in orchestrating the event seamlessly, the student coordinators of the Koshish club along with dedicated volunteers, who also worked selflessly to organise and execute the donation drive. In the end, "Colours of Giving" served as a shining example of the power of collective kindness and community support.

Event Snapshots:







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National Cadet Corps

Activity Name: Awareness Rally on HIV/AIDS Prevention

Venue: JUIT Wagnaghat

Date: May 05, 2024

On the 26th May 2024, the cadets of Jaypee University of Information Technology, Wagnaghat were organized a campaign for prevention and awareness of HIV/AIDS in wagnaghat. The day started at 8:30am where cadets gathered at the town square as a starting point for their awareness rally. This event aimed to educate the public, particularly the youth, about the risks, prevention methods, and the importance of eradicating the stigma associated with HIV/AIDS.

The HIV/AIDS Prevention and Awareness Rally conducted by the cadets of 1 HP BN NCC Solan was a dynamic and impactful event that included several key activities designed to educate and engage the community.

The rally began at the town square near the university on a sunny Sunday morning and ended at the university Gate, with participants carrying banners and placards bearing powerful messages on HIV/AIDS prevention and support. Along the route, cadets performed street plays and delivered public addresses to debunk myths, explain modes of transmission, and promote preventive measures. Informational pamphlets were distributed to the public, providing essential details on HIV testing and care. The campaign successfully raised awareness, fostered community support, and highlighted the importance of combating stigma and discrimination against those living with HIV/AIDS.

Slogans with powerful important social messages were being chanted by the enthusiastic cadets which further alerted the public and passer-bys

The HIV/AIDS prevention and awareness campaign not only educated the public on critical health issues but also fostered a supportive environment for those affected by HIV/AIDS. Continued efforts and similar initiatives are essential to sustain and build on the progress made in the fight against HIV/AIDS and the cadets of Jaypee University helped in this initiative by contributing in spreading awareness to the various social causes.

Change depends not on a moment but on a movement.

Jai Hind



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“DONATION DRIVE” - “CARING HEARTS, CHANGING LIVES”

On 30th September 2023, the Omega Leo JUIT and Gender Champions Club JUIT, Wagnaghat organized a “**Donation Drive**” under the guidance and supervision of Dr. Hemant Sood and Mr Chandrapal Gautam(Faculty Coordinator Leo Club JUIT). On 23rd August 2023, essential articles for donation were collected at the Open Cafeteria from 2 to 8 pm which included items like wearable clothes, shoes, and packed food articles, which could be useful for needy families. The Omega Leo team and GCC team of JUIT carried out the collections of articles and distributed them to the needy people in the slums of Slogra and Chambaghat of Solan. JUIT administration is deeply acknowledged for providing all support for this noble cause.



Donated articles at JUIT



Donation of articles





UNNAT BHARAT ABHYIAN



Jaypee University of Information Technology Waknaghat, Solan, Himachal Pradesh 173234

Date: 01/11/2023 -03/11/2023

VOCAL FOR LOCAL 2.0

Organized by the Unnat Bharat Abhiyan (UBA) team of Jaypee University of Information Technology (JUIT), "Vocal for Local 2.0" was a heartwarming three-day pre-Diwali event held on the JUIT campus from November 1, 2023, to November 3, 2023. The event was designed to honor and promote local craftsmanship, featuring the Mahila Pradhan and her dedicated team who showcased their remarkable skills. They set up stalls that featured handmade candles, dhoopbatti, and beautifully crafted diyas, creating an atmosphere of festive celebration and cultural appreciation. This event not only embraced the spirit of Diwali but also aimed to preserve and promote the rich cultural heritage and artistry of the local artisans.

The showcased products, including intricately designed diyas, aromatic dhoopbatti, and fragrant candles, received an overwhelming response from both the JUIT community and visitors. "Vocal for Local 2.0" highlighted the power of local initiatives, empowered by UBA, and demonstrated the potential for self-sufficiency within communities. As Diwali drew nearer, these handmade creations not only added a traditional touch to the celebrations but also provided an opportunity for individuals to contribute to the community's growth, making JUIT campus a beacon of creativity and tradition.



Faculty Coordinator: Dr. Gopal Singh Bisht

Faculty Co-Coordinator: Dr. Saurav

Dr. Gopal Singh Bisht
DR. GOPAL SINGH BISHT
 Associate Professor & UBA Coordinator
 Jaypee University Of Information Technology
 Waknaghat, Distt. Solan, P-173234, India
 Off Ph. No. 0173-2333333
 Email: gopal.singh@juit.ac.in

Vocal for Local 2.0": JUIT Celebrates Diwali with Local Artistry

crazynewsindia 1 hour ago

Last updated: 2023/11/05 at 5:40 PM

SOLAN Organized by JUIT Unnat Bharat Abhiyan (UBA) team, "Vocal for Local 2.0" was a heartwarming pre-Diwali event held from November 1 to November 3, 2023. The three-day celebration honored local craftsmanship, with the Mahila Pradhan and her team showcasing handmade candles, dhoopbatti, and beautifully crafted diyas. The event aimed to preserve and promote local artisans' rich cultural heritage.

The showcased products, including intricately designed diyas, aromatic dhoopbatti, and fragrant candles, received an overwhelming response from the JUIT community and visitors. "Vocal for Local 2.0" highlighted the power of local initiatives, demonstrating the potential for self-sufficiency within communities. As Diwali approached, these handmade creations added a traditional touch to the celebrations and allowed individuals to contribute to community growth, making JUIT campus a beacon of creativity and tradition. This event showcases the strength of local traditions and the spirit of Diwali.

JUIT's 'Vocal for Local 2.0' Illuminates Diwali with Local Artistry

54 mins ago admin (https://himachaltonite.com/author/admin/)



DR. GOPAL SINGH BISHT
Associate Professor & UBA Coordinator
JUIT, University of Information Technology
Naknaghat, Dist. Solan H.P.-173234, India
Off. Ph. No. 01792-251720
Email: gopal.singh@juit.ac.in

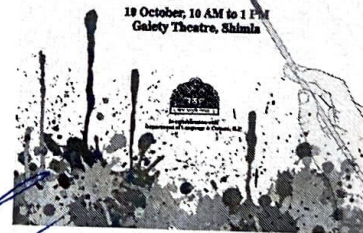
SOLAN, Nov 5: From November 1 to November 3, 2023, JUIT Unnat Bharat Abhiyan (UBA) hosted "Vocal for Local 2.0," a heartwarming pre-Diwali celebration. This three-day event shone a spotlight on local craftsmanship, with the Mahila Pradhan and her team presenting handmade candles, dhoopbatti, and beautifully crafted diyas. The event's main aim was to preserve and promote the rich cultural heritage of local artisans.

HC Rai
Centenary ArtFest

October 18 to 22, 2023

Children's Art Workshop
& Competition

19 October, 10 AM to 1 PM
Gaiety Theatre, Shimla



(https://himachaltonite.com/wp-content/uploads/2023/08/ezgif.com-optimize-1.gif)



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Donation Drive Report

Organized by: Koshish Club, JYC

Venue: Dist. Solan

Event Date: 5th May, 2024

1. Introduction

Following the success of the “Colors of Giving” donation drive in March 2024, the Koshish Club organized a Donation Drive on 5th May, 2024. This event aimed to distribute the donations collected during the initial drive to the underprivileged communities in and around the Solan district. The primary objective was to directly reach out to the beneficiaries, ensuring that the items and support provided had a direct and positive impact on their lives.

2. Objectives

The Donation Drive was organized with the following objectives:

- To distribute the items and funds collected during “Colors of Giving” to children and families in need.
- To bring a sense of joy and support to underprivileged communities by providing them with essential resources.
- To foster a culture of social responsibility and active involvement within the university community.

3. Event Execution

The distribution of donations took place in various slum areas of District Solan. The items collected included stationery, clothes, and essential supplies, which were sorted and packaged by the volunteers prior to the event. Monetary funds were utilized to purchase additional resources and gifts for the children, ensuring that the donations made during “Colors of Giving” were put to the best possible use.

4. Impact and Outreach



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The Donation Drive had a significant impact on the lives of numerous individuals and families in the community. By personally delivering the items, the volunteers were able to witness firsthand the joy and gratitude of the recipients. This interaction not only highlighted the importance of giving but also deepened the sense of empathy and compassion among the students and faculty involved.

5. Acknowledgements

The success of the Donation Drive was made possible by the selfless efforts of the Koshish Club members, faculty coordinators **Dr. Shikha Mittal** and **Dr. Raj Kumar**, and the enthusiastic volunteers. Their dedication and hard work ensured that the event was carried out seamlessly, making a meaningful difference in the lives of the beneficiaries.

6. Conclusion

The Donation Drive served as an extension of the “Colors of Giving” initiative, effectively channeling the contributions and efforts of the university community towards those in need. It stands as a testament to the power of collective kindness and the positive impact that a united community can have on society.

In the end, the Donation Drive not only fulfilled its purpose of providing aid and support but also fostered a spirit of empathy and social responsibility within everyone involved.

7.Event Highlights



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koshish





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koishish



Evidence against indicator 4.3.4

Metric and indicator	Metric / Indicator	Comments/Data	Yes/No	Evidence 1	Public (Yes/No)
4.3.4	Education outreach activities beyond campus Undertake educational outreach activities (e.g. tailored lectures or demonstrations) beyond campus – in local schools, in the community. This can include voluntary student-run schemes.	Various outreach and counselling activities are conducted beyond the campus on regular basis. MoUs are also generated for making academic collaboration leading to excellence.	Yes		
	Ad hoc		No	Link SDG	Yes
	On programmed basis		Yes		

<https://www.juit.ac.in/SDG>

Jaypee University of Information Technology (JUIT) Waknaghat, Solan

School Outreach Activity and Career Counseling Programme

At Kullu area, H.P.

(05 to 08 November, 2023)



List of Schools covered:

1. Ambition Classes Sr. Sec. School, Mohal, Kullu
2. DAV School, Mohal
3. Aagmik Public Sr. Sec. School, Mohal
4. Kullu Valley School, Ramshila, Kullu
5. Kullu Science School, Bassing
6. Cambridge International School, Mohal
7. Arunodaya Public Sr. Sec. School, Mohal

The outcome of the activity:

1. Informal feedback from participants in this activity has been very positive. For the activity; the responding students indicated that they had a better understanding of science and engineering and had an increased interest in looking up more information on their own.
2. The students responded that participating in the activity increased their interest in studying science such as biotechnology, bioinformatics, electronics and communication engineering and becoming scientists and engineers in the respective fields.
3. Overall, the student's as well as teacher's responses were very positive for the activity.

Outreach Activities

Sr. No	Department Faculty	Venue of Outreach Activity	Date
1	Dr. Ashish Kumar (https://www.juit.ac.in/departments/civil/A.3.%20Visit%20to%20Sundarnagar%20Schools.pdf)	DAV Public School, Sundarnagar The Phonex School, Mandi Dept. of Civil Engg., Government Polytechnic Sundarnagar	October 11, 2022
2	Dr. Sugandha Singh (https://www.juit.ac.in/departments/civil/A.4.%20Montfort%20Senior%20Secondary%20School,%20Roorkee.pdf)	Montfort Senior Secondary School, Roorkee	October 29–31, 2022
3	Mr. Akash Bhardwaj (https://www.juit.ac.in/departments/civil/A.5.%20Govt.%20Senior%20Secondary%20School%20Bijhari,%20Hamirpur.pdf)	Govt. Senior Secondary School Bijhari, Hamirpur	February 2, 2023
4	Dr. Saurav Mr. Akash Bhardwaj (https://www.juit.ac.in/departments/civil/A.6.%20Government%20Polytechnic%20College%20Seobagh,%20Kullu.pdf)	Government Polytechnic College Seobagh, Kullu	April 25, 2023
5	Mr. Akash Bhardwaj (https://www.juit.ac.in/departments/civil/A.7.%20Government%20Senior%20Secondary%20School,%20Chail.pdf)	Government Senior Secondary School, Chail	May 24, 2023
6	Dr. Ashish Kumar Dr. Amardeep (https://www.juit.ac.in/departments/civil/A.8.%20State%20Institute%20of%20Engineering%20&%20Technology,%20Nilokheri.pdf)	State Institute of Engineering & Technology, Nilokheri	May 30, 2023

One Day Workshop on Biotechnological Techniques

Organized by: Department of Biotechnology and Bioinformatics, Jaypee University of Information Technology Waknaghat

Organized at: Department of Biotechnology, Khalsa College, Patiala

Date: 02 May 2023

No. of Participants: 30 (B.Sc. Biotechnology Students)

Resource Persons:

1. Dr. Rahul Shrivastava, Associate Professor
2. Dr. Saurabh Bansal, Associate Professor
3. Mr. Baleshwar, Technical Staff

Department of Biotechnology and Bioinformatics Jaypee University Technology Waknaghat, Solan organized a one day workshop on “Biotechnological Techniques” at Khalsa College, Patiala on 02 May, 2023.

The main objective of the workshop was to make B.Sc. Biotechnology Students aware of Biotechnological Techniques and to showcase the strength of Jaypee University in this area. Dr Rahul Shrivastava from JUIT and Dr. Nipunjot Kaur from Khalsa College, Patiala coordinated the workshop. The workshop started with the welcome and introduction session. This was then followed by practical-cum demonstration sessions on different modules of the workshop. Various Biotechnology techniques including, SDS-PAGE, Rocket immune electrophoresis and restriction digestions were demonstrated jointly by the faculty members, Dr. Rahul Shrivastava and Dr. Saurabh bansal and the technical staff Mr. Baleshwar.





Report of the outreach program for MSc Physics course

Summary

Date: 24.04.2023

Place: Shree Guru Gobind Singh Ji Government College, Paonta Sahib, H.P.

Time: 12:30 PM to 13.30 PM



On behalf of the PMS department of JUIT, I visited the college “Shree Guru Gobind Singh Ji Government College Paonta Sahib” affiliated to Himachal Pradesh University Shimla for the outreach program to introduce new course MSc in Physics on 24th April 2023. The college is located at Paonta Sahib in Himachal Pradesh almost 124 km from Solan. The duration of the program was for one hour from 12.30 PM to 13.30 PM. The event was divided into two sections involving 30 minutes talk followed by 30 minutes interactive session with the students.

The PMS department specifically chose the 24th April 2023 for the program due to that reason that it was the last day of BSc final year examination for BSc Physics students. The department, in advanced, contacted Dr. Mandeep Singh, a faculty of the Physics department of SGGSJ govt. college for arranging a meeting with the BSc final year students of the college after the end of the examination. Dr. Mandeep Singh already made arrangement for the program by gathering many students after the examination in a hall in the college. It was really nice experience meeting with him and the interested students.

Details of the event

1. Talk

An interactive session with the students spanning nearly for an hour was conducted. The idea was to take the students through a journey of the PMS department of JUIT. In the presentation, I pointed out the positive academic environment of JUIT campus along with the location in the heart of tranquil natural beauty and serene weather in Himachal Pradesh. I introduced the solid infrastructure of JUIT. Then I



introduced the faculties of the PMS department and their research areas to draw their attention towards the intended research based education for the MSc Physics course of JUIT. The number of international publications with the citations of each faculty member were also demonstrated to them. As I knew that they were BSc students I made the definitions of journal publication and citation clear to them. Then I also demonstrated them by picture the research labs of PMS department along with facilities and project fund details. I highlighted that fact that being MSc students of the PMS department of JUIT a special care would be taken for them to get success in the CSIR-UGC NET as well as interested students would be offered PhD programme in PMS department. I ended my talk with an important piece of information and that was fees per semester and I positively informed them about lowest fee per semester for MSc Physics in JUIT compared to the other universities.

2. Interaction session

At the end of the talk, I interacted with each student, in the room, individually to enquire about their interest in higher education and they replied positively. I requested them also to share the picture of the pamphlet on the student groups to spread the news of the MSc Physics course of JUIT and other details they came to know on that day from my talk. Many of the students from different subjects also enquired about the course structure of MSc Physics. All in one, it was very positive experience.

One day Teachers Training Program – RKMV, Shimla

Dr. Sudhir Kumar – as one of the resource person delivered a talk in a One-day training program (06 May 2023) for teachers of RKMV, Shimla, Govt. Colleges of Sanjuli, Theog and Chahal. The event was organized by IQAC of RKMV by Dr. Anil Thakur and Principal Dr. Ruchi Ramesh.

Dr. Sudhir shared the ways and means to increase Joy in Teaching. The attributes of good and great teachers were highlighted and discussed. The other speakers also shared their views on the subject matter.



Rajkiya Kanya Mahavidyalaya, Shimla (H.P.)

IQAC is organising

One Day Training Program on Quality Teaching & Research: What, Why & How?

On May 6, 2023 (Saturday)

Offline & Online mode (Platform: Google Meet)

Resource Persons:



Dr. Wamik Azmi
Prof. & Chairman, Dept of
Biotech, HPU, Shimla



Dr. Sudhir Kumar Syal
Prof. & Head, Biotech. & BI, JUIT,
Solon



Dr. Abhijit Dey
Presidency University,
Kolkatta

Organizing Committee:

Dr. Ruchi Ramesh
Principal & Patron
Dr. Madan Mankotia
Convenor

Dr. Anil Kumar Thakur
Coordinator, IQAC
Ms. Geeta Sharma
Co-Convenor

RESOURCE PERSONS

Dr. Wamik Azmi

Did his Ph. D. in Biotechnology from IMTECH, Chandigarh and M. Tech. in Biochemical Engineering from Institute of Technology, Varanasi. Has rendered his services in the field of industry also and is keenly interested in academics. Presently Professor and Chairman, Department of Biotechnology, Himachal Pradesh University, Shimla. He has 21 Years of experience in Research and teaching and has guided more than 23 Ph.D. scholars.

Total Publications = 89; Citations = 2058; H-index = 15; i10 index = 21

Dr. Sudhir Kumar Syal

Works in the area of Environmental Biotechnology. Did Ph.D. in Biotechnology from Thapar University, Patiala, Post doctoral from Department of Chemical and Biological Engineering, South Dakota School of Mines and Technology, USA. His research work is in the area of Bioremediation, Biogas production from food and agricultural waste, Biobriquetting from agricultural waste, Environmental Pollution and Bioleaching of precious metals like gold, silver from e-waste and assessing the impact of e-waste on human health and environment.

Total Publications = more than 100; Citations = 1389; H-index = 17; i10 index = 25; Projects completed: 7 (1.20 Crores)

Dr. Abhijit Dey

Did his Ph.D from Presidency University, Kolkatta. Was awarded the prestigious Prof. H. L. Chakraborty memorial award and Dr. P. D. Sethi Memorial Award. He is Fellow of the Linnean Society, London. Was included among the World Ranking of Top 2% Scientists in 2021 and 2022 database created by experts at Stanford University, USA. Is on the Editorial board of many world class journals - BMC Complementary Medicine and Therapies (Springer Nature), Frontiers in Pharmacology; Frontiers for Young Minds

Total publications: 396; Citations = 7338; H-index = 42; i10 index = 171 Total impact factor: 1351



SCHEDULE

Date: May 6, 2023 (Saturday)

- ❖ 10:30AM: Registration
- ❖ 11:00 AM: Inauguration and Welcome by the Principal
- ❖ 11:10 AM: Introduction about the Training
- ❖ 11:20-12:00 Joy of Teaching
by Prof. Sudhir Syal
- ❖ 12:00-12:40PM: Effective Project Writing and Research Funding
by Prof. Wamik Azmi
- ❖ 12:40-1:20PM: Quality Research: What, Why and How ?
by Dr. Abhijit Dey
- ❖ 1:20 : Observations of the training Programme
- ❖ 1:30 : Vote of Thanks

प्राध्यापन को प्रभावशाली बनाने के बताए दस सूत्र

कन्या महाविद्यालय में गुणवत्ता शिक्षण और अनुसंधान पर हुई कार्यशाला

संवाद न्यूज एजेंसी

शिमला। राजकीय कन्या महाविद्यालय शिमला में शनिवार को गुणवत्ता शिक्षण और अनुसंधान पर आधारित एक दिवसीय कार्यशाला का आयोजन हुआ। इसमें राजकीय महाविद्यालय चौड़ा मैदान, ठियोग, राजकीय महाविद्यालय संजौली, राजकीय महाविद्यालय कोटी (चायल) के 75 अध्यापक शामिल रहे।

इसमें प्रथम वक्ता जेपी विश्वविद्यालय वाकनाघाट के प्रोफेसर डॉ. सुधीर स्याल रहे। उन्होंने जॉय ऑफ टीचिंग पर विचार रखे। वहीं प्राध्यापन को प्रभावशाली बनाने के लिए दस सूत्रों से अवगत करवाया। दूसरे वक्ता



बायोटेक्नोलॉजी विभाग हिमाचल प्रदेश विश्वविद्यालय शिमला से प्रोफेसर डॉ. विमक अजमी मौजूद रहे। इन्होंने प्रोजेक्ट फॉर्म्युलेशन और रिसर्च फंडिंग के बारे में बताया। कार्यशाला के तीसरे वक्ता प्रेसीडेंसी यूनिवर्सिटी कोलकाता से डॉ. अभिजीत ने गुणवत्ता अनुसंधान पर विचार रखे। महाविद्यालय की प्राचार्या डॉ. रुचि रमेश ने कहा कि शिक्षण एक प्रदर्शन है। कक्षा एक चलचित्र के समान है। इसमें

प्राध्यापक और विद्यार्थी मुख्य भूमिका निभाते हैं। कहा कि शिक्षकों को प्राध्यापन को निखारने के लिए हर संभव प्रयास करने चाहिए। राजेश आजाद ने मंच संचालन किया। डॉ. मदन मनकोटिया ने धन्यवाद प्रस्ताव पारित किया। यह कार्यक्रम आईक्यूएसी कोआर्डिनेटर डॉ. अनिल ठाकुर के निर्देशन में हुआ। इस मौके पर गीता शर्मा, प्रदीप ठाकुर, डॉ. रक्षा कारटा, डॉ. निष्ठा मुख्य रूप से मौजूद रहीं।

आरकेएमवी शिमला में आईक्यूएसी ने क्वालिटी टीचिंग एंड रिसर्च ; व्हाट, व्हाई एंड हाउ पर एक दिवसीय कार्यशाला आयोजित की



दैनिक आवाज जनादेश/
शिमला /
न्यूज हैड सी०चीला नेगी

राजकीय कन्या महाविद्यालय शिमला में दिनांक 6 मई 2023 को आईक्यूएसी द्वारा एक दिवसीय कार्यशाला का आयोजन किया गया। यह कार्यशाला क्वालिटी टीचिंग एंड रिसर्च ; व्हाट, व्हाई एंड हाउ पर आधारित थी। कार्यशाला में महाविद्यालय के सभी प्राध्यापक वर्ग के साथ-साथ राजकीय महाविद्यालय चौड़ा मैदान, राजकीय महाविद्यालय थियोग, राजकीय महाविद्यालय संजौली, राजकीय महाविद्यालय कोठी (चायल) के प्राध्यापकों ने भी भाग लिया। यह कार्यशाला ऑफलाइन और ऑनलाइन मोड द्वारा करवाई गई। इस कार्यशाला में प्रथम वक्ता के रूप

में डॉ सुधीर कुमार स्याल जोकि जेपी यूनिवर्सिटी वाकणाघाट में बायोटेक विभाग के प्रोफेसर और हेड है ने "जॉय ऑफ टीचिंग" पर अपना वक्तव्य प्रस्तुत किया। उन्होंने पर प्रध्यापन को प्रभावशाली बनाने के लिए 10 सूत्रों का जिक्र किया साथ ही शिक्षकों को उनके शिक्षक होने का बोध कराते हुए अपने प्रध्यापन को पूरी निष्ठा से निभाने पर बल दिया। उन्होंने "रोल ऑफ स्ट्रेस इन टीचिंग" पर भी चर्चा की। कार्यशाला में दूसरे वक्ता के रूप में डॉ वामिक आजमी प्रोफेसर एंड हेड, डिपार्टमेंट ऑफ बायो टेक्नोलॉजी हिमाचल प्रदेश विश्वविद्यालय शिमला रहे। उनकी प्रस्तुति का विषय था "प्रोजेक्ट फॉर्मूलेशन एंड रिसर्च फंडिंग" शोध के क्षेत्रों में विभिन्न एजेंसियों द्वारा वित्तीय



मदद प्रदान करने पर विस्तृत व्याख्यान दिया। इसके अंतर्गत उन्होंने प्रमुखतः सीएसआईआर, एआईसीटीई, यूजीई, डीआरडीओ, डीएसी, डीएसटी, आईएसआरक्यू, मिनिस्ट्री ऑफ आयुष आदि के बारे में विशेष जानकारी दी। साथ ही उन्होंने शोध क्षेत्र में महिलाओं के लिए वित्तीय मदद प्रदान करने वाली कुछ एजेंसियों जैसे डीएसआई, डीबीटी, केआईआरएन (आईपीआर) विज्ञान ज्योति आदि पर विस्तृत प्रकाश डाला। उन्होंने शोध परियोजना (प्रोजेक्ट रिपोर्ट) बनाने से संबंधित जानकारियां प्रदान की। कार्यशाला में तीसरे प्रमुख वक्ता के रूप में डॉ अभिजीत डे प्रेसीडेंसी यूनिवर्सिटी कोलकाता रहे उन्होंने "क्वालिटी रिसर्च: व्हाट, व्हाई एंड हाउ" विषय पर व्याख्यान प्रस्तुत किया। उन्होंने

यूजीसी केयरलिस्ट ओर एससीओपीयूएस पर जानकारी दी। महाविद्यालय की प्राचार्य डॉ रुचि रमेश ने सभी पधारे अतिथियों का स्वागत किया और प्रमुख वक्ताओं का आभार व्यक्त किया उन्होंने अपने वक्तव्य में कहा "टीचिंग इज ए परफॉर्मेंस" कक्षा एक चलचित्र के समान है जिसमें प्रध्यापक और विद्यार्थी प्रमुख भूमिका निभाते हैं। हमें अपने प्रध्यापन को निखारने के लिए हर संभव प्रयास करने चाहिए। डॉ मदन मनकोटिया द्वारा धन्यवाद प्रस्ताव प्रस्तुत किया गया। यह कार्यक्रम आईक्यूएसी कोऑर्डिनेटर डॉ अनिल ठाकुर के निर्देशन में हुआ। आईक्यूएसी टीम के सदस्यों में गीता शर्मा, प्रदीप ठाकुर, डॉ रक्षा काल्टा, डॉ निष्ठा का योगदान सराहनीय रहा।

Outreach activity

Destination: Dr. Y.S Parman Government Post Graduate College, Nahan, Himachal Pradesh.

Resource person: Dr. Surajit Kumar Hazra, Dept of PMS, JUIT Waknaghat

Purpose of visit: M.Sc Physics

Date of Visit: 24 April 2023

Time period: 11:00 am – 2:00 pm

Report: The principal Madam, **Dr Veena Rathore**, permitted the interaction with the final year B.Sc students under the supervision of Physics faculty, **Ms Richa** in one of the classrooms. Approximately 30 students attended this interaction. The students were elaborately told about JUIT, Dept of PMS and its forthcoming M.Sc Physics program. The admission procedure, along with the scope/opportunities for the M.Sc graduates were elaborately discussed with the students. Hard posters were displayed in their notice boards with the permission of Principal Madam. A visit to the Dept of Physics was also completed during that time. The final year students were very keen to know whether any financial support will be provided to the students joining the M.Sc Physics program at JUIT?



Figure-1: A view of the Post Graduate College



Figure-2: During interaction with the students



Figure-3: Question/answer session

Report

Practical Sessions in Computer Science and Electronics Communication Engineering Techniques for Students of Govt. Polytechnic Sundernagar



**Jaypee University of Information Technology, Waknaghat
(24 March. 2023)**

Jaypee University of Information Technology, Waknaghat organized a “Practical Sessions in Computer Science and Electronics Communication Engineering Techniques” for the students of Govt. Polytechnic Sundernagar at JUIT on 24th March. Dr Hemant Sood, Associate Prof.(BT&BI) gave an overview to the students about JUIT and motivated them for future avenues available at JUIT for career advancements. Under the signed MoU with Govt. Polytechnic Sundernagar the students of CSE (~41 no.) of 6th semester attended the Practical sessions conducted by Dr. Ekta Gandotra, Dr. Harsh Sohal, Dr. Salman Raju and Dr. Vikas Baghel along with their respective lab staff. Prof. Vivek Sehgal HoD(CSE&IT) provided insight about the Department of CSE and IT to the students and details about courses offered by the Department.

Vice chancellor Prof. R.K.Sharma took the interactive session with students and oriented them for Machine Learning, Data Structures and AI based knowledge for their holistic growth. Dr. Hemant Sood extended her acknowledgements and gratitude to the JUIT administration, Principal GPS, HoD Computer Engineering Mr DR Bodh. Neeraj Uppal ji, Faculties from GPS Kumari Neena, Mr Hemraj, students of B. Tech. Biotechnology (Ragini Mishra and Swetam) and committee members Dr. Ekta Gandotra, Dr. Harsh Sohal and lab staff for the smooth conduct of the sessions.

The details of news coverage, time schedule and pictures of the sessions are below mentioned.

[Practical Sessions@JUIT-Himachal Tonite](#)

[Practical Sessions@JUIT-CNI](#)

**Schedule of Practical Sessions in Computer Science and Electronics Communication Engineering Techniques” for Students of
Govt. Polytechnic Sundernagar at JUIT (24th March. 2023)**

Convener of the workshop : Dr Hemant Sood

Co-conveners : Dr Ekta and Dr Harsh

Date & Time 17.03.2023	Resource Person	Event details
11:00 AM	Dr Hemant Sood Associate Prof.(BT&BI) Chairperson	Overview about JUIT and Workshop Address by VC sir (Prof. Rajendra Kumar Sharma)
11:30-12:45 PM	Dr. Ekta Assistant Prof. (SG) (CSE) Member	Orientation and demonstration of latest applications of Computer Science and specialized domains of engineering
1:00- 2:00PM	Lunch Break	
2:00-3:00 PM	Dr. Harsh Sohal Assistant Prof. (SG)(ECE) Member	Orientation and demonstration of applications of ECE in present times
3:00-PM & 3:15 PM	Feedback from the participants and Departure	





Report

One Day Workshop on Practices of Engineering Techniques for Government Polytechnic for Woman Kandaghat (H.P.)



**Jaypee University of Information Technology, Waknaghat
(17 March. 2023)**

Dr. Hemant Sood, Associate Professor (BT &BI) organized a “One Day Workshop on Practices of Engineering Techniques” for Students of GPW, Kandaghat on 17th March 2023 along with her committee members Dr. Ekta, Assistant Professor, Senior Grade in Computer Science Engineering, Dr. Harsh Sohal, Assistant Professor, Senior Grade, ECE and Dr. Saurav Kumar, Assistant Professor, Senior Grade, CE. Under the signed MoU with Govt. Polytechnic for Women(GPW), Kandaghat the students of CSE and ECE (~64 no.) attended the workshop and learned different engineering techniques of Computer Sciences, Electronic& Communication Engineering, and Civil Engineering via lab demonstrations. On the basis of feedback submitted by students, demonstrations of advance Computational tools and demonstrations of hardware and software by Mr Ashok and Mr Mohan in the CSE& IT Lab, Robotic and layouts of electronic circuits in the ECE Lab by Dr Vikas, Dr Salman along with Mrs Jyotsana, and Geotech and Hydraulics Labs of CE lab by Mr Amar and Mr Jaswinder were highly appreciated. Faculties from GPW, Ms. Swati and Mr. Hitesh, and Lab attendant Mr. Chain

Singh have accompanied the students and provided all necessary support. Dr. Hemant Sood extended her acknowledgments to the JUIT administration, Principal GPW, Kandaghat, Faculties, Staff and students of M.Sc. Biotechnology (Parul and Yatsi) for the smooth conduct of the workshop.

The details of news coverage, time schedule and pictures of the sessions are below mentioned.

[Workshop on Practices of Engineering Techniques CNI](#)

[Workshop on Practices of Engineering Techniques Himchal Tonite](#)

Schedule of One Day Workshop on Practices of Engineering Techniques for GPW at JUIT (17 March. 2023)

Convener of the workshop : Dr Hemant Sood

Co-conveners : Dr Ekta, Dr Harsh and Dr Saurav

Date & Time 17.03.2023	Resource Person	Event details
10.00 AM	Dr Hemant Sood Associate Prof.(BT&BI) Chairperson	Overview about JUIT and Workshop Address by VC sir (Prof. Rajendra Kumar Sharma)
10.30-11:30 AM Group 1	Dr. Ekta Assistant Prof. (SG) (CSE) Member	Orientation and demonstration of applications of Computer engineering
10.30-11:30 AM Group2	Dr. Harsh Sohal Assistant Prof. (SG)(ECE) Member	Orientation and demonstration of applications of ECE in present times Determine the permeability of magnetic materials by plotting B.H.Curve
11.30-12:30 Group 2	Dr. Ekta Assistant Prof. (SG) (CSE) Member	Orientation and demonstration of applications of Computer engineering
11.30-12:30 Group1	Dr. Harsh Sohal Assistant Prof. (SG)(ECE) Member	Orientation and demonstration of applications of ECE in present times Practical demonstration :Determine the permeability of magnetic materials by plotting B.H.Curve
1:00- 2:00PM	Lunch Break	
2:00-3:00PM Group1 & 2	Dr Saurav Assistant Prof. (SG)(CE) Member	Orientation with applications of Civil engineering in present scenario Practical demonstration: 1.Study forces in various members of Jib Crane. 2. Determine support reactions for simply supported beam
3:00-PM & 3:30 PM	Feedback from the participants and Departure	

Glimpses of the event :



Career counselling at Govt. Polytechnic for Woman Kandaghat, Distt. Solan, Himachal Pradesh, March 14, 2023.

A career counselling session was organised at Govt. Polytechnic for Woman Kandaghat, Distt. Solan, Himachal Pradesh, March 14, 2023. The program was conceptualized by DC Solan and was organized by HPKVN team along with GPW Kandaghat. Nearly 200 diploma students of 1st, 2nd and 3rd year of ECE, Computer Science and Pharmacy participated.

Chief Guest Prof. R. K. Sharma, Vice Chancellor Jaypee University graced the occasion with words of wisdom. Prof. Sharma emphasized on the need and importance of focus in the era of distractions and multitasking. He shared with the audience that in the coming age of artificial intelligence the ones who can stay focused might stay relevant. Dr. Harsh Sohal and Mr. Chandrapal counseled the students about the ever increasing importance of higher education in the knowledge societies of the future. Students were made aware of various courses being offered by Jaypee University of Information Technology Wanknaghat while highlighting the prestigious placement records of previous years. They advised the students to make an informed decision while choosing higher education institution.

We would like to thank DC Solan for organizing the event. We would also like to extend our heartfelt gratitude to the Principal Govt. Polytechnic for Woman Kandaghat, Solan, HOD ECE Department and faculty and staff members for the reception, support and felicitations extended to the Jaypee University team in this program.







VISIT TO PINE GROVE SCHOOL, SUBATHU

Prof. Sudhir Kumar was invited as a resource person in Teachers' Training Programme of Pine Grove School Subathu, Solan on 15Feb, 2023. He was having a session on 'Joy of Teaching'. The session was an interactive one followed by discussion with school teachers. The session included the ways and means to improve teaching, to inculcate creativity, aims of teaching, skills, students'-teacher relationship. The various teaching methodologies based on creativity, freedom and opportunities to students were discussed. Prof. Sudhir Kumar thanked Cap. A.J. Singh and School principal Mr. Pankaj Sharma along with other school staff for invitation.

INDUSTRIAL VISIT

BHARAT SANCHAR NIGAM LIMITED

HP TELECOM CIRCLE (BSNL) Solan, Himachal Pradesh

on

February 04, 2023

The Department of Electronics and Communication Engineering (ECE), Jaypee University of Information Technology Wknaghat (JUIT-W) has organized student's industrial visit to **BHARAT SANCHAR NIGAM LIMITED: HP TELECOM CIRCLE (BSNL) Solan, Himachal Pradesh** on 4th February 2023. There were 26 students from semester IV and VI along with 3 faculty members and 1 technical staff participated in this visit.

This visit has been organized under the MoU between the two organizations which was coordinated by Dr. Nafis Uddin Khan, Dr. Shweta Pandit and Dr. Alok Kumar under the guidance of Head of the Department - ECE Prof. Rajiv Kumar. The main objective of this visit is to strengthen the technical knowledge and industrial experience of the students in mobile and telecommunication engineering field. In this visit, the students from our Department have undergone through real time working and environment of BSNL and interacted with the technical staff and BSNL professionals. I am sure this visit would surely help the students for internship and job career opportunities.







भारत संचार निगम लिमिटेड
(भारत सरकार का उपक्रम)
BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)

O/o DE (INDOOR) TELEPHONE EXCHANGE SOLAN


CERTIFICATE

This is to certify that a team of 30 students and faculty members from Department of Electronics and Communication Engineering, Jaypee University of Information Technology, Wagnaghat have undergone the industrial visit at **BHARAT SANCHAR NIGAM LIMITED: HP TELECOM CIRCLE (BSNL) Solan, Himachal Pradesh** on **February 04, 2023** as per the company norms and regulations.

They have completed the industrial visit successfully.

Place: Solan, H. P.

Date: February 04, 2023


Divisional Engineer
BSNL Telephone Exchange
Solan (HP)-173212

Atal Bihari Vajpayee Govt Institute of Engineering and Technology (ABVGIEET), Pragatinagar, Shimla student's visit to the department of ECE, JUIT.

On 20th December 2022, a delegation of 26 students of Electronics and Communication Engineering Department of Atal Bihari Vajpayee Govt Institute of Engineering and Technology (ABVGIEET), Pragatinagar, Shimla has visited the Jaypee University of Information Technology (JUIT), Wanknaghat along with their two faculty members Ms. Vandana Thakur and Mr. Saurabh Mehta. The Electronics and Communication Engineering Department of JUIT has organized the visit under the MoU between the two institutes which was coordinated by Dr. Nafis Uddin Khan and Dr. Shweta Pandit under the guidance of HoD ECE Prof. Rajiv Kumar. The main objective of this visit is to strengthen the academic tie-up between JUIT and ABVGIEET. During this visit, students of ABVGIEET were made aware of the different lab facilities at JUIT and ECE department. They were given demonstration of different projects of IoT Lab, Mitsubishi Lab, Robotics lab and informed about different collaboration opportunities of both organizations. The students have also interacted with the B.tech 4th year and M.tech. 1st year ECE students.









A report
on Academic Institution Visit to
**Institute of Himalayan Bioresource
Technology (CSIR-IHBT) & Agriculture
University Palampur**



On 16th November 2022 by M.Sc. & B. Tech 2nd & 3rd Year
(Biotechnology-Students) Organized by Department of
Biotechnology and Bioinformatics Jaypee University of
Information Technology Waknaghat , H.P.



An academic visit was carried out to Institute of Himalayan Bioresource Technology (CSIR-IHBT) & Agriculture University Palampur on 16th November 2022 for M.Sc. and B.Tech. Biotechnology second & third year students. The purpose of the visit was to enlighten students to various research activities undertaken in the prestigious research institution, and to give students a chance to interact with scientists and scholars working on cutting-edge biotechnology research. It was also an opportunity for the students to see the latest infrastructure used in the biotechnology sector.

The institute has a mission “to discover, innovate, develop and disseminate the processes, products and technologies from Himalayan bioresources for society, industry, environment and academia”.

Dr Sudhir Kumar and Dr Jitendraa Vashistt along with 34 students visited IHBT, On reaching the institute, we were received by Dr. Ashish Rambhau Warghat (Sr. Scientist in Biotechnology Division) and Dr. Girish Nadda (Senior Scientist). Dr. Ashish addressed the students and explained major research divisions at IHBT. He majorly explained about the processes of plant cell & tissue engineering, aeroponics, hydroponic & aquaponic farming. He told us about the major researches being carried out such as formulation of Waterhyssop (Brahmi) plant in a capsule form used to improve memory, anxiety issues & various other high altitude Himalayan medicinal plants for sustainable production of secondary metabolites & production of metabolite enriched plant biomass & understanding of mechanism of nutrients towards growth & development. For e.g., *Rhodiola* a herb found at 8000 feet of Ladakh mountains. Students’ visited the media preparation room & algae culture facility learnt about the development of methods for microalgal metabolites products under the guidance of Dr. Vidyashankar Shrivatsan.

Students’ visited genetics & genomics study lab headed by Sr. Principal Scientist Dr. R.K. Sharma, where we were briefed about reversed and forward genetics along with sequencing technologies for identification of molecular markers & genome mapping in tea, Stevia & other targeted plant species of North Western Himalayan region.

There was a visit to Plant & Molecular Biology Lab & our team was introduced to next Generation sequencing instruments which they used to sequence whole genome of *Picrorhiza kurroa* along with various other equipment.

The Food lab headed by Dr. Shashi Bhushan Sr. Principal Scientist, was also visited where the main research was utilization of traditional low value local food bioresources for development of high end products of international standards (tea). Team was introduced to various instruments used for phytochemical analysis such as water activity motor, rheometer, sonicator, ashing machine & freeze dry packaging of food products.

Students got knowledge about structural bioinformatics under the guidance of Dr. Rituraj Purohit where analysis of biological systems such as 3D structure of proteins, Protein drug complex & nucleic acid were being carried out.

Molecular microbial genetics laboratory was equally interesting where students’ were introduced to various strategies such as whole genome sequencing, proteomics, genetics & bioinformatics to develop a bioprocess for the industrial use (such as bioplastics). The IHBT

team also study higher altitude microbes with major focus on the enzymes of industrial use while studying the adaptation of microbes to extreme Himalayan niches.



On 17th November 2022, the team we also visited Himachal Pradesh Krishi Vishvavidyalaya. The University imparts education in agriculture and other allied branches, furthering the advancement of learning, research and undertaking extension of such branches, especially to the rural population of Himachal Pradesh.

Dr. Chaudhary of University facilitated our visit. Dr. Parmar took the students to University Museum and introduced various equipments developed to help farmers in agriculture. Students were curious to see new type of seeds such as Maize varieties, Saffron bulbs, Barley & paddy varieties. Polyhouses visit was also knowledgeable where we saw the cultivation of cauliflower variety (Megha) , cucumber & tomato & learnt the various environmental conditions under which they grow.

Prof. Sudhir Kumar and Dr. Jitendraa Vashitt extended gratitude to the management of, IHBT & Himachal Pradesh Krishi Vishvavidyalaya for their permission and support to make this visit possible and achieving our objectives for the students. Dr. Abhishek Chaudhary arranged for all the necessary permissions required for this visit.

CRIKC-CII Exhibition cum Industry Academia Meet

Punjab University (PU), Chandigarh

on

12th November 2022

A team of the following members from Department of ECE & ECM, JUIT Solan have represented the University in **CRIKC-CII Exhibition cum Industry Academia Meet** held on 12th of November 2022 organized by Technology Enabling Centre (TEC), Punjab University (PU), Chandigarh.

1. Dr. Nafis Uddin Khan (Faculty)
2. Mr. Munish Sood (Faculty)
3. Dr. Ajay Kumar Singh (Lab Staff)
4. Mr. Dharendra Kumar Singh (Lab Staff)
5. Mukul Anand (IV Year Student)
6. Zeeshan Naseem (IV Year Student)
7. Shikhar Trivedi (IV Year Student)
8. Tushar Paul (III Year Student)
9. Ekal Sharma (III Year Student)
10. Abhishek Kumar (II Year Student)
11. Utkarsh Sharma (II Year Student)
12. Deepanshu (II Year Student)
13. Sanat Jain (II Year Student)
14. Parth Gupta (I Year Student)
15. Sambhav Thakur (I Year Student)

In this great event, the students from our Department have presented their ideas of innovation through real time working projects and interacted with industry professionals. I am sure this visit would surely help the students for entrepreneurship and internship opportunities.



The details of the projects presented in the meet are as follows:

1. Hydrohive (Mukul Anand, Zeeshan Naseem and Shikhar Trivedi (IV Year ECE))

Hydrohive is a start-up dedicated to providing good quality food crops in adequate time with almost zero percent chance of crop failure under any type of climatic condition and agricultural land. Unlike traditional methods, our method will ensure less investment, and fewer resources, and produce more healthy and nutritious yields. Agri-sector is growing in technology which helps in making traditional methods easy but, the technique we are using will change the traditional methods of farming for the betterment of the farmers as well as the Agri sector's economy. Also, common people can have their own farms at home and eat healthy homegrown crops. Hydrohive will provide system placements as well as crops. According to the need of the customer, we can provide either the whole farm placement on the land given by the customer or if the customer needs only the crops and not the farm itself then that is also possible at a fair amount. We have greatly emphasized our customer outreach so that we can cater to the maximum consumer segment. Being a cloud-based agritech startup, we are keen to improve at any point in time and with our 24/7 customer support, we can handle the slightest issue with any of our clients.



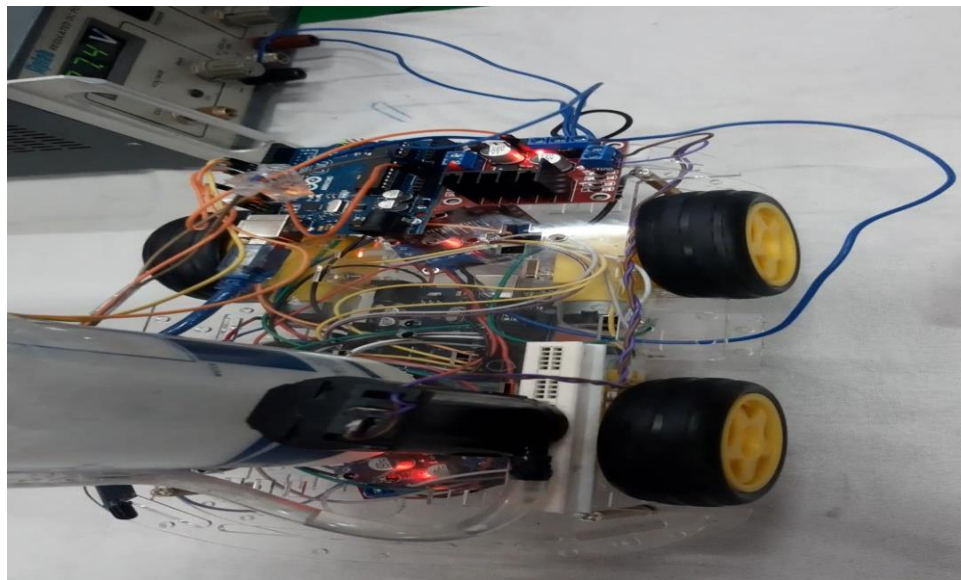
2. Landslide Prediction System (Tushar Paul and Ekal Sharma (III Year ECE))

This project is to promote disaster preparedness & to minimize the losses of lives during landslide. For the prototype model we used different sensors including the moisture sensor, vibration sensor, humidity and temperature sensor, ultra-sonic sensor, gyroscope, ESP-32 and Arduino UNO. Arduino IDE is used to get the output from the sensors. In the lab real time landslide model was created, the slopes were built at different angles to test the model multiple times. Output is then send to the Thing Speak software where it can be seen graphically and the results can be analysed & processed. All the different outputs including the soil moisture value, humidity value, vibration value, distance by ultra-sonic sensor, temperature in Celsius and Fahrenheit and acceleration values can be analysed on the laptop or mobile phones.



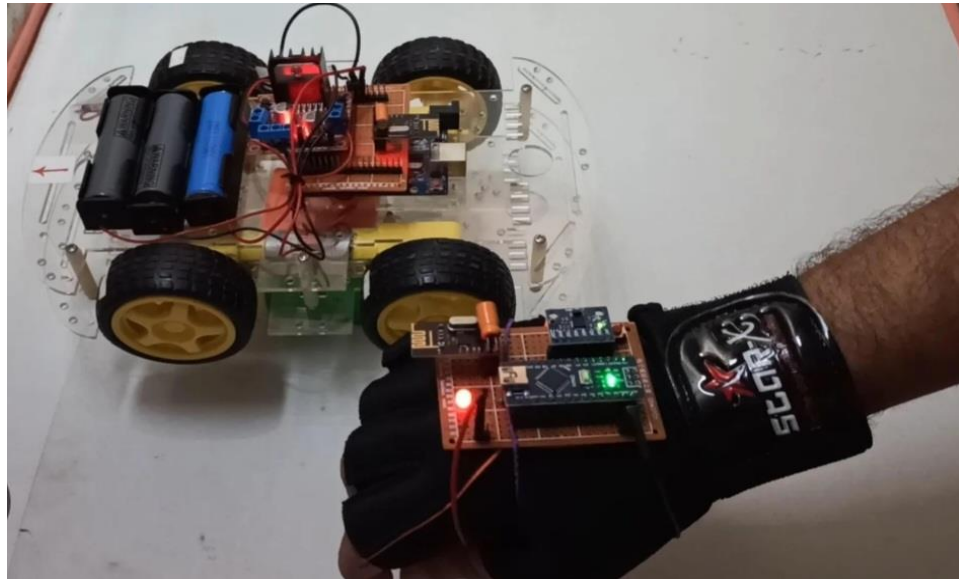
3. **Fire Fighting Robot (Abhishek Kumar, Utkarsh Sharma, Sanat Jain and Deepanshu (II Year ECE & ECM))**

The problem with the existing system is that the firefighting environment is hard to reach and, being the hilly area it make the situation even worse as it hard for Fire Truck to reach the fire scene and fight for the same. Additionally, the current methods applied in firefighting are inadequate and is heavily relying on humans who are prone to error and life thread due fire debris falling from the hills. The Proposed model will be able to solve all the problem mentioned in existing system like, ability to be deployed at fire location, detect the fire and spray the water or CO₂ accordingly. The robot will feature tank like design having spikes on its continuous track that will provide skid prevention and will make it suitable for all weather and terrain. It will also have four hydraulic arm having small wheel attach that will prevent the robot from flipping over.



4. Gesture Recognition (Parth Gupta and Sambhav Thakur (I Year ECE))

Gesture recognition can be seen as a way for computers to begin to understand human body language. Compared to the primitive user interfaces, such as keyboard and mouse, it builds a richer bridge between the computers and humans. In the project we made we used various integrated circuits and a simple microcontroller i.e. Arduino lily pad to act as a brain of computer robot. Accelerometer has also been used to get relevant data deciphering various physical movements and all to deduce and move the vehicle according to the gestures given. We made a handheld vehicle that can be integrated into just about anything and remotely control it to perform various tasks simultaneously with some integrated function too.



Key Highlights:

1. Exhibition of showcase real time working projects and technologies in front of industry people.
2. Expression of Interest (EoI) from industry for commercialization of exhibited projects and technologies.
3. Panel discussions of industry people to know R & D needs of industry.
4. Start – Up and entrepreneurship opportunities in collaboration with industries.
5. Discussions on Industry-Academic relationships for placements and employability.

A
REPORT ON
EXPERT VISIT
TO
Jaypee University of Information Technology
Waknaghat-Solan (H.P)-173234



ON 25th November 2022

ORGANIZED BY
Department of Biotechnology and Bioinformatics
JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY-
WAKNAGHAT

(JUIT -Paraxel Researcher Experience)

Expert: Profile – Ms.Neha Kapoor

Sr. Manager, Paraxel India Pvt. Ltd.

- Ms Neha Kapoor, Sr. Manager Paraxel India Pvt. Ltd- Mohali-Punjab. She has a successful and proven track record in managing the medical writing with vast experience of authoring/reviewing. She explained the same during her talk. Her work included:-Aggregate reports including but not limited to Periodic Safety Reports (PSRs) including Periodic Safety Update Reports (PSURs), Periodic Benefit-Risk Evaluation Reports (PBRERs), Addendum to Clinical Overviews (ACOs), Semi-Annual Safety Reports (SASRs), Corporate Addendum Reports States Periodic Adverse Drug Experience Reports (PADERs). Ms.Neha's talk was very interactive and students were inquisitive about phases of clinical trials of drugs and skills to be acquired to attach with Industry.
- Ms Kapoor also responsible for end-to-end signal management process (as applicable), generating Line Listings, creating drug lists/drug folders, performing regulatory submissions, tests electronic submissions gateways, tracking compliance monitoring of submissions in accordance with client/international conventions (as applicable), responsible for preparing the narratives associated with the client's/sponsor's products from clinical trials for Clinical Study Reports (CSRs) or in order to support any health authority requests in accordance with regulatory and client's/sponsor's requirements (as applicable).
- Paraxel India is among the leading clinical research organizations (CROs) working on different therapeutics areas including Oncology, Infectious Disease, Inflammation, General Medicine and providing the full range of Phase I to IV clinical development services to help life-saving treatments reach patients faster.
- Ms.Neha Kapoor visited the campus of JUIT and research facility in the department of Biotechnology and Bioinformatics she was impressed with research and study environment here.
- Ms. Kapoor interacted with faculty member, Ph.D. scholars and discussed their field of interest, he appreciated the research work carried out by faculty in the department of Biotechnology and Bioinformatics.
- Ms. Kapoor was very positive to start collaborative certificate program in Pharmacovigilance. She was very positive for paraxel –JUIT collaborative research
- We have discussed the possibility of student training/internship at Paraxel in near future.
- After meeting, Ms. Kapoor was very positive for more and more meeting or visit in JUIT in near future.



Thanks& Regards

Dr.Abhishek Chaudhary

Department of Biotechnology and Bioinformatics

Jaypee University of Information Technology

Solan-H.P

Prof. Dr.Sudhir Kumar (HOD)

Department of Biotechnology and Bioinformatics

Jaypee University of Information Technology

Solan-H.P

PG Career Counseling Programme

Atal Bihari Vajpayee Institute of Engineering and Technology, Pragatinagar, Shimla

on

July 15, 2022

An orientation and PG career counseling activity for final year B.Tech (ECE) students of Atal Bihari Vajpayee Institute of Engineering and Technology, Pragatinagar, Shimla was carried out by the Department of Electronics and Communication Engineering, Jaypee University of Information Technology, Wagnaghat on July 15, 2022. Dr. Nafis Uddin Khan and Dr. Alok Kumar visited Atal Bihari Vajpayee Institute of Engineering and Technology, Pragatinagar, Shimla for guiding the final year B.Tech (ECE) students for their future education and career plan. The scope in PG course of M. Tech (Internet of Things) and the related job perspectives have been discussed with the students.

Photographs



Lawrence Public School, Sanawar, Solan Students Visited Jaypee University of Information Technology (JUIT) to learn state-of-the-art Technologies

45 students of historical Lawrence Public School, Sanawar, Solan visited Jaypee University on 04th May, 2023. They visited various departments including Computer Science Engineering, Information Technology, Biotechnology and Bioinformatics, Civil Engineering, Electronics and Communication Engineering etc. They interacted with the faculties and lab staff and learned about various courses offered by JUIT at various levels. Three faculty members from the same school accompanied these students were, Mr. Anil Chauhan, Ms. Twinkle Kaur and Mr. Raghuvender Singh Sisodiya. This visit was coordinated by Dr. Tiratha Raj Singh along with Dr. Rahul Shrivastava from Department of Biotechnology and Bioinformatics, JUIT. Faculty members from other departments like Dr. Kushal Kanwar, Dr. Ravindara Bhatt and Dr. Vikas Baghel also interacted with the students. Dr. Vikas demonstrated the robotics and drone technologies to the students which they enjoyed with profound eagerness. Mr. Ismail Siddiqui also took students to the high end instrumentation facility of the department of BT and BI. Faculty members from various other departments helped in the overall organization of this important visit of the students. JUIT administration always encourages such kind of visits and it is anticipated that more similar visits in near future will be organized so that students must develop interest in science, engineering and technology.









Outreach Activity and Career Counseling Programme

Government Senior Secondary School Chail, H. P.

On

May 24, 2023

An outreach and career counseling activity for school students was carried out by Jaypee University of Information Technology Waknaghat on May 24, 2023. The Department of Electronics and Communication Engineering and Civil Engineering have participated in this activity. Dr. Nafis U Khan, Mr. Munish Sood and Dr. Ajay Kumar from Department of Electronics and Communication Engineering and Mr. Akash Bhardwaj from Department of Civil Engineering visited Government Senior Secondary School Chail, H. P. for guiding the students for their future education and career plan.

Photographs



One Day Workshop on ‘Molecular Biology and Biotechnological Techniques’

On 24 February 2023, a One Day Workshop was organized by Jaypee University of Information Technology, Wagnaghat, Solan (H.P.) in collaboration with Rajkiya Kanya Mahavidyalaya (RKMV) Longwood, Shimla, (H.P.) on ‘Molecular Biology and Biotechnological Techniques’. The workshop was arranged by Prof. Sudhir Kumar HoD, BT & BI, JUIT and Dr. Anil Kumar Thakur Dean (Sciences), HoD-Botany, RKMV. Dr. Jata Shankar & Dr. Rahul Shrivastava from JUIT, coordinated the entire workshop.

60 students of B.Sc. (Microbiology, Biotechnology, Zoology and Botany streams) participated in the workshop. Faculty members Dr. Rajender Prakash, Ms. Kartik S. M. Chanchan, Mr. Amit Sharma, Mr Rajesh Azad, from RKMV, Shimla accompanied the students and actively participated in the workshop. The main objective of the workshop was to educate and motivate students for exploration of different arenas in science, and provide them live demonstration and training on novel areas and topics related to Microbiology, Molecular Biology and Biotechnology.

The workshop was conducted by the resource persons from the Department of Biotechnology & Bioinformatics, JUIT, Wagnaghat. Dr. Rahul Shrivastava provided a practical demonstration of Drug Screening methods, and Biofilm Inhibition Assay used for Drug Discovery, Dr. Jata Shankar provided a live practical session on PCR and Real-Time PCR. The sessions were followed by practical session on Industrial Applications of Plant Tissue Culture by Dr. Hemant Sood, and interaction on Enzyme Technology by Dr. Ashok Nadda and Dr. Uday M.

RKMV College, Shimla administration thanked the, JUIT for his motivation and support. JUIT administration, staff, research scholars and M.Sc. volunteers provided their support for making the workshop a great success. JUIT Vice Chancellor Prof. Rajendra Kumar Sharma and Dr. Ruchi Ramesh, Principal, RKMV, Shimla expressed their delight over successful conduct of the First workshop under the MoU signed between JUIT and RKMV, Shimla.



Career counselling at Govt. Degree College Sanjauli, 'Centre of Excellence' Shimla -171006, Himachal Pradesh, April 24, 2023.

A career counseling session was organized at Govt. Degree College Sanjauli, Himachal Pradesh, on April 24, 2023. An outreach visit for the same was organized to the mentioned institute with an objective to give publicity to the post graduate programmes being offered by the JUIT. Prof. Vineet Sharma (Dept. of PMS), Dr. Ragini Raj Singh (Dept. of PMS) and Dr. Poonam Sharma (Dept of BT/Bi) were nominated to carry out this outreach activity. The B.Sc. 3rd year students were selected as the target audience. The permission for the activity was taken from H'ble Principal of Govt. Degree College Sanjauli Dr. Bhupinder Singh Thakur. Dr. Brijesh Chauhan (Assoc. Prof., H.O.D Physics) and Rita Chandel (Asstt. Prof., Dept. of Chemistry) from Govt. Degree College Sanjauli were instrumental in coordinating the event.

The students (50 in number) were apprised of the various scholarships for the post graduate studies being offered by the State Govt., Govt. of India and other agencies abroad by Dr. Brijesh Chauhan. It was followed by an introduction by Prof Vineet Sharma to the post graduate programmes being offered by various Science Departments at the Jaypee University of Information technology to the B.Sc. students. A brief outline of the Dept. of PMS at JUIT, its academic and research contribution were highlighted. Dr. Ragini Raj Singh and Dr. Poonam Sharma provided the details of the procedure to get admission to the post graduate programmes at JUIT and how after post graduation students may opt for the doctoral studies at the University.

We would also like to extend our heartfelt gratitude to the Principal, Dr. Bhupinder Singh Thakur, Dr. Brijesh Chauhan (H.O.D Physics) and Rita Chandel (Dept. of Chemistry) Govt. Degree College Sanjauli, Himachal Pradesh for helping to coordinate this event.









Career counselling at Rajiv Gandhi Govt. Degree College Chaura Maidan Shimla -171004, Himachal Pradesh, 2nd May, 2023.

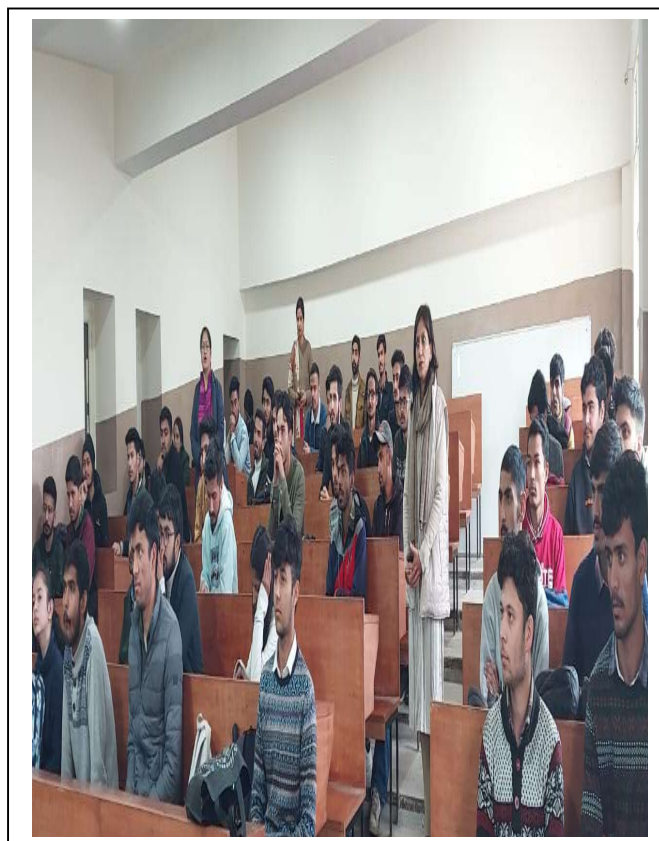
A career counseling session was organized at Rajiv Gandhi Govt. Degree College Kotshera Shimla, Himachal Pradesh, on 2nd May, 2023. An outreach visit for the same was organized to the mentioned institute with an objective to give publicity to the post graduate programmes being offered by the JUIT. Prof. Vineet Sharma (Dept. of PMS) and Dr. Poonam Sharma (Dept of BT/BI) were nominated to carry out this outreach activity. The B.Sc. (Medical and Non medical) 3rd year students were selected as the target audience. The permission for the activity was taken from H'ble Principal of Govt. Degree College Kotshera Dr. Anupama Garg. Dr. Nitika Chauhan (Asth. Prof and H.O.D Chemistry) and Neena Gautam (Asth. Prof., Dept. of Chemistry) from Govt. Degree College Kotshera were instrumental in coordinating the event.

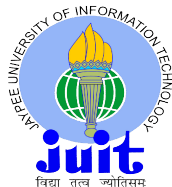
About 65 students were apprised by an introduction by Prof Vineet Sharma to the post graduate programmes being offered by Department of PMS at the Jaypee University of Information technology to the B.Sc. students. A brief outline of the Dept. of PMS at JUIT, its academic and research contribution were highlighted. Dr. Poonam Sharma provided the details of the procedure to get admission to the post graduate programmes at Deptt. of BT/BI of JUIT and how after post graduation students may opt for the doctoral studies at the University.

We would also like to extend our heartfelt gratitude to the Principal, Dr. Anupama Garg, Dr. Nitika Chauhan (Asth. Prof and H.O.D Chemistry) and Neena Gautam (Asth. Prof., Dept. of Chemistry) from Govt.Degree College Kotshera, Shimla for helping to coordinate this event.









UNNAT BHARAT ABHYIAN



Jaypee University of Information Technology Waknaghat, Solan, Himachal Pradesh 173234

Date:20 Aug 2023

Visit to Wakna Village- Interaction and Identification of their Issues

Introduction:

On August 20, 2023, a group of students from JUIT (Jaypee University of Information Technology) participated in a visit to Wakna village as part of the Unnat Bharat Abhiyan (UBA) initiative. The purpose of the visit was to engage with the villagers, introduce them to the concept of UBA, understand their issues and concerns, and establish a connection for future collaboration and support.

Event Details:

The visit to Wakna village was organized by the UBA team at JUIT in collaboration with local authorities. The team consisted of eight enthusiastic students from various disciplines, along with faculty mentors.

Activities:

1. Introduction to Unnat Bharat Abhiyan (UBA): The students began the visit by introducing the villagers to the concept of UBA. They explained that UBA is a national initiative aimed at promoting rural development by engaging higher education institutions in the upliftment of rural communities.

2. Interactive Session: The students engaged in an interactive session with the villagers, sharing information about themselves, their studies, and their intent to collaborate with the community for mutual development. They discussed the potential benefits of knowledge-sharing and resource utilization.

3. Identification of Issues: The villagers were encouraged to share their problems and concerns. The students actively listened and documented the issues raised by the villagers. These ranged from lack of access to clean water, inadequate healthcare facilities, limited educational

opportunities, to challenges in agriculture and infrastructure.

4.Small Survey: A small survey was conducted to gather more structured information about the villagers' needs and preferences. The survey covered various aspects including healthcare, education, sanitation, and infrastructure. The purpose of the survey was to create a database that could guide future initiatives.

5.Contact Details Exchange: To ensure continued communication and collaboration, the students collected contact details from the villagers. In return, they provided their own contact information so that the villagers could reach out whenever they required assistance or had suggestions.

Conclusion:

The visit to Wakna village under the Unnat Bharat Abhiyan was a successful endeavor in fostering a connection between the university and the rural community. The interactive session, issue identification, and contact details exchange will serve as a foundation for future collaboration and initiatives.



Jaypee University of Information Technology Waknaghat, Solan, Himachal Pradesh 173234





Jaypee University of Information Technology Waknaghat, Solan, Himachal Pradesh 173234



Dr. Gopal Singh Bisht

Faculty Co-ordinator

Dr. Saurav

Faculty Co-ordinator

Anurag Kumar

Student Co-ordinator

Sristi Agarwal

Student Co-ordinator

Priyansh Garg

Student Co-ordinator

Date: 20 Aug 2023

Visit to Wakna Village - Interaction and Identification of their Issues

Members participated:

<u>S. No</u>	<u>Name</u>	<u>Branch</u>	<u>Year</u>	<u>Roll No</u>	<u>Signature</u>
1	Anurag Kumar	CSE	4th	201367	
2	Sristi Agarwal	CSE	4th	201371	
3	Priyansh Garg	CSE	4th	201348	
4	Aaryan Sharma	CSE	3rd	211201	
5	Nikhilesh	CSE	3rd	211478	
6	Dhruv Yadav	CSE	3rd	211403	
7	Vision Srivastava	IT	2nd	221031010	
8	Prerna Roy	CSE	2nd	221030364	



Tara Devi Trek and Drug Abuse and Prevention Rally

Date: 17th September, 2023

Location: Shoghi and Wahnaghat

Time: 12:00 P.M.

Overview:

On 17th September 2023, the cadets of 1HP Girls Bn and 1HP Bn NCC Solan at Jaypee University of Information technology embarked on a two-fold mission that combined adventure with social responsibility. The NCC cadets initiated a drug abuse awareness campaign as part of their commitment to community service. This event aimed to educate and inspire people about the harmful effects of drug abuse. They organized a rally that drew the attention of the local community and passersby. Carrying banners, posters, and pamphlets with powerful messages against drug abuse, the cadets marched through the town, chanting slogans that resonated with all who heard them. Both at Shoghi and Wahnaghat the cadets paraded through the town, capturing the attention of local residents and passersby.



National Service Scheme (NSS)

Date: 02/10/2023

Tree Plantation Drive

On October 2, 2023, in Domehar Village, a tree planting event was organized by UBA and NSS. Students participated enthusiastically, planting 25 trees.

The event's success was evident in the students' eagerness for environmental conservation. Students from UBA and NSS members joined forces to enhance the environment.

During the event, 25 trees were carefully planted, chosen to thrive in the local ecosystem. This reflected the organizers' commitment to greener surroundings.

Local residents actively supported the event, providing valuable insights and assistance. Their involvement showcased a shared responsibility for protecting the environment.

The tree planting not only improved the village's environment but also inspired ongoing environmental education and conservation. Participants embraced their role as stewards, ensuring long-term protection of their surroundings.



National Service Scheme (NSS)



National Service Scheme (NSS)





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National Cadet Corps

Name of the Activity: Trek to Shali Peak

Date: 9th June 2024

Place: Shali Peak

NCC Cadets of Jaypee University of Information Technology, Solan conducted an Adventure Trek to Shali Tibba which is approx 65 kms from the university campus. This event aimed to foster resilience, teamwork, and leadership skills among the cadets while providing them with an opportunity to explore the natural beauty and challenges of the great outdoors. Highlighting the educational aspect of the trek and importance environmental conservation and preserving natural habitats. Cadets were encouraged to practice 'Leave No Trace' principles, ensuring that their adventure left the environment untouched for future trekkers. The culmination of the trek was marked by a group photograph ceremony at the highest point of the route, where cadets got blessing from Maa Shaali and sang the national anthem.





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Report on Educational Workshop at GSSS, Domehar

Event: Educational Workshop at GSSS, Domehar (Koshish Club).

Date: 12th April, 2024.

Organised by: Koshish Club of JYC.

Venue: Government Senior Secondary School, Domehar.

On April 12, 2024, the Koshish Club of Jaypee Youth Club at Jaypee University of Information Technology, a dedicated initiative within the JYC aimed at providing underprivileged children with access to quality education, organised an Educational Workshop at Government Senior Secondary School, Domehar. Led by faculty coordinator Dr. Raj Kumar, a delegation of student volunteers including Vidushi, Niharika, Palak Sharma, Nikhilesh, Nitish Gupta, Anjali Panwar, Dhriti Sharma, Vanshaj Sharma, Vardaan and Aastha Jain, conducted the workshop with the objective of teaching fundamental mathematics concepts to students in classes 1st to 5th and introducing Vedic mathematics techniques to those in classes 6th to 8th, by tailoring the workshop to meet the specific needs of different age groups, the club aimed not only to enhance the educational experience of the attending children but also to empower them with essential skills and knowledge that can positively shape their futures. Choosing Government Senior Secondary School, Domehar, as the venue served to publicise the club's noble cause of providing quality education to the underprivileged, inspiring others to join the mission. As the echoes of laughter and learning reverberated through the school corridors, it became evident that the workshop was not merely an event but a catalyst for sustainable progress and empowerment. Furthermore, involving student volunteers in organising and facilitating such events not only benefits the attending children but also aids in scaling the club's impact while providing invaluable experience to the volunteers, refining the club's educational initiatives further.

Event Snapshots:



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Interactive Session on Career Drive & Igniting Futures

On May 9th, 2024, The Gender Champions Club and the Omega Leo Club of JUIT, Wagnaghat orchestrated an enlightening interactive session and career advisory affair at Govt. Senior Sec. School Domehar (Rajkeeya Varishth Madhmik Vidyalaya Dumeha), Solan. Guided by Dr. **Hemant Sood, Dr. Nancy and Mr. Chandra Pal**, the event was designed to furnish students from grades 5 to 12 with invaluable perspectives on their prospective career pathways, their social well being and responsibility towards their society where equal rights and justice prevails for both girls and boys. To promote gender equality, guaranteed by Article 15 of the Indian Constitution, to change the mode of interaction at all levels – home, school, and workplace the student representatives of GCC and Omega Club interacted with girls and boys of the school and Gender champions provided insight about respecting girls with their conduct and simple day to day gestures and also explained about the exploring inner potential to girls and boys to advocate strongly under challengeable circumstances for gender equality and justice.

Following the informative sessions, Omega Leo members organized recreational activities for the students. President Yashashvi Agnihotri demonstrated exceptional leadership skills in organizing these activities, ensuring everyone had an enjoyable experience. Kho kho and volleyball matches were organized for the school students. Additionally, chocolates were distributed to the children, adding to the festive atmosphere of the event. Overall, it was a fun and rejuvenating experience that left a positive impact on all participants.(Pictures of the event are mentioned below)



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