

ANNUAL REPORT (2022-23)

01 July 2022- 30 June 2023

Department of Computer Science and Engineering

Faculty of Engineering & Technology

Established (year): 2000

About the Department:

The Computer Science and Engineering department, established in 2000, has grown exponentially since its inception. Initially offering 30 seats, it has since expanded to accommodate 215 students, reflecting the unwavering faith in its quality education. The department proudly offers B.Tech. and Ph.D. programs and is a pioneer in introducing cutting-edge courses like Cloud Computing, Machine Learning, and Blockchain. With a faculty composed of experienced professionals, the department has produced alumni thriving in prominent IT firms and PSUs. MoU with companies like IBM provide students skill oriented courses. Its visionary approach has left an indelible mark on the field, making it a hub of innovation and excellence.

Head of the Department: Dr. Mayank Aggarwal

Faculty Members:

1. Dr. Mayank Aggarwal
2. Dr. Suyash Bhardwaj
3. Dr. Nishant Kumar
4. Mr. Namit Khanduja
5. Mr. Vivudh Fore
6. Dr. Aman Tyagi
7. Mr. Ashwani Kumar
8. Mr. Aman Tyagi
9. Mr. Deepak Panuili
10. Mr. Sumit Bansal

Adjunct Faculty:

Dr.Mani Madhukar, IBM

Guest Faculty:

1. Mr. Shashank Sharma
2. Mr. R.R.Sharma
3. Mr. Prashant Kaushik
4. Mr. Sachin
5. Dr. Bablu Vedalankar
6. Dr. Vinod

Details of Publication/Conference attended/ Workshop attended/ Awards/ Invited talk etc.:

- I. No. of publications in UGC listed journals with impact factors (if any): **7** – Annexure 1
- II. No. of books/edited books/chapters in books: **1** – Annexure 2
- III. No. of papers presented in conferences/seminars by the faculty members: **23** – Annexure 3
- IV. No. of awards to faculty members: **4** – Annexure 4
- V. No. of Patents: **9** – Annexure 5
- VI. No. of Projects sanctioned: **01**- Annexure 6
- VII. No of Invited talk delivered: **19**- Annexure 7
- VIII. No. of FDP/ Workshop Attended **21**– Annexure 8
- IX. No. of Events Organized: **15** – Annexure 9

Head

Annexure 1

Paper Published in journal

1. K. Agrawal, M. Aggarwal, S. Tanwar "MyEasyHealthcare : An efficient and secure three-tier blockchain-based healthcare system", Security and Privacy(Wiley), Online ISSN 2475-6725, 2023, doi: 10.1002/spy2.314 March 2023.
2. K. Agrawal, M. Aggarwal, S. Tanwar, G. Sharma, P. N. Bokoro and R. Sharma, "An Extensive Blockchain Based Applications Survey: Tools, Frameworks, Opportunities, Challenges and Solutions," IEEE Access, vol. 10, pp. 116858-116906, 2022, doi: 10.1109/ACCESS.2022.3219160 November 2022.
3. Suyash Bhardwaj, "Digital Transformation for Rural Empowerment: Exploring ICT in E-Governance and Development" in Mukht Shabd Journal UGC CARE LIST GROUP – I JOURNAL Volume 12, Issue 6, JUNE 2023, pp 1709-1722, ISSN 2347-3150. [IF- 4.6] [National]. DOI:10.0014.MSJ.2023.V12I06.0086781.1144073.
4. Ashish Kumar, Nishant Kumar, Jeril Kuriakose, Yogesh Kumar, "A Review of Deep Learning-Based Approaches for Detection and Diagnosis of Diverse Classes of Drugs" Archives of Computational Methods in Engineering, May-23, 1886-1784.
5. Sumit Bansal, Himanshu Aggarwal, Mayank Aggarwal, "A systematic review of Task scheduling approaches in fog computing",Transac. Emerging Technologies.,May,2022,ISSN 2161-3915.(SCIE).
6. Bansal, Sumit, and Himanshu Aggarwal. "A Hybrid Particle Whale Optimization Algorithm with application to workflow scheduling in cloud–fog environment." Decision Analytics Journal 9 (2023): 100361.
7. Aman Tyagi, Automatic computerised mobile purchase system. International Journal of Business Competition and Growth (IJBCG), (2022), ISSN: 2042-3853, (UGC CARE).
8. Kumar, Sunil, Jasbir Singh, Vivudh Fore, and Amrith Kumar. "Performance evaluation of ANFIS, ANN and RSM in biodiesel synthesis from Karanja oil with Domestic Microwave set up." Multimedia Tools and Applications (2023): 1-17.

Annexure 2

Book/Book Chapter Published

1. Dr. Suyash Bhardwaj published a book titled “10 Amazing Stories of Design Thinking that Shaped the Future” in June 2023 published by Amazon Kindle, ISBN 978-93-5906-723-0.
2. Sumit Bansal, Himanshu Aggarwal, Mayank Aggarwal published a book chapter on “Random Cloudlet Priority Scheduling: An enhanced Approach” in Computational Intelligence in Analytics and Information Systems published by Apple Academic Press, ISBN 9781003332367.

Annexure 3

Paper Presented in Conference

1. Dr. Mayank Aggarwal presented a paper entitled “Blockchain based Health care system to Secure health records” in International Conference on Computer Communication and Informatics. (Presented Online- 23-25, Jan,2023) IEEE
2. Dr. Mayank Aggarwal presented a paper entitled “Blockchain Applications in Healthcare-recent advancements” in International Conference on Computer Communication and Informatics. (Presented Online- 23-25, Jan,2023) IEEE
3. Dr. Suyash Bhardwaj Presented a paper entitled “Yogic Management of Computer Related illness” in three days online International Conference on Indian Traditional Yoga System Theory and Practice organized by Department of Yogic Science, Gurukula Kangri (Deemed to be University), Haridwar Sponsored by Ministry of AYUSH, Govt. of India, New Delhi from 24 to 26 May, 2022.
4. Dr. Suyash Bhardwaj Presented a paper entitled “Machine Learning for Healthcare- A Review” in the two-day international conference on Current and Future Challenges of Human Health Solution with AI, Pharmaceuticals and Indian Medicine” organized by Department of Pharmaceutical Sciences, Gurukula Kangri (Deemed to be University), Haridwar in association with PRISAL Foundation held during 10 to 11 July, 2022.
5. Dr. Suyash Bhardwaj Presented a paper entitled “Recent Advancement in Pancreatic Cancer Diagnosis using Machine Learning – Based Methods – A Systematic Review” in International Conference on Advances and Application of Artificial Intelligence and Machine Learning held on 16-17 September 2022 at Sharda University, Greater Noida, Uttar Pradesh.
6. Dr. Suyash Bhardwaj Presented a paper entitled “Issues and Challenges in MANET Routing Protocols” in International Conference organized by the Department of Botany & Microbiology, Gurukula Kangri (Deemed to be University), Haridwar on 7-8 December, 2022.
7. Dr. Suyash Bhardwaj Presented a paper entitled “Trends in Machine Learning Techniques for Plant Disease Detection” in National Conference on Science and Technology for All (NCSTA) organized by The Indian Science Congress Association: Haridwar Chapter on 19 March, 2023.
8. Dr. Suyash Bhardwaj Presented a paper entitled “The Role of Vedic Science & Engineering in Promoting Ethical and Sustainable Artificial Intelligence” in National conference on

Knowledge, Cultural Traditions & Practices of India organized by Gurukula Kangri Deemed to be University, Haridwar on 29 March 2023.

9. Mr. Namit Khanduja Presented a paper titled “Transformers for Multi Label Classification of Biomedical Records” in International conference on Current and Future Challenges of Human Health: Solution with AI, Pharmaceuticals and Indian Medicines organized by Department of Pharmaceutical Sciences, Gurukula Kangri (Deemed to be University), Haridwar during 10 July, 22 – 11 July, 2022.
10. Mr. Namit Khanduja Presented a paper titled “Survey on Sentiment Classification in Indian Languages” in International conference on Environment and Human Health: Global Issues organized by Department of Botany and Microbiology, Gurukula Kangri (Deemed to be University), Haridwar, during 7 Dec, 22 – 8 Dec, 2022.
11. Mr. Namit Khanduja Presented a paper titled “Sentiment Classification on Hindi using Transformer based deep learning models” in National conference on “Science & Technology for All (NCSTA)” organized by Indian Science Congress Association: Haridwar Chapter on 19, March 2023.
12. Mr. Namit Khanduja Presented a paper titled “Evaluating Performance of Hate Speech Text classification using Transformers” in National Conference on Knowledge, Cultural Traditions & Practices of India organized by Gurukula Kangri (Deemed to be University), Haridwar during 29- 31 March, 2023.
13. Mr. Deepak Painuli Presented a paper entitled “Recent Advancement in Pancreatic Cancer Diagnosis using Machine Learning – Based Methods – A Systematic Review” in International Conference on Advances and Application of Artificial Intelligence and Machine Learning held on 16-17 September 2022 at Sharda University, Greater Noida, Uttar Pradesh.
14. Mr. Deepak Painuli Presented a paper entitled “Current State of Machine Learning Methods in Pancreatic Cancer Diagnosis: A Systematic Review” in Two days International Conference on Advances and Applications of Artificial Intelligence and Machine Learning (ICAAAIML-2022) organized by School of Engineering and Technology, Sharda University Uttar Pradesh, Greater Noida, from 17 to 18 Sept, 2022.
15. Mr. Deepak Painuli Presented a paper entitled “Gene Expression Microarray-based Diagnosis of Central Nervous System (CNS) Cancer using Machine Learning (ML) Methods” in Two days International Conference on Recent Advancement & Innovation in Engineering & Technology (RAIET-2023) organized by Maharishi School of Engineering & Technology, MUIT Lucknow, from 24 to 25 Feb, 2023.
16. Mr. Deepak Painuli Presented a paper entitled “Optimized Leukaemia Cancer Diagnosis using Gene Expression Microarrays and Machine Learning Techniques” in Two days National Conference on "Knowledge, Cultural Traditional & Practices of India" organized by Gurukula Kangri (Deemed to be University), Haridwar, Uttarakhand, from 29 to 31 March, 2023.
17. Mr. Ashwani Presented a paper entitled “Recommendation System For Smart Farming Using AI” in National Conference on “Science & Technology For ALL (NCSTA)” organized by “The Indian Science Congress Association: Haridwar Chapter” on March 19, 2023.
18. Mr. Ashwani Presented a paper entitled “Recommendation System for best crop yield using AI” in National Conference on “Knowledge, Cultural Traditional & Practices of India” organized by “Gurukula Kangri(DU), Haridwar” from 29-31 March, 2023.
19. Mr. Aman Tyagi Presented a paper entitled “Recommendation System For Smart Farming Using AI” in National Conference on “Science & Technology For ALL (NCSTA)” organized by “The Indian Science Congress Association: Haridwar Chapter” on March 19, 2023.

20. Mr. Aman Tyagi Presented a paper entitled “Recommendation System for best crop yield using AI” in National Conference on “Knowledge, Cultural Traditional & Practices of India” organized by “ Gurukula Kangri(DU), Haridwar” from 29-31 March, 2023.
21. Dr. Aman Tyagi presented a paper entitled “Vedic IOMT based treatment of Asthma” in National conference on Knowledge, Cultural Traditions & Practices of India organized by GK(DU), Haridwar on 29 March 2023.
22. Dr. Aman Tyagi published a paper entitled “Application of IOMT for Smart Healthcare Systems” in National Conference on Science and Technology for All (NCSTA) organized by The Indian Science Congress Association: Haridwar Chapter on 19 March, 2023.
23. Vivudh Fore published a paper entitled "Comparative study using RSM ANN and SVM modelling for Biodiesel production from Karanja oil by developed microwave set up." In 2023 1st International Conference on Intelligent Computing and Research Trends (ICRT), pp. 1-16. IEEE, 2023.

Annexure 4

Awards

1. Dr. Suyash Bhardwaj Awarded with Active SPOC Award for Jan- Apr 2022 Sessions on July 16, 2022 by National program on technology enhanced learning, NPTEL, Govt. of India.
2. Dr. Suyash Bhardwaj Awarded with Active Mentor Award for Jan – Apr 2022 Session at NPTEL SPOC Felicitation workshop at IIT Kanpur, Kanpur, U.P. on the date on July 16, 2022 by National program on technology enhanced learning, NPTEL, Govt. of India.
3. Dr. Suyash Bhardwaj Awarded with Active SPOC Award for July- Dec 2022 Sessions at NPTEL SPOC Felicitation workshop at IIT Kanpur, Kanpur, U.P. on the date on Feb 19, 2023 by National program on technology enhanced learning, NPTEL, Govt. of India.
4. Dr. Suyash Bhardwaj Awarded with Best Teacher Award by Motherhood University, Roorkee on the occasion of Teachers felicitation program 2023 on 30 April 2023.

Annexure 5

Patent Published

1. Dr. Mayank Aggarwal published a patent titled “Method for leveraging of IoT and Artificial Intelligence for enhanced data security”. Date 20/01/2023. Application No: 202311001305.
2. Dr. Mayank Aggarwal published a patent titled “Artificial Intelligence and Internet of Things based system for enhanced fog management in smart cars”. Date 20/01/2023. Application No: 202311001292.
3. Dr. Mayank Aggarwal published a patent titled “Home security revolutionizing methods using integration of IoT and Artificial Intelligence”. Date 20/01/2023. Application No: 202311001302.
4. Dr. Mayank Aggarwal published a patent titled “Method for enhancing bank security with IOT and Artificial Intelligence” . Date 20/01/2023. Application No: 202311001303.
5. Dr. Mayank Aggarwal published a patent titled “Method for enhancing shopping mall security with IOT and Artificial Intelligence” . Date 20/01/2023. Application No: 202311001304.
6. Dr. Suyash Bhardwaj, published a patent titled “IOT based system in Car to avoid collision on National highway” as Indian Patent registered in the Official Journal of the Patent Office, Issue

No. 19/2023 Friday Date: 12/05/2023 with filed on 26/03/2023 Published on 12/05/2023. Patent no. 02311021605.

7. Mr. Namit Khanduja published a patent titled “A Machine Learning Approach For Iot Device Identification Based On Network Traffic Analysis And Method Thereof” patent no. 202241035060 in year 2022-23.
8. Mr. Ashwani published an Indian Patent titled “IOT based system in car to avoid collision on national highway” on May 2023, Patent Number – 202311021605.
9. Mr. Aman Tyagi published an Indian Patent titled “IOT based system in car to avoid collision on national highway” on May 2023, Patent Number – 202311021605.

Annexure 6

No. of Projects sanctioned

1. Dr. Mayank Aggarwal got a research project titled “Development of Blockchain Platform(NGBP) for awareness, verification, validation, record keeping and rewarding for cleaning of Holy river Ganga” sanctioned by UCOST in March,2023.

Annexure 7

Invited Talk Delivered

1. Dr. Mayank Aggarwal delivered an invited Talk on “Exploring Blockchain” in FDP conducted by Sharda University, Noida on 29/6/23.
2. Dr. Mayank Aggarwal delivered an invited Talk on “Research Methodology” in USERC Sponsored Workshop conducted by UETR, Roorkee on 28/2/23.
3. Dr. Mayank Aggarwal delivered invited Talk on “Security using Block chain” in USERC Sponsored Workshop conducted by UETR, Roorkee on 8/2/23.
4. Dr. Mayank Aggarwal delivered an invited Talk on “Block chain Introduction and Hands On with Ethereum” in SERB Sponsored Workshop conducted by IIIT-Kota on 28/11/22 and 29/11/22.
5. Dr. Mayank Aggarwal delivered an invited Talk on “Cryptocurrency a new era in virtual labour market and legal issues” in FDP conducted by GNDU, Amritsar on 13/7/22.
6. Dr. Suyash Bhardwaj Delivered an invited talk on “New Education Policy” in Department of Physical Education, Gurukul Kangri Deemed to be University, Haridwar and Sports on 05 September 2022.
7. Dr. Suyash Bhardwaj Delivered an invited talk on “Design Thinking for Innovation, Better future and Sustainable Development” in Quantum University, Roorkee on 15 September 2022.
8. Dr. Suyash Bhardwaj Delivered an invited talk on “Audio Video Recording Tools, Screencast training and uses” in Uttarakhand Sanskrit University in online mode on 21 October 2022.
9. Dr. Suyash Bhardwaj Delivered an Invited talk on “Deep Learning and its application” in University of Engineering & Technology, Roorkee, Haridwar on 31 October 2022.
10. Dr. Suyash Bhardwaj Delivered an Invited Keynote address on “Innovative Thinking and Development” and acted as session chair in IEEE conference on Fourth Industrial Revolution based Technology and Practices (ICFIRTP-2022) at Quantum University, Roorkee on 23 November 2022.
11. Dr. Suyash Bhardwaj Delivered an Invited Talk on Tips of Project Development and Android Programming in Dev Sanskriti Vishwavidyalaya, Haridwar on 03 December 2022.

12. Dr. Suyash Bhardwaj Delivered an Invited Talk on “NPTEL Awareness and Enrolment Process” in Faculty of Engineering & Technology, Gurukula Kangri Deemed to be University Haridwar on 06 Feb, 2023.
13. Dr. Suyash Bhardwaj Delivered an Invited talk on “Data Processing using GPT” in National Workshop on Data Analytics using Advanced Mathematical Tools, organized by Faculty of Engineering & Technology, Gurukula Kangri Deemed to be University, Haridwar on 18 March, 2023.
14. Dr. Suyash Bhardwaj Delivered an Invited talk on “Applications of Animation & Multimedia” in class B.Sc. in HEC group of Institutions, Haridwar on 28 April, 2023.
15. Dr. Suyash Bhardwaj Delivered an Invited talk on “Web Technologies” in DSVV, Shantikunj on 04 May, 2023.
16. Delivered an Invited talk on “Artificial Intelligence” in UCOST Science and Technology Communication Program at Almora on 19 May 2023.
17. Dr. Suyash Bhardwaj Delivered an invited talk on “Audio Video Recording Tools, Screencast training and uses” in Uttarakhand Sanskrit University in online mode on 25 May 2023.
18. Mr. Deepak Painuli delivered an invited talk on IT Awareness at Kanya Gurukul, GKV-Haridwar on 19/11/22.
19. Mr. Deepak Painuli delivered an invited talk on Journal Scope and Validation on UGC Care, Web of Science & Scopus at FET-GKV, Haridwar on 27/02/2023

Annexure 8

FDP/Workshop Attended

1. Dr. Suyash Bhardwaj attended National Workshop on “Tech4Seva at Regional Level” organized by Regional Coordinating Institute, Unnat Bharat Abhiyan, Indian Institute of Technology Roorkee on July 30, 2022.
2. Dr. Suyash Bhardwaj attended National Workshop on “Data Analytic and Learning” organized by Department of Information Science & Engineering, JSS Science and Technology University, Mysuru from 05 September 2022 to 10 September 2022 in online mode.
3. Dr. Suyash Bhardwaj attended Professional Development workshop on “Digital Creativity skills” as a part of Adobe Academic Essentials Program on 26 November 2022 in online mode.
4. Dr. Suyash Bhardwaj attended National workshop on “Disaster Awareness and Training Program on A Primary /Secondary Education Interventions” Organized by Regional Coordinating Institute (RCI), Unnat Bharat Abhiyan (UBA) and South Asia Alliance of Disaster Research Institutes – Young Professional Platform (SAADRI-YPP) Indian Institute of Technology Roorkee on 28 January, 2023.
5. Dr. Suyash Bhardwaj attended Faculty development program on “Artificial Intelligence, Machine Learning and Interdisciplinary Approach for Natural Language Processing” organised by Roorkee Institute of Technology from 9 February 2023 to 14 February 2023.
6. Dr. Suyash Bhardwaj attended Faculty Development program on “Research Methodology and Communication” organized by Faculty of Science, Motherhood University, Roorkee and ISCA: Haridwar Chapter from 23 March 2023 to 28 March 2023.
7. Dr. Nishant Kumar has successfully completed the One Week National Workshop on "Science Communication & Research Methodology" From 12th - 17th December 2022, organized by Department of Zoology & Environmental Science. Gurukula Kangri (Deemed to be University), Haridwar, Uttarakhand, Sponsored by National Council for Science &

Technology Communication, Department of Science & Technology, Govt. of India, New Delhi.

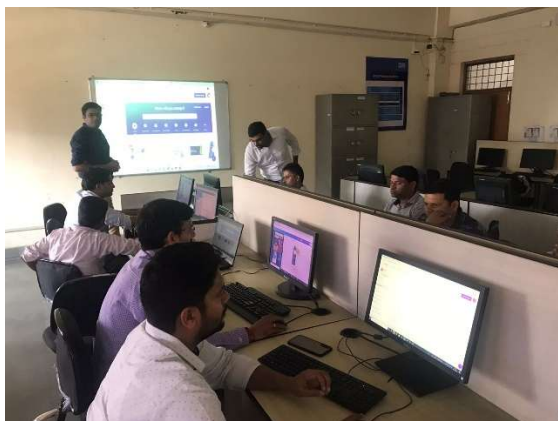
8. Mr. Namit Khanduja attended National Workshop on “Data Analytics Using Advanced Mathematical Tools” DAUAMT-23 organized by Department of Applied Science, FET,GK(DU) from 13-18, March 2023.
9. Mr. Deepak Painuli attended AICTE Recognized Two-week Blended/Hybrid mode Faculty Development Programme on “Academic Leadership” organized by Gurukula Kangri Vishwavidyalaya, Haridwar at FET Campus – GKV, Haridwar from 19-09-2022 to 30-09-2022.
10. Mr. Deepak Painuli attended USERC Sponsored One Week National Workshop on “Data Analytics Using Advanced Mathematical Tools (DAUAMT-2013) organized by Gurukula Kangri Vishwavidyalaya, Haridwar at FET Campus – GKV, Haridwar from 13-03-2023 to 18-03-2023.
11. Mr Ashwani attended Induction Program organized by Faculty of Education & Training Gurukula Kangri (Deemed to be University) Haridwar from 05.04.2022 to 13.04.2022.
12. Mr Aman Tyagi attended Induction Program organized by Faculty of Education & Training Gurukula Kangri (Deemed to be University) Haridwar from 05.04.2022 to 13.04.2022.
13. Mr. Aman Tyagi Participated and successfully completed the 5-day Online FDP on “Inculcating Universal Human Values in Technical Education” organized by AICTE from 16th Jan to 20th Jan 2023.
14. Dr. Aman Tyagi, participated in “Behind the Scenes with Editors-in-Chief: A Live Interaction Session on Research Writing, Journal Review, and Handling Rejection” on 15th Sept 2022 organized by Enago.
15. Dr. Aman Tyagi has successfully completed “Teach forward: Best strategies for hybrid, remote, and blended learning” on August 6, 2022.
16. Dr. Aman Tyagi has successfully completed “Enable student success with blended learning solutions in higher education” on August 6, 2022.
17. Dr. Aman Tyagi, participated in one day workshop on “Teaching and learning method in Science & Technology” on 9th January 2023 organized by Faculty of Engineering & Technology, Gurukula Kangri (Deemed to be University).
18. Dr. Aman Tyagi, participated in “The National Workshop on Research and Innovation by Researchers for researchers organized by department of computer Science and Engineering Faculty of Engineering & Technology, Gurukula Kangri (Deemed to be University), Haridwar in joint collaboration with IIC Cell GKDU, G20 events committee & NDLI Club on 27th February, 2023.
19. Dr. Aman Tyagi, has participated in the “Role of ChatGPT & Other AI Tools in Academic Publishing: Opportunity or a Threat?” on 23 may 2023 by Enago.
20. Dr. Aman Tyagi, working as organizing member of Student Induction Program (SIP) on 15 November to 25 November 2022 organized by Faculty of Engineering & Technology, Gurukula Kangri (Deemed to be University).
21. Mr. Vivudh Fore attended Faculty development program on “Artificial Intelligence, Machine Learning and Interdisciplinary Approach for Natural Language Processing” organised by Roorkee Institute of Technology from 9 February 2023 to 14 February 2023.

Annexure 9

Events Organized:

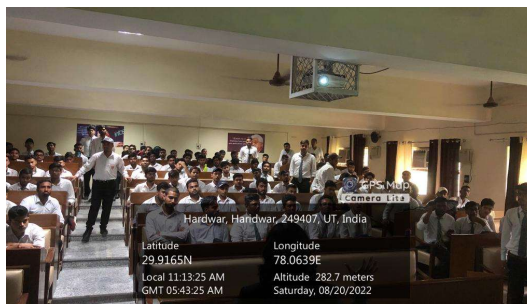
Canva Workshop on 18 August 2022

Department of Computer Science & Engineering organized a workshop on Canva software for all teaching and non-teaching faculty. The event was coordinated by Dr. Suyash Bhardwaj and Dr. Nishant and Dr. Gaurav Malik acted as resource person. The event was a great success as the participants did the hands on practice to make posters and banners of a mock event and were assisted by resource person in doing so. Dr. Nishant explained various techniques of inserting elements in the poster, rotation and colour changes etc.



Technology Awareness Session and Orientation Workshop on 20/08/2023

Communicode club of Department of Computer Science & Engineering, Faculty of Engineering & Technology, Gurukula Kangri Deemed to be University, Haridwar organized a “Technology Awareness Session and Orientation Workshop” of Club members on Saturday, 20/08/2022 in CSE, Seminar hall. Mr. Chirag Goel, an alumnus of Department of CSE currently working as Senior SDE at Microsoft acted as invited speaker. All the students of first year participated in this program. Dr. Nishant Kumar coordinated the session.



Cyber Security workshop 17 august 2022

A technology awareness and cyber security session was organized in the faculty of engineering on 17 august 2022 to aware the faculty and staff about the various cyber threats that can happen while working online. The event was a great success with huge participation from the faculty and staff.



Harsh Walia elected as coordinator for Google Developer Club of Faculty of Engineering and Technology on 24 July 2022

During the election conducted in the Google developer club, Harsh Walia was selected as the new coordinator of the Google Developer Club of the Faculty of Engineering and Technology. Google Developer Club is working in the Faculty of Engineering and Technology for the last few years. Under which all the students are introduced to new technologies and technical training is given. Some of the programs organized under this are mainly cloud introduction workshops, Google Developer Club activities etc. Dr. Mayank Aggarwal, Head of the Department congratulated Harsh and also motivated to organize more and more programs in the university which is opening after the corona epidemic. Dr. Suyash Bhardwaj also congratulated Harsh and encouraged him to take the Google Developer Club to new heights. About 50 students participated in the program.



Induction Program 15-25 Nov 2022

Dr. Vinay Sethi and Dr. Udham Singh Delivered lecture for the first year students in induction program organized by department of CSE during 15 -25 November 2022.



Industry Academia Meet 2 July 2022

Prof. Anil D. Shasrbuddhe, Director AICTE inaugurated the newly constructed hostel for the SC/ST students in FET on 2 July 2022 during a program on industry academia meet.



MSME Program on 5 Nov 2022

A program on Micro and Small scale organization and funding was organized in Faculty of engineering and technology on 5 November 2022. The students and faculty were introduced about the platform of MSME govt. of india for project proposals.



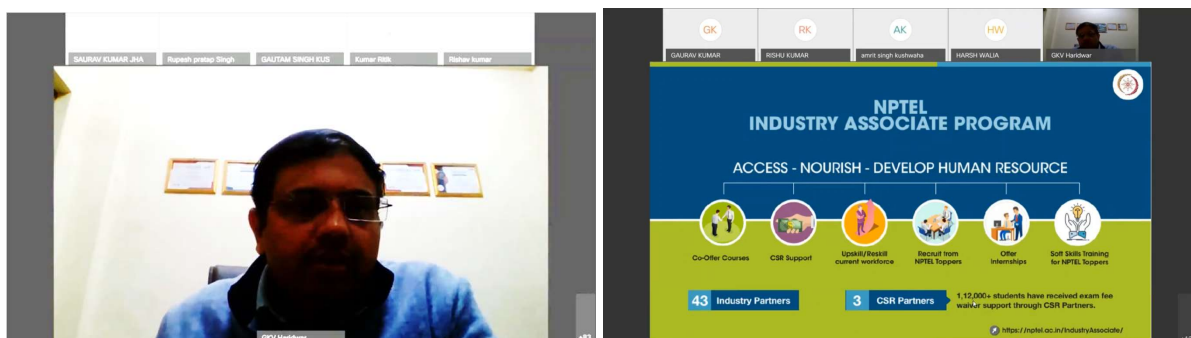
New Age Skills for better future opportunities on 10 September 2022

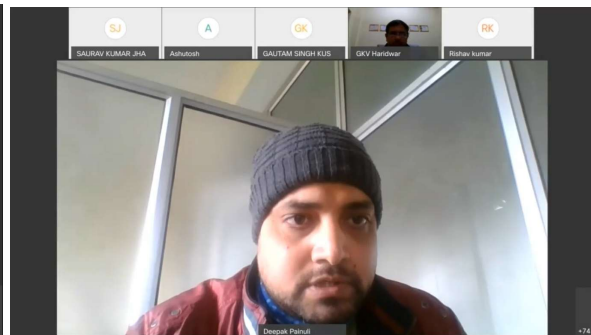
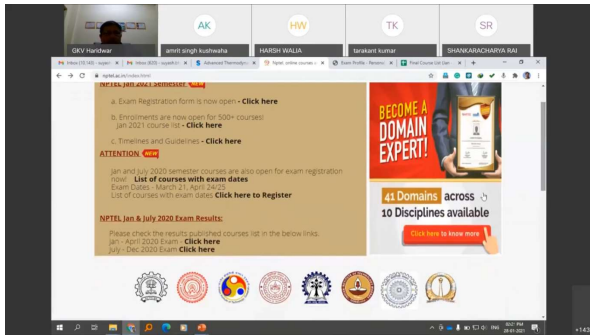
Department of Computer Science & Engineering organized a workshop on “New Age Skills for better future opportunities” in collaboration with NIIT Technologies, Noida for all the students of FET, Gurukula Kangri (DTBU), Haridwar. Dr. Mayank Aggarwal welcomed the guests. Mr Saaranish, Manager NIIT Limited, Noida acted as resource person and delivered a lecture on new career prospective for engineers after B.Tech. The event was coordinated by Dr. Suyash Bhardwaj and Mr. Aman Tyagi.



NPTEL Awareness Workshop on 28 January, 2021

NPTEL Awareness Program was organized in FET on 28 January 2021. Dr. Suyash Bhardwaj, SPOC GKV, presented the aim and objectives of SWAYAM NPTEL and introduced the students with the NPTEL Portal explaining the enrollment process and course selection. The program was a great success with more than 100 participants. Mr. Deepak Panuili coordinated the program and presented the vote of thanks.





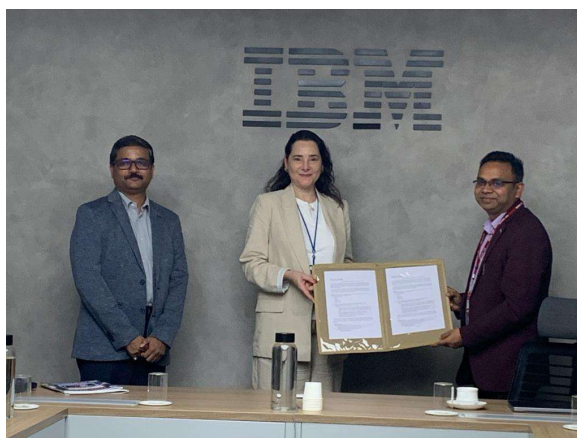
Teachers Day Celebration in Department of CSE 5 Sep 22

Students of CSE, third year celebrated the teacher's day in department of CSE and invited the faculty members in this event. The students demonstrated their skills by participating in extempore and debate competition. Some students also presented their thought on teacher's day with poem recitation. The event was coordinated by the students. Around 80 students participated in the program.



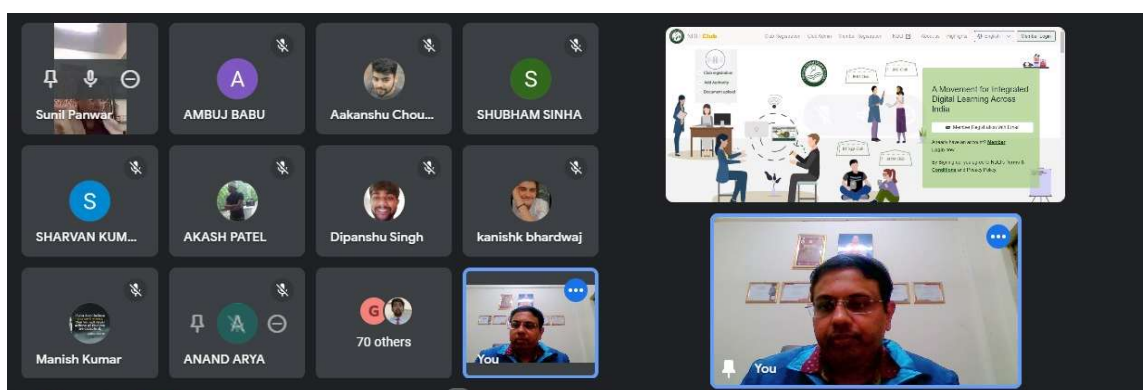
MoU signed with IBM

IBM invited Dr. Mayank Agarwal for roundtable discussions held at IBM Gurugram on 21 feb,2023 to discuss how academia and industry can collaborate for mutual benefits. How students can be provided with the courses necessary to build their career in industry, and about IBM Skill Academy. Dr.Mayank Aggarwal shared his experience of FET's collaboration with IBM and FET students and staff have benefitted from IBM courses in past years. A recent MoU which was signed between IBM and GK(DU) was also exchanged there.



NPTEL Awareness Workshop on 06 February, 2023

NPTEL Awareness Program was organized in FET on 06 February 2023. Dr. Suyash Bhardwaj, SPOC GKV, presented the aim and objectives of SWAYAM NPTEL and introduced the students with the NPTEL Portal explaining the enrollment process and course selection. This year around 20 students have received gold and silver awards along with special certificates. The program was a great success with more than 100 participants.



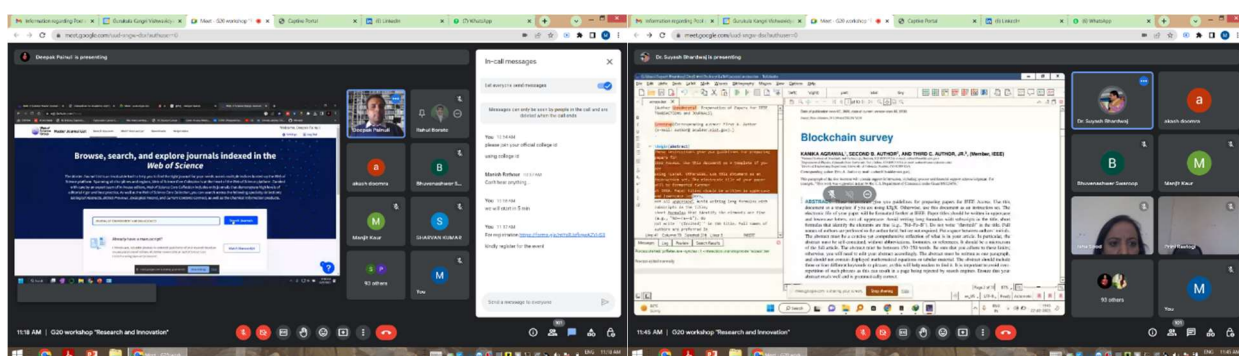
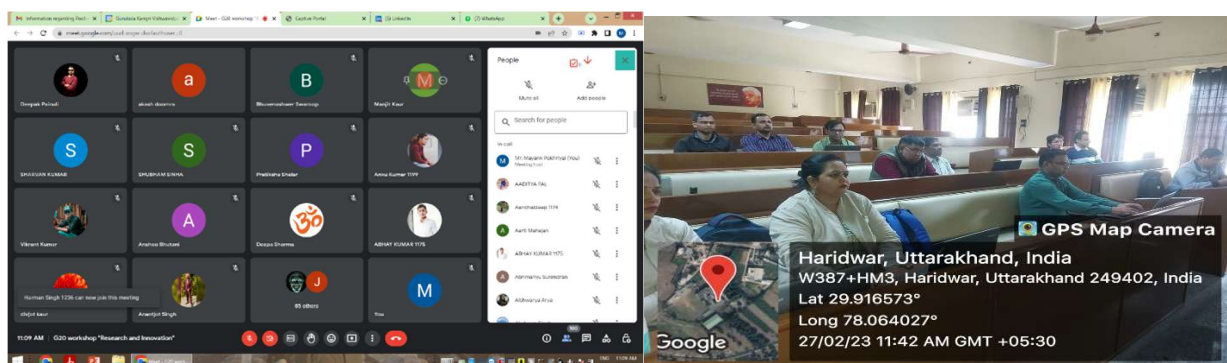
Dr. Suyash Bhardwaj awarded with Active SPOC Award

Dr. Suyash Bhardwaj Awarded with Active SPOC Award for July- Dec 2022 Sessions on Feb 19, 2023 by National program on technology enhanced learning, NPTEL, Govt. of India.



National workshop on “Research and Innovation” 27 Feb 2023

National workshop on Research and Innovation was organized in hybrid mode (online and offline) on 27 Feb, 2023. A total of 100 Participants were present during the workshop. Prof. Mayank Aggarwal, Head, Dept. of CSE, FET, GK(DU), Haridwar shared his views on the Research and Innovation. Mr. Deepak Painuli, Assistant professor, CSE delivered his talk on journal scope and validation. Ms. Kanika Agrawal delivered his talk on Latex. Mr. Vivek Arya delivered his talk on Patent drafting and application process. Mr. Atul Varshnay delivered his talk on How to write a research paper. The session ended with Shanti path.



Workshop on Data Analytics Using Advanced Mathematical Tools 13-18 March 2023

A one-week National Workshop on **Data Analytics Using Advanced Mathematical Tools (DAUAMT-23)** was organized by the Department of Applied Science, Gurukula Kangri (Deemed to be University), Haridwar in collaboration with Uttarakhand Science Education and Research

Centre (USERC), Dehradun during 13-18 March, 2023. Dr. Mayank Aggarwal and Dr. Suyash Bhardwaj Delivered invited talk in the above workshop



Dr. Suyash Bhardwaj was awarded with Best Teacher Award by Motherhood University, Roorkee on the occasion of Teachers felicitation program 2023 on 30 April 2023.



डॉ. सुयश भारद्वाज को सम्मानित किया

हरिद्वार (बढ़ी विशाल)। डॉ. सुयश भारद्वाज को मद्रहड़ यूनिवर्सिटी, रुड़की द्वारा प्रतिष्ठित शिक्षक पुरस्कार से सम्मानित किया गया है। विश्वविद्यालय द्वारा आयोजित शिक्षक कार्यक्रम के सम्मान समारोह के दौरान उन्हें यह पुरस्कार कुलपति प्रोफेसर नरेंद्र शर्मा ने प्रदान किया गया। डॉ. सुयश भारद्वाज को शिक्षा और शिक्षण के क्षेत्र में उनके असाधारण योगदान के लिए पहचाना गया है। उनको कई बार एनपीटीईएल, माइक्रोसॉफ्ट, आईआईटी कानपुर एवं अन्य संस्थाओं द्वारा भी पुरस्कृत किया जा चुका है। डॉ. सुयश भारद्वाज भारतीय विज्ञान कांग्रेस और कंप्यूटर सोसायटी ऑफ इंडिया के सदस्य हैं। वह एनपीटीईएल लोकल चैंपियन और गुरुकुल कांगड़ी के उन्नत भारत अभियान प्रकोष्ठ का भी नेतृत्व कर रहे हैं। शिक्षा के प्रति उनका समर्पण अनुकरणीय रहा है। उन्होंने इस क्षेत्र में वैश्विक कार्यक्रमों के विकास में महत्वपूर्ण योगदान दिया है। शिक्षा के क्षेत्र में अपने योगदान के अलावा डॉ. भारद्वाज सामाजिक कार्यों में भी शामिल हैं। वह प्रेस और मीडिया के संयोजक के रूप में भारत विकास परिषद से जुड़े हुए हैं और स्वास्थ्य शिविरों के आयोजन, मुक्त राशन विचार्य और सामाजिक कल्याण के लिए जागरूकता अभियान आयोजित करने में महत्वपूर्ण भूमिका निभाते रहे हैं। शिक्षा और सामाजिक कार्यों के प्रति डॉ. भारद्वाज के समर्पण ने उन्हें अपने साथियों, छात्रों और व्यापक समुदाय से उच्च प्रशंसा और पहचान दिलाई है। शिक्षा और समाज कल्याण के माध्यम से दूसरों के जीवन को बेहतर बनाने के उनके अथक प्रयास वास्तव में प्रेरणादायक हैं।

डॉ. सुयश भारद्वाज को शिक्षा और शिक्षण के क्षेत्र में किया गया सम्मानित

रुड़की। डॉ. सुयश भारद्वाज को मदरहुड यूनिवर्सिटी, रुड़की द्वारा प्रतिष्ठित सर्वश्रेष्ठ शिक्षक पुरस्कार से सम्मानित किया गया है। विश्वविद्यालय द्वारा आयोजित शिक्षक कार्यक्रम 2023 के सम्मान समारोह के दौरान उन्हें यह पुरस्कार माननीय कुलपति प्रोफेसर नरेंद्र शर्मा द्वारा प्रदान किया गया। डॉ. सुयश भारद्वाज को शिक्षा और शिक्षण के क्षेत्र में उनके असाधारण योगदान के लिए पहचाना गया है। उनको कई बार एनपीटीईएल, माइक्रोसॉफ्ट, आईआईटी कानपुर एवं अन्य संस्थाओं द्वारा भी पुरस्कृत किया जा चुका है। डॉ. सुयश भारद्वाज भारतीय विज्ञान कांग्रेस और कंप्यूटर सोसायटी ऑफ इंडिया के एक निपुण सदस्य हैं। वह एनपीटीईएल लोकल चैप्टर और गुरुकुल कांगड़ी के उन्नत भारत अभियान प्रकोष्ठ का भी नेतृत्व कर रहे हैं।



शिक्षा के प्रति उनका समर्पण अनुकरणीय रहा है, और उन्होंने इस क्षेत्र में शैक्षिक कार्यक्रमों के विकास में महत्वपूर्ण योगदान दिया है। शिक्षा के क्षेत्र में अपने योगदान के अलावा, डॉ. भारद्वाज



सामाजिक कार्यों में भी शामिल हैं। वह प्रेस और मीडिया के संयोजक के रूप में भारत विकास परिषद से जुड़े हुए हैं और स्वास्थ्य शिविरों के आयोजन, मुफ्त राशन वितरण और सामाजिक कल्याण

के लिए जागरूकता अभियान आयोजित करने में महत्वपूर्ण भूमिका निभाते रहे हैं। शिक्षा और सामाजिक कार्यों के प्रति डॉ. भारद्वाज के समर्पण ने उन्हें अपने साथियों, छात्रों और व्यापक समुदाय से

उच्च प्रशंसा और पहचान दिलाई है। शिक्षा और समाज कल्याण के माध्यम से दूसरों के जीवन को बेहतर बनाने के उनके अथक प्रयास वास्तव में प्रेरणादायक हैं।

डॉ. भारद्वाज को मिला सर्वश्रेष्ठ शिक्षक पुरस्कार

हरिद्वार। गुरुकुल कांगड़ी विवि के शिक्षक डॉ. सुयश भारद्वाज को मदरहुड विवि रुड़की में सर्वश्रेष्ठ शिक्षक पुरस्कार से सम्मानित किया गया है। यह पुरस्कार उन्हें कुलपति प्रो. नरेंद्र शर्मा ने प्रदान किया। विवि के कुलपति प्रो. सोमदेव शतांशु, कुलसचिव प्रो. सुनील कुमार सहित विवि के शिक्षकों और कर्मचारियों ने डॉ. सुयश भारद्वाज को बधाई दी है।

डॉ. सुयश को मिला सर्वश्रेष्ठ शिक्षक पुरस्कार

हरिद्वार। गुरुकुल कांगड़ी विवि के उन्नत भारत अभियान प्रकोष्ठ का नेतृत्व करने वाले डॉ. सुयश भारद्वाज को मदरहुड यूनिवर्सिटी रुड़की की ओर से सर्वश्रेष्ठ शिक्षक पुरस्कार से सम्मानित किया गया है। कुलपति प्रोफेसर नरेंद्र शर्मा की ओर से सम्मान दिया गया। डॉ. सुयश भारद्वाज को शिक्षा और शिक्षण क्षेत्र में उनके सहायनीय कार्य के लिए यह सम्मान मिला है। डॉ. सुयश भारद्वाज भारतीय विज्ञान कांग्रेस और कंप्यूटर सोसायटी ऑफ इंडिया के सदस्य हैं। संवाद

Environment Pledge Program

Date 17 May 2023

a program called "Pledge of Life Style for Environment" was organized by Unnat Bharat Abhiyan cell GKDU on May 17, 2023, in the Faculty of Engineering and Technology,. Coordinator of UBA Cell Dr. Suyash Bhardwaj administered the oath to all the students and teachers. Faculty Dean, Dr. Sunil Panwar, presiding over this program, said that environmental protection is the need of the day. Around 25 students were present.



हरिद्वार। गुरुकुल कांगड़ी विश्वविद्यालय के अभियांत्रिकी एवं प्रौद्योगिकी संकाय में पर्यावरण जागरूक कार्यक्रम की अध्यक्षता कर रहे संकायाध्यक्ष डॉ. सुनील पंवार ने कहा कि पर्यावरण संरक्षण आज की आवश्यकता है। छात्रों को पर्यावरण संरक्षण की शपथ दिलाई गई है। इस कार्यक्रम में डॉ. एमएम तिवारी, डॉ. विवेक गोपाल, मयंक पोखरियाल, बिपिन कुमार आदि उपस्थित रहे।

जागरण संवाददाता, हरिद्वार : गुरुकुल कांगड़ी समितिवि के अभियांत्रिकी एवं प्रौद्योगिकी संकाय में बुधवार को उन्नत भारत अभियान के समन्वयक डा. सुश्या भारद्वाज ने सभी छात्र एवं शिक्षकों को पर्यावरण संरक्षण के लिए समर्पित जीवन शैली की शपथ दिलायी गयी। संकायाध्यक्ष डा. सुनील पंवार ने कहा कि पर्यावरण संरक्षण आज की आवश्यकता है।

[illegible]

हरिद्वार। गरुकुल कांगडी विवि के अभियांत्रिकी एवं प्रौद्योगिकी संकाय में बुधवार को पर्यावरण संरक्षण की छात्र एवं शिक्षकों को शपथ दिलाई गई। उन्नत भारत अभियान के समन्वयक डॉ. सुयश भारद्वाज ने कहा कि पर्यावरण संरक्षण के लिए जीवन शैली की प्रतिज्ञा कार्यक्रम चलाया गया है।

अभियान का मकसद पर्यावरण संरक्षण के प्रति लोगों को जागरूकता करना है। उन्होंने इसके लिए सामूहिक आवश्यकता पर जोर दिया और कहा कि जीवन शैली विकल्पों में छोटे बदलाव से महत्वपूर्ण पर्यावरणीय लाभ हो सकते हैं। संकायाध्यक्ष डॉ. सुनील पंवार ने अध्यक्षता करते हुए कहा कि पर्यावरण संरक्षण आज की आवश्यकता है। उन्होंने जागरूकता के लिए शैक्षणिक संस्थानों की भूमिका पर जोर दिया।

इस दौरान डॉ. एमएम तिवारी, डॉ. विवेक गोयल, मयंक पोखरियाल, बिपिन कुमार समेत कई लोग मौजूद रहे। मा.सि.रि

Recent Placements and Academic Progression

S.NO	Student Name	Batch	Company Name	Location
1.	Ashutosh Kumar	2018-22	Audax Labs private limited	Noida
2.	Satyam Koshta	2019-23	TATA Consultancy Services Limited	WFH
3.	Aryan Sahu	2019-23	Hexaview	Noida
4.	Vijay	2019-23	Kloudrac Groups	Noida
5.	Nitin Pundir	2019-23	PrepInsta	--
6.	Abhishek kumar	2018-22	Jio platforms limited	Reliance corporate park, ghansoli, Navi Mumbai 400701
7.	Rachit Kaushik	2018-22	Hexaview Technologies Inc.	Noida
8.	Baljeet Singh	2018-22	Capillary Technology	Bangalore
9.	Anurag Shukla	2018-22	Reliance Jio	Navi Mumbai
10.	Chirag Patel	2019-23	CarHp (Collegedunia)	--
11.	Rajeev Kumar Singh	2018-22	Jio Platforms Limited	Navi Mumbai
12.	Shabbir Poswal	2019-23	Bebo Technology	Chandigarh
13.	Ashish Pal	2019-23	Newgen Software Technologies Limited	Noida
14.	Surya Pratap	2019-23	Codestore Pvt Ltd	Noida

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Student Name	Batch	Percentile
Sawan Kumar Bhagat	2019-23	77.58
Sai Krishna Uppugalla (Gre)	2019-23	--
Vijay	2019-23	89.73
Koppaka Vamana Sesha Sai Siddartha (Gre)	2019-23	87
Priyanshu Kumar	2019-23	88.57
Happy Jangir	2019-23	88.19
Shivam Kumar	2019-23	97.60
Pradeep Kumar	2019-23	94.64
Pankaj Kumar	2019-23	81.52
Shabbir Poswal	2019-23	90.26
Adarsh Tiwari	2019-23	99.36
Sachin Maurya	2019-23	94.27