



हिमालयन विज्ञान एवं प्रौद्योगिकी स्कूल
स्वामी राम हिमालयन विश्वविद्यालय की एक शैक्षणिक इकाई

Himalayan School of Science and Technology
A Constituent Academic Unit of Swami Rama Himalayan University



Notice

Dated: 16 April 2024

To
All the Faculty Members,

This is to inform you that Himalayan School of Science and Technology is going to organize a **National Seminar on 'Beyond the Horizon: Emerging Technologies and AI in Focus' on 26th April 2024 (Friday)**.

The objective of the seminar is to explore the prospects, difficulties, and effects of cutting-edge technology and artificial intelligence (AI) along with a deeper understanding of emerging technologies like blockchain, Deep Learning, Machine Learning and IoT, as well as how artificial intelligence is transforming these sectors, through interactive conversations and knowledge-sharing.

We cordially invite all faculty members to join us for the inauguration of the Seminar, which will commence at 10:00 AM on April 26th. Your presence at the inauguration will not only support the event but also provide an excellent opportunity for you to engage with students and speakers.

Invited Guest Speakers for the Seminar:

- Dr. Niladri Chatterjee, Professor, IIT, Delhi
- Dr. Manju Khari, Professor, JNU, Delhi
- Dr. Ankit Aggarwal, Associate Professor, GGSIP, Delhi

Details of the activity:

Date: 26th April 2024

Time: 10:00 am onwards

Venue: HSST auditorium

Registration deadline: Interested students must register themselves by 23 April 2024

Registration link: <https://forms.gle/8Ket6ZJfKUilXPBW8>

Principal
Himalayan School of Science & Technology
Swami Rama Himalayan University
Dehradun



Dr. Pramod Kumar (SMIEEE, ACM, IETE)
Principal

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Report

One Day National Seminar on '**Beyond the Horizon: Emerging Technologies and AI in Focus**'. The details of the Seminar are as given below:

Name of activity: One Day National Seminar

Speakers:

- **Dr. Niladri Chatterjee, Professor, IIT, Delhi**
- **Dr. Manju Khari, Professor, JNU, Delhi**
- **Dr. Ankit Aggarwal, Associate Professor, GGSIP, Delhi**

Date: 26.04.2024

Time: 10:00 AM- 1:30PM

Organized and co-ordinated by/ under the guidance of: **Dr Pramod Kumar, Principal, HSST, (Seminar Convener)**

Team Members:

Dr Anupama Mishra, (Assistant Professor), Dr Pooja Baloni (Assistant Professor), HSST, Himalayan School of Science & Technology, Swami Rama Himalayan University, Dehradun

No of beneficiaries: 102

About the Seminar:

A One Day National Seminar on "Beyond the Horizon: Emerging Technologies and AI in Focus" has been organized by Himalayan School of Science & Technology on April 26th, 2024, at Swami Rama Himalayan University (SRHU), Jolly grant. The objective of this seminar is to empower the students with the knowledge, insights, and connections necessary to navigate the complex intersection of emerging technologies and AI, steering towards a future that is both innovative and responsible.

We were honored to have Dr Rajendra Dobhal, Vice Chancellor, SRHU, Dr. Pramod Kumar, Principal of HSST, along with senior professors, faculty members, and students in attendance.

As our hon'ble Vice Chancellor, Dr Rajendra Dobhal, has consistently emphasize on the significance of ongoing learning and exploration in emerging technology in view of AI, especially in harnessing technology's transformative potential for personal and communal advancement. He also spoke to the young minds to accept the rapidly advancing world and understand the need for Artificial Intelligence (AI) in today's digital era.

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He also said that today as we stand at the cusp of the Fourth Industrial Revolution, AI has emerged as a transformative force across industries, from healthcare to finance, manufacturing, therefore its necessary to acquire the knowledge of this domain.

The event commenced with a warm welcome by Dr Pooja Baloni, Faculty at HSST and a traditional lamp lighting ceremony.

Dr Pramod Kumar, the esteemed Principal of Himalayan School of Science and Technology, takes the helm of our transformative seminar. He welcomed and felicitate the keynote speakers and addressed the young intellects, about profound impact of emerging technology and artificial intelligence in today's digital era. He reminds us that by embracing new technologies, we not only equip ourselves with tools but also with the alignment of mindset to navigate the ever-evolving landscape of tomorrow.

Dr. Niladri Chatterjee, Professor, IIT, Delhi, graced with his presence as the first keynote speaker. Dr Chatterjee delivered a comprehensive discourse on 'Natural Language Processing' (NLP), elucidating its advanced techniques and applications. They delved into key topics such as sentiment analysis, named entity recognition, and machine translation. He also discussed application like courier classification with structured and unstructured Text. The talk also addressed the future work in this area. Overall, it provided a deep understanding of NLP's technical intricacies, inspiring further exploration and experimentation among the audience.

Dr. Manju Khari, Professor, JNU, Delhi, as a second keynote speaker, she delivered a talk on 'Deep Learning Trends and its Applications'. It explained the concept of Machine Learning (ML) as a subset of AI, focusing on algorithms that enable systems to learn and improve from experience. Deep Learning (DL) was introduced as a specialized form of ML, emphasizing its ability to process vast amounts of data through neural networks. Recent advancements in DL were discussed, showcasing its remarkable progress in various domains such as computer vision and natural language processing. The talk highlighted the significance of DL frameworks and libraries in facilitating DL model development, along with deployment frameworks for deploying DL models into production environments. Attendees gained valuable insights into the evolving landscape of AI, ML, and DL, as well as their practical applications and tools.

Dr. Ankit Aggarwal, Associate Professor, GGSIP, Delhi was also a keynote speaker and presented his talk on 'Cyber Security'. He has presented an overview of cybersecurity, addressing various critical aspects such as cybercrime, cyber laws, and AI's role in cybersecurity. It began by defining cybersecurity and discussing the prevalence of cybercrime in today's digital landscape. The classification of cybercrimes was explored, highlighting different types of attacks and their techniques. The incorporation of AI in cybersecurity was emphasized as a promising approach to enhance threat detection and response capabilities. Additionally, network defense tools were discussed as essential components of cybersecurity strategies, aiming to mitigate risks and safeguard against cyber threats. Attendees gained valuable insights into the complexities of cybersecurity and the evolving nature of cyber threats, along with the technologies and strategies employed to protect digital assets and networks.

The seminar has undoubtedly proven to be highly advantageous for the students of HSST. Through interactive sessions, they have acquired a comprehensive grasp of emerging technologies and Artificial Intelligence. On behalf of the organizing committee Dr. Anupama Mishra has delivered the vote of thanks.

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List of Beneficiaries:

S. No.	Name of the Student	Registration (DD) Number	Program	Year
1.	Mansi	DD222113002	B. Tech	III
2.	Aditya Rawat	DD22111301002	BCA	II
3.	Ritika	DD2111303015	B. Tech	III
4.	Sachin	DD2111303005	B. Tech	III
5.	Aman Royal	DD22111301005	BCA	II
6.	Amisha	DD22111301006	BCA	II
7.	Anshika Dobhal	DD22111301007	BCA	II
8.	Ankit	DD2111303009	B. Tech	III
9.	Anshul Rawat	DD22111301009	BCA	II
10.	Arvind Kumar	DD22111301010	BCA	II
11.	Ayush Panwar	DD2111303003	B. Tech	III
12.	Ashish Kumar	DD22111301012	BCA	II
13.	Ayush Kumar Verma	DD22111301013	BCA	II
14.	Deevanshu Bishriya	DD22111301014	BCA	II
15.	Ayush Parmar	DD2111303014	B. Tech	III
16.	Abhishek Singh	DD22211303004	B. Tech	III
17.	Durga Sahu	DD22111301017	BCA	II
18.	Himanshu Singh	DD22111301018	BCA	II
19.	Ashish	DD22211303001	B. Tech	III
20.	Kalpna Bhatt	DD22111301020	BCA	II
21.	Kanchan Krishali	DD22111301021	BCA	II
22.	Madhika Rawat	DD22111301022	BCA	II
23.	Mansi Rawat	DD22111301023	BCA	II
24.	Nancy Bhandari	DD22111301024	BCA	II
25.	Jai Semwal	DD22211303007	B. Tech	III
26.	Neha Rawat	DD22111301026	BCA	II
27.	Osheen	DD22111301027	BCA	II
28.	Priyanshu Kushwha	DD22111301028	BCA	II
29.	Rahul Ringola	DD22111301029	BCA	II
30.	Sriyansh	DD22211303006	BCA	II
31.	Ritik	DD22111301031	BCA	II
32.	Roshan Shah	DD22111301032	BCA	II
33.	Shivam	DD2111303013	B. Tech	III
34.	Sagar Rawat	DD22111301034	BCA	II
35.	Prajwal	DD2111303011	B. Tech	III

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36.	Sahil Negi	DD22111301036	BCA	II
37.	Sanchit Pokhriyal	DD22111301037	BCA	II
38.	Sanchit Thapliyal	DD22111301038	BCA	II
39.	Sanjay Singh Chauhan	DD22111301039	BCA	II
40.	Saurabh Maliyan	DD22111301040	BCA	II
41.	Saurabh Rautela	DD22111301041	BCA	II
42.	Sawan Rawat	DD22111301042	BCA	II
43.	Sheetal Rawat	DD22111301043	BCA	II
44.	Shikha	DD22111301044	BCA	II
45.	Shivam Manwal	DD22111301045	BCA	II
46.	Shivank	DD22111301046	BCA	II
47.	Abhishek Bhandari	DD2111303010	B. Tech	III
48.	Surya Pratap Chauhan	DD22111301048	BCA	II
49.	Vidhi Sharma	DD22111301049	BCA	II
50.	Anirudh Bhandari	DD2111303012	B. Tech	III
51.	Gaurav Gusain	DD22111301051	BCA	II
52.	Shikha Bisht	DD22111301052	BCA	II
53.	Divyanshu Rawat	DD22111301054	BCA	II
54.	Pragya Mishra	DD22111301056	BCA	II
55.	Priyanshu Tiwari	DD22111301057	BCA	II
56.	Rameshwar Rajbhar	DD22111301058	BCA	II
57.	Shiya Rana	DD22111301059	BCA	II
58.	Ayush Kukreti	DD22111301063	BCA	II
59.	Anshuman	DD22111301065	BCA	II
60.	Abhinav Adhikari	DD22111301066	BCA	II
61.	Rohit Singh Rawat	DD22111301067	BCA	II
62.	Preeti Kukreti	DD22111301068	BCA	II
63.	Sonika Ramola	DD22111301069	BCA	II
64.	Rahul Negi	DD22111301072	BCA	II
65.	Satyam Singh Rawat	DD22111301073	BCA	II
66.	Srishti Rana	DD22111301074	BCA	II
67.	Karan Goswami	DD22111301076	BCA	II
68.	Lekhika Silswal	DD22111301078	BCA	II
69.	Kamini	DD2111301005	BCA	II
70.	Aman Garg	DD2111301009	BCA	II

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71.	Abhishek	DD2111301024	BCA	II
72.	Shubham Kabsuri	DD22111301083	BCA	II
73.	Harsh Dhani	DD231104307003	B.Tech	I
74.	Anshika Bijalwan	DD231104307004	B.Tech	I
75.	Harit Vashishtha	DD231104307006	B.Tech	I
76.	Akshat Gairola	DD231104307007	B.Tech	I
77.	Ankit Ramola	DD231104307008	B.Tech	I
78.	Gaurav Singh	DD231104307014	B.Tech	I
79.	Abhay Sachan	DD231104307010	B.Tech	I
80.	Devpriya Dey	DD231104307011	B.Tech	I
81.	Himanshu Panwar	DD231104307015	B.Tech	I
82.	Kashish	DD231104307016	B.Tech	I
83.	Ranveer Singh Saini	DD231104308001	B.Tech	I
84.	Pankaj Singh Rawat	DD231104307012	B.Tech	I
85.	Shivam Purohit	DD231204308001	B.Tech	II
86.	Ayush Saklani	DD22111307001	B.Tech	II
87.	Prakash Singh Negi	DD22111307002	B.Tech	II
88.	Rishabh Riyal	DD22111307003	B.Tech	II
89.	Saksham Thapliyal	DD22111307004	B.Tech	II
90.	Shishir Tiwari	DD22111307005	B.Tech	II
91.	Anuj Anand	DD22111307006	B.Tech	II
92.	Rishabh Bisht	DD22111307007	B.Tech	II
93.	Vedant Nainwal	DD22111307008	B.Tech	II
94.	Sameer Rajesh Chavan	DD231204307001	B.Tech	II
95.	Lokendra Kumar	DD231204307002	B.Tech	II
96.	Shivansh Purohit	DD231204307003	B.Tech	II
97.	Ankit Singh Negi	DD231204307004	B.Tech	II
98.	Priyanshu Sharma	DD22111308001	B.Tech	II
99.	Rohit Gautam	DD22111308002	B.Tech	II
100.	Shivansh Nautiyal	DD22111308003	B.Tech	II
101.	Tanisha Jatav	DD22111308004	B.Tech	II
102.	Yaksh Gaur	DD22111308005	B.Tech	II

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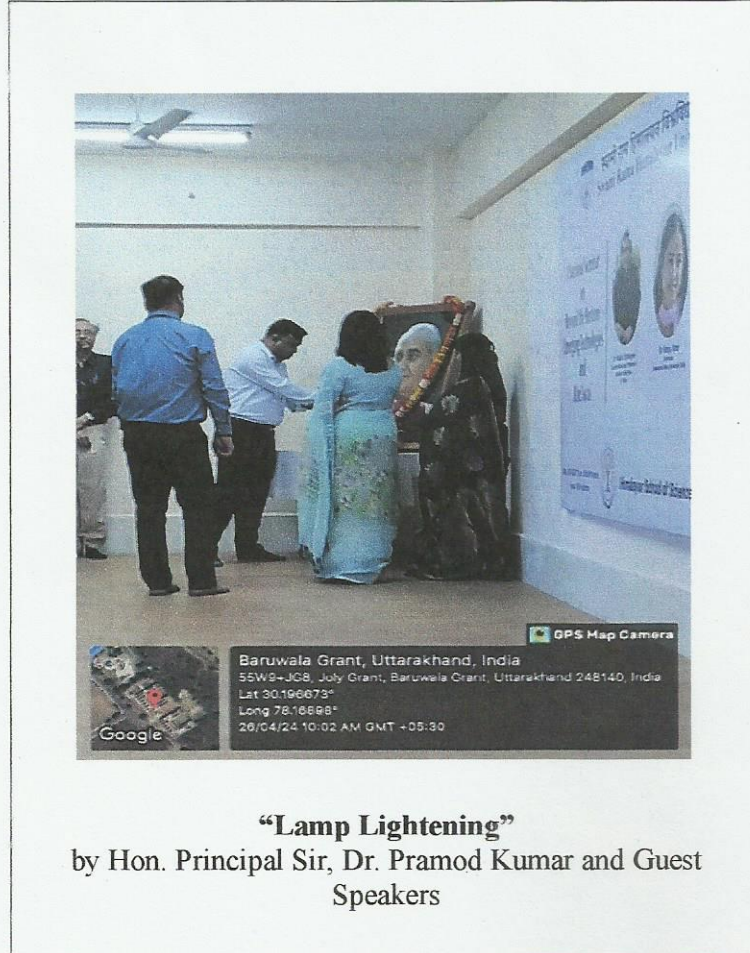
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Some glimpses of the activity



“Lamp Lightening”
by Hon. Principal Sir, Dr. Pramod Kumar and Guest
Speakers

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"Felicitation of Dignitaries",
Dr. Vinay Avasthi, HoD, Dept. of CSE
and Dr. Manju Khari, Professor, JNU, Delhi



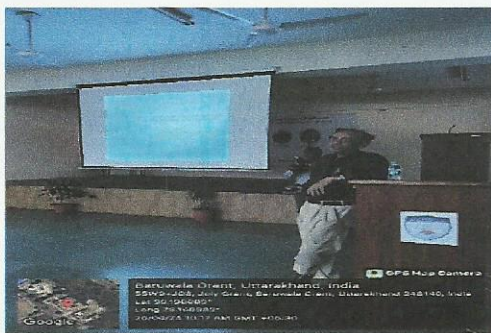
"Inviting the Speakers"
by Dr Pooja Baloni, faculty HSST



"Welcome Address"
Honorable Dr Pramod Kumar, Principal HSST



**"Motivating the students to learn new technologies and
apply it to make the life easier"**
Honorable Dr Rajendra Dobhal, Vice Chancellor, SRHU



"Session conducted"
by Dr. Niladri Chatterjee, Professor, IIT, Delhi



"Session conducted"
by Dr Manju Khari, Professor, JNU, Delhi

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"Session conducted"

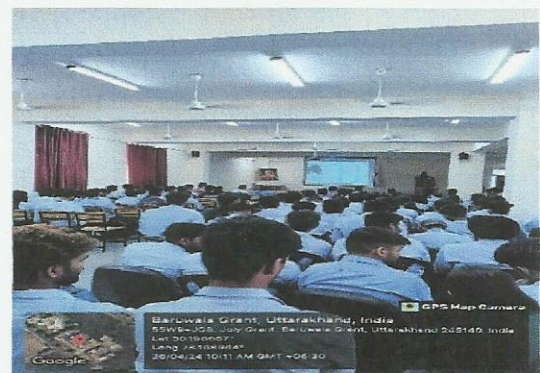
By Dr. Ankit Aggarwal, Associate Professor,
GGSSIP, Delhi



"Session hours"



"Session hours"



"Session hours"



"Vote of Thanks"

By Dr. Anupama Mishra, Faculty, HSST



"Group Photograph"

Pooja Baloni

Dr. Pooja Baloni
Assistant Professor, HSST
Activity Coordinator

Anupama

Dr. Anupama Mishra
Assistant Professor, HSST
Activity Coordinator

Pramod

Dr. Pramod Kumar
Principal, HSST
Seminar Convener

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