Activity Report 2020-21

S.NO	NAME OF ACTIVITY	DEPARTMENT	DATE
1	Webinar on Machine Learning & Artificial Intelligence	IT	20th April 2020
2	Webinar on Network Security	IT	15th May 2020
3	Departmental interaction	IT	30th May 2020
4	Online Quiz on COVID-19	IT	30th May 2020
5	Expert talk on Digital Technologies: Robotics	IT	03rd June 2020
6	Alumni Talk Series	IT	2nd June 2020
7	Symposiums on Growing Importance of Digital skills	IT	25 September 2020
8	Guest Lecture on Machine learning & IT related issues	IT	26th September 2020
9	Technical Quiz minor activity	IT	28th September 2020
10	Workshop on Interaction with industry for technology transfer	IT	28 December 2020
11	Guest Lecture on Innovative Approach towards software industry on	IT	09th January 2021

Webinar on Machine Learning & Artificial Intelligence on 20th April 2020 by Mr. Rahul Pathak

The department of IT is organized a Webinar on the topic of "**Machine Learning & Artificial Intelligence** on **20th April 2020**. The speaker for Webinar is **Mr.Rahul Pathak** who has started career as a software engineer in H3 technologies primarily working in the Java application development domain. He is currently working as a freelancer expert in artificial intelligence and Machine Learning**.**

There were more than 200 registrations from both within IIMT Group and outside the IIMT**.** He discussed about the Popularity and need of the Machine Learning, Artificial intelligence, Internet of Thing, Artificial neural Network, Python programming In ML he discussed about the learning techniques of Machine ,chess board example and some hands on programming with some general example like how the machine will identify the vehicle plate number at traffic signal. He discussed about the machine learning techniques that are supervised, unsupervised and reinforcement learning technique. He discussed the application of artificial intelligence in day to day life shopping complex, health care department, entertainment, finance etc. He also discussed about the python programming and some programs and relates it with machine learning techniques. He also discussed the subset of machine learning deep learning. He discussed the roles of Data science in machine learning as well as in deep learning.

Webinar on Network Security on 15 May 2020 by Dr. Karan Singh, Faculty at JNU, New Delhi

The department of IT is organized a Webinar on the topic “Networks Security” on **16 may2020**. The speaker for Webinar is **Dr Karan Singh** who is working as **a professor in School of Computer & System Science JNU New Delhi.**

He discussed about the every phase of network security. He discussed Principal and algorithms of network security. He talked about the cryptography that is the basic of network security.

He discussed all the aspects of network security at the basic level to highest level of security. He discussed about the security threads and attack in the cyber security.

Departmental interaction on 30 May 2020

The department of IT is organized Departmental interaction with the student and department faculty on 30 may 2020. In this meeting Dr Gaurav Sinha , Director of IIMT college of Engineering and Dr Sanjay Pachauri ,Deputy Director of IIMT college of Engineering addressed the students and faculty member. Ms Pooja , Assistant Professor of IT Department was the coordinator of this activity. They discussed about how to students have to utilize this lockdown period for their academic activity, they describe how they learn the things from online. They encourage the student for the self study at home.

Online Quiz on COVID-19 on 30 May 2020

The department of IT is organized “ONLINE QUIZ ON COVID-19” ON 30 May 2020. The entire students to IT department fully participate in this quiz. Department conduct this quiz on whatsApp platform. This activity is coordinated by the Mr. Shekhar Tyagi, Assistant Professor of IT Department. We provide the E-certificate for the winner of the quiz.

Online Quiz Invitation

Expert talk on Digital Technologies: Robotics on 03 June 2020 by Mr. Ramit Kumar, USA

The department of IT is organized a Webinar on the topic "Expert talk on Digital Technology: Robotics" on **3rd June 2020**. The speaker for Webinar is **Mr Ramit Kumar** with excellent academic qualification and Experience "Digital Transformation Leader with 18+ years of specialized Project Development and Program Management experience " recently he is working as a wise president state street automation and Artificial Intelligent USA**.**

He discussed on analog Vs Digital Technology, Application Spectrum of Technology, what are the changes coming in 2020-2025 in Digital technology, also discussed about the Robotics Process Automation and Robotic involvement in human life after 5-10 years and what are the major issues facing in Robotics culture. These topics also help students in their future and his carriers.

Alumni Talk Series on 02 June 2020

The department of IT is organized a Webinar on "**Alumni Talk Series** on **2th June 2020**. The speaker for Webinar is **Mr.Guru Pratap Saini (**Senior Software Developer**) and Mr. Hari Prashad Sharma (Software Developer)** both started his carrier in IT industries.
There were more than 200 registrations from both within IIMT Group and outside the IIMT**.** They discussed the working Culture in IT industries and requirements and preparation to enter this field with the help of the final year project. They also discussed a gap between academic and industry knowledge and how to get them on and off-campus job. The main content of the discussion was on recently used technology like JavaScript, cloud computing, IoT, and webRTC and focused on the technical trend in academic and industries.

Symposiums on Growing Importance of Digital skills on 25 September 2020 by our Mr. Mano Viraj Singh, Ms. Sharvari Parik, and Mr. Vipin Gupta

The department of IT is organized a SYMPOSIUMS on the topic of "**Growing Importance of digital skills** on **25/10/2020**. The speaker for Symposiums is **Mr.Manoviraj Singh** who is consultant in IBM-CSRBOX, Ms. Sharvari Parikh she also working in IBM-CSRbox and Mr. Vipin Gupta working as a Sr. software engineer and consultant in TCS**.** They discussed about the need of the Digital skills, and the role of software engineer in the big organization. They also talk about the new technologies like Artificial intelligence, Internet of Thing, Artificial neural Network, Python programming He discussed about the learning techniques that are supervised, unsupervised and reinforcement learning technique. They also discussed about the python programming and some programs and relate it with AI techniques.

Guest Lecture on Machine learning & IT related issues on 26 September 2020 by Dr Rajeev Srivastava

The department of IT is organized a Guest Lecture on the topic of "**Machine Learning & IT related issues on 26/09/2020**. The speaker for Guest lecture is **Mr. Rajeev Srivastava** who is Head decision science Department in IMS Unisons University Dehradun, He discussed about the Popularity and need of the Machine Learning, Artificial intelligence, Python programming In ML he discussed about the learning techniques of Machine, chess board example and some hands on programming with some general example like how the machine will identify the vehicle plate number at traffic signal. He discussed about the machine learning techniques that are supervised, unsupervised and reinforcement learning technique. He discussed the application of artificial intelligence in day to day life shopping complex, health care department, entertainment, finance etc. He also discussed about the python programming and some programs and relates it with machine learning techniques. He also discussed the subset of machine learning deep learning. He discussed the roles of Data science in machine learning as well as in deep learning.

Technical Quiz minor activity on 28 September 2020 by Department of IT

The department of IT is organized a Technical Quiz as a minor activity on **28/9/2020**. The Faculty coordinator for this Quiz is **Mr. Shekhar tyagi** who is working as **an Assistant professor in IIMT group of college in IT department.**

Workshop on interaction with industry for technology transfer on 28 December 2020 by Mr. Nitin Pandit

With over 10 years of vast development experience on different technologies, Nitin Pandit is Microsoft awarded Most Valued Professional (Microsoft MVP) as well as a C# Corner MVP. His rich skill set includes developing and managing IT/Web-based applications in different technologies. Nitin possesses a master's degree in Computer Science and has been actively contributing to the development community for its betterment. He has written more than 100 blogs/articles and 3 eBooks on different technologies to help improve the knowledge of young technology professionals. He has trained more than one lakh students and professionals, as a speaker in workshops and App Fests, conducted in more than 25 universities of North India.
Nitin Pandit is currently working full time in Infragistics Inc. as a SC (Solution consultant) also running a Tech Community named as TutorialsLink.com.

He discussed many new technologies to our students.

Workshop on Technology transfer from industry expert on 22th December 2020 by Prof. (Dr.) Deepak Garg

Dr Deepak Garg is a Director leading India.AI and Head, Computer Science and Engineering, Bennett University and Director, NVIDIA-Bennett Center of Research on Artificial Intelligence He is leading the largest Skilling and research initiative in AI and deep learning in the country.

He is a chief consultant for algorithmguru.com, a resource for algorithms. Deepak is considered as one of the Algorithm and Algorithm and Deep Learning Gurus in India.
He has done his Ph.D. in efficient algorithm design in 2006. His active research interests are designing efficient deep learning algorithms. He is Senior Member of IEEE, Senior Member of ACM and Life Member of CSI, IETE.
He served as chair of IEEE Computer Society, India Council from 2012-2016 and on the Board of governors of IEEE Education Society, USA (2013-15). He has guided 11 PhD and 35 Master Students. He has handled funding of around INR 300 million from different grant issuing bodies including RAENG, UK on Mini-MOOCs and AI. Prof Garg has 100+ publications in various International Journals and conferences with 640+ citations and Google –index of 13

In his 20 years of experience he has delivered 300+ invited talks across the country. Deepak is an ABET PEV and serves on ABET criteria review committee of Computing Accreditation Commission. Dr Garg is Chair, Steering Committee for Annual IEEE International Advance Computing Conference (IACC-2009 – ongoing) and Chair, Steering Committee, Annual IEEE International MOOCs, Innovation and Technology in Education Conference(MITE-2012-Ongoing).

Deepak is an active blogger in Times of India with the tag name of “Breaking Shackles” and is passionate about transforming the landscape of Artificial Intelligence in India.

He discussed their experience to our participants in well manner.

Guest Lecture on Innovative Approach towards software industry on 09 January 2021 by Mohd. Shadman

Mohd. Shadman being part of the application development industry for about 2.6 years, I have worked on multiple iOS applications ranging from AR, social, payment tracking, real-time database, LMS, VMS, medical games to event-based apps. His interested areas like Gaming, Books, Anime, Learning, Start-ups/Tech, UI/UX Design.

He discussed innovative approaches towards software industry to our students.