AMITYSCHOOLOFENGINEERINGANDTECHNOLOGY
B.Tech(AllBranches)

2.3.1.Studentcentricmethods,suchasexperientiallearning,participativelearningandproblemsolving methodologies are used for enhancing learning experiences

S.NO.	INSTITUTE /SCHOOL	NAMEOFACTIVITYUNDEREXPERIENTIAL LEARNING(INDUSTRIALVISIT,INTERNSHIP, DISSERTATION,FIELDWORKANDMILITARY TRAINING)	NAMEOFACTIVITYUNDER PARTICIPATIVELEARNING/ PROBLEM SOLVINGMETHODOLOGIES(HANDS-ON-WORKSHOP,CONFERENCES, SEMINARANDINCLUSIVELEARNING)	DATE OF ACTIVITY
1	ASET	DEPARTMENTOFCIVILENGINERING conductedINDUSTRIALVISITon03 August 2017 at Motijheel Water treatment Plant, Motijheel ,Gwalior		8/3/2017
2	ASET	DEPARTMENTOFMECHANICAL& AUTOMATION ENGINERING ConductedINDUSTRIALVISITon4 August 2017 at Shri Ram Fibers Limited, (SRF) Malanpur, Gwalior		8/4/2017
3	ASET	DEPARTMENT OF ECE Conducted INDUSTRIALVISITon26SEP.2017at BSNL,Gwalior(AchleshwarExchange).		9/26/2017
4	ASET		Industrial Expert talk on Vigilanceby General Manager of Bharat Sanchar Nigam Limited(BSNLLtd.),Gwalior, Mr. Mahendra Singh Dhaker	11/2/2017
5	ASET		International Conclave on GlobalChallengesofTeaching Applied Sciences December18th2017	12/18/2017
6	ASET	Industrial visit was organized for 4th and 6th semester Civil Engineering students at Construction of Amity InternationalSchoolBuildingphaseII block B, at Gwalior on 30 Jan 2018 dated		1/30/2018
7	ASET		National Conference On Communication, Integrated Networks&SignalProcessing	1/31/2018

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8	ASET		InternationalConferenceon Information Systems and Management Science (ISMS 2018) 22 & 23 Feb 2018	2/22/2018
9	ASET		NationalConferenceOnSmart Materials, Energy& Environment for Smart Cities 28 February, 2018	2/28/2018
10	ASET	CivilEngineeringDepartmentofAmity UniversityMadhyaPradesharrangeda visit to the Madikheda dam, Shivpuri on 16th of August		8/16/2018
11	ASET		IndustrialTalkonSkillSetfor I.T.IndustriesbySh.Moses JohnWesleyMakam,Group HeadatWipro	9/7/2018
12	ASET	DEPARTMENTOFCOMPUTER SCIENCE AND ENGINEERING conductedIndustrialVisittoYPSILON IT SOLUTIONS PVT. LTD., UNIVERSAL INFOTECH13-15OCT'18		10/13/2018
13	ASET	Department of Electronics & CommunicationEngineeringofAmity School of Engineering & Technology, Amity University Madhya Pradesh, organized an Industrial Visit to Shivpurion29October18dated		10/29/2018
14	ASET		Industrial Expert Talk on Advanced technology in TelecommunicationbyGeneral Manager of Bharat Sanchar NigamLimited(BSNLLtd.), Gwalior, Mr. Lalit Yadav	11/2/2018
15	ASET		Expert Lecture by Dr. M.K. Trivedi,ProfessorandHOD, Civil Engineering, MITS Gwalior, M.P.	9/27/2019
16	ASET		National Conference on "Advances in Intelligent Computing and Communication Technologies (AICCT-2019)"	10/11/2019

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17	ASET	On 11th of October, students of Computer Science and Engineering Department of Amity School of EngineeringandTechnologywenton aneducationaltriptoADRDE,Agra.		10/11/2019
18	ASET		International Conclave in ResearchProgressbyDr.Lalit Garg, University of Malta.	1/17/2020
19	ASET	Department of Electronics & CommunicationEngineeringofAmity School of Engineering & Technology, Amity University Madhya Pradesh, organizedanIndustrialVisitto Malanpur on 06Feb'20		2/6/2020
20	ASET		TrendsandOpportunitiesin Software Industry BY Mr. Zeeshan Khan, Senior Full stack Developer, DXC Technologies, Indore,	5/16/2020
21	ASET		Development of Micro-Sensors and their Applications using Artificial Intelligence BY Dr. Rishi Sharma, Sr. Scientist , CentralElectronicsEngineering Research Institute (CEERI), Pilani, Rajasthan, Mob:9468707925	8/5/2020
22	ASET		Guest Lecture on "Role of Bioinformatics & Computational Biology in COVID-19(CORONAVIRUS) therapeutics"by Dr. Medha Pandya, M. K. Bhavnagar University,Bhavnagar,Gujarat	9/24/2020
23	ASET		International Conference on Recent Advances in Design, Materials and Manufacturing (ICRADMM2020)15&16Oct 2020	10/15/2020
25	ASET		Webinar on "Career Opportunities in Artificial IntelligenceandDataScience" by Mr. Abhishek Kumar, Engineer,NEXTWING INFOTECHPVT LTD	10/17/2020

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26	ASET		International Webinar titled "Career Opportunities in InternetofThings(IoT)".The talk was delivered by three speakers, Dr. Alhad Kuwadekar,workingasaChief Technology Officer (CTO) in i4Things BV, Netherland, Mr. Yeshwant Kakad, Technical Lead ,Deutsche Bank, Singapore and Mr. Aizaz Tirmizi, HR Manager, Sofcon IndiaPvtLtd,Bhopal(M.P.).	10/31/2020
27	ASET	visit to a multi-storeyed building constructionsiteatSirol,Gwalioron 21stNovember, 2020		11/21/2020
29	ASET		NationalWebinar on"Career in Networking - AMI CISCO Connect" through Online session via WebEx online Plateform by Mr. Ishvinder Singh, India Lead– NetAcad& Skills,SocialInnovationGroup, CISCO Systems, Email:ishvsing@cisco.com, Mobile:9911264795 Mr.RiteshKapahi,Sr.Director, Engineering, Cisco Systems, Email:kaps@cisco.com, Mobile:9845058228 Mr. Subodh Gajare, Sr. Solution Architect, Cisco Systems, Email:sugajare@cisco.com, Mobile:9972055700	1/10/2021
33	ASET		Webinaron"Entrepreneurship : Most Aspired Skill of 21st Century"byMr.SamBaisla, Founder of Nexel, Brand Samosa and Decodr	1/19/2021
34	ASET	An industrialvisit has been conducted bythedepartmentofCivilEngineering 22th January 2021 , Construction of Hostel Building H4 of AUMP, Gwalior.		1/22/2021
35	ASET		InternationalConferenceon Innovations in Smart Technology, Advanced	6/9/2021

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			MaterialsandCommunication Engineering(ISTAMCE-2021)	
36	ASET		7th International Day of Yoga-2021(Online) by Mrs. Rakhi Oswal,LifeCoach&Director-WeSafeIndia	6/21/2021
37	ASET		WebinaronInspiringResearch and Innovation at "Amity University, Gwalior" Using IEEE Publications by Ranbir S Sedhey, IEEE Client Services Manager India, Middle East (Asia)	7/27/2021
38	ASET		International Webinar on Development of Advanced Materials and their Characterizations by Dr (Mrs.) Chandana Rath, Coordinator and AssociateProfessor School of Materials Science and Technology, IIT(BHU) Varanasi, Dr. Pankaj Mohanty Lecturer, Department of Physics-Faculty of Science UniversityofJohannesburg,Dr. Nishant K Singh, Assistant Professor, Department ofBio-Medical Engineering, NIT Raipur, Dr. Gaurav Kapil Postdoctoral Researcher, ResearchCentreforAdvanced Science and Technology University of Tokyo, Japan in theareaofadvancedmaterials.	9/15/2021
39	ASET		NationalWorkshopon"Design andDevelopment ofIoT Based Applications" through Online session via Zoomonline PlateformbyMr.PranavTyagi, VicePresident,SENSEnutsIoT Suite & Smart City Solutions and Director & Co-Founder of Eigen Technologies Pvt Ltd, New Delhiand Mr. Ram Niwas, Firmware Engineer, Eigen Technologies Pvt. Ltd., Delhi	9/16/2021

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40	ASET		Workshopon"Industry4.0and IoT" throughMS Teamonline Plateform by Mr. Aizaz Timrizi, Design, Application, Project and Installation & Commissioning Engineering at SoftconIndia PvtLtd.	9/22/2021
41	ASET		Workshopon"Industry4.0 and IoT"Dated22 September,2021	9/22/2021
42	ASET	A visit of the Central Institute of PlasticsEngineeringand Technology (CIPET),Gwaliorhasbeenconducted formechanicalengineeringstudents on 25th November 2021		11/25/2021
43	ASET	Virtual Industrial Tour" delivered by Mr.MayankKumarSharmafounderof Amstech Incorporation Private Limited. on 29 November 2021		11/29/2021
44	ASET	"IndustrialTour"ofSmartCityControl Command Center Gwalior (M.P) on 03December 2021		12/3/2021
45	ASET	Industrial visitunder Institution's Innovation CouncilActivities at **M/s Econ Antri Ltd. Antri P.O, Gwalior**-475001,MadhyaPradesh, Indiaon26thJanuary2022		1/26/2022
46	ASET		NationalWebinaronManaging Literature using Mendeley by Prof (Dr) Kuldeep Singh, Member of Royal Society of Chemistry, Ph D (IIT-B), Postdoc (France), Prof & HoD (Chemistry), ASET, AUMP Gwalior	2/5/2022
47	ASET		WebinaraNewfeatureofMS TeambyMr.Pramod Rathore	2/25/2022
48	ASET		WorkshoponVirtualLabs by Mr.AkshatAgarwal,CEO, Virtuality Ghaziabad	4/1/2022
49	ASET		Workshopon"Applications of ArduinoPlatform"by	4/7/2022

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50	ASET		Workshopon"Applications of Arduino Platform" by Ms. Akansha Rajput, Embedded SystemsEngineer,APPWARS TechnologiesPvt.Ltd.(Noida) and Mr. Sonu Prakash, Director, APPWARS TechnologiesPvt.Ltd.(Noida)	4/7/2022
51	ASET		Workshopon"Applicationsof Arduino Platform" Dated 7 April2022	4/7/2022
52	ASET	IndustrialVisittoIndianRailways, Gwalior on 28th April'2022.		4/28/2022
53	ASET	Industrial visit at M/s The Supreme IndustryLtd,MalanpurPlantGwalior-475001, Madhya Pradesh, India on 26th May 2022		5/26/2022
54	ASET	Industrial visit at M/s The Supreme IndustryLtd,MalanpurPlantGwalior-475001, Madhya Pradesh, India on 26th May 2022		5/26/2022

Director-ASET
Amity University Madhya Pradesh Gwalior

DEPARTMENT OF MECHANICAL & AUTOMATION ENGINERING, ASET, AUMP, GWALIOR

REPORT OF INDUSTRIAL VISIT

Day & date of visit	:-	Friday, 4 August 2017.
Duration of visit	:-	From 10 AM to 1.00 PM.
Industry visited	:-	**Shri Ram Fibers Limited, (SRF) Malanpur, Gwalior**.
Visitors	:-	**Students of 3rd semester of MAE** (total 29) with two faculty members.
Means of transport	:-	Bus provided by AUMP.

BRIEF OF VISITED INDUSTRY

SRF Ltd., earlier called the Sriram Fibers, has evolved into a modern industrial major. Its roots go back to over a century, with the establishment of the parent company, DCM (Delhi Cloth Mills) in 1889. Since its inception in 1974, the company has been improving continuously and has made its mark in the industry. It is the market leader in its core businesses, namely industrial synthetics and Fluorochemicals. It also enjoys growing presence in light engineering products, engineering plastics packaging films and Pharma chemical business. SRF today operates from nine plant locations in India and abroad and has attained market leadership position in many of the products it manufactures. SRF's relentless focus on TQM techniques has resulted in the company winning the prestigious Deming Application Prize in 2004 (the first nylon tire cord company outside Japan to be awarded this prize)

BRIEF OF TECHNICAL LEARNING OF MECHANICAL & AUTOMATION ENGINEEARING STUDENTS AT VISIT:-

SRF is the manufacturer of Nylon Tyre Cord Fabric and is the 7th largest producer of NTCF in the world and the largest in India Visit of the SRF was very successful. Students got to know the various automated process for manufacturing nylon fabric. The technology they have adopted to manufacture is very latest in India. And it is not commonly seen in many industries. They also closely watched the working of a plant and overall production process. Actual working knowledge makes the students prepared for their future challenges.

OUTCOME OF THE EDUCATIONAL VISIT.

Students got to know the about computer based machines and latest manufacturing software's. They also closely watched the working of a plant, its layout and overall production process. Actual working knowledge makes the students prepared for their future challenges. From that point of view the visit is worth a lot.

Thanks to:-

The students were happy and very excited during the visit. They got satisfactory answers to their questions from the plant engineers and staff. A courteous high tea was also offered at the conclusion of the visit. The visit was very well managed by the company and its staff. Industry people may also be beneficial for further training and placement of our students.

The department of Mechanical & Automation Engineering expresses its gratitude to SRF Ltd. Gwalior.

We are also thankful to **Maj Gen (Dr) SC Jain, VSM** (Retd)**, Director ASET for allowing this trip and to Col. S. K. Sethi (Retd.), Director Admin for providing facility of bus for the visit.

Date:- 04/08/2017

Mr. Mahendra Agrawal
Mr. Rohit Pandey
Asst. Professor (MAE)

The Photographs of industrial visit is attached herewith:


SRF

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINERING, ASET, AUMP, GWALIOR

REPORT OF INDUSTRIAL VISIT

Day & date of visit	:-	Tuesday, 26 SEP. 2017.
Duration of visit	:-	From 11:00 AM to 1.30 PM.
Industry visited	:-	**BSNL, Gwalior(Achleshwar Exchange).**
Visitors	:-	**Students of III, V and VII semester ECE (Total 37) with two faculty members, Mrs Rinkoo Bhatia and Mrs Shally Goyal**
Means of transport	:-	Bus provided by AUMP.

BRIEF OF TECHNICAL LEARNING OF ELECTRONICS & COMMUNICATION ENGINEERING STUDENTS AT VISIT:

Bharat Sanchar Nigam Limited (**abbreviated BSNL**) is an Indian state-owned telecommunications company headquartered in New Delhi. It was incorporated on 15 September 2000 and assumed the business of providing telecom services and network management from the erstwhile Central Government Departments of Telecom Services (DTS) and Telecom Operations (DTO) as of 1 October 2000 on a going-concern basis. It is the largest provider of fixed telephony and broadband services with more than 60% market share, and is the fifth largest mobile telephony provider in India. BSNL is India's oldest communication service provider and has a customer base of more than 93.29 million

OUTCOME OF THE EDUCATIONAL VISIT.

Students got to know the practical knowledge about the mobile communication switching by using various softwares. There were Cabinets of MSC, MGW, BSC, RNC, MFS, TC, etc in which they saw how the mobile switching works , how the operators can also trace the number of calls going on at present. They also got to know about the landline and broadband switching and the recent as well as old techniques. The recent technique which is being used is NGN (Next Generation Network) and previous technique was OCB 283 (Organ Command Diversion 283) in which 2 stands for generation and 83 is the name of the microprocessor.

The students were happy and very excited during the visit. They got satisfactory answers to their questions from the Telecom Engineers at BSNL. Queries such as how Intersystem call is connected, where the subscription and billing related information is stored and processed etc were put up by students and they got good explanations from the staff. Visit may also be beneficial for further training of our students.

Thanks to:- The Department of Electronics and Communication Engineering expresses its gratitude to BSNL Gwalior, its GM Mr. Dhaker, DE(Internal) Mr. Ahirwar ,JTO Mr.Satyendra Limaiya and Ms. Neetu Goswami and other staff.

Date:- 26/09/2017

Mrs Rinkoo Bhatia
Asst. Professor (ECE)

The Photographs of industrial visit are attached herewith:


TC - 4
TC 3
TC 2
TC 1
MFS
BSC 5
BSC 4
MGW


BSNL
MULTIPLAY
कार्यालय
लोकलकौंसिल

DEPARTMENT OF CIVIL ENGINERING, ASET, AUMP, GWALIOR

REPORT OF INDUSTRIAL VISIT

Day & date of visit	:-	Thursday, 03 August 2017.
Duration of visit	:-	From 11.00AM to 3.00 PM.
Industry visited	:-	**Motijheel Water treatment Plant, Mot ijheel ,Gwalior (Dist. Gwalior)**.
Visitors	:-	**Students of 7th semester of Civil Engineering** (total 26) with HOD (Civil) & one faculty & two staff members.
Means of transport	:-	Bus provided by AUMP.

BRIEF OF VISITED INDUSTRY

Motijheel water treatment plant is govt. venture under Nagar Nigam Gwalior . It is situated about 10 km away from Gwalior near Purani Chawni Gwalior.Raw water is taken from Motijheel which is very old pound near Gwalior,and is used since Scindia state times. other source of water is Tighra dam. Two treatment plants are there old plant having capacity of treating raw water 44 MLD and New plant having capacity of 65 MLD.Students have seen filtering units, sedimentation units of the plants. They have also seen how doses of chlorination is done. The plant also has a well equipped laboratory for testing of characteristics of raw water and the supplied water .

OUTCOME OF THE EDUCATIONAL VISIT.

Visit of the motojheel water treatment plant sleeper factory was very successful. Students got to know the process of mixing the alum doses, sedimentation, filtering, and pumping process of water. These operations are not commonly seen in general /laboratory works. They also closely watched the working of a plant, its layout and overall production process. Actual working knowledge makes the students prepared for their future challenges. From that point of view the visit is worth a lot.

Thanks to :-

The students were happy and very excited during the visit. They got satisfactory answers to their questions from the plant engineers . Mr Veerendra Rathore form the staff of motijheel was guiding the students.Interactions between our institute, students and the industry people may also be beneficial for further training regarding the practical knowledge of environmental Engineering.

The department of Civil Engineering expresses its gratitude to plant engineer and staf of motijheel water treatment plant. We are also thankful to Director ASET (AUMP) for allowing this trip and Director Admin (AUMP) for providing facility of bus for the visit.

Date:- 03/08/2017

Mohan Kantharia
HOD (Civil)

Some photographs of the visit are attached with this report.

DEPARTMENT OF CIVIL ENGINERING, ASET, AUMP, GWALIOR

Report of Industrial visit of Amity International School Building

An educational cum industrial visit was organized for 4th and 6th semester Civil Engineering students. The project of Extension Building of Amity International School, Gwalior was visited on 30/01/2018 from 11:15 AM to 1:10 PM.

Participants of the visit :

Students of 4th semester	:	17 students
Students of 6th semester	:	21 students
Faculties & staff members	:	Mr. Mohan Kantharia, HOD (civil) Ms. Pooja Shrivastava, Asstt. Professor Mr. S. B. Gupta, Teaching Associate

Main features of the project :

1.	Name of project	:	Construction of Amity International School Building phase II block B, at Gwalior.
2.	Location of the project	:	AUMP campus, Gwalior.
3.	Name of construction agency	:	M/S Ahuja Builders, New Delhi Other agencies are engaged for different specialized works.
4.	Cost of project	:	6.00 crores
5.	Total Built up area	:	28,000 sq. feet
6.	Date of start	:	25/09/2017
7.	Target date of completion	:	25/03/2018
8.	Type of structure	:	RCC framed structure
9.	Type of foundation	:	Isolated column footing

The structural work of the building is almost complete and the finishing work is in progress. It is a two storied building with its ground floor level raised to match with the existing school building. A retaining wall has been constructed to support the raised floor level of the block.

BRIEF OF LEARNING BY STUDENTS DURING THE VISIT

Execution of following items was observed by the students:

Plastering work

The inside walls are being plastered with cement mortar 1:4 ratio. Ordinary Portland Cement (OPC) of 43 grade is being used in the building in various items. Sand used is of medium grained size.

Pointing

The outer faces of the walls are being given the same typical Amity look by using the British size bricks. No plastering but the pointing is being done in the brick joints. The walls will be coloured with dark red brick colour. Hollow space have been enclosed between brick walls to provide esthetic look and also to act as a thermal insulation.

Bricks used have been brought from Itawah of UP.

Flooring

Ceramic tiles of 2’ x 2’ size are being used for flooring in class rooms. A mild slope of 10 mm is maintained towards door exit side of the room. Leveling of floor was shown to the students with the help of level line laid on the plastered walls. The tiles being used are of the colour matching with Kota stone. The tiles have been covered with a polythene and then by a layer of putty to protect them from damaging by other works being carried out above.

The tiled floors are time saving as they need no polishing and also tiles are easy to be maintained clean.

Doors & windows

Two doors of size 4’ x 7’ are provided in class rooms. Size of windows vary from 6’ x 4’ and more. The openings are sufficient to let in the natural light. Two door system is followed as per the latest safety standards.

Air conditioning

Ducting with GI sheet tunnels is in progress for air conditioning of the rooms. The system has been designed to maintained comfortable temperature round the year.

False ceiling

False ceiling is being done with the help of Gypsum planks at about 1 ½' feet below the roof. It is being done in two layers. All electrical fittings and ducting etc. will be covered by false ceiling. It adds a finished look to the ceiling which otherwise will have to be plastered to the bottom of the slab.

Apart from appearance, the false ceiling also reduces the effective volume of the room for efficient cooling.

Brick cheka

The terrace of the building is being covered by a layer of bricks filled with mortar in the joints. It will have plaster over bricks to give proper slopes for drainage of rain water.

There are two advantages of brick cheka- one; it will prevent excessive heating of the roof and, two; the waste brick bats will be consumed in this item.

Overhead water tank

An elevated RCC overhead tank, supported on columns, has been casted of size about 7.5 m x 4.1 m x 2m. It will serve the requirement of water both for drinking and fire fighting. It has four chambers inside. The testing and water proofing operation of the tank is in progress.

Internal fittings of toilet units

One toilet unit was seen before fixing of the fittings. The type of pipes and details of the connections to be made for supply of water and disposal of effluent was explained in detail to the students.

Other appurtenances

Students also moved around the building to see construction of other components like parking space , play grounds, boundary wall etc. They were also given knowledge of management of various activities of the project like procurement of materials, time schedules for execution etc.

OUTCOME OF THE VISIT

The total outcome of the visit can be summarized as below:

i) **Working environment:-** The students got to know about the working environment of a construction site which is entirely different from their class room teaching. It makes them prepared for their future role in the construction industry.

ii) **Technique of execution:-** The actual technique of working was observed of various building items like masonry, plastering, flooring, roofing etc. It made the students to visualize how the theory is converted in to practice on the field and how structures are made according to the plans and maps.

iii) **Specialized work:-** Execution of ducting for air conditioning was an important item to see as it is the essential feature in every modern building.

iv) **Interaction with workers:-** The students made direct interaction with the supervisory staff and workers to get the knowledge of basic concepts of construction practices.

v) **Safety requirements:-** Last but not the least was to learn that the discipline and safety requirements are absolutely necessary to be followed at construction sites.

Conclusion- appreciation

The visit ended successfully. Students raised many queries and got their satisfactory answers. Plans and maps of the project were also shown to the students.

The visit was well conducted with the supervisory staff of the construction company.

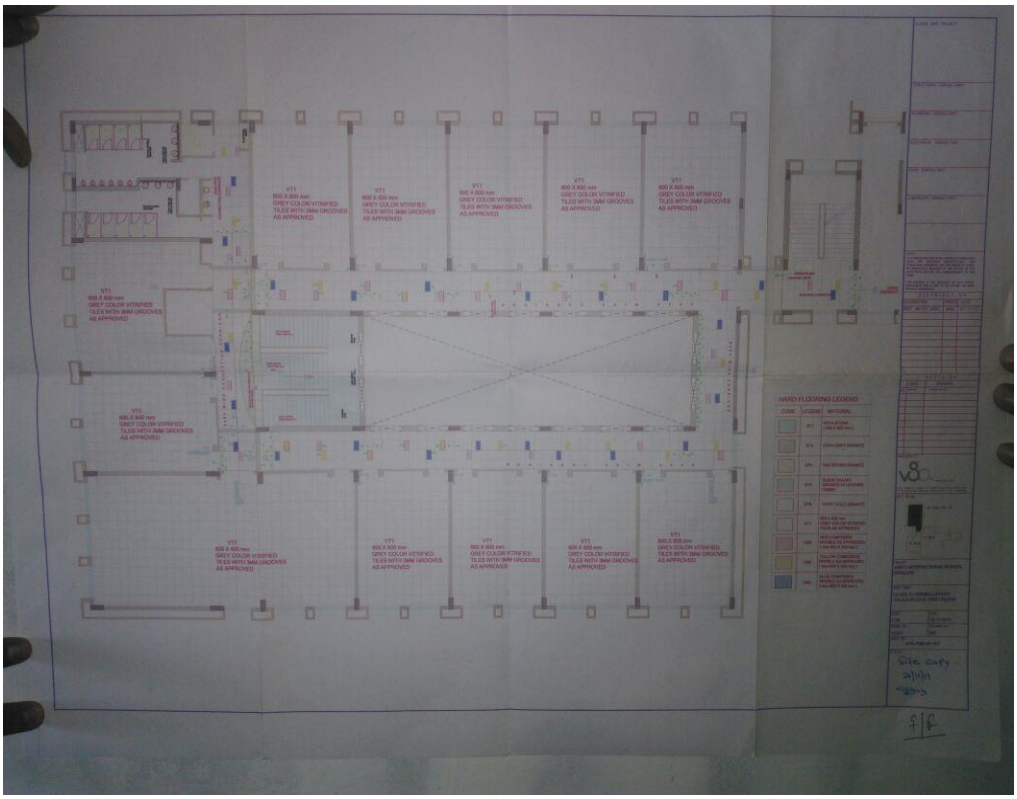
We are thankful to Mr. Vinod Kumar, Site Engineer for his all kind support during the visit.

The Department of Civil Engineering is thankful to the Director, ASET and the Honorable Pro-Vice Chancellor Sir for allowing the visit.

Some photographs of the visit are enclosed with this report.

Date:- **01/02/2018**

Mohan Kantharia
HOD (Civil)


HARD FLOORING LEGEND
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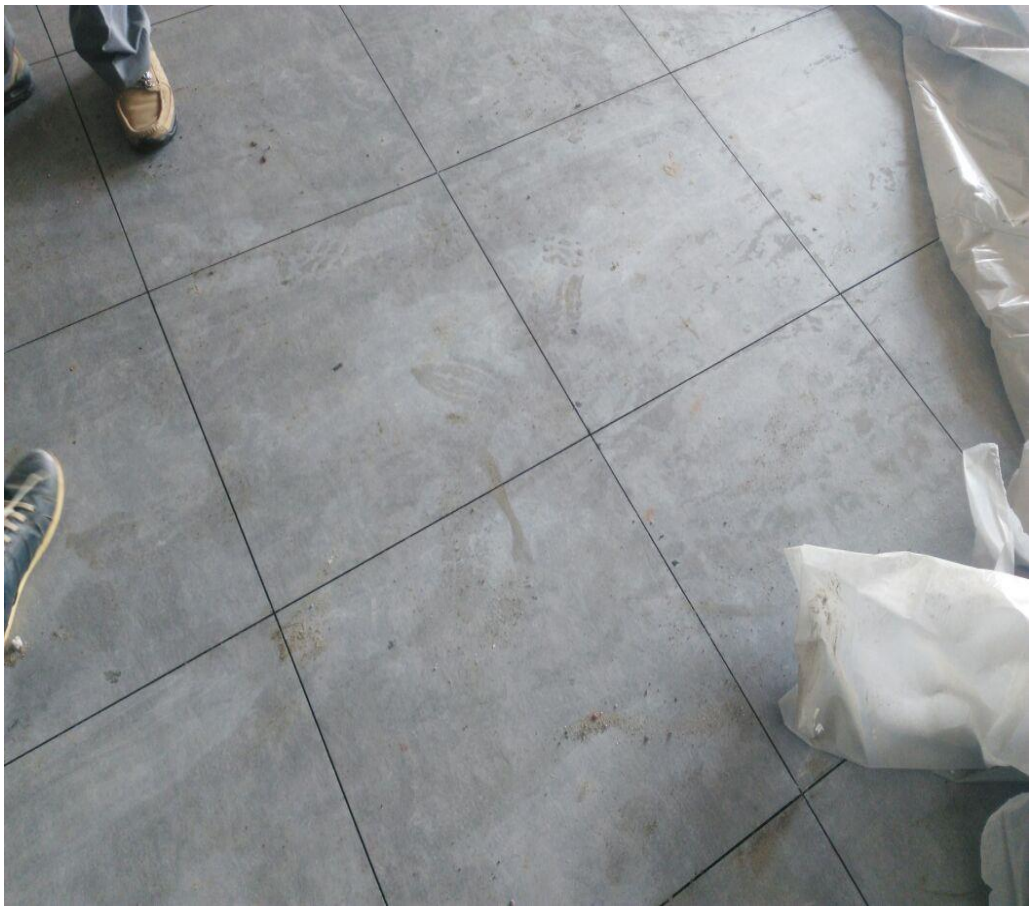
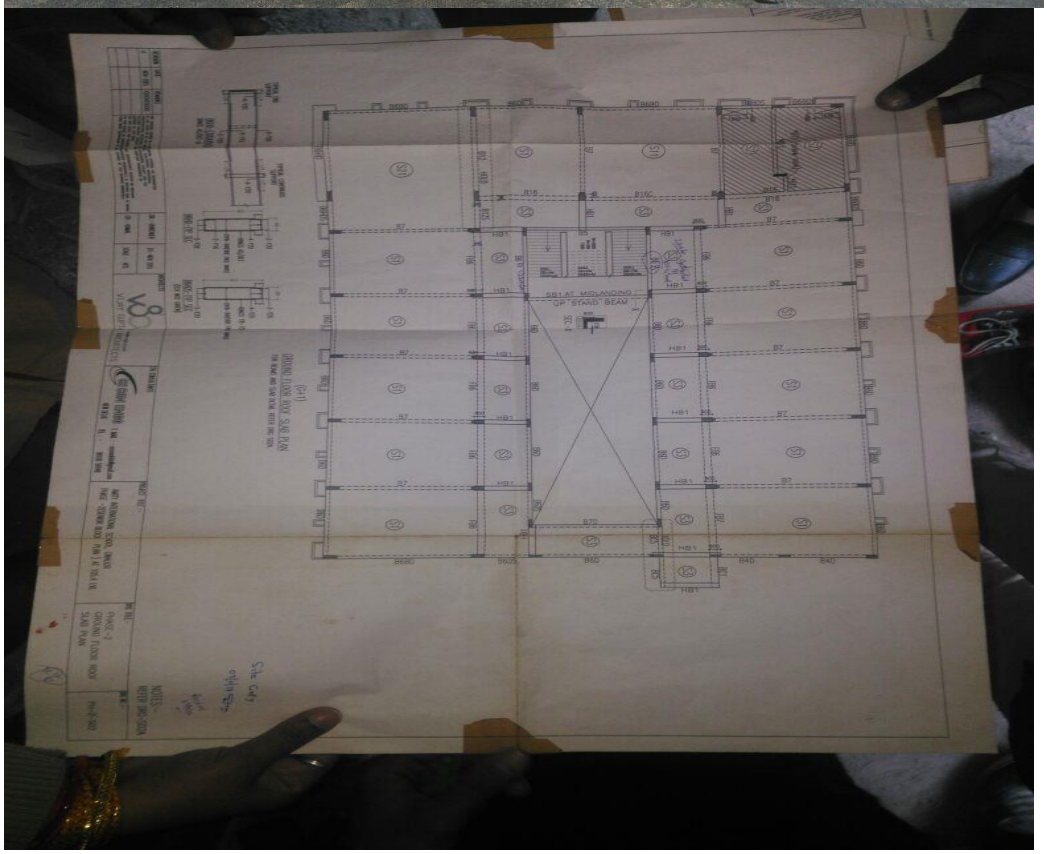




AMITY UNIVERSITY
MADHYA PRADESH

OUTCOME REPORT

of

Visit to Madikheda Dam, Shivpuri on 16th August, 2018

By

Amity University Madhya Pradesh

General

1. Civil Engineering Department of Amity University Madhya Pradesh arranged a visit to the Madikheda dam, Shivpuri on 16th of August. Students of all the semesters, faculties and staff members have participated in the visit.

Objective(s) of the visit

2. The visit was organized with following objectives:

(a) To create awareness amongst students about dam design, dam operation, dam catchment area, power generation etc.
(b) To show students the various components of a dam.
(c) To demonstrate students the various machines and equipments used to operate a dam.
(d) To show students the risks involved with dam construction an operations.
(e) To discuss the construction methods of dams.
(f) To motivate students in taking up subjects which would teach them how to design massive structures such as dams.

Overview of the visit

Madikheda dam is situated at Shivpuri approximately at a distance of 100 km from Gwalior. The foundation stone of the dam was laid in year 1978 and the construction of the dam was completed in year 2008. Fig. 1 shows the Madikheda dam with its sluice gates. The dam is used to supply water to Bhind, Morar, Datia and Gwalior districts. The catchment area of the

dam is 5544 sq.km. The dam has a power house which generated electricity. A visit to the dam was arranged by the Civil, ASET for the students of civil engineering department of Amity University Madhya Pradesh. The co-ordinator from Madikheda dam, Shivpuri was Mr. M.S. Paraste, Executive Engineer. The co-ordinator from power house, Madikheda dam, Shivpuri was Mr. Saxsena, S.E. The objective of the trip was to make students familiar with dam design, structural features of dam, key components of a major dam, major operational activities of dams, catchment area, sluice gates, spillways, turbine operation for electricity generation and power supply etc.

Students, lab staff and faculty members had gathered at 6:30 A.M. on 16th August in-front of Block A, Amity University for the visit. A bus was arranged for the transportation to the site. The total number of students participated in the visit are as follows: III semester 4 students, V semester 15 students and VII semester 18 students. A total of 37 students were present. The faculty members who have participated are: Mr. Mohan Kantharia, HOD-Civil, Mr. Ripunjoy Gogoi, Mr. Imran Ahmad Khan and Mr. Sachin Tiwary. Mr. S.B. Gupta and Mr. Sachin Pal were the laboratory staff members. The team arrived at the location around 10 A.M. and students were immediately taken to the dam for an overview. Faculty members showed and described the components of the dams such as: crest width, base width, upstream flow gates, downstream flow gates, spillways and catchment area etc to the students. Later, the engineers and the dam in-charge took the team to the underneath of the dam through a shaft. The shaft has an air conditioned elevator.

Figure 1: Madikheda dam, Shivpuri

Fig. 2 shows the infiltration gallery present underneath the dam. The cross section of the infiltration gallery is approximately 2m×2.5m. Infiltration gallery is used for collecting the seepage water and then pumping out the seepage water. The operation is important for the

stability and safety of the dam. The infiltration gallery has equipments and devices which have been used for other dam operations.

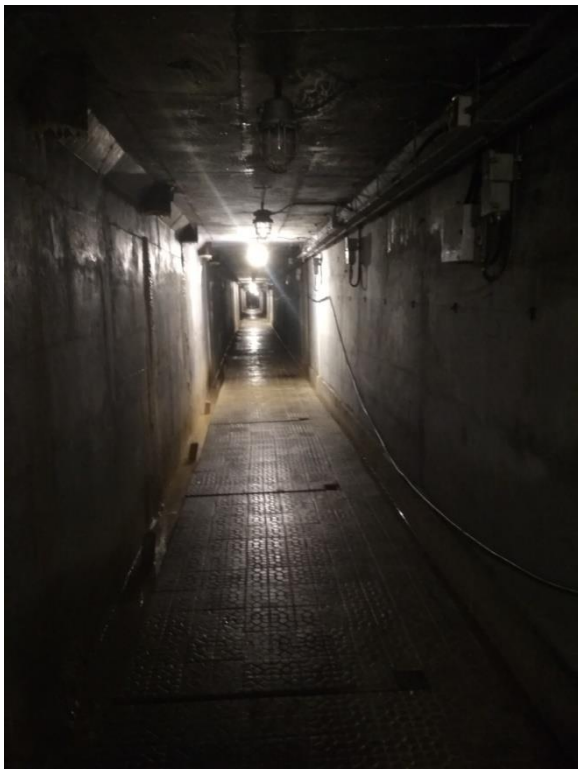


Figure 2: Infiltration gallery underneath the dam

After the visit to the dam, the team went to the Madikheda power house. The power house is located at a distance 1 Km downstream to the dam. The power house is used to generate electricity from water supplied form the dam. There are three turbines in the power house. These three turbines were manufactured by Bharat Heavy Electricals Limited, India. The power house could generate 60 M.W. of electricity at once. All the three turbines could be operated simultaneously. Engineers of the power house have demonstrated the turbine operations to the students and faculty members. Later, engineers have made the team familiar with the power panels for the three turbines.

During the visit, the safety instructions were strictly followed. Fig. 3 shows some of the students, lab staff and faculty members who have participated in the visit. The visit was completed by 3:30 PM. After the trip which has been enriching to everyone, the team arrived back at the Amity campus by 6:30 PM. Some of the key features and important information of the dam have been mentioned below:

Figure 3: Students, lab staff and faculty members visiting the site

Dam features

Length of Dam - 1070 meter, length of spillway - 176.50 meter, full reservoir level - 346.25 meter, maximum water level - 346.85 meter, catchment area - 5540 km^2, Submergence area - 5672.91 ha, villages affected – 13, dam height - 62 m, nuber of sluice gates 10.

Year of start: 1978

Year of completion - 2008

Project benefits:

Culturable command area - 98.25 thousand ha, hydro power - 60 MW.

Districts benefitted - Gwalior, Shivpuri, Datia, Bhind

Name of the coordinator: Mr. Mohan Kantharia, HOD, Civil-ASET

Total Number of students participated in the visit:

1. III Semester: 04
2. V Semester: 15
3. VII Semester: 17

Total: 36 students

Names of faculty visited the dam:

1. Mr. Mohan Kantharia, HOD, Civil-ASET
2. Mr. Imran Ahmad Khan, Assistant Professor
3. Mr. Ripunjoy Gogoi, Assistant Professor
4. Mr. Sachin Tiwary, Assistant Professor

Lab staff:

1. Mr. S.B. Gupta
2. Mr. Sachin Pal

Acknowledgement:

The visiting team of Civil-ASET is thankful to Amity University Madhya Pradesh, Gwalior for extending the gracious support for the visit. The team is also thankful to engineers and staff of Madhikheda dam, Shivpuri for the demonstrations and guidance at the dam.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING , ASET, AUMP

REPORT OF INDUSTRIAL VISIT

Date of visit	:-	13-15 OCT'18.
Duration of visit	:-	03 DAYS.
Industry visited	:-	**YPSILON IT SOLUTIONS PVT. LTD., UNIVERSAL INFOTECH.**
Visitors	:-	**Students of V Semester CSE (Total 71)**
		with four faculty members, Ms Divya Gautam , Mr Rajeev
		Goyal , Mr Dheeraj Pal and Ms Samta Jain Goyal

BRIEF OF TECHNICAL LEARNING OF COMPUTER SCIENCE & ENGINEERING STUDENTS AT VISIT AND OUTCOME OF THE EDUCATIONAL VISIT:

Industrial visit plays a vital role to understand the core competencies in Engineering Education. Keeping in view of the importance to understand the functions of Industry, core competencies required by the industry and job opportunities, Amity University Madhya Pradesh designed its course curriculum in consultation with renowned Industries. To bridge the gap between industry and academia, every year Amity University Student's are given an opportunity to visit various industries to understand the working products of the companies during in which the industry mentors will explain the core concepts of the domain knowledge. This interaction creates better learning opportunity to students and University professors to understand the Industry requirements further it leads to better job opportunities to students. The students of Computer Science & Engineering Department of Amity School of Engineering and Technology, Amity University Madhya Pradesh had been to Indore to visit different industries from 13 Oct 2018 to 15 Oct 2018. They visited YPSILON IT SOLUTIONS PVT-LTD, Indore, the students were addressed by Industry mentors, the current trends in the IT industry, demonstrate the working projects. They also visited Incubation centre, a start up entrepreneurship development cell of SabKuchRepair.com. During the visit the students also attended a workshop on Machine learning and Artificial Intelligence trends in IT Industry at Universal Infotech.The visit was conducted under the able

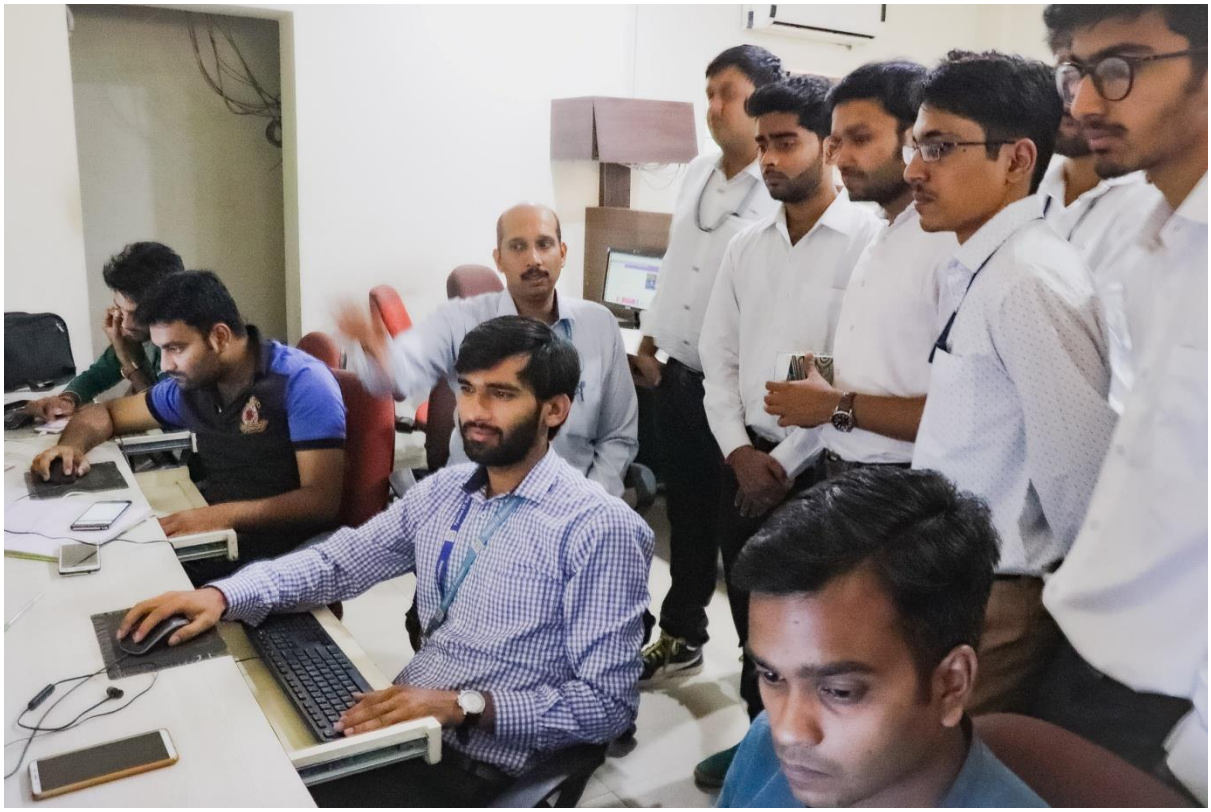
guidance of Director Amity School of Engineering and Technology and the faculty coordinators Ms. Divya Gautam, Mr. Rajeev Goyal , Mr. Dheeraj Pal and Ms. Samta Jain Goyal.

Thanks to:- The Department of Computer Science and Engineering expresses its gratitude to Ypsilon IT Solutions Pvt. Ltd. , Universal Infotech

Date:- 16/10/2018

Ms Divya Gautam
Asst. Professor (CSE)

The Photographs of industrial visit and workshop are attached herewith:



Science Club AUMP, GWALIOR

AMIZONE REPORT OF INDUSTRIAL VISIT

Day & date of visit	: -	Monday, 11 November 2019.
Organized by	:-	Science Club, Amity University Madhya Pradesh, Gwalior
Duration of visit	: -	From 06:00 AM to 10.30 PM.
Industry visited	: -	**ADRDE(DRDO)-Agra**
Visitors	: -	**Students of V and VII semester CSE(Total 46) With three faculty members, Dr. Pankaj Kumar Mishra,Dr. Pratiksha Gautam and Mr Ashok Shrivastava**
Means of transport	: -	Bus provided by AU MP

BRIEF OF TECHNICAL LEARNING OF ELECTRONICS & COMMUNICATION ENGINEERING STUDENTS AT VISIT:

The Aerial Delivery Research and Development Establishment (ADRDE) is a laboratory of the Indian Defence Research and Development Organisation (DRDO). It is located in Agra, Uttar Pradesh in India. Its research scope includes development of systems for dropping heavy loads, brake parachutes, towed targets, aircraft arrester barriers and aerostats.

Defence Research and Development organization (DRDO) is a premier organization of the Government of India, responsible for development of technology for use by the three services of defence in India. It was formed in 1958 by the merger of Technical Development Establishment and the directorate of Technical Development and Production with the Defence Science Organization.

Significant projects undertaken by ADRDE during the last two decades include:

- Armament delivery parachutes
- Space recovery parachutes
- Balloon barrage and surveillance systems
- Airships and related applications.

ABOUT THE EDUCATIONAL VISIT

On 11th of October, 5th and 7th semester students of Computer Science and Engineering Department of Amity School of Engineering and Technology went on an educational trip to ADRDE, Agra. There was a fabrication unit in which students were told about parachute fabrication in which the parachutes are made with Nylon as Nylon has great strength and elasticity. Zig-Zag pattern is made on the parachute for providing strength otherwise straight line is drawn. These lines are made using strips of bore using simple and zig-zag machine. The parachutes are made according to the prescribed layout and even the fabric is tested and given to them. ISRO Gagan projects and subprojects are going in ADRDE.

The parachutes made there can sustain 500 and 1000 tons of weight but it is made with actuators and other according to weight. They mainly work on the porosity changes according to the stability and aerial delivery research.

Ghyassudin Qureshi, Scientist C Atal Bihari (Technical Officer), told about the Drag & drop mechanism in aircrafts for aerial landing according to atmospheric conditions. He also told about Torpido which is a parachute system fir TAL and is used in high speeds and for drops in water.

AWC Aerostat system which is radar controlled to monitor obstacles under IFF (Identified Friends or Foe) which matches signature of different zones and countries. These systems are used in Pakistan borders in Punjab. It is controlled by the tether and is used to control & for surveillance of low flying objects.

Mr. Rajiv Jain (Scientist, Mechanical Engineer) spoke about aerostats and airships along with their specifications and details. He also explained about the system configuration of Nakshatra which is a balloon like structure filled with Helium gas. He also mentioned the current status about aerostats which are AkashDeep, Nakshatra and Tactical Aerostat system.

All the students also visited to CAD designing and programming lab where they were told about how the designs are made using FEM, CFD and Winch & Mooring system. They also got some knowledge about propulsion systems, Servo systems and embedded systems for designing. ADA and C languages are used for programming in CADS based on frontend and backend problems. Advanced Encryption system is used for data communication.

Students were also taken to Textile lab where the breaking strength of materials are tested using Zwick Roll machine and a fabric inspection machine along with an electric air machine is used to check how much air is passed though the fabric.

Students also visited to environment and metal test lab where they were briefed about the following:

- Spring testing machine
- Impact testing machine
- KENKAY make UTM 4ton machine
- Universal testing machine
- Brinell harness testing machine
- Climatic test chamber
- Altitude chamber
- Thermal chamber

At the end, there was a short lecture by the director ADRDE who summarized about the complete session.

All in all, the session in ADRDE was very informative for students and a lot of questions of students and faculties were deliberately cleared by the scientists of ADRDE.

The students were happy and very excited during the visit. They got satisfactory answers to their questions from the Gayasuddin Quraishi, Scientist 'C' at ADRDE Gwalior. Visit may also be beneficial for further training of our students. Ms. Divya Gautam and Dr.Pankaj Kumar Mishra were the coordinator of the event

Thanks to: - The Science club of AUMP expresses its gratitude to ADRDE,Agra, its Director Shri Arun Kumar Saxena and Mr. Gayasuddin Quraishi, Scientist 'C' , Atal Bihari (Technical Officer) and other staff.

Dr. Pankaj Kumar Mishra
Coordinator

Ms. Divya Gautam
Coordinator

The Photographs of industrial visit are attached herewith:


DRDO
DEFENCE R & D ORGANISATION
MINISTRY OF DEFENCE
ADRDE

IIC Activity

Date of visit: 21st November, 2020 (Saturday)

Venue:
Multi-storeyed Building Construction site, Sirol, Gwalior,

Name of the Construction Company:
East Meridian, Creative Group, Gwalior

Organized By:
Civil Engineering Department, ASET, Amity University Madhya Pradesh, Gwalior

Name of the co-ordinator:
Dr Vimal Kumar Gupta and Dr. Mohan Kantharia, Civil-ASET, AUMP

The Department of Civil Engineering ASET, AUMP has organized a visit to a multi-storeyed building construction site at Sirol, Gwalior on 21st November, 2020. Dr. Vimal Kumar Gupta, HOD and Dr Mohan Kantharia, Assistant Professor, of Civil Engineering has co-ordinated and supervised the visit. Some of the students of final year B.Tech Civil Engineering have joined the Civil Engineering faculty members at the site. However, rest of the students have joined through MS Team Online platform. Most of the students have preferred to join the visit through online medium due to the Covid-19 pandemic situation. All the Covid protocols were strictly followed by the visiting members. The observation from the construction site is as follows. In multi-storey buildings, the design of the primary structure is strongly influenced by many issues, as defined below: The need to provide clear floor spans for more usable space. The choice of cladding system, planning requirements, which may limit the building height and the. Maximum floor-to-floor zone. The service strategy and effective integration of building service. Site conditions, which dictate the foundation system and location of, foundations Craneage limitations and storage space for materials and components, Speed of construction, which may influence the number of components that, are used and the installation process. The building is of Reinforced Concrete Cement (RCC) type. The construction of the foundation is at present going on. In some parts, the construction of columns and slabs were undergoing. Some of the photos from the site.


Shot on OnePlus
By uddeshya upadhyay


Shot on OnePlus
By uddeshya upadhyay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AI QUAD CAMERA
2020/11/21 11:34


Shot on OnePlus
By uddeshya upadhyay


Shot on OnePlus
By uddeshya upadhyay

Department of Electronics & Communication Engineering of Amity School of Engineering & Technology, Amity University Madhya Pradesh organized Industrial Visit to Malanpur

Preface

Department of Electronics & Communication Engineering of Amity School of Engineering & Technology, Amity University Madhya Pradesh, organized an Industrial Visit to Malanpur on 06 Feb'20. The Industrial Visit constituted a great opportunity for the students to visit various industries to understand the working products of the companies during which the industry mentors explained the core concepts of the domain knowledge. This interaction created better learning opportunity for students and University professors to understand the Industry requirements. Further, it leads to better job opportunities to students.

Visit to Surya Roshni Malanpur

The students of Department of Electronics & Communication Engineering, Amity School of Engineering and Technology, Amity University Madhya Pradesh visited Surya Roshni Malanpur. The students were addressed by plant mentors, and they were explained the working of production plant and demonstrated the working of various sections of production plant.


MALANPU


6TY8DNM

Department of Civil Engineering, ASET, AUMP, Gwalior

Report of Industrial Visit

An industrial visit has been conducted by the department of Civil Engineering for the students of 4th & 6th semester of B. Tech. (Civil). Faculty members- Mr. Mohan Kantharia, Mr. Sachin Tiwari, Mr. P. Mahakavi and Mr. S. B. Gupta, Teaching Associate were present during the visit.

Main features of the project:

Following are the salient features of the site visited -

1. Date & time of visit : 22th January 2021 from 2:15 pm to 3:15 pm.
2. Name of project : Construction of Hostel Building H4 of AUMP, Gwalior.
3. Cost of project : Rs. 18.00 crores.
4. Construction agency : M/S Ahuja Builders, New Delhi.
5. Location of the project : Near existing hostel blocks of AUMP.
6. Date of commencement : 1st December 2020.
7. Stipulated date of completion: 15th April 2020.

Works running:

The site of the building is having good strata of soft to hard moorum. The complete structure is divided into three blocks resting on the different ground levels as the site is on the sloping ground. Construction of foundation and ground floor is in progress. Combined and isolated RCC column footings have been casted on a PCC leveled staging of 100 mm thickness. Plinth beams have been casted and back filling and filling under floors is in progress. Form work of GF slab is in progress with the help of scaffolding of steel pipes. Layout of different columns and beams is clearly visible at site with the help of centre lines marked with cement mortar.

Units of project:

The construction activities are mainly divided into four units -

i) Construction site of the building - for raising the structure as per drawing.

ii) Steel yard -for storing of tor steel bars and for their cutting and bending as per the structural design.

iii) Concrete mixing plant -for batching and mixing of concrete as per the mix design.

iv) Testing laboratory -for testing of materials and concrete.

Department of Civil Engineering, ASET, AUMP, Gwalior

Report of Industrial Visit

Materials used:

Following materials are being used at the site -

a) 16, 20 mm tor steel of SAIL (steel being supplied by Amity).
b) 20 mm, 10 mm and 6 mm well graded BT metal.
c) Shree cement of 43 grade OPC.
d) Well burnt British size (23x11x7cm) chimney bricks of mark RR.
e) Coarse grained local sand.
f) M25 concrete is being used in RCC work.

Outcome of the visit:

Students were able to see the laying of foundation with column footings and casting of columns, beams and slabs which are the basic and most important parts of structural engineering. They were also apprised of the management of construction activities of a major civil engineering project.

Acknowledgements:

The department of Civil Engineering is thankful to the Director ASET for giving permission for the visit. We are also thankful to Mr. Vinod Kumar, Site Engineer of AUMP and Mr. Rahul, Site Engineer of the construction company for their cooperation and guidance given to the students.

Enclosures:

Some photographs of the visit are enclosed with this report.

Department of Civil Engineering, ASET, AUMP, Gwalior

Report of Industrial Visit

Department of Civil Engineering, ASET, AUMP, Gwalior

Report of Industrial Visit

Department of Civil Engineering, ASET, AUMP, Gwalior

Report of Industrial Visit

Department of Civil Engineering, ASET, AUMP, Gwalior

Report of Industrial Visit

Department of Civil Engineering, ASET, AUMP, Gwalior

Report of Industrial Visit

Department of Civil Engineering, ASET, AUMP, Gwalior

Report of Industrial Visit

21 November 2020 (Saturday)

Visit to multi-storied RCC building construction site, Sirol, Gwalior

The Department of Civil Engineering ASET, AUMP has organized a visit to a multi-storeyed building construction site at Sirol, Gwalior on 21st November, 2020. Dr. Vimal Kumar Gupta, HOD and Dr Mohan Kantharia, Assistant Professor, of Civil Engineering has co-ordinated and supervised the visit. Name of the construction company is East Meridian, Creative Group. Some of the students of final year B.Tech Civil Engineering have joined the Civil Engineering faculty members at the site. However, rest of the students have joined through MS Team Online platform. Most of the students have preferred to join the visit through online medium due to the Covid-19 pandemic situation. All the Covid protocols were strictly followed by the visiting members. The observation from the construction site is as follows. In multi-storey buildings, the design of the primary structure is strongly influenced by many issues, as defined below: The need to provide clear floor spans for more usable space. The choice of cladding system, planning requirements, which may limit the building height and the. Maximum floor-to-floor zone. The service strategy and effective integration of building service. Site conditions, which dictate the foundation system and location of, foundations Craneage limitations and storage space for materials and components, Speed of construction, which may influence the number of components that, are used and the installation process. The building is of Reinforced Concrete Cement (RCC) type. The construction of the foundation is at present going on. In some parts, the construction of columns and slabs were undergoing. Some of the photos from the site. Some of the photos from the site visit are shared below:

AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

Amity School of Engineering and Technology

28 April 2022 (Thursday)

IIC Activity

Industrial Visit Communication Control Centre Indian Railways, Gwalior: Department of Electronics & Communication Engineering of Amity School of Engineering & Technology, Amity University Madhya Pradesh, organized an Industrial Visit to Indian Railways, Gwalior on 28th April'2022.The Industrial Visit constituted a great opportunity for the students to understand the role of Electronics and Telecommunication in Railways and essential requirements for career development. During the visit the Senior Section Engineer and his team explained the core concepts of the domain knowledge and practically demonstrated the Optical Technology, Multiplexers and Routers being used in the Communication Control Section at the Railway station. This interaction created better learning opportunity for students and University professors to understand the Industry developments and practical needs.

Students got to know about the software and hardware of signal and Telecommunication Department of Gwalior Railway. The students were addressed by **Senior Section Engineer (SSE), Mr. Ashwini Sharma**. He explained about operation of railway system such as signaling operation, breaking system, collision avoidance system, token system, etc. He also introduced the recent technology adopted by railways, KAVACH. Kavach' is an anti-collision device (ACD) network. It is a Made-in-India technology that is designed to help Indian Railways achieve the goal of "zero accidents". Kavach' implementation will bring train movement to a halt automatically when it notices another train on the same line within a prescribed distance. Trains will also stop on their own when the digital system notices any manual error. It Receives inputs from satellites, communicate with each other using radio modems & use intelligence to act – To prevent 'dangerous' Collisions

The students learnt about the career development path also. They also learnt about the skill requirements by Industry for successful career path.The students were happy and very excited during the visit. They got satisfactory answers to their questions from the Senior Engineer of the company. Visit may also be beneficial for further training of our students.

The Visit was coordinated by Mrs Rinkoo Bhatia, Assistant Professor, Dept. of ECE. Other Faculty of the department, Mr Narendra Kumar Garg, Dr.Ajay Dadoria And Dr. Priyank Sharma also visited along with the students.

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INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

Amity School of Engineering and Technology

Department of Civil Engineering

REPORT OF INDUSTRIAL VISIT

under Institution's Innovation Council Activities

Particulars of the visit

Date:- 26/04/2022

Time:- from 09:30 Am to 4:00 PM

Site of visit:- **M/s Econ Antri Ltd.**
Opposite Antri Railway Station (N.C.Rly.),
Antri P.O, District: Gwalior-475001, Madhya Pradesh, India

Attendees of visit :- Students of 2nd, 4th, 6th & 8th semester of B.Tech (Civil) and 2nd Sem of M.Tech (Structural) (total 12) four faculties & One staff members.

BRIEF OF VISITED INDUSTRY

Amity School of Engineering and Technology, Amity University Gwalior organized Industrial visit under Institution's Innovation Council Activities at **M/s Econ Antri Ltd. Antri P.O, Gwalior**-475001, Madhya Pradesh, India on 26th January 2022 from 09:30 AM to 4:00 PM

Sleeper Factory at Antri is a private venture run by **M/s Econ Antri Limited**. It is situated about 20 km away from Gwalior on Gwalior- Jhansi road and near Antri railway station. The company is manufacturing concrete sleepers mainly for the Indian Railway. Some other industries like cement plants and thermal power plants also need sleepers for railway tracks within their premises. The total output per day is about 300 sleepers which can be raised to double by running two shifts when the demand is high. All manufacturing process from collection of material, batching, mixing, placing, casting curing and testing is strictly governed by standards and specifications prescribed by Indian Railway. The plant is semi-automatic type fully controlled by computers. It also has a well equipped laboratory.

Activities performed during the visit

The concrete sleepers are being manufactured by using pre-stressed cement concrete of M55 grade and 3 mm-3 ply MS wire reinforcement. Pre-stressing is done by applying tension through hydraulic jacks at different pressures as per the requirement of the sleepers. One bench has four moulds at a time with oiled inner faces and inserts fixed for fastening of rails. The wires are inserted into holes and pre-tensioned by hydraulic jacks. Then the concrete is filled into the moulds and the benches are sent for curing. First, they are cured by hot steam at a temperature of 750 Celsius for 12 hours. Thereafter, they are cured in water tanks continuously for 14 days. The testing to destruction is performed batch wise in a separate digitized flexural testing machine.

There are other testing equipments installed in the plant laboratory like Slump cone, Aggregate impact test apparatus, Sieve shakers, Losangeles abrasion test apparatus, Flexural testing machine, Proctor mould, Cube vibrating machine, Compression testing machine, Oven and different gauges etc. Most of the tests are computerized and their record is maintained digitally.

Outcome of the visit

The concrete sleepers are being manufactured by using pre-stressed cement concrete of M55 grade and 3 mm-3 ply MS wire reinforcement. Pre-stressing is done by applying tension through hydraulic jacks at different pressures as per the requirement of the sleepers. One bench has four moulds at a time with oiled inner faces and inserts fixed for fastening of rails. The wires are inserted into holes and pre-tensioned by hydraulic jacks. Then the concrete is filled into the moulds and the benches are sent for curing. First, they are cured by hot steam at a temperature of 750 Celsius for 12 hours. Thereafter, they are cured in water tanks continuously for 14 days. The testing to destruction is performed batch wise in a separate digitized flexural testing machine.

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Acknowledgement

The students were happy and very excited during the visit. They got satisfactory answers to their questions from the plant engineers and staff. A courteous high tea was also offered at the conclusion of the visit. The visit was very well managed by the company and its staff; by Mr. Govind Singh, Mrs. Mega Garg, Mr. Sukheer Singh Production Manager in particular. Interactions between our institute, students and the industry people may also be beneficial for further training and placement of our students.

The department of Civil Engineering expresses its gratitude to M/S Econ Antri Ltd.

We are thankful to the Administration Dept. of AUMP for allowing the visit and also to the construction in-charge for providing required information at the site.

Photographs of the visit


ECON ANTRI LIMITED
SCHEDULE FOR CALIBRATION OF VARIOUS GAUGES AND TESTING EQUIPMENTS
ECON ANTRI LIMITED
LAYOUT PLAN


Shot on note 1


Shot on
note 1


Shot on
note 1


Shot on
note 1


Shot on
note 1

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INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

Amity School of Engineering and Technology

Department of Civil Engineering

REPORT OF INDUSTRIAL VISIT

Particulars of the visit

Date:- 26/05/2022

Time:- from 09:30 Am to 4:00 PM

Site of visit:- **M/s The Supreme Industries Limited**
(Plastic pipes & Fitting Division)
Ghirongi Industrial Area
Malanpur Dist – Bhind 477116
Madhya Pradesh India

Attendees of visit :- Students of 2nd, 4th, 6th & 8th semester of B.Tech (Civil) and 2nd Sem of M.Tech (Structural) (total 12)

Faculties :
Staff members.

BRIEF OF VISITED INDUSTRY

Amity School of Engineering and Technology, Amity University Gwalior organized Industrial visit at **M/s The Supreme Industry Ltd, Malanpur Plant Gwalior**-475001, Madhya Pradesh, India on 26th May 2022 from 09:30 AM to 4:00 PM
The Supreme Industry Ltd. had invited our Architecture and Civil Engineering Students and Faculties for Industrial visit to Knowledge Centre & Factory manufacturing unit of Plastic Pipes & Fittings at their Malanpur Plant through **Corporate Resource Center (CRC) – AUMP.**

The Supreme Industries Limited is an Indian plastics company, based in Mumbai. It handles volumes of over 420,000 tons of polymers annually. The company manufactures industrial and engineering molded furniture products, storage and material handling crates, multi-layer sheets, multi-layer films, packaging films, expanded polyethylene foam, **PVC pipes and fittings**, molded furniture, sataranj mats, disposable EPS containers. .

Activities performed during the visit

The company is the trend setters in plastic piping segment and claim to be a total piping solution provider with about 9000 products in the range. Company is continuously adding many unique, innovative and path breaking products to cater to the various application requirements. As and when required the company is seeking the technical assistance from the experts in the field to offer the technologically advance and superior products to the market. Few of the products innovated/developed are:

i) Solvent Cements, Primer, Rubber Lubricants and Thread Sealants

(ii) Raingain – Rainwater Filters

(iii) Fix-O Rubber Rings

(iv) Underground Tanks

(v) Underground Drainage and Sewer System (UDSS)

(vi) Packaged Sewage Treatment Plants (STP"S) Technology:

Anaerobic followed by aeration process Efforts made towards Technology Absorption: The company has done a tie-up with one of the leading environment consultant in the field to get the expertise in product designing.

Develop/ Introduce innovative products for new applications

- underground sewere & Drainage systems Patented Cross Plastic Film Product
- Underground Tanksν & Sceptic Tanks Large Varieties of Pipe Fittings
- PPR Pipe System for Industrial Application
- Large Range of Bath Room Fittings including Electroplated Products
- Industrial Valvesν Fusion Furniture
- Protective Packaging Innovative Products
- CPVC Fire Sprinkler Systemν Larger Range of Solvents
- Composite Products for Piping System

Outcome of the visit

The Students of Department of Civil Engineering, ASET, AUMP has learnt the following information and knowledge from The Supreme Industries Limited, Malanpur plant.

- Piping is one of the most important system requirements in any industry. We need different piping products for various industrial applications like transportation of corrosive chemicals, hot and cold process water, abrasive materials, compressed air etc.
- The conventional metal piping products have many demerits like poor resistance to corrosion and abrasion, chemical reactiveness, short and uncertain life span and repeated maintenance requirements.
- This leads to leakages, process interruptions and can badly affect the overall performance of the plants. Hence conventional products are not ideal to handle such aggressive materials, therefore we need efficient advanced piping systems.
- Supreme offers varieties of piping systems and products which can be used for series of applications in the industrial sector.
- These advanced plastic piping products are ideally suitable for various industries like food processing plants, tanneries, sugar factories, oil mills, dairies, compressed air distribution, radiator heating, chemical industries, metal industries, pulp and paper industries, treatment plants, coal handling, transportation of slurry and dredging, raw water, DM water and potable water distribution, rainwater harvesting, sewage and waste disposal etc.

Acknowledgement

The students were happy and very excited during the visit. They got satisfactory answers to their questions from the plant engineers and staff. A courteous high tea was also offered at the conclusion of the visit. The visit was very well managed by the company and its staff; by Mr. Brahmananda Sahoo Sr. Manager – Quality Assurance in particular. Interactions between our institute, students and the industry people may also be beneficial for further training and placement of our students.

The department of Civil Engineering expresses its gratitude to M/S **The Supreme Industries Limited**.

We are thankful to the Administration Dept. of AUMP for allowing the visit and also to the construction in-charge for providing required information at the site.

Photographs of the visit


द सुप्रीम इंडस्ट्रीज लिमिटेड Supreme
THE SUPREME INDUSTRIES LIMITED
(PLASTIC PIPES AND FITTING DIVISION, MALANPUR)
THE SUPREME INDUSTRIES LIMITED
(PLASTIC PIPES AND FITTING DIVISION)
ENVIRONMENTAL DATA BOARD (पर्यावरणीय आंकड़े)
दी सुप्रीम इण्डस्ट्रीज लिमिटेड
HAZARDOUS WASTE
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2022/05/26 13:26


Supreme
People who know plastics best
KNOWLEDGE CENTRE

AMITY UNIVERSITY
MADHYA PRADESH
(Established by Ritnand Balved Education Foundation)

Amity School of Engineering and Technology

REPORT ON INDUSTRIA VISIT

Particulars of the visit

Date: - 25/11/2021

Time: - 03:00 PM to 5:00 PM

Site of visit: - Central Institute of Plastics Engineering and Technology (CIPET), Gwalior

Attendees of visit: - B. Tech. students (ME V and III) with Mr. Amit Tyagi (TA) under the guidance of Dr. Manvandra Kumar Singh, Assistant Professor, ME, ASET, AUMP.

Activities performed during the visit

A visit of the Central Institute of Plastics Engineering and Technology (CIPET), Gwalior has been conducted for mechanical engineering students on 25th November 2021. CIPET: Centre for Skilling and Technical Support (CSTS), Gwalior has started its activities from 2016 in the Rocky Princely Fortress State of Gwalior, Madhya Pradesh with joint support of Govt. of India and Govt. of Madhya Pradesh (MSME Department). CIPET: CSTS - Gwalior started activities at Temporary Premises of Textile Technology Department Polytechnic Building, Padav Gwalior. The Foundation stone laying ceremony of CIPET, Gwalior was held on 06.06.2017 by Late Shri. Anant Kumar, Hon'ble Minister of Chemical & Fertilizer & Parliamentary Affairs, Govt. of India.

CIPET works for the following objectives:

- To provide qualified plastics professionals at various skill levels through academic Long term, short term, Skill Development & Entrepreneurship development programs in the field of Polymer Science & Technology.
- Quality Control and standardization of Plastics material and products, Technical, consultancy and advisory services for enhancing techno commercial competitiveness.
- Up gradation and Development of Human Resources for plastics and allied Industries of technical knowledge through advanced training programme.
- Research and Application development in the area of Plastics engineering & Technology.

- Design and development of moulds dies and plastics products.
- To provide support in start-up activities for new emerging entrepreneurs.

During the CIPET visit, all the mechanical students and technical assistant along with Dr. Manvandra Kumar Singh had visited the area of Tooling, Precision Machining on CNC machines, Design and Manufacturing of Moulds, Tools & Dies for manufacturing plastics products, CAD / CAM / CAE services, plastics product manufacturing through state-of-the-art Injection molding machines, Blow molding, PET, Stretch blow moulding, Pipe and Film extrusion, Standardization, Testing and quality control for Plastics Materials and products, Pre and Post-delivery inspection (PDI) of plastics products like PVC and PE pipes, Woven sacks, Water storage tanks, Micro-irrigation equipment, Engineered bamboo boards, Polymer based composite doors etc. Students have noted the important points and asked various questions about the different machine tools and others available machines to understand the basics principle and concept of their functioning.

Outcome of the visit

The outcomes of the visit are as follows:

- The students have seen various automated and non-automated machine tools its working processes in details.
- Students have learned about the functioning of automated wire EDM machine, milling machine, lathe machine etc.
- The students came to know how the injection molding machine can produce the different plastic products according to the die design.
- The functioning blow molding and rotational molding machine was understood by the students and they have learned about its product as well.
- Last but not least, students have seen the various testing or characterization machine for measuring the different properties (such as density, opacity, dielectric, tensile, compressive, hardness, compositional details, etc) of product developed by various operations.

All students and staff followed all necessary COVID-19 precautions during the visit.

Some photographs of the visit are enclosed with this report.

Acknowledgement

We are thankful to Mr. Nasir Khan, HoD ME, HoI ASET, and Administration Department of AUMP for arranging the industrial visit and also to the manager in-charge of the CIPET and lab in-charge of the respective labs at CIPET for providing required information at the institute.

Photographs of the visit:


KONARK


AMS

Amity School of Engineering and Technology

03 December 2021 (Friday)

Title" (Industrial Tour)"

Preface

Amity Science Club in collaboration with the Department of Computer Science and Engineering, Amity School of Engineering and Technology has organized a "Industrial Tour" of Smart City Control Command Center Gwalior (M.P) on 03 December 2021 from 09:15 AM to 17:00 PM.

The objective to take the students on IT Industry Tour by which the students can get the idea of How the IT Industry works.

Industrial Tour

The industrial tour was coordinated by Dr. Pankaj Kumar Mishra, Associate Professor (Applied Physics) and Ms. Divya Gautam, Assistant Professor (CSE).

The industrial tour includes a visit to the Gwalior Digital Museum, an initiative of the Gwalior Smart City. His students saw the detailed history of Gwalior through digital media. In addition, he saw a panorama displaying the Gwalior Fort, and beautiful picture frames displaying the towering buildings of the fort. The students also came to know that Gwalior is also called the "Land of Tansen" and hence the student at the museum observed how they use digital technology and musical material which helps us to learn and experience music in its raw form.

Students visited the digital library. Gwalior is a very good example of what Smart City is trying to preserve the heritage of Gwalior, as the walls of the building are beautifully designed and the art on the walls and windows is spectacular. Digital library is a good initiative which uses technology to make all the books available digitally even for children.

They then visit the Town Hall where they get to know about the various functions currently held in the Town Hall and the history of the Town Hall and then the students visited the Gwalior Smart City Integrated Command and Control Center at Moti Mahal Gwalior, where the students interacted with Mrs. Jayati Singh (CEO of Gwalior Smart City) and learned about all the ongoing projects that are part of it. Gwalior is smart city. Moti Mahal feels somewhat traditional and it is a huge combination of traditional art as well as all the technology-based innovations,

startups that people are working on there. As the walls of the building are beautifully designed and the windows everything is adorned with beautiful art. At the entrance, only the students saw a huge dashboard which displays all the current COVID cases, Integrated Traffic Management System. And here the students saw a demo session on how they detect those who have broken the traffic rules and how the cameras detect the number plate of the vehicle and the challan is generated.

And then the students saw and learned how the Smart City Development team is trying to make Gwalior a Smart City.

The students then visited the Incubation Center which is a place where people work on start-ups and Innovation projects.

The Industrial Tour was supported by Major General (Dr) SC Jain, VSM** (Retd) Director ASET.

AMITY UNIVERSITY

MADHYA PRADESH

Established vide Government of Madhya Pradesh Act No. 27 of 2010

29 November 2021 (Monday) & 30 November 2021

Webinar entitled " (Virtual Industrial Tour)"

Session 1 09:15AM to 11:00AM on 29 November 2021

Session 2 11:15AM to 01:00PM on 29 November 2021

Session 3 09:15AM to 01:00PM on 30 November 2021

Preface

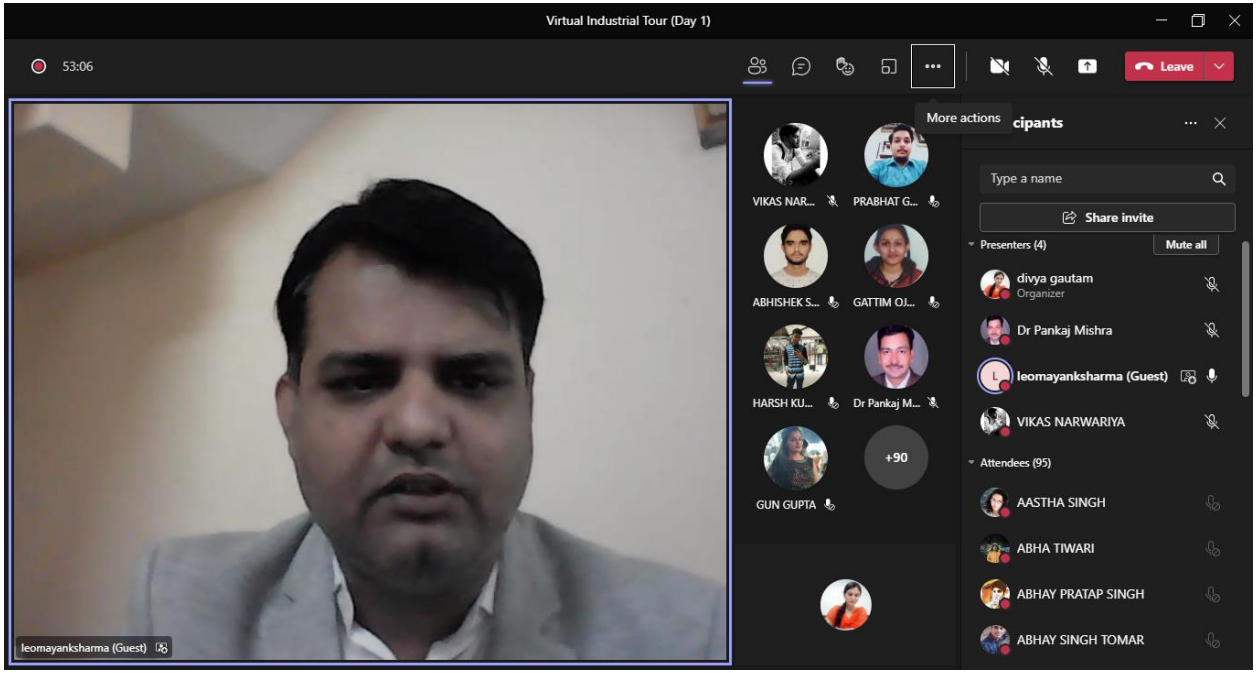
Science Club in collaboration with the Department of Computer Science and Engineering, Amity School of Engineering and Technology has organized a "Virtual Industrial Tour" delivered by Mr. Mayank Kumar Sharma founder of Amstech Incorporation Private Limited. on 29 November 2021 from 09:15 AM to 11:00 AM and Mr. Vilekh Adawadkar Corporate Trainer at Universal Infotech 2021 from 11:15 AM to 01:00 PM. Session on 30 November 2021 from 09:15-01:00 PM was delivered by Ms. Ekta Rawat, Universal Infotech. The webinar was organized on the MS TEAMS platform to take the students on IT Industry Tour virtually by which the students can get the idea of How the IT Industry works. 130 approx. participants actively attended the session.

All the session was moderated by Ms. Divya Gautam, Assistant Professor (CSE), she initiated the session by extending the formal welcome to the speakers, Mr. Mayank Kumar Sharma, Mr. Vilekh Adawadkar ,Ms. Ekta Rawat and all the participants. The program commenced with the introduction of Speaker Mr. Mayank Kumar Sharma, to the participants. Industrial Tour is a way of by which we can make our students understand about the working method in the IT Industry. All the speakeres encouraged students and other participants. They further explained to them the importance of the IT Industry as well as given guidance for Joining the Industry and how to prepare for the interview for Technical Rounds. Mr. Mayank explained that a career in Software Development is a respected position in the country. Youngsters who aspire to choose a career of excitement and challenges can find no better place than Software Engineering to meet all their professional expectations. Mr. Vilekh Adawadkar explained about the opportunities which are coming up in the Industry and who can apply for them.

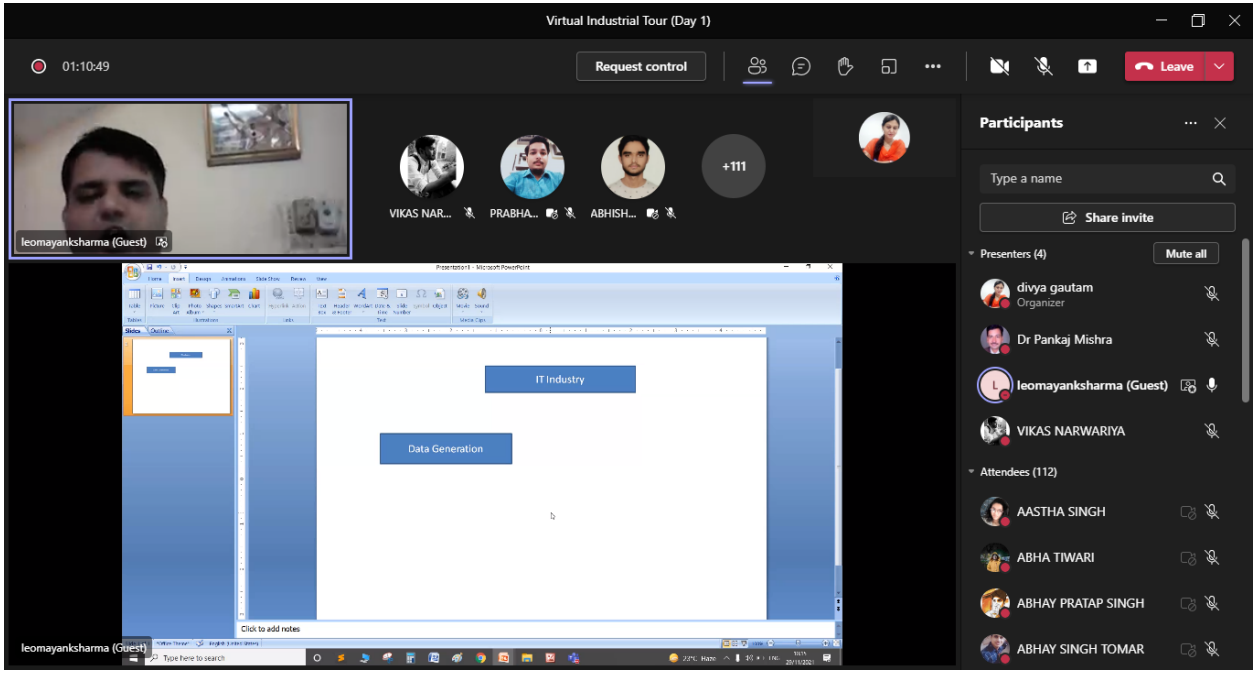
The resource persons Ms. Ekta Rawat, motivated students to prepare as per the requirements of the IT Industry. She advised the student to change their attitude and to prepare like software engineers. Shee mainly focused on the different types of entries in the different companies. Ms. Ekta Rawat also gave various important tips to clear Technical Round, HR etc.
Mr. Vilekh Adawadkar also spoke upon the different challenges faced by the Industry due to the Covid19. Also, he spoke about the impact of cutting-edge technology in recent developments.

The talk was followed by a question-answer session which was taken up by Ms. Divya Gautam, Assistant Professor (CSE) coordinator of the event. The event was supported by all Panelists Maj Gen (Dr) SC Jain, VSM** (Retd) Director ASET, Dr. Pankaj Mishra, Associate Professor (Applied Physics) ASET, Amity University Madhya Pradesh. The webinar was appreciated by all the participants. The vote of thanks was given by Dr. Venkatadri Marriboyina, Head of Department (CSE). The webinar provided holistic information and performance enhancement guidance to the young.

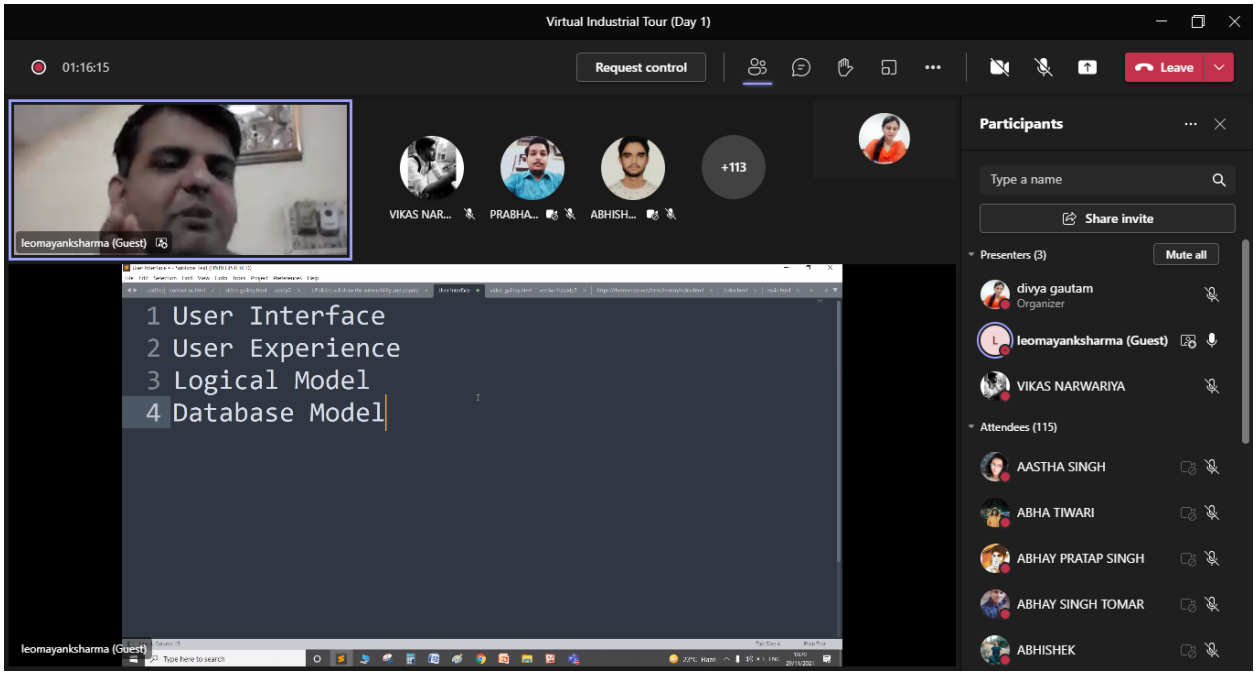
Welcome by Moderator, Ms. Divya Gautam



Speaker Mr. Mayank Kumar Sharma, Founder of Amstech



Speaker 1 Mr. Mayank Kumar Sharma, during the presentation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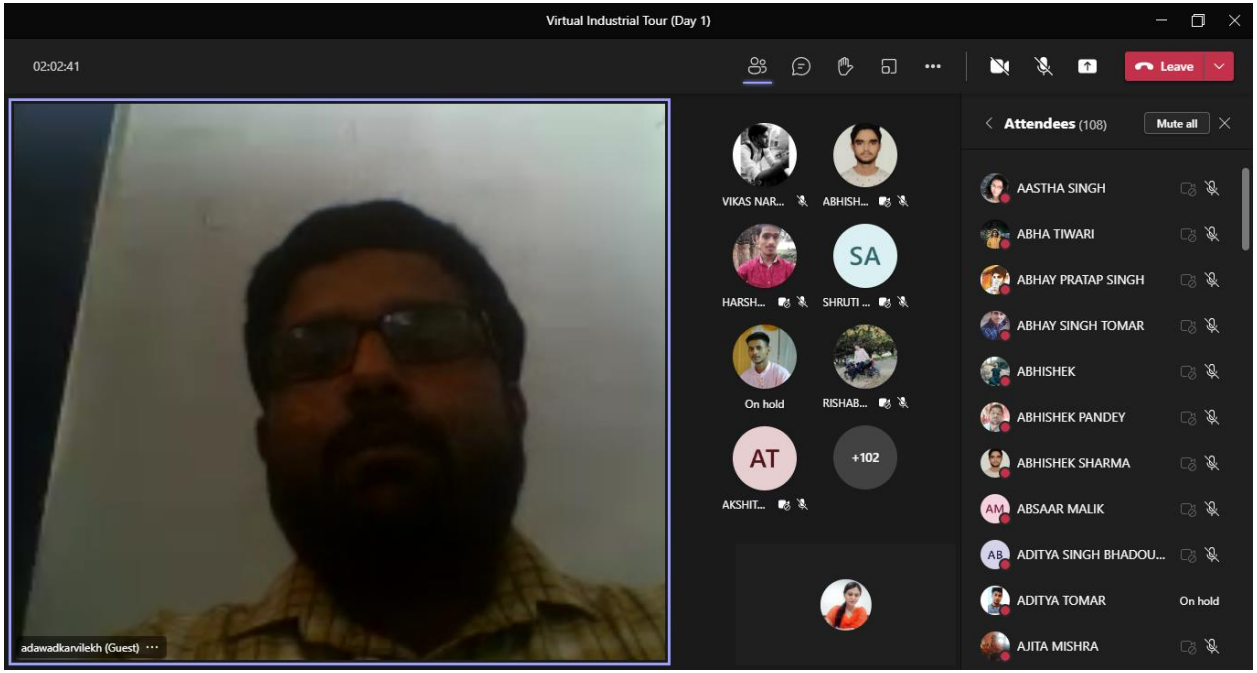
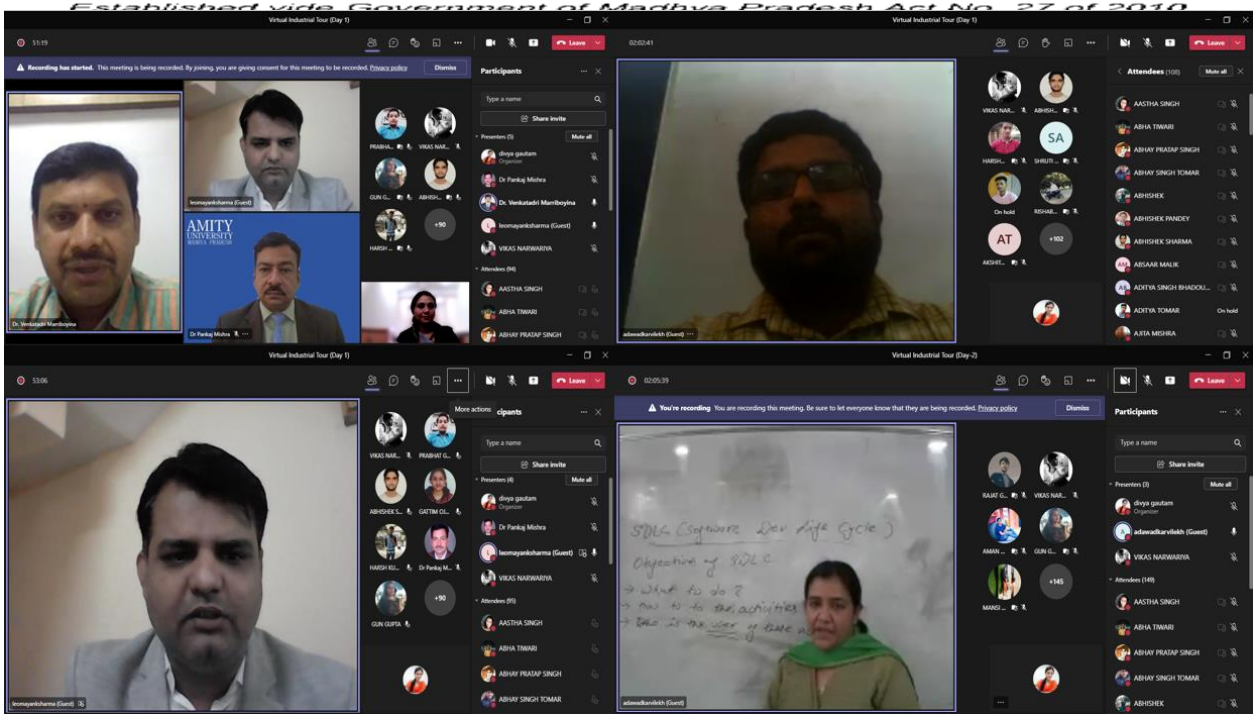
2 User Experience
3 Logical Model
4 Database Model
leomayanksharma (Guest)

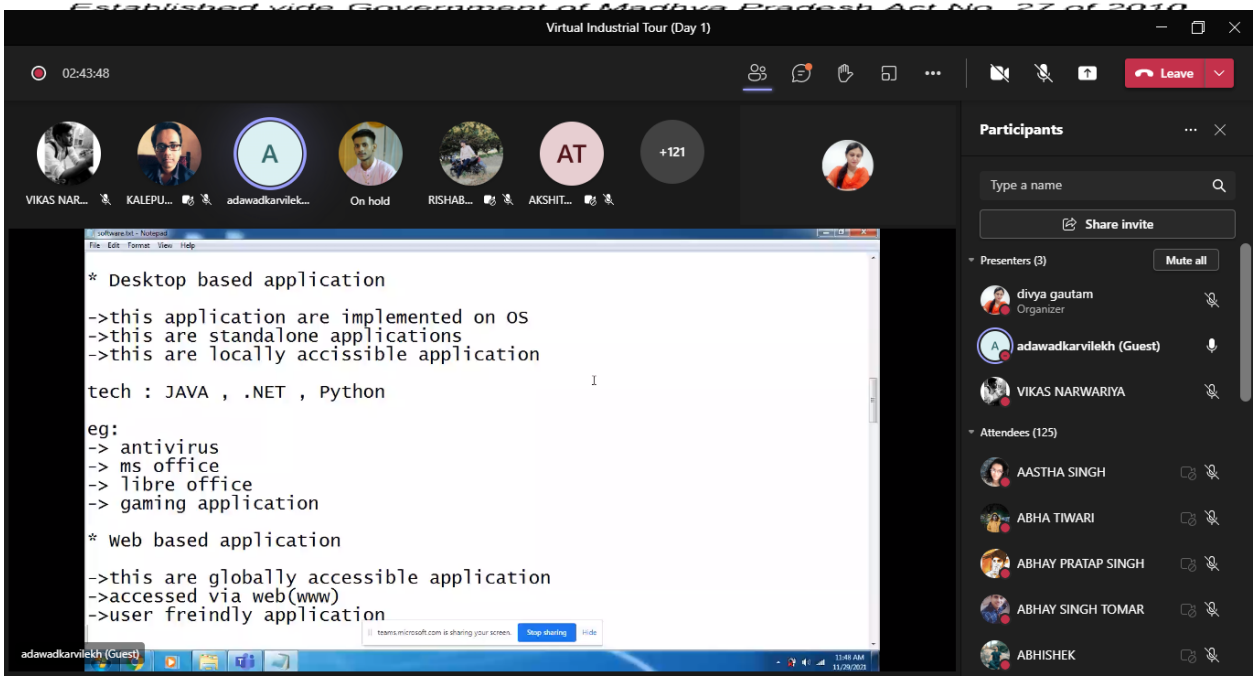
Discussion



Speaker 2 Mr. Vilekh Adawadkar, Capegemini



Speakers addressing the gathering.



Speaker 2 Mr. Vilekh Adawadkar explaining the how application works

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Amity School of Engineering and Technology

26 May 2022 (Thursday)

Industrial Visit to "The Supreme Industries Limited", Gwalior, MP

Amity School of Engineering and Technology, Amity University Gwalior organized an Industrial visit at M/s The Supreme Industry Ltd, Malanpur Plant Gwalior-475001, Madhya Pradesh, India on 26th May 2022 from 09:30 AM to 4:00 PM.

The Supreme Industry Ltd. had invited our Architecture and Civil Engineering Students and Faculties for an Industrial visit to the Knowledge Centre & Factory manufacturing unit of Plastic Pipes & Fittings at their Malanpur Plant through Corporate Resource Center (CRC) – AUMP. Supreme Industries Limited is an Indian plastics company, based in Mumbai. It handles volumes of over 420,000 tons of polymers annually. The company manufactures industrial and engineering molded furniture products, storage and material handling crates, multi-layer sheets, multi-layer films, packaging films, expanded polyethylene foam, PVC pipes, fittings, molded furniture, shatranj mats, and disposable EPS containers.

The Students of the Department of Civil Engineering, ASET, AUMP has learned the following information and knowledge from The Supreme Industries Limited, Malanpur plant.

- Piping is one of the most important system requirements in any industry. We need different piping products for various industrial applications like transportation of corrosive chemicals, hot and cold process water, abrasive materials, compressed air, etc.

- Conventional metal piping products have many demerits like poor resistance to corrosion and abrasion, chemical reactiveness, short and uncertain life span, and repeated maintenance requirements.

- This leads to leakages, and process interruptions and can badly affect the overall performance of the plants. Hence conventional products are not ideal to handle such aggressive materials; therefore we need efficient advanced piping systems.




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OUTCOME REPORT

of

Industrial Expert talk on Vigilance

02 November, 2017

By

Amity School of Engineering & Technology

General

1. Department of Electronics and Communication Engineering, ASET conducted a Industrial expert talk on 'Vigilance' on 02 Nov, 2017 in the Lecture Theatre, Block - A of the University to create an awareness of vigilance and develop moral values in students

Objective(s) of the Expert Talk

2. The Expert talk is intended to provide knowledge about vigilance, Corruption, reason of corruption, Prevention of Corruption Act 1988, Vigilance Awareness Week, Role of Youth in eradicating Corruption, Agencies for Fighting against Corruption and Vision for Corruption Free India.

Workshop Outcomes

1.Tangible Outcomes.

(a) The talk attracted a fair amount of attention from Students, Scholars & academicians. General Manager of BSNL Ltd., Gwalior Mr. Mahendra Singh Dhaker, expressed his views on vigilance and corruption which will be very useful for making corruption free India. The problem of corruption cannot be tackled by any individual or an institution alone. It requires a movement and active participation in it by every citizen. Expert talk resulted in knowledge sharing by young students & academicians. This has resulted in enhanced knowledge of moral values among students and academicians.

(b) Knowledge was disseminated to the students and faculties of ASET, who participated in the event.

(c) The industrial talk had also enlarged the pool of faculties and students which credibly enhanced the reputation of AUMP as a research and innovation driven University.

2. Intangible Outcomes.

(a) The talk was massively advertized among the various students and researchers. This has helped in brand building of AUMP.

(b) The role of vigilance is to protect the organization from internal dangers which are more serious than external threats. Vigilance in any organization is an integral function like any other function of management, such as finance, personnel, operation, marketing, material, and contracts etc

(c) Student can understand the reasons for corruption. costs of corruption and vigilance awareness week. This talk will develop moral values in students and academicians and created an awareness of vigilance.

(d) It inspires the system to implement preventive measures effectively, so that transparency and accountability can be maintained in the governance. The basic motto of this talk is to create C*orruption free India*.

Post Expert Talk Outcomes

1. Tangible Outcomes.

(a) The event was covered by leading newspapers/ news-sites. This has resulted in brand building of AUMP and is likely to result in enhanced admission in the forthcoming session.

(b) A data base of the industrial expert has been developed and maintained for future reference, MOU, industry-academia collaboration etc.

(c) On this occasion Hon'ble Director, ASET, AUMP Maj. Gen. (Dr) S C Jain, VSM** (Retd.) in his concluding remark, appreciated the efforts put in by the Mr. Mahendra Singh Dhaker, General Manager, BSNL Ltd. and also thanked the keynote speaker for sparing his valuable time. Also, he anticipated that, in future more such events may be organized to encourage our students. He felt such things would enhance the employability among students.

(Prof. (Dr.) Raghavendra Sharma)
HOD ECE-ASET

(Maj. Gen. (Dr.) S.C. Jain)

Director-ASET

Director Outcome

Pro – Vice Chancellor

Hon'ble Vice Chancellor

Event at a Glance

General Manager of BSNL Ltd., Gwalior Mr. Mahendra Singh Dhaker, expressed his views on vigilance and corruption

Fully packed faculty members and students during the talk on vigilance and corruption

AMITY UNIVERSITY
MADHYA PRADESH

OUTCOME REPORT

Of

Industrial Expert talk on Advanced Technology in Telecommunication

02 November, 2018

By

Amity School of Engineering & Technology

General

1. Department of Electronics and Communication Engineering, ASET conducted an Industrial expert talk on '**Advanced technology in Telecommunication**' on 02 Nov, 2018 at 11:00 AM in the Lecture Theatre, Block - A of the University to create an awareness of modern telecom technology in telecommunication such as Next Generation Network(NGN) to develop modern technical skills in students. Distinguished eminent speaker from reputed public sector(BSNL) made their benign presence felt and share his idea and valuable inputs to the students and faculty members in the Telecommunication domain.

Objective(s) of the Expert Talk

2. The Expert talk was organized with following objectives:

(a) To create awareness amongst students and faculties about the modern telecom technology such as Next Generation Network(NGN) particularly the role of Next Generation Network in the Industry and Society.
(b) Facilitate interaction among Indian industries, organizations, researchers, and academia to tackle global challenges from the perspectives of new technological developments in the field of Electronics & Communication.
(c) To explore thrust areas of research in this contemporary area.
(d) To provide a networking opportunity to scholars & researchers.
(e) To foster discussion on the challenges & concerns of Next Generation Network(NGN).
(f) To provide a platform to scholars & researchers to understand the concept of Next Generation Network(NGN) and its advantages as compared to Public Switch Telephone Network (PSTN).
(g) To foster Brand building of ASET and AUMP as a premiere educational Institution.

Pre – Expert Talk Outcomes

3. Tangible Outcomes.

(a) The Expert talk attracted a fair amount of attention from students, researchers & educationists in the Telecommunication domain.

(b) The enthusiastic response from the academic circle, research scholars and students led to large scale participation for the Expert talk.

4. Intangible Outcomes.

(a) Expert talk has helped in broadening the horizon of students and participants with respect to current status and future trends in Electronics & Communication.

During Expert Talk Outcomes

5. Tangible Outcomes.

(a) Eminent speaker from public sector Mr. Lalit Yadav, General Manager from of Bharat Sanchar Nigam Limited (BSNL Ltd.), Gwalior was invited. He enriched the session with his vast knowledge. Research Scholar, students and faculty members of Electronics & Communication Engineering, ASET were benefited by their deliberations.

(b) As per policy of the University the expert talk was recorded and kept in Library for future reference of faculties, scholars and students.

6. Intangible Outcomes.

(a) This expert talk resulted in knowledge sharing by young students, Research Scholars and faculty members of Electronics & Communication Engineering with the invited guest. This has resulted in enhanced knowledge of students and faculties.

(b) Knowledge was disseminated not only to the students of ASET but also to the Research Scholars and faculty members of Electronics & Communication Engineering.

(c) The technical talk amplified the awareness on various diversified issues that have increased practical skills among the students, research scholars and the faculties.

(d) The technical talk had also enlarged the pool of faculties and students as well as research scholars, which credibly enhanced the reputation of AUMP as a research and innovation driven University.

Post Expert Talk Outcomes

7. Tangible Outcomes.

(a) The most important outcome of the technical talk is the awareness of modern telecom technology. Student can understand the advantage and application of modern telecommunication technology. This talk will develop modern technical knowledge in students and academicians and created an awareness of Next Generation Network Technology.

(b) It inspires the system to implement preventive measures effectively, so that reliability and accountability can be maintained in the technology of telecommunication. The basic motto of this talk is to create digital india.

(c) The event was covered by leading newspapers/ news-sites including Bharat Mat etc. (Web-links for news clippings are given in Appendices-II & III). This has resulted in brand building of AUMP and is likely to result in enhanced admissions in the forthcoming session.

(d) The strong relationship was built with Industry like BSNL, Gwalior.

(e) A data base of all the keynote speakers and participants have been developed and maintained for future reference.

(c) Participants, who attended the technical talk, will become our brand ambassadors.

(d) This technical talk is for the in-house students. Hence it is free for them. Since there was no registration fee, therefore no income generated. The travel cost and honorarium of the expert bear by himself, therefore no financial burden on AUMP.

Actionable Progressive Outcomes

8. Tangible Outcomes

(a) Eminent speaker may be approached for getting funding projects from industry.
(b) Eminent speakers may be nominated as external member/domain expert in various departmental committees, if consented by them.

9. Intangible Outcomes

(a) Relations with the eminent speaker will help visibility of AUMP in various institutes of national repute.
(b) Research in recent trends in Electronics & Communication Engineering will be undertaken by ASET through its faculty and research scholars.

On this occasion Hon'ble Director, ASET, AUMP Maj. Gen. (Dr) S C Jain, VSM** (Retd.) in his concluding remark, appreciated the efforts put in by Mr. Lalit Yadav, General Manager, Bharat Sanchar Nigam Limited (BSNL), Gwalior and Prof (Dr.) Raghavendra Sharma, Head of The Department, ECE also thanked the keynote speaker for sparing his valuable time. Also, he echoed that, in future more such events will be organized to encourage our students. He felt such things would enhance the employability of our students.

(Prof. (Dr.) Raghavendra Sharma)
HOD ECE-ASET

(Maj. Gen. (Dr.) S.C. Jain)
Director-ASET

Director Outcome

Pro – Vice Chancellor

Hon'ble Vice Chancellor

Event at a Glance

General Manager of BSNL , Gwalior Mr. Mahendra Singh Dhaker, expressed his views on vigilance and corruption

Fully packed faculty members and students during the talk

Prof. (Dr.) Raghavendra Sharma, HOD, ECE, giving memento to Guest

Prof. (Dr.) Raghavendra Sharma, HOD, ECE, ASET proposed vote of thanks

Amity School of Engineering & Technology, Amity University Madhya Pradesh organized Talk on Skill set for I.T. Industries 07 September 2018

Amity University Madhya Pradesh organized a talk on Skill set for I.T. Industries on 07th September 2018.

The aim of this talk was to share the ideas and valuable inputs to the participants in the Skill set for I.T. Industries domain so that participants have got benefited in terms of skill set for IT Industries.

In this talk, approximately 350 students and faculty members from ASET AUMP were present.

An eminent speaker from Wipro made their benign presence felt and participated in the technical talk on Skill set for I.T. Industries to share his ideas. List of the same has been appended below.

Sl. No	Name of the Speaker	Designation with Organization	Topic of the Talk
1	Sh. Moses John Wesley Makam	Group Head at Wipro	Skill set for I.T. Industries

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Amity School of Engineering & Technology, Amity University Madhya Pradesh organized National Conference on Communication, Integrated Networks and Signal Processing (CINSP-2018)

Preface

Amity School of Engineering & Technology, Amity University Madhya Pradesh organized a National Conference on Communication, Integrated Networks and Signal Processing (CINSP-2018) on 31 January 2018. This conference was organized with objectives that, in the current global economic scenario, a robust computer and communication networks infrastructure are not only the key for social connectedness, but also for sustainable development and inclusive growth of the society as a whole. As we transition to and embrace new paradigms such as Internet of Things, Smart Cities, Make in India etc., it is inevitable that Information and Communication technology will play a pivotal role in providing scalability to these new paradigms, as also in transforming India into a knowledge–led economy and society. Consequentially, the potential of these technologies in digital empowerment of citizens and job creation is, of course, immense. In this conference more than 100 papers have been received from the various places of India, out of which 84 papers have selected for publication after peer review.

Inaugural Session: 31 January 2018

The programme started with the registrations of participants. The Inaugural session started with an auspicious lamp lighting by Chief Guest Dr. Gulshan Rai, National Cyber Security Coordinator, New Delhi, Hon'ble Vice Chancellor Lt Gen VK Sharma, AVSM (Retd.), Pro-Vice Chancellor Prof. (Dr.) M. P. Kaushik, Organizing secretary of the event and Director ASET Maj Gen (Dr) SC Jain, VSM** (Retd), Dean Research Prof. (Dr.) S. P. Bajpai, Dean Academics Prof. (Dr.) R. S. Tomar, Registrar Shri Rajesh Jain, Deans, HOIs, HODs, faculty members of Amity University, Gwalior and participants which was followed by Saraswati Vandana and felicitation of Guests.

Lighting of the lamp by Chief Guest Dr. Gulshan Rai, National Cyber Security Coordinator, New Delhi,, Hon'ble Vice Chancellor Lt. Gen. VK Sharma, AVSM (Retd.), Pro-Vice Chancellor Prof. (Dr.) M. P. Kaushik, Organizing secretary of the event and Director ASET Maj Gen (Dr) SC Jain, VSM** (Retd),

Thereafter, Hon'ble Vice Chancellor, AUMP Lt Gen VK Sharma, AVSM (Retd.) delivered the opening remarks and enlightened the participants with the importance of Communication, Integrated Networks and Signal Processing. Importance of Internet in daily life and also its drawbacks and various thrust area of research in the field of Communication, Integrated Networks and Signal Processing. The rapid proliferation of mobile phones has bridged the communication divide across geographical locations. It has empowered people and opened new opportunities, access, and possibilities few could have imagined just a decade ago. Many conventional services like banking, education, marketing, television and routine transaction payments have now converged onto a mobile screen. Startups and developers across the emerging markets are already building Mobile services and bringing the applications to the palm of users. However, the security of networks remains a challenge particularly when we take a holistic look to include the security of not only networks, but software, applications and most importantly, the data.

Opening Remark by Hon'ble Vice Chancellor Lt Gen VK Sharma, AVSM (Retd.)

Dr. Gulshan Rai, National Cyber Security Coordinator, New Delhi was the Chief Guest and Key Note speaker of the conference. He delivered the Keynote address on different areas of Information Technology which include different aspects of e-Governance, cyber security, cyber laws and several related fields. He discussed about four digital revolution wearable, augmented reality, filters and social media. Cyber is becoming an integral part of ecosystem. He also discussed about popular and common technologies like internet, mobility, encryption (end to end), virtual reality, social media, robotics, artificial intelligence, nanotechnology and cloud, hacking, cybercrime, cyber espionage, cyber warfare, cyber threat evaluation, intrusive and disruptive attacks, malware, big data etc. MH-370 aeroplane is an example of cyber warfare. Today we enter in the era of cyber warfare. He explained about emerging scenario 2025, professional cyber security roadmap and governance of the net etc.

Chief Guest Dr. Gulshan Rai, National Cyber Security Coordinator, New Delhi during his talk.

Next session was chaired by Dr. K K Pattanaik , ABV-Indian Institute of Information Technology & Management Gwalior, MP, delivered a talk on "Centric Future Quality of Service Internet". In his lecture he stressed about future prospects of internet. The Internet probably is one the few revolutions that technology has been able to penetrate and influence almost every sphere of human life. The major stake holders are its end users that use it as a service and the other is the application service providers who try to maximize their return on investment. The unprecedented growth of both these stake holders have put enormous challenges in providing the best of quality associated to the delivery of their respective services. Quality with respect to the service over Internet has different contexts of the type of service being provided. Application of computing and communication technology has brought together several disciplines of human mankind to explore and venture into each other's sphere and find the innovative ways to deal with various cross-domain opportunities. In this context the future Internet infrastructure will host more network traffic generated not by humans, but by the embedded devices and intelligent software agents. The huge amount of information appearing in the network and their processing added to the nomadic nature of the end users will bring in enormous opportunities to think about the issues and challenges in providing better QoS centric Internet.

Dr. K K Pattanaik, ABV-Indian Institute of Information Technology & Management Gwalior, MP during his talk.

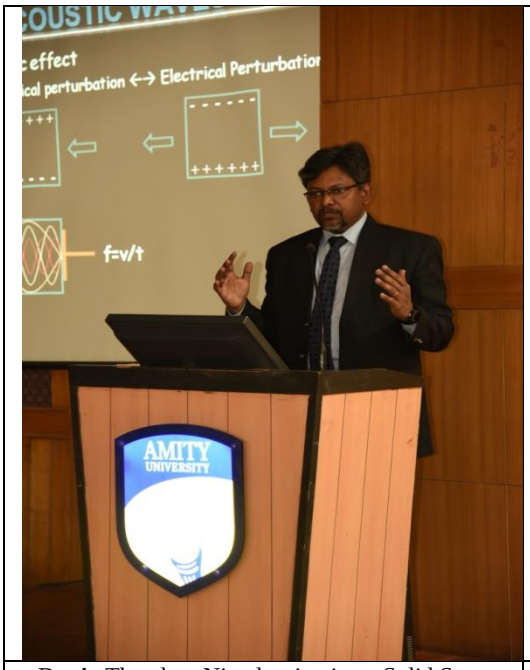
Dr. K K Pattanaik, ABV-Indian Institute of Information Technology & Management Gwalior welcomed by Dr. Raghavendra Sharma, Secretary of the conference

Parallel session was the technical paper and poster presentations by the participants which was chaired by Prof. (Dr.) Arvind Kumar Upadhyay and Dr. Pankaj Mishra. Thereafter, the Souvenir of the conference was released.

Chief Guest Dr. Gulshan Rai, National Cyber Security Coordinator, New Delhi, Dr. K K Pattanaik, ABV-Indian Institute of Information Technology & Management Gwalior, Hon'ble Vice Chancellor Lt Gen VK Sharma, AVSM (Retd.), Pro-Vice Chancellor Prof. (Dr.) M. P. Kaushik, Organizing secretary of the event and Director ASET Maj Gen (Dr) SC Jain, VSM** (Retd), Secretary Dr. Raghavendra Sharma during the release of Souvenir of the conference.

Post lunch session was chaired by Dr. A. Theodore Nimal, scientist at Solid State Physics Laboratory, Defence Research and Development Organization (DRDO), Delhi. He delivered a talk on "Surface Acoustic Wave (SAW) devices, Sensors and e-Nose". Surface Acoustic Wave (SAW) devices are signal

processing devices. Using the principles of digital signal processing various types of devices such as delay lines, tapped delay lines, filters, resonators, dispersive delay lines, RFID etc can be realized. By suitable modifications these devices can be used as variety of sensors for physical, chemical and biological sensing owing to its extreme sensitivity to mass loading, temperature, stress and strain. SAW devices can be used as chemical vapour/gas sensors as they are extremely sensitive, rugged and easily integrated with electronics. In real world situation due to the presence of multiple vapours, in order to detect the target analyte of interest, an improvised class of sensors called electronic Noses (e-Nose) are required. SSPL, DRDO has developed SAW e-Nose for Chemical Warfare Agents at present. This talk would cover principles, design and fabrication of SAW devices, SAW sensors, SAW e-Noses and developments at SSPL.



Dr. A. Theodore Nimal, scientist at Solid State Physics Laboratory, Defence Research and Development Organization (DRDO), Delhi during his talk.

Chief Guest Dr. Gulshan Rai, National Cyber Security Coordinator, New Delhi felicitated by Hon'ble Vice Chancellor Lt Gen VK Sharma, AVSM (Retd.)

Dr. K K Pattanaik, ABV-Indian Institute of Information Technology & Management Gwalior felicitated by Hon'ble Pro-Vice Chancellor Prof. (Dr.) M. P. Kaushik

Dr. A. Theodore Nimal, scientist at Solid State Physics Laboratory, Defence Research and Development

	Organization (DRDO), Delhi felicitated by Hon'ble Pro-Vice Chancellor Prof. (Dr.) M. P. Kaushik

Valedictory Function :

The one day conference ended with the Valedictory Ceremony which began with the welcome of guest Prof. (Dr.) Dr. Kamaljit Rangra, Chief Scientist and Head Transducers and Actuators Group, CEERI-Pilani by Hon'ble Vice Chancellor, AUMP Lt. Gen. V. K. Sharma, AVSM (Retd.) along with Pro-Vice Chancellor Prof. (Dr.) M. P. Kaushik, Organizing secretary and Director ASET Maj Gen (Dr) SC Jain, VSM** (Retd), Dean Research Prof. (Dr.) S. P. Bajpai, Dean Academics Prof. (Dr.) R. S. Tomar, Registrar Shri Rajesh Jain, Deans, HOIs, HODs, faculty members of AUMP, Gwalior and participants. In his valedictory address, Dr. Kamaljit Rangra, Chief Scientist and Head Transducers and Actuators Group, CEERI-Pilani talked about Designing, Modelling and Fabrication of high frequency MEMS devices and systems, Vacuum Microelectronics, MEMS packaging technology, Digital micro-mirror devices for imaging, IR-MEMS detectors, RF and optical MEMS, Analytical Techniques for devices and materials and MEMS process-design.

Dr. Kamaljit Rangra, Chief Scientist and Head Transducers and Actuators Group, CEERI-Pilani felicitated by Hon'ble Vice Chancellor Lt Gen VK Sharma, AVSM (Retd.)

Dr. Kamaljit Rangra, Chief Scientist and Head Transducers and Actuators Group, CEERI-Pilani during his talk.

In his concluding remarks, the Prof (Dr) M P Kaushik, Hon'ble Pro-Vice Chancellor, Amity University Madhya Pradesh, Gwalior explained the various aspects of communication, integrated networks and cyber security. He also explained the importance of internet of things

in our daily life and the future research area in the domain of Communication, Integrated Networks and Cyber Security.

Concluding Remark by Hon'ble Pro-Vice Chancellor Prof. (Dr.) M. P. Kaushik

Thereafter, the winners of the Best paper and poster were awarded certificate and prizes by the Hon'ble Chief Guest Dr. Kamaljit Rangra along with the Hon'ble Vice Chancellor Lt Gen VK Sharma, AVSM (Retd), Hon'ble Pro-Vice Chancellor Prof (Dr) M P Kaushik and Director ASET Maj Gen (Dr) SC Jain, VSM** (Retd). There were two winners for best paper and poster presentation. Best paper award has been given to Mr. Abhijeet Agarwal, Manik Chandra, Pramod kumar and Tejaswi Sachwani from DEI Dayalbagh, Agra for presenting their paper on the topic "Design and Analysis of an Intelligent Fire Detection" and best poster award has been given to Mr. Nripesh Gupta, Student of Department of Electronics and Communication Engineering, Amity University Madhya Pradesh, Gwalior for presenting his poster on the topic "Blue Brain – The Virtual Brain".

Best Paper and poster winners

The vote of thanks was proposed by the Organizing secretary of the conference Maj Gen (Dr) SC Jain, VSM** (Retd), Director, Amity School of Engineering and Technology, Amity University, Gwalior. In his vote of thanks he thanked on behalf of Amity School of Engineering and Technology and the entire university to global icons of science and distinguished guests of the day Dr. Gulshan Rai, National Cyber Security Coordinator, New Delhi, Prof. K K Patnaik ABV-IIITM Gwalior, Dr. A T Nimal, Scientist-F, SSPL, Dr. Kamaljit Rangra, Chief Scientist and Head Transducers and Actuators Group, CEERI-Pilani Delhi, Hon'ble Vice Chancellor Amity University Madhya Pradesh, Gwalior Lt. Gen. V.K. Sharma, AVSM (Retd.); Pro Vice Chancellor, Prof Dr M. P. Kaushik; Dean Research Prof Bajpai; Registrar, Deans, HoIs, HoDs, faculty members and the supporting staff of AUMP, Administration Department headed by Col. S. K. Sethi (Director Administration), Mr Umesh Kant Sharma & their Support Staff, Dr Sumit Narula, Director, ASCO and his team, participants and students who have attended this conference, Secretary of the conference Dr. Raghavendra Sharma, Convenors Dr. Vivek Singh Kushwah and Mrs. Rinkoo Bhatia, and members of all committees, last but not the least Members from print and electronic media.

Appendix-I

Links of news clippings – ASET National Conference on Communication, Integrated Networks and Signal Processing - 31/01/2018

1. {31.01.2018}https://portal.amity.edu/backoffice/Uploads/media/1496_DainikSandhyaDesh-31.01.2018CINSP2018NationalConferenceonCommunication,IntegratedNetworksandSignalProcessing-Amity.jpg, Dainik SandhyaDesh.com-Web

2. {31.01.2018}https://portal.amity.edu/backoffice/Uploads/media/1495_Educationalduniya.com,31.01.2018CINSP2018NationalConferenceonCommunication,IntegratedNetworksandSignalProcessing-Amity.jpg, EducationalDuniya.com-Web

3. {01.02.2018}https://portal.amity.edu/backoffice/Uploads/media/1497_NavBharat-01.02.2018CINSP2018,NationalConferenceonCommunication,IntegratedNetworksandSignal Processing-Amity.jpg, Nav Bharat-Page-2

4. {01.02.2018} https://portal.amity.edu/backoffice/Uploads/media/1494_DainikBhaskar-01.02.2018CINSP2018NationalConferenceonCommunication,IntegratedNetworksandSignalProcessing-Amity.jpg, Dainik Bhaskar-Page-2

5. {01.02.2018}https://portal.amity.edu/backoffice/Uploads/media/1493_Patrika-01.02.2018CINSP2018NationalConferenceonCommunication,IntegratedNetworksandSignalProcessing-Amity.jpg, Patrika-Page-14

6. {01.02.2018}https://portal.amity.edu/backoffice/Uploads/media/1498_RajExpress-01.02.2018CINSP2018NationalConferenceonCommunication,IntegratedNetworksandSignalProcessing-Amity.jpg, Raj Express-Page-3

7. {01.02.2018}https://portal.amity.edu/backoffice/Uploads/media/1499_BharatMat-01.02.2018CINSP2018NationalConferenceonCommunication,IntegratedNetworksandSignalProcessing-Amity.jpg, BharatMat-Page-2

8. {01.02.2018}https://portal.amity.edu/backoffice/Uploads/media/1500_PradeshToday-01.02.2018CINSP2018NationalConferenceonCommunication,IntegratedNetworksandSignalProcessing-Amity.jpg, PradeshToday-Page-2, Date: 01.02.2018.

9. {23.01.2018} https://portal.amity.edu/backoffice/Uploads/media/1483_Educationalduniya.com-23.01.2018. PrePress (CINSP2018) National Conference on Communication ,Integrated Networks and SignalProcessing-Amity.jpg, EducationalDuniya.com-Web

10. https://portal.amity.edu/backoffice/Uploads/media/1479_Patrika-24.01.2018 Pre Press (CINSP 2018) National Conference on Communication, Integrated Network sand Signal Processing-Amity .jpg , Patrika-Page-12.

11. {24.01.2018} https://portal.amity.edu /backoffice/Uploads/media/1480_NavBharat-24.01.2018PrePress(CINSP2018)NationalConferenceonCommunication,IntegratedNetworksandSignalProcessing-Amity.jpg, Nav Bharat-Page-1.

12. {24.01.2018} https://portal.amity.edu/backoffice/Uploads/media/1481_ Dainik Sandhyadesh.Com-24.01.2018-PrePress(CINSP2018) National Conference on Communication,Integrated Networksand Signal Processing-Amity..jpg , Dainik SandhyaDesh.com-Web

13. {24.01.2018} https://portal.amity.edu/backoffice/Uploads/media/1484_Bharat-Mat 24.01.2018, PrePress (CINSP2018) National Conference on Communication, Integrated Networks and Signal Processing-Amity.jpg, Bharat-Mat-Page-3
14. {24.01.2018} https://portal.amity.edu/backoffice/Uploads/media/1485_PradeshToday-24.1.2018-PrePress NCINSP 2018 National Conference on Communication, Integrated Networks and Signal Processing-Amity.jpg, PradeshToday-Page-2

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11th October 2019 (Friday)

National Conference on Advances in Intelligent Computing and Communication Technologies (AICCT-2019)

Amity School of Engineering and Technology (ASET), AUMP organized a National conference on **Advances in Intelligent Computing and Communication Technologies (AICCT-2019)** on 11th October 2019. The conference was organized with objectives to discuss and promote the recent developments in the field of Intelligent Computing and Communication Technologies and to glimpse on probable advancement of Intelligent Computing and Communication in various aspects of industry.

The conference constituted a great opportunity to create a multidisciplinary platform for researchers and experts to address various issues like industrial, advance technology, creativity at work place, innovation, developments of Intelligent Computing and Communication Technologies etc. The conference was inaugurated by opening remarks of Lt Gen V K Sharma, Hon'ble VC, AUMP followed by keynote address by the Chief Guest – Prof (Dr) Sampat Raj Vadera, Professor & Head, Indian Institute of Technology, Jodhpur and Dr A C Pandey, Joint Director, DRDE, Gwalior. Following very active and lively lecture was delivered by eminent invited speaker Dr A C Pandey, Joint Director, DRDE, Gwalior and Prof (Dr) Prakash D Vyavhare, Former Professor, SGSITS, Indore. The conference was attended by more than 100 participants from the various places of India. Only 75 research articles/papers were selected for publication in the Conference proceeding after peer reviewed by scientific committee. The conference positively met their objectives in promoting awareness of and ardent demand for Advances in Intelligent Computing and Communication Technologies in this revolting time, and familiarizing the delegates/research scholars with the current developments and potential possibilities in the area of Intelligent Computing and Communication Technologies.


07 SEPTEMBER 2018 (FRIDAY)

Talk on Skill Set for I.T. Industries

Amity University Madhya Pradesh organized a talk on Skill Set for I.T. Industries on 07th September 2018. The aim of this talk was to share the ideas and valuable inputs to the participants in the same domain so that participants have got benefited in terms of needed skill set for IT Industries.

In this talk, approximately 350 students and faculty members of from ASET AUMP were present.

The talk was inaugurated with opening remarks by Lt Gen. V.K. Sharma, Honorable VC AUMP Gwalior, followed by an address by the Sh. Moses John Wesley Makam, Group Head at Wipro. He revealed about Skill Set for I.T. Industries. He said students has to put more efforts on learning calculus, probability, statistics and linear algebra to prepare themselves for IT Industry.

The talk positively met their objectives in promoting awareness of ardent demand for this new domain of Computer Science in this revolting time, and familiarizing the students and faculty members with the current developments and potential possibilities in the area Skill Set for I.T. Industries.

01 February 2019 (Friday)

Guest Lecture on "Gearing up for Smart Technocrarts Feature

A guest lecture on "Gearing up for Smart Technocrarts Feature" was organized by the Department of Electronics and Communication Engineering & Applied Physics (ASET), Amity University Madhya Pradesh on 1st February, 2019. The programme was started with the inaugural ceremony by making blessings of goddess of wisdom, Maa Saraswati. The brief introduction about Ms. Anshu Johri was given by Dr. Manisha Singh, Associate Professor, Applied Physics. The lecture was delivered by **Ms. Anshu Johri, hardware engineer, Intel Corporation, California (USA).** She did Bachelor of Engineering from Government Engineering College, Jabalpur, and Master of Science in Electrical Engineering from San Jose State University, California with specialization in Digital Design. Ms. Anshu Johri discussed various issues and challenges in current technological trends, IoT applications, Sensor Technology, Machine learning, deep learning, data science, virtual reality, low power systems and security. She also discussed how these technologies helps for innovation and entrepreneurship for learning technocrats. She explained different Potential career paths for learning technocrats like MS, MBA, PhD, Architects, Designer, Validators etc. She emphasized on conceptual learning for innovation to solve the day to day problems and discussed various aspects of IOT like home automation, assisted driving, driverless car, assisted living, medicine, entertainment, social media, artificial intelligence and hospital management. She enlighted on system software, firmware, application software, security chip processors, System on chip(SoC) and system verilog etc. She also discussed various career opportunities to the students in the areas of academic, research, industries and technology at various national and international level that not only ensures their employability but strengthen them to be an successful entrepreneurs. She also shared the role of young budding technocrats to spread awareness among the society to increase overall technical skills of the individual. Ms. Anshu Johri was felicitated from AUMP with a memento as a token of remembrance by Maj Gen (Dr) SC Jain, VSM** (Retd), Director, Amity School of Engineering and Technology, Amity University Madhya Pradesh. The vote of thanks was proposed by Head of the Department ECE, Prof. (Dr.) Raghavendra Sharma. This programme was successfully planned and organized with the co-ordination of Prof. (Dr.) Raghavendra Sharma and Dr. Manisha Singh along with all staff members of ASET,AUMP.




AMITY UNIVERSITY
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Established vide Government of Madhya Pradesh Act No. 27 of 2010

Expert Lecture by Dr. M.K. Trivedi, Professor and HOD, Civil Engineering, MITS Gwalior, M.P.

27 September 2019 (Friday)
Time: 3:30 PM-5 PM, Venue: 105, Block C, AUMP

The Department of Civil Engineering, Amity School of Engineering and Technology, AUMP conducted an expert lecture on 27 September at ASET, AUMP. The invited expert was Dr. M.K. Trivedi, Professor and HOD, Civil Engineering Department, MITS Gwalior. The participant students were from Civil Engineering branch of ASET-AUMP. The topic of presentation was *"Introduction to Hydrology: A Lecture Note*". It was a very interactive session. Students and faculty members actively participated in the lecture discussion. The main abstract of the presention is as follows. Hydrology is the scientific study of the movement, distribution, and quality of water on Earth and other planets, including the water cycle, water resources and environmental watershed sustainability. A practitioner of hydrology is a hydrologist, working within the fields of earth or environmental science, physical geography, geology or civil and environmental engineering. Using various analytical methods and scientific techniques, they collect and analyze data to help solve water related problems such as environmental preservation, natural disasters, and water management. Hydrology subdivides into surface water hydrology, groundwater hydrology (hydrogeology), and marine hydrology. Domains of hydrology include hydrometeorology, surface hydrology, hydrogeology, drainage-basin management and water quality, where water plays the central role. Oceanography and meteorology are not included because water is only one of many important aspects within those fields. Hydrological research can inform environmental engineering, policy and planning. The session was letter ended with vote of thanks by Mr. Mohan Kantharia, HOD, Civil, ASET-AUMP.

Some of the photos were shown from the lecture below.



17 January 2020 (Friday)

International Conclave on Research Progress

An International Conclave on "Research Progress" was organized by the Department of Computer Science and Engineering, ASET, Amity University Madhya Pradesh on 17th January 2020. The brief introduction about Dr. Lalit Garg was given by Mr Vivek Parashar, Asst Professor, dept of CSE. The talk was delivered by **Dr. Lalit Garg, Professor, University of Malta.** He mentioned that a group of university can collaborate with each other and carry out some fundamental research. He has given a wide spectrum to facilitate student to work at University of Malta. Further the discussion was completed in the presence of Hon'ble Pro-Vice Chancellor Prof. (Dr.) M. P. Kaushik with his valuable suggestions regarding different MoU's with the University of Malta and Amity University Madhya Pradesh, Gwalior.

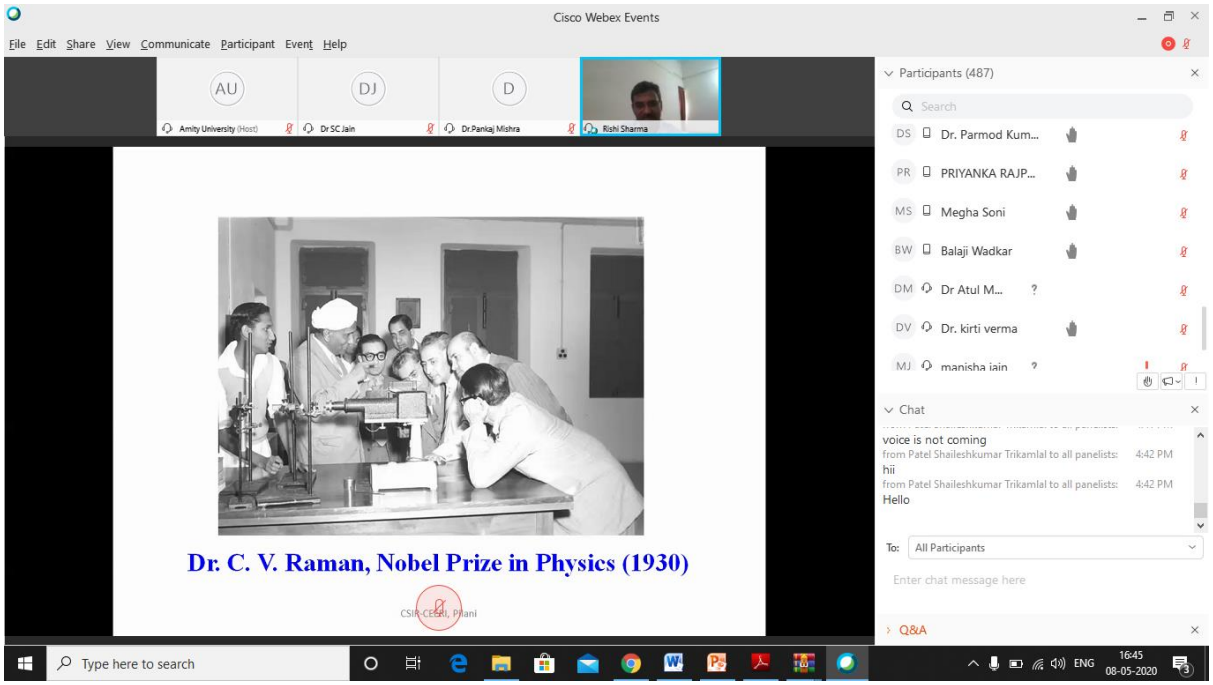
Dr. Lalit Garg was felicitated from AUMP with a memento as a token of remembrance by Maj Gen (Dr) SC Jain, VSM** (Retd), Director, Amity School of Engineering and Technology, Amity University Madhya Pradesh. The vote of thanks was proposed by Head of the Department CSE, Prof. (Dr.) Venkatadri M. . This programme was successfully planned and organized with the co-ordination of Er. Vivek Parashar along with all staff members of ASET,AUMP.




08 May 2020 (Friday)

Webinar Titled "Development of micro-sensors and their applications using artificial intelligence"

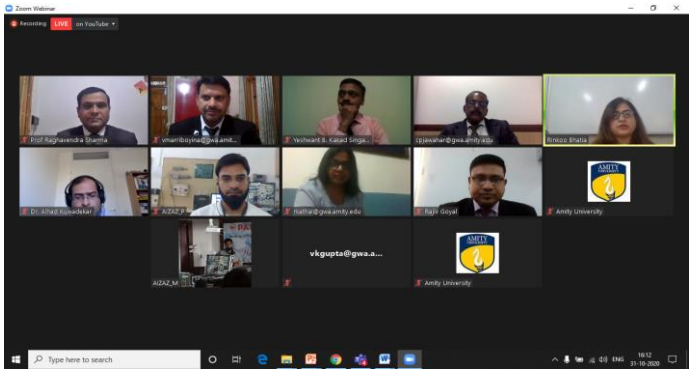
Amity School of Engineering and Technology, AUMP organized an Webinar titled Development of micro-sensors and their applications using artificial intelligenc on 8 May 2020.The talk was delivered by Dr. Rishi Sharma currently working as a Senior Scientist, Nano-bio sensors Group at CSIR-CEERI, Pilani The lecture emphasised on the design and development of microsensors for bio sensing applications which can be taken as the indispensible need of the society in every walk of life. Approximately 978 participants registered for the event and 666 participant actively attended the session. Dr.Pankaj Mishra, Associate Professor, Department of Physics was moderator to the event supported by Maj Gen (Dr) SC Jain, VSM** (Retd), Director ASET and Dr.Manisha Singh ,Head ,Department of Physics.



31 October 2020 (Saturday)

International Webinar Titled "Career Opportunities in Internet of Things (IoT)"

Amity School of Engineering and Technology, AUMP organized an International Webinar titled **"Career Opportunities in Internet of Things (IoT)"** on 31st October 2020.The talk was delivered by three speakers, **Dr. Alhad Kuwadekar**, working as a Chief Technology Officer (CTO) in i4Things BV, **Netherland, Mr. Yeshwant Kakad,** Technical Lead ,Deutsche Bank, **Singapore** and Mr. **Aizaz Tirmizi**, HR Manager, Sofcon India Pvt Ltd, **Bhopal** (M.P.). The lecture emphasized on the Potential thrust areas like Internet of Things (IoT) and industry 4.0" technology that include cyber-physical systems (CPS), industrial internet of things (IIOT),cloud computing, cognitive computing, artificial intelligence, Mobile Computing, Mobile Communication, Next Generation Networks, Wavelet Transform, IMS and LTE for public safety systems. Approximately 796 participants registered for the event and 536 participants attended the event. Opening Remarks of the session given by the Maj Gen (Dr) SC Jain, VSM** (Retd) Director ASET. **Dr. Alhad Kuwadekar** initiated his session by giving introduction of Internet of Things (IoT), Smart Home Technology and how modern industries are highly dependent on Internet of Things (IoT) for all operations. Further he progressed his talk by discussing the different applications and advantages of Internet of Things (IoT) like Energy efficiency, Saving money and more security. **Mr. Yashwant Kakad** initiated his session by giving his talk on Internet of Things (IoT) for fresh aspiring graduates for their better job opportunities in modern industries. **Mr. Aizaz Timrizi** discussed about "Industry 4.0" technology. Industry 4.0 is the subset of the fourth industrial revolution that concerns industry. The talk was followed by question answer session which was taken up by Ms. Rinkoo Bhatia, Assistant Professor, Department of Electronics & Communication Engineering, moderator of the event. The event was supported by Maj Gen (Dr) SC Jain, VSM** (Retd) Director ASET, Dr. Raghavendra Sharma, Professor & Head, Department of Electronics & Communication Engineering and Dr Venkatadri Marriboyina, Professor & Head Department of Computer Science & Engineering. Webinar was appreciated by all the participants.



AMITY UNIVERSITY
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Outcome Report (Event/Activity Organised @ AUMP)

1. General Information

1.1 Date: **16th May, 2020**
1.2 Event Type: **Expert Lecture: ASET, AUMP**
1.3 Event Title: **Trends and Opportunities in Software Industries**
1.4 Venue: **Through Online session via Teams**
1.5 Organised by (School): **ASET, AUMP**

1.6 Student Participation*: No. of Students from AUMP (Course wise):- Attendees 88 from BTech-CSE (ASET) and Registrations 124.

1.7 Faculty Participation*: No. of Faculty Members from AUMP (Deptt. wise):- All ASET Faculty members.

1.8 Participation from outside AUMP*: No. of Students & Faculty Members-NA

1.9 Event Coordinator(s) with designation: Ms Divya Gautam, Assistant Professor, Department of Computer Science and Engineering, ASET, AUMP, Ms Madhvi Dhingra, Assistant Professor, Department of Computer Science and Engineering, ASET, AUMP, Ms. Ajeesha Nair (Student coordinator, ASET-CSE).

1.10 General Introduction of the Event

Department of Computer Science and Engineering of Amity School of Engineering and Technology, AUMP organised a Webinar on "Trends and Opportunities in Software Industries" on MS Teams Platform on 16th May 2020. The talk was delivered by Mr. Zeeshan Khan currently working as Senior Full Stack Developer in DXC Technologies, Indore from 4:00 pm to 6:00 pm. The talk was focused on the recent trends, technologies, and various opportunities in the computer industry.

1.11 Objectives of the Event

Following are the objectives of the Event:

a. To apprise and mould Engineering students of Computer Science and Engineering, ASET, AUMP.
b. To have an insight into the actual working of software industries
c. To train students for moulding themselves with technical skill-set to become an efficient software developer and technocrat.
d. To make students understand the Industry work culture and various technical requirements for grabbing a high package job.

2. Details of Expert/Speaker/Resource Person/Judge:

SN	Country Name	Expert Name	Organisation Name	Designation	Specialisation	Contact No.	E-mail Id	Address	Major Areas where Amity can Collaborate with expert	CV of Expert (Yes/ No)
i.	India	Mr. Zishan Khan	DXC Technologies	Associate Technical Architect and Team Lead,	Frontend developer, Backend Developer, Full stack developer, Mobile Developer		Zk.zeshan.Khan@outlook.com	Indore	Yes for conducting Expert Talk for fulfilling the GAP between industry and Institution.	Yes with ASET-CSE
ii.										

3. Outcome of the Event with Time Lines (Proposed/Achieved) (Pl fill the relevant rows)

Envisaged Outcome	Tangible/ Intangible	Achieved/ Proposed	Target date & responsibilities (if proposed)	Details of outcome
I. **Outcome related to Academia Connect**				
a) Collaborations for Research Papers/Conference Papers/ Book Chapter etc.	*Engineering students and Faculty members*	*Students got a concept of IT industry work scenarios*	*Students are advised to start work on new projects. Also advised to propose new ideas for implementation.*	*Students have learnt various technologies and platforms on which current IT industries rely.*
b) Collaborations & MOU for Research Guidance [PhD, PG & UG (summer training, Dissertation)] & Projects/Use of Instruments etc.	*Students can go for summer internships and can learn to work on recent languages and platforms for developing the projects.*	*In Future if any student will want to work on new technology then department will support them.*	*PG and PhD students can carry out their research work under his able guidance*	*Students have acquired the knowledge of Industry culture and detailed knowledge of IT Tools for carrying out various projects.*
c) Collaboration for Funded Projects	*Students and faculty members can collaborate for various projects*	*Students got the idea for making out the projects as per requirement and need of the hours. Example app developmen t*	*Research based on various cross platforms are discussed*	*To emphasize about the usages of various tools and technologies for developing the research based projects*
II. **Outcome related to Industry Connect**				
a) Placement	*Apprised students with technical development skills in different areas like ML/AI, IoT, Data Science, Data analysis etc.*	*Students become aware of various requirement of software Industries and scope of Computers*	*Various Technologies are the requirements of the current scenarios and students get equipped with the understanding of the terms in software engineering and development.*	*Students have learned the requisite skills of understanding the development of projects using various Technologies.*

		and Technologies in Industries.		
b) Collaborations for Research Papers	*Reviews on various technologies in trends can be used for writing the research papers. It includes the outcome based projects as well.*	*Students have shown their interest in different technologies in the market*	*Students are motivated to write the manuscripts based on the outcomes and results of various projects.*	*Students and research scholar have acquired detailed knowledge of different tools and technologies of IT industries.*
c) Collaborations & MOU for Research Guidance [PhD, PG & UG (summer training, Dissertation)] &Projects/Use of Instruments	*Students of CSE can carry out various dissertation projects in industries*	*Students have gained details of opportunities in IT industries.*	*Potential Thrust area like identification of better platform for developing different types of the projects have come up.*	*Students get acquaint with the understanding of development of various projects.*
d) Collaboration for Funded Projects	*Members are motivated to work out on research based projects.*	*Idea to work on resolving problems day to day basis by carrying out the projects and web applications*	*Work on cross platforms have been identified*	*A comprehensive research have been carried out on various platforms for developing the particular type of projects.*
III. **Outcome related to Society Outreach**				
a) Benefit to society in terms of Health & Hygiene	*BY developing applications which are required to solve day to day problems. Like BP detector, Diabetes detection techniques etc.*	*Participants became aware and understood the importance of various platforms.*	*Participants can share their ideas for various web applications and also can develop the applications.*	*Participants have inculcated the information for carrying out the projects*
b) Benefit to society in terms of Education	*It educates society how Internet and various applications are useful for making the life easier.*	*Students have gained knowledge for various projects and they can carry out these projects for societal development.*	*Acquired knowledge of various platforms available for development of projects.*	*Students became aware of usages of various technologies.*
IV. Outcome related to Students Learning &Grooming				
	Students learned the strategy for becoming aware with the current trends and Technologies.	*Students became aware and understood the various Programming languages available in the market and need of the hour*	*Students learned the conceptual and technical skill set for enhancing their approach for solving the real-world problems in current scenarios.*	*Students were made to develop the understanding of the current market trends and opportunities in software industries.*
V. Any other				

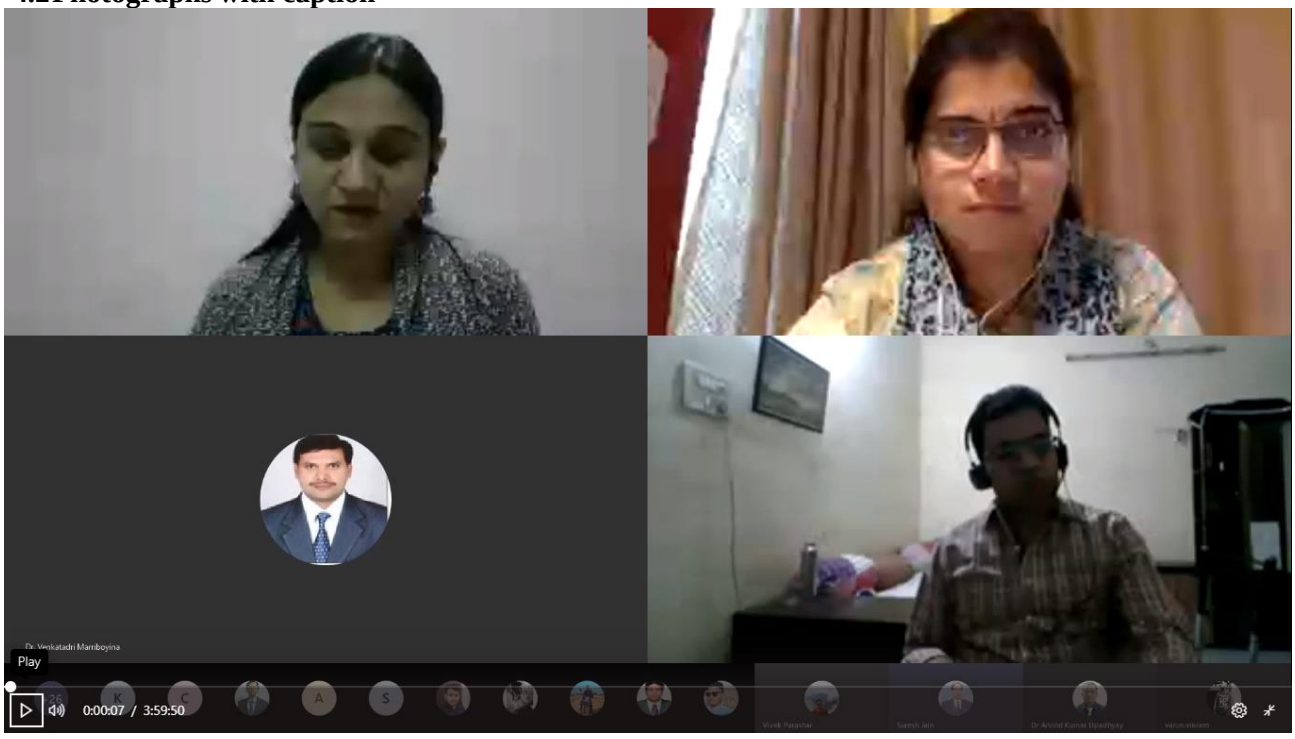
Students become conversant with additional innovative and creative strategies like how to develop a good project and how to find out the opportunities in software industries.

4. Event Report along with glimpses of the event *(Photographs)*

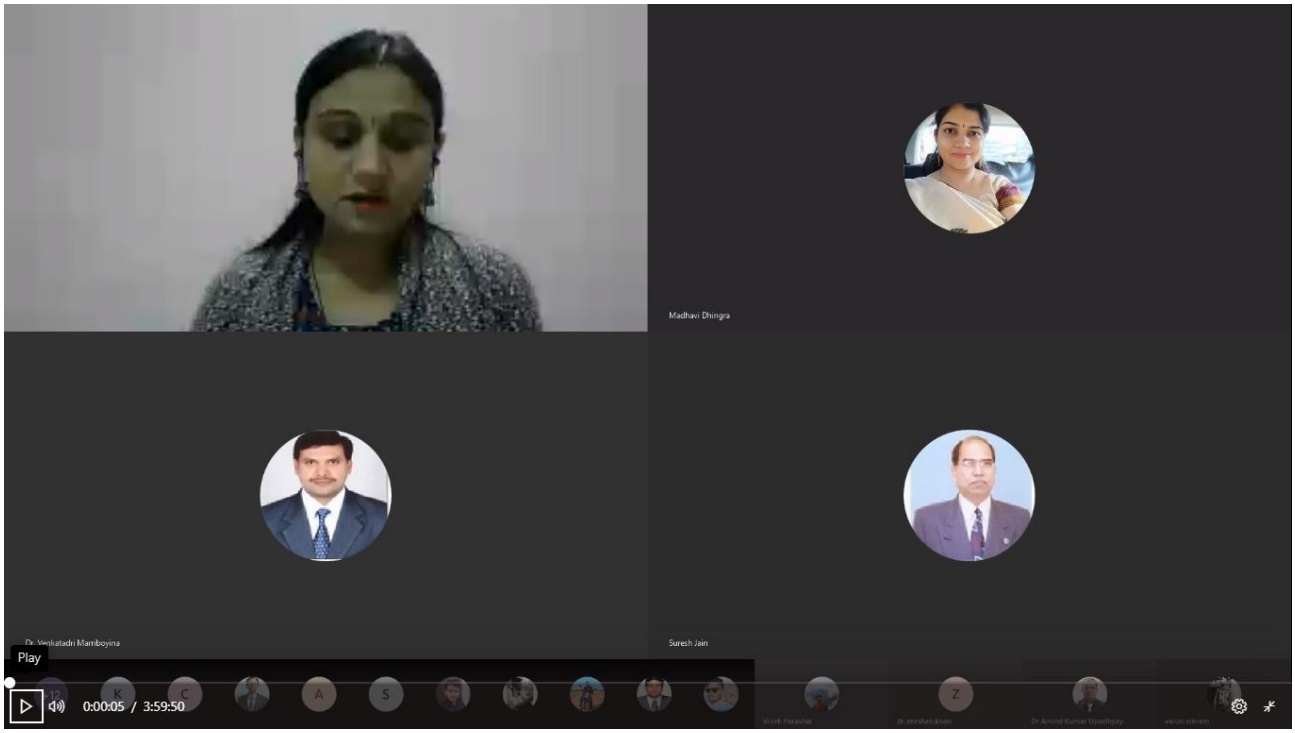
4.1 Brief about the address/talk of speakers

a. The talk has covered the major trends that are being followed in the software industry. The speaker has given information on various technologies like Block Chain, Machine Learning, Data Science, IoT, Big Data and Cyber Security. Mr. Zishan Khan has also spoken about the latest programming languages that are required by the industry professionals. Python, Java and .Net are the core programming languages used in the Software Industries.
b. Mr. Khan has explained the skills of Frontend developer, Backend Developer, Full stack developer, Mobile Developer, and many more opportunities for students in the IT industry.
c. Mr. Khan has interacted with participants and clarified various issues regarding the requirements in software industries. He has also clarified the steps of development of various ongoing projects in different platforms.
d. He had taken up more than 20 queries of the students about different areas of software industries.

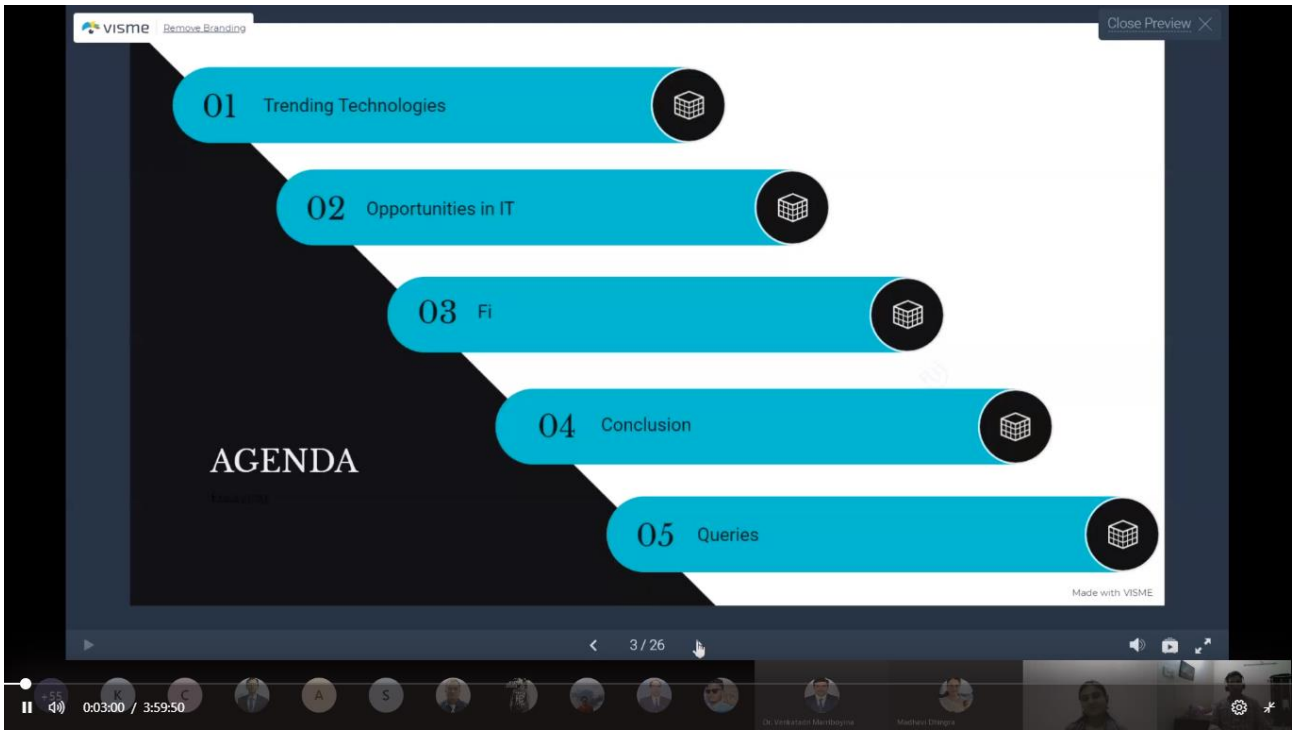
4.2 Photographs with caption



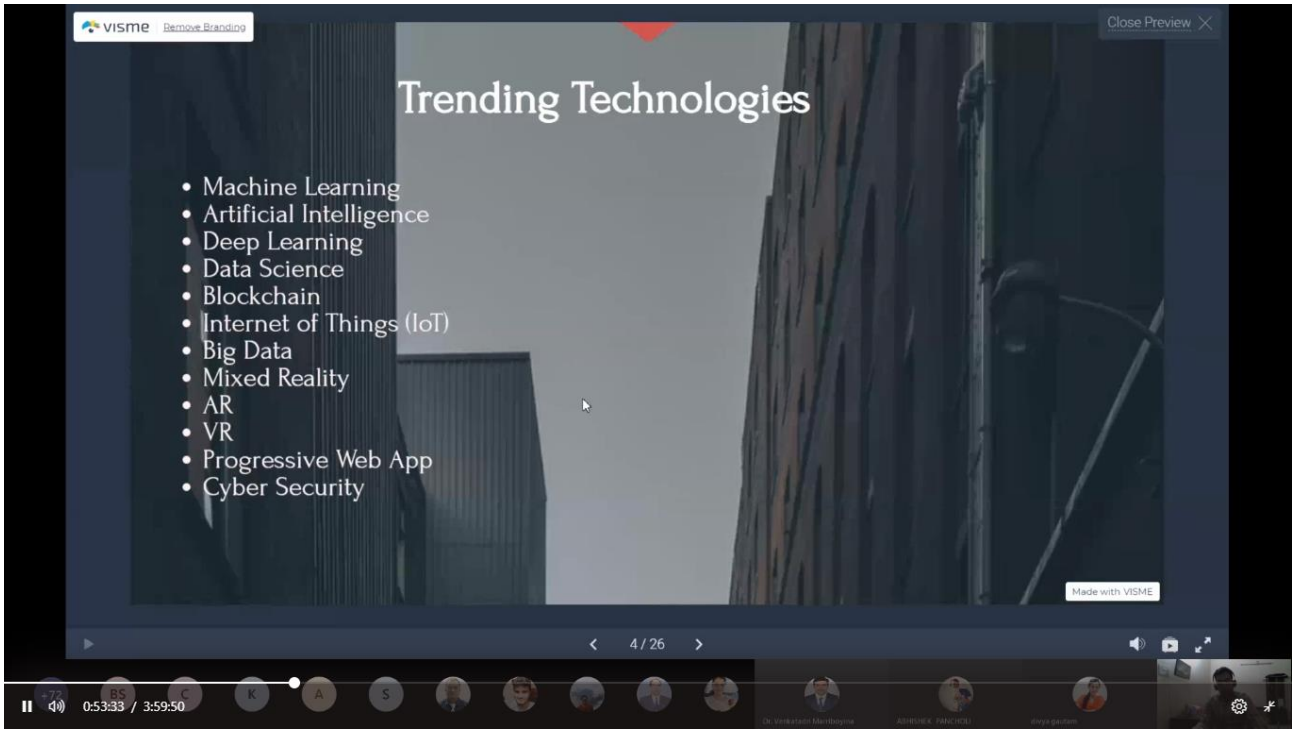
Speaker and Moderator



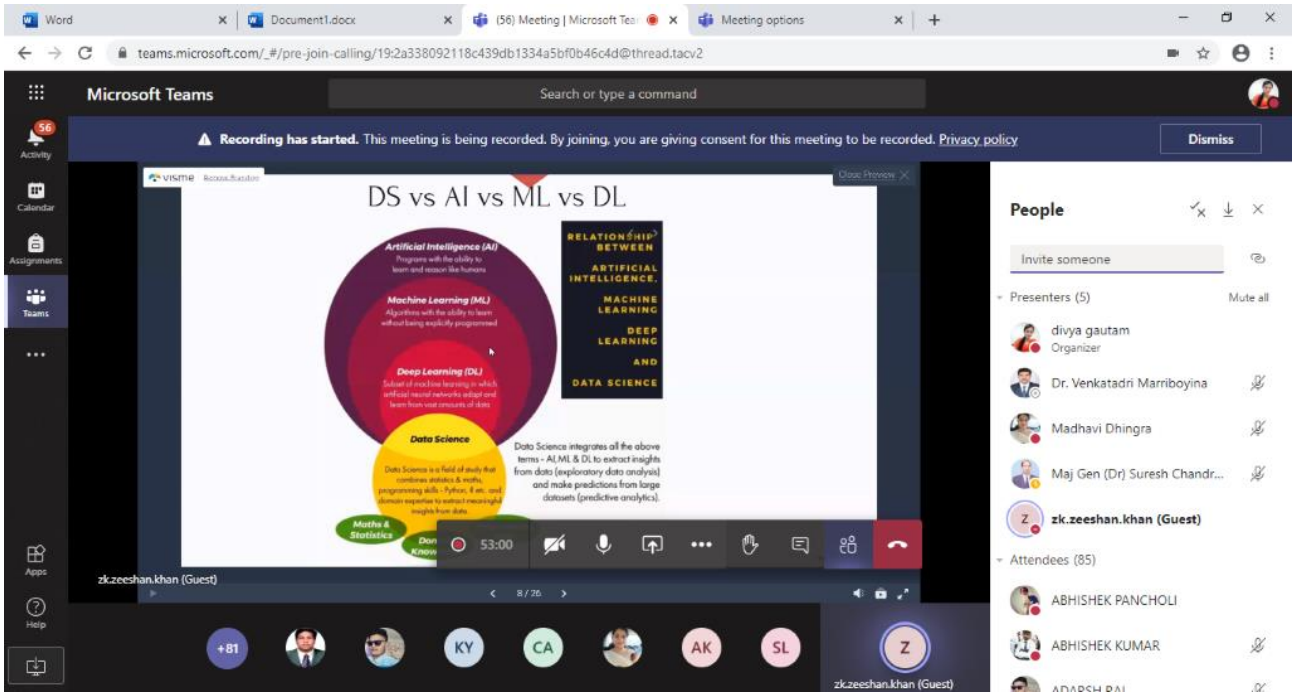
Panelist



Guest Speaker



Guest Speaker



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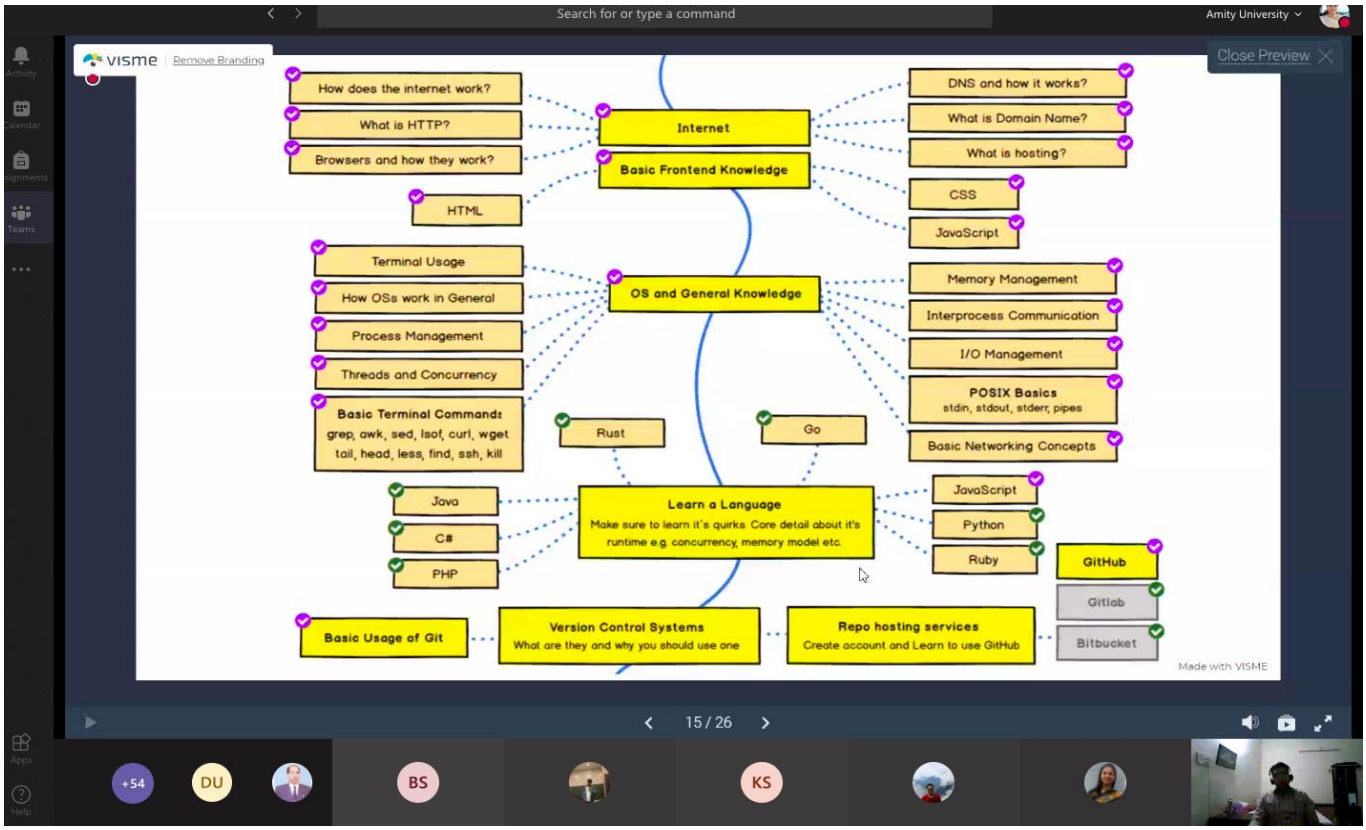

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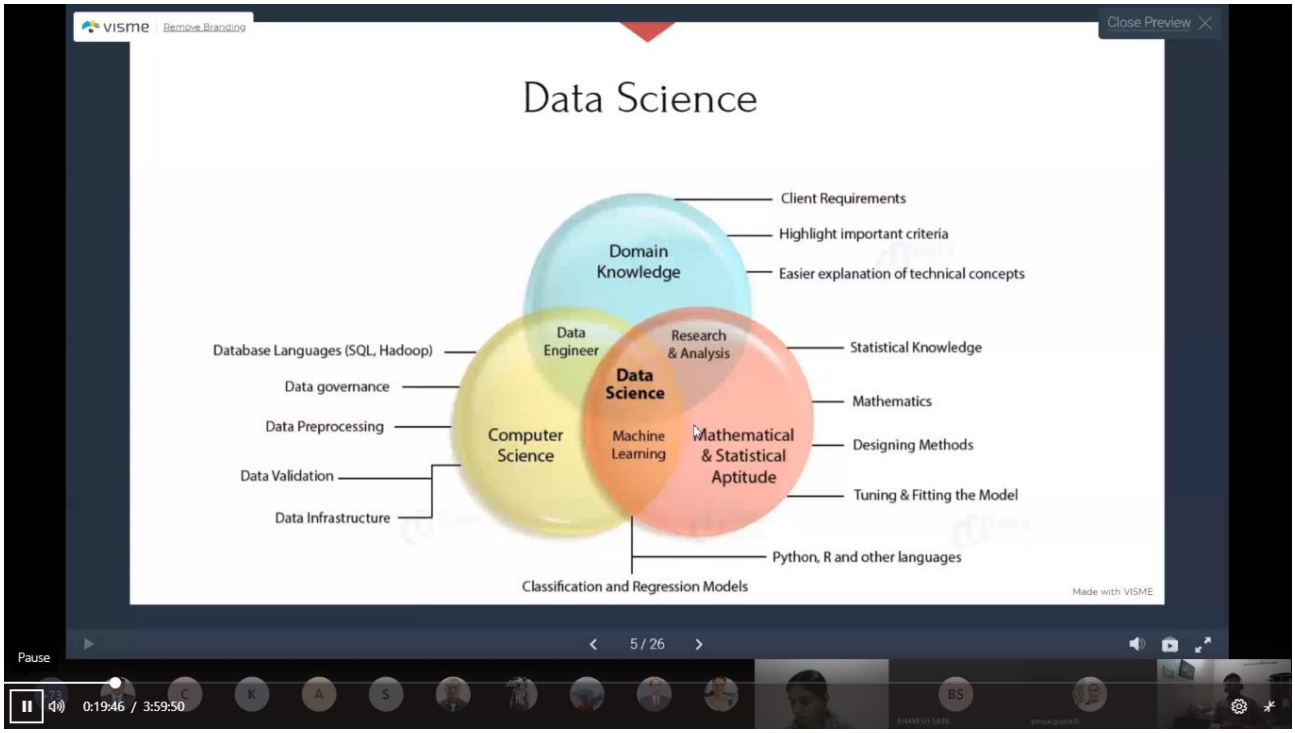

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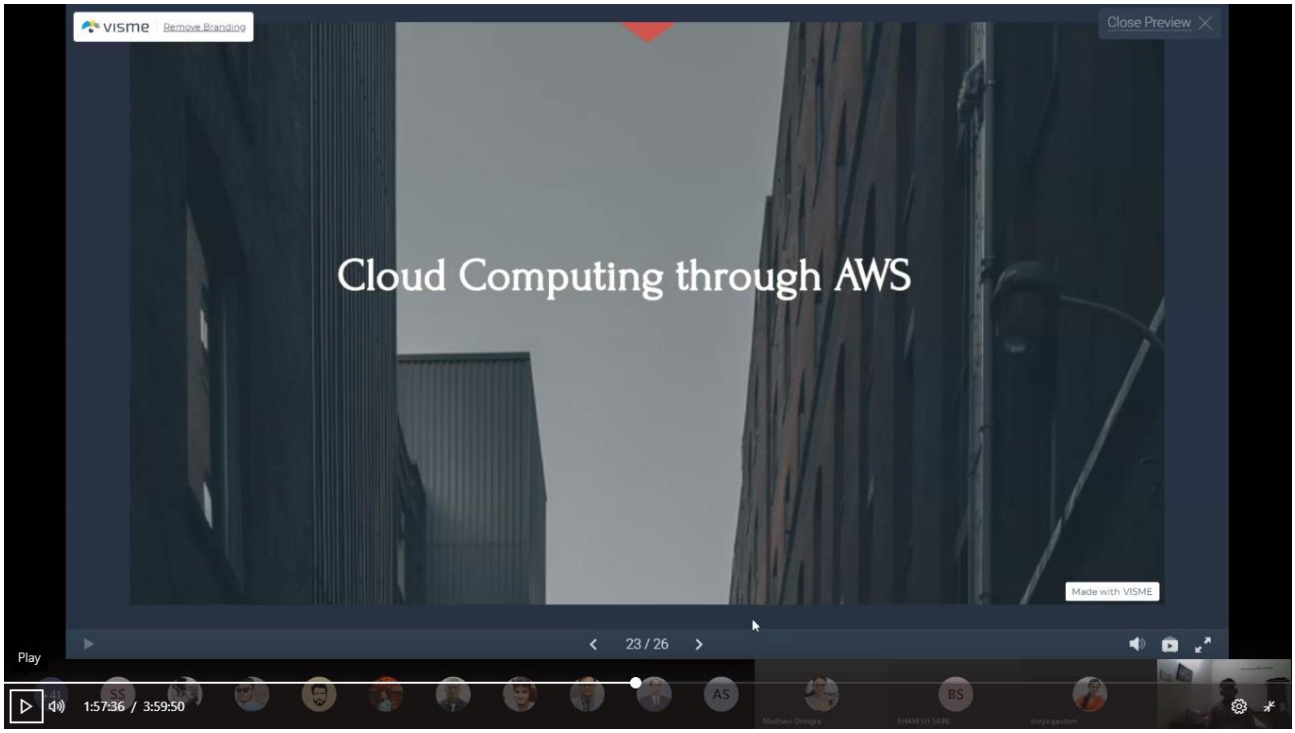

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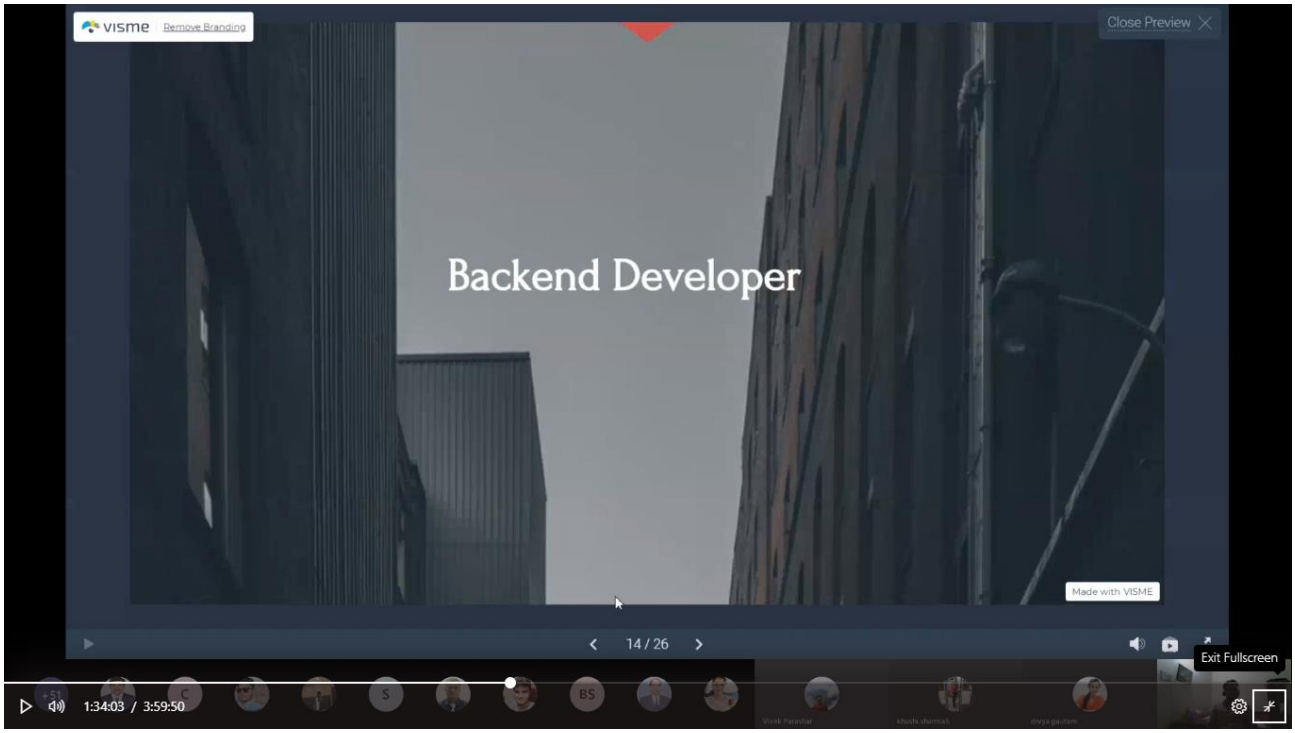

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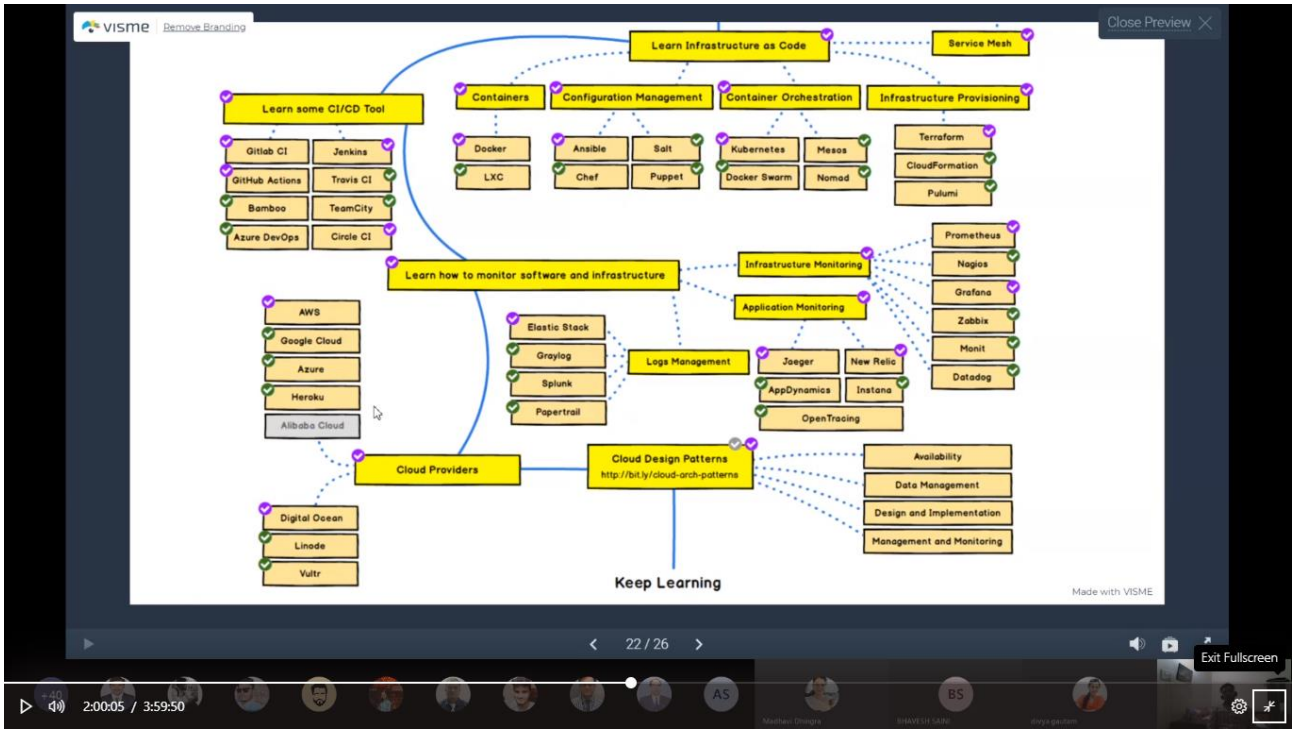

Guest Speaker

Divya Gautam
Faculty Coordinator, ASET, AUMP.

HoI, ASET, AUMP

Director Outcome, AUMP

Pro Vice Chancellor, AUMP

Hon’ble Vice Chancellor, AUMP

Guest Lecture on "Role of Bioinformatics & Computational Biology in COVID-19 (CORONAVIRUS) therapeutics"by Dr. Medha Pandya, M. K. Bhavnagar University, Bhavnagar, Gujarat

To mark the celebration of innovation week, Amity School of Engineering & Technology, Amity University Madhya Pradesh, Gwalior organized a Guest Lecture on "Role of Bioinformatics & Computational Biology in COVID-19 (CORONAVIRUS) therapeutics", on 24th September 2020, Thursday, between 3:15 pm to 4:30 pm. by Dr. Medha Pandya, M. K. Bhavnagar University, Bhavnagar, Gujarat.

Dr. Medha Pandya, M. K. Bhavnagar University, Bhavnagar, Gujarat was the key note speaker of the programme. She spoke on the importance of Bioinformatics and Computational Biology in COVID-19 therapeutics. The youth were highly enlightened by her speech during the session.

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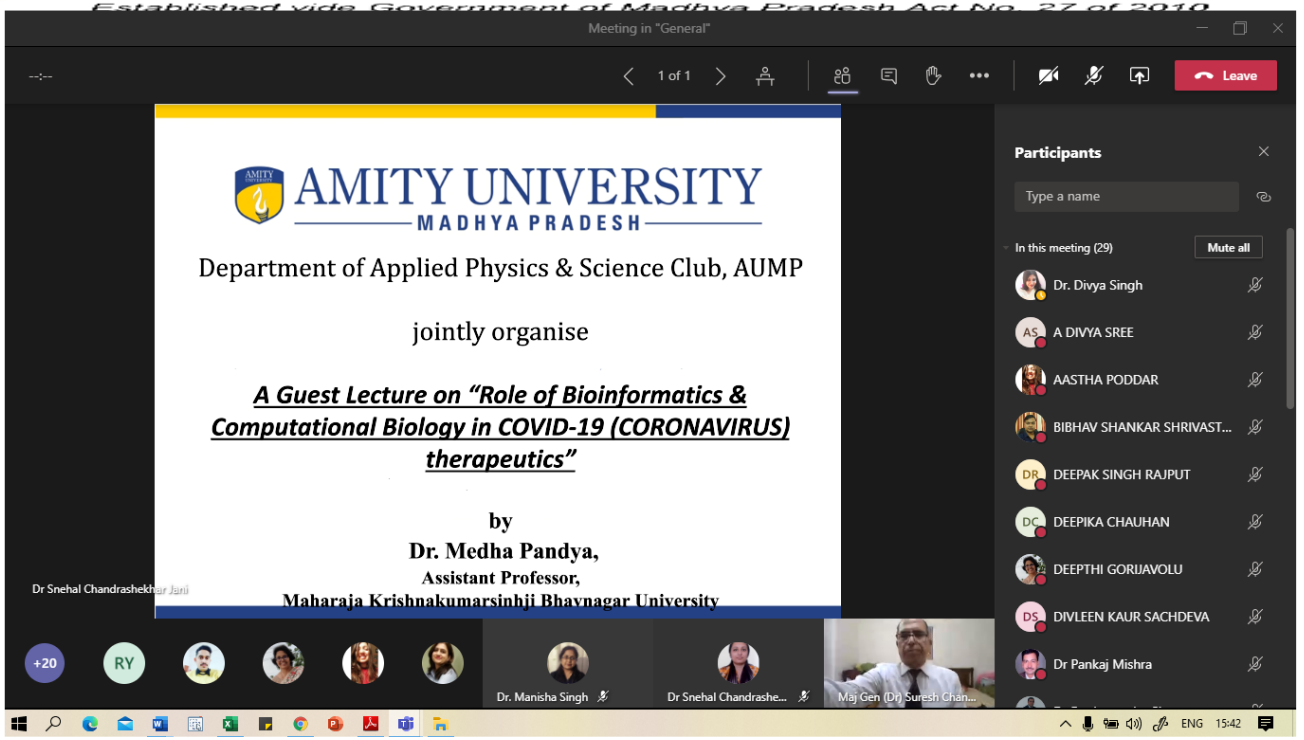

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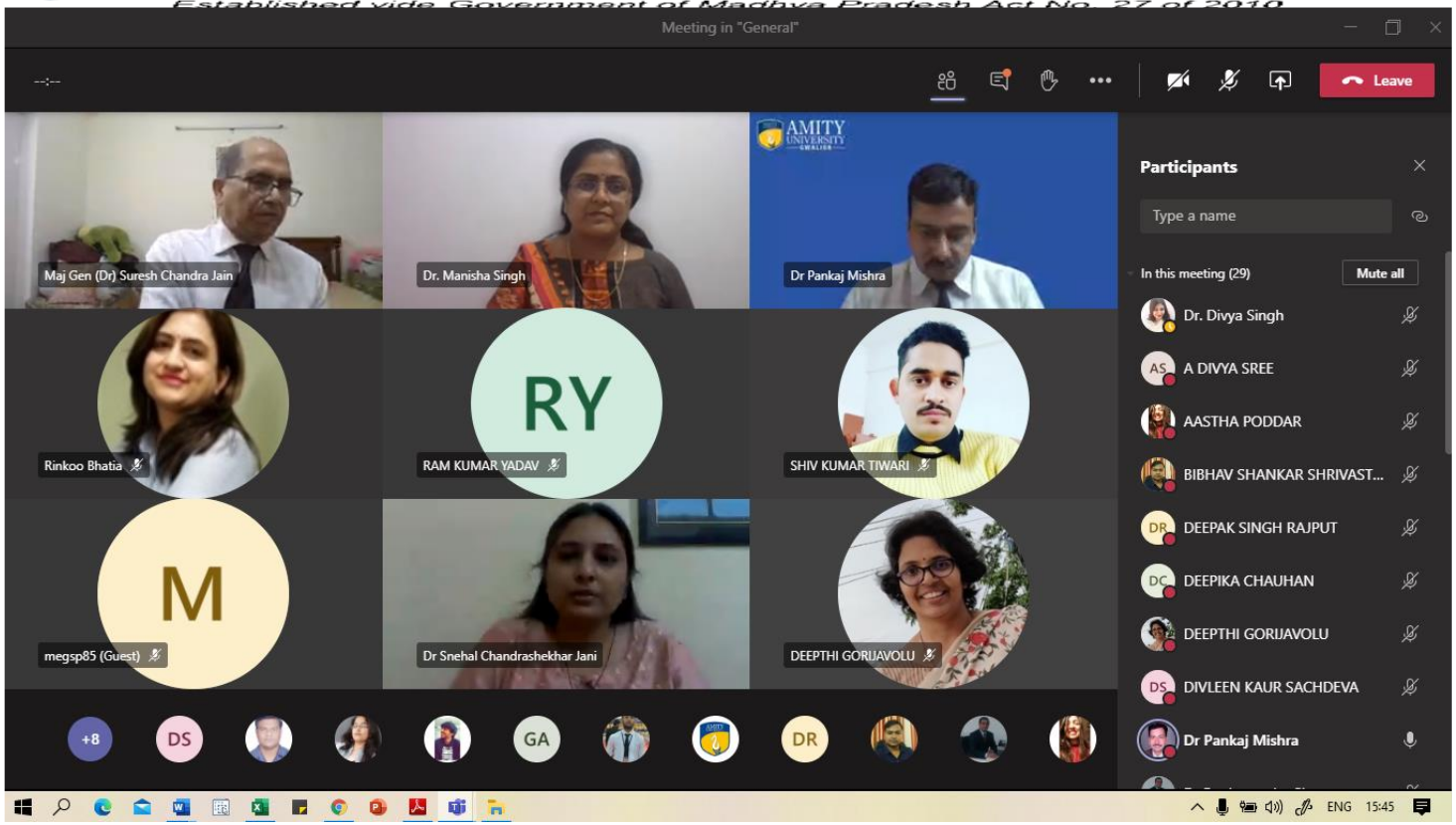

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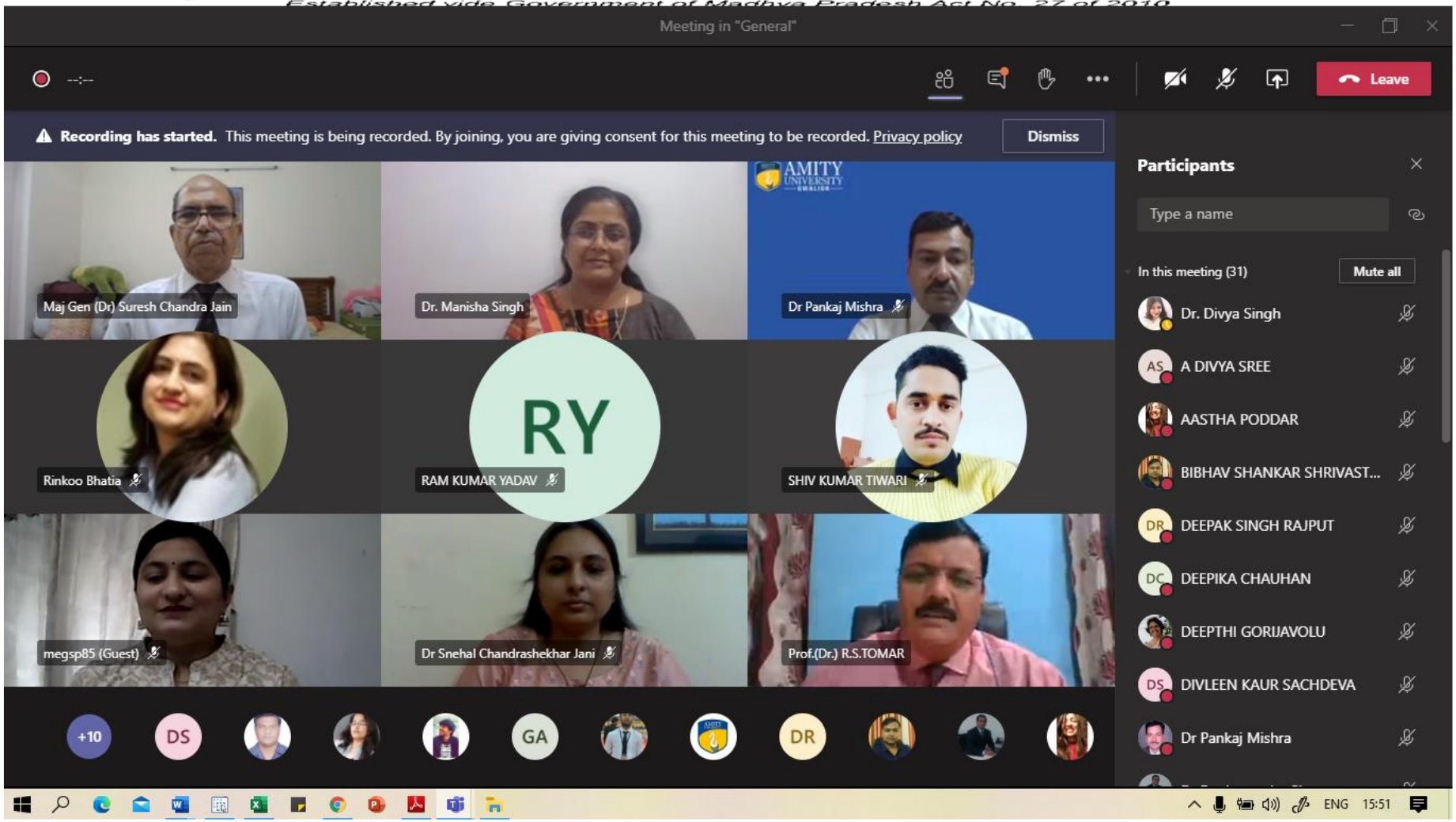

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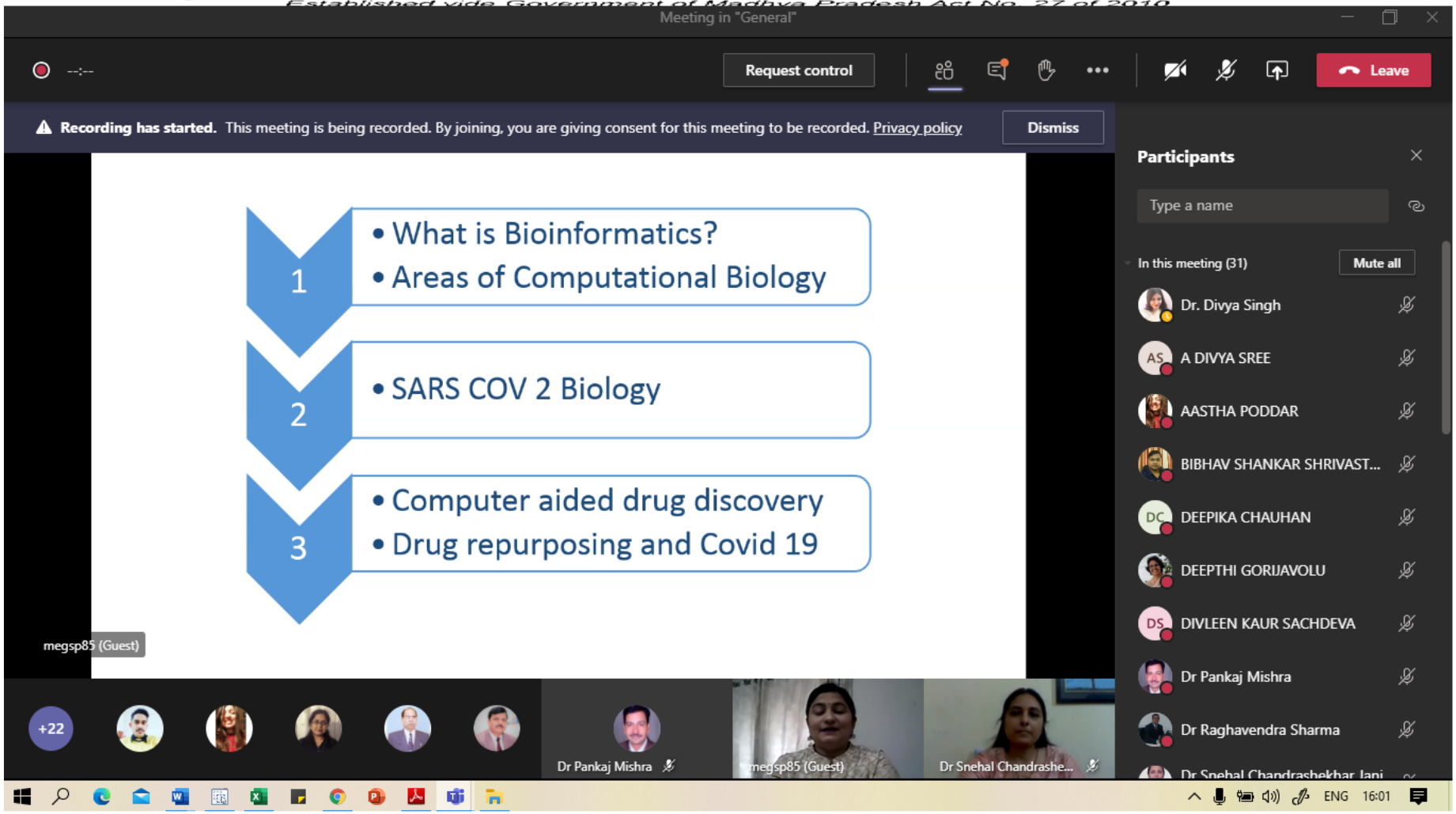

24 September 2020 (Thursday)

Guest Lecture on "Role of Bioinformatics & Computational Biology in COVID-19 (CORONAVIRUS) therapeutics" Organzied jointly by Department of Applied Physiscs and Science Club Amity School of Engineering & Technology, Amity University Madhya Pradesh, Gwalior

Department of Applied Physiscs and Science Club jointly Amity School of Engineering & Technology, Amity University Madhya Pradesh, Gwalior organized a Guest Lecture on "Role of Bioinformatics & Computational Biology in COVID-19 (CORONAVIRUS) therapeutics", on 24th September 2020.

Preface

To mark the celebration of innovation week, Amity School of Engineering & Technology, Amity University Madhya Pradesh, Gwalior organized a Guest Lecture on "Role of Bioinformatics & Computational Biology in COVID-19 (CORONAVIRUS) therapeutics", on 24th September 2020, Thursday, between 3:15 pm to 4:30 pm. by Dr. Medha Pandya, M. K. Bhavnagar University, Bhavnagar, Gujarat.

The session started by welcome speech of Dr.Pankaj Kumar Mishra. He welcomed and introduced chief Guest, Dr.R.S. Tomar Dean Academics, AU MP than Dr. Snehal Jani started the technical session and she welcomed Dr. Medha Pandya, M. K. Bhavnagar University, Bhavnagar, Gujarat, Dr. R.S. Tomar, Dean academics, AIB and Maj Gen (Dr) SC Jain, VSM** (Retd) Director, Amity School of Engineering & Technology, Amity University Madhya Pradesh. Dr. Medha Pandya, M. K. Bhavnagar University, Bhavnagar, Gujarat was the key note speaker of the programme. She spoke on the importance of Bioinformatics and Computational Biology in COVID-19 therapeutics. The youth were highly enlightened by her speech during the session.

Maj Gen (Dr) SC Jain, VSM** (Retd) Director, Amity School of Engineering & Technology, Amity University Madhya Pradesh, Dr. Manisha Singh, HoD Applied Physics, Dr. Snehal Jani,Dr.Pankaj Kumar Mishra and all faculties and students were present in the Guest Lecture. At the end, Vote of Thanks was given by Dr. Manisha Singh to the eminent speaker and all the participants. Many numbers of students attended the Guest Lecture.

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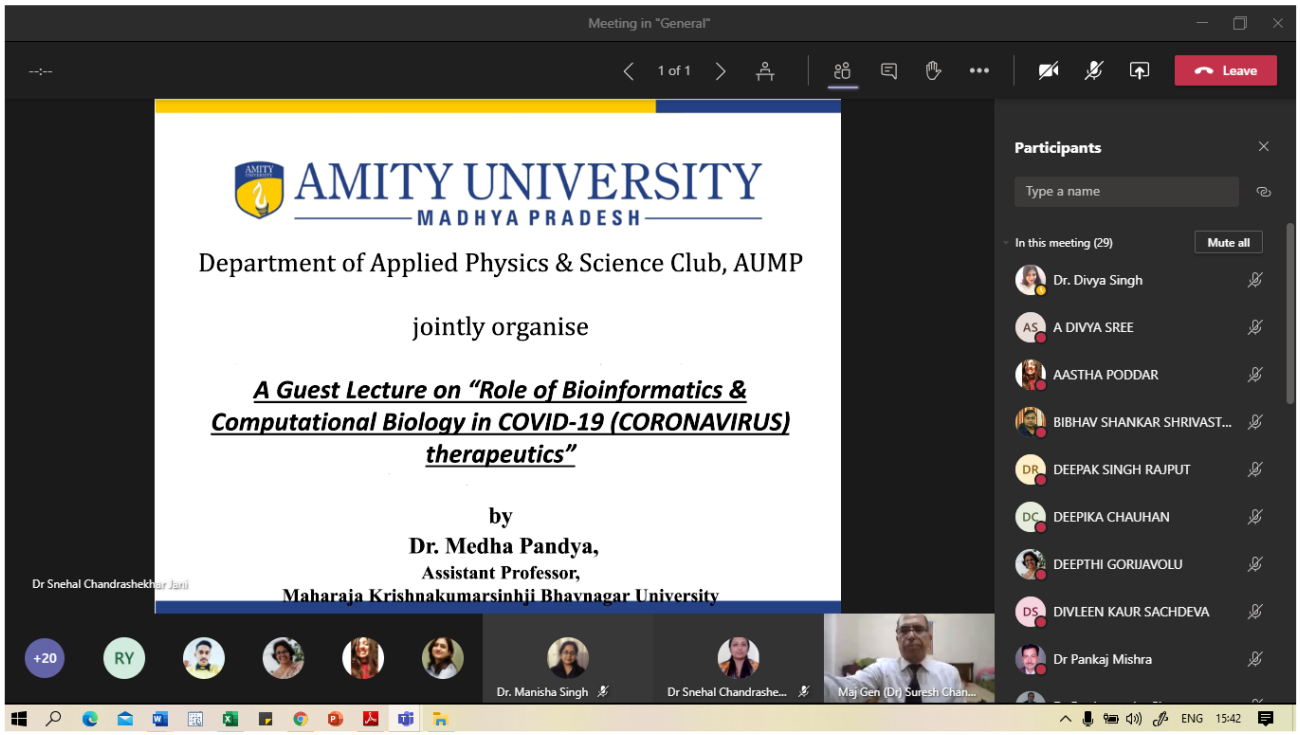

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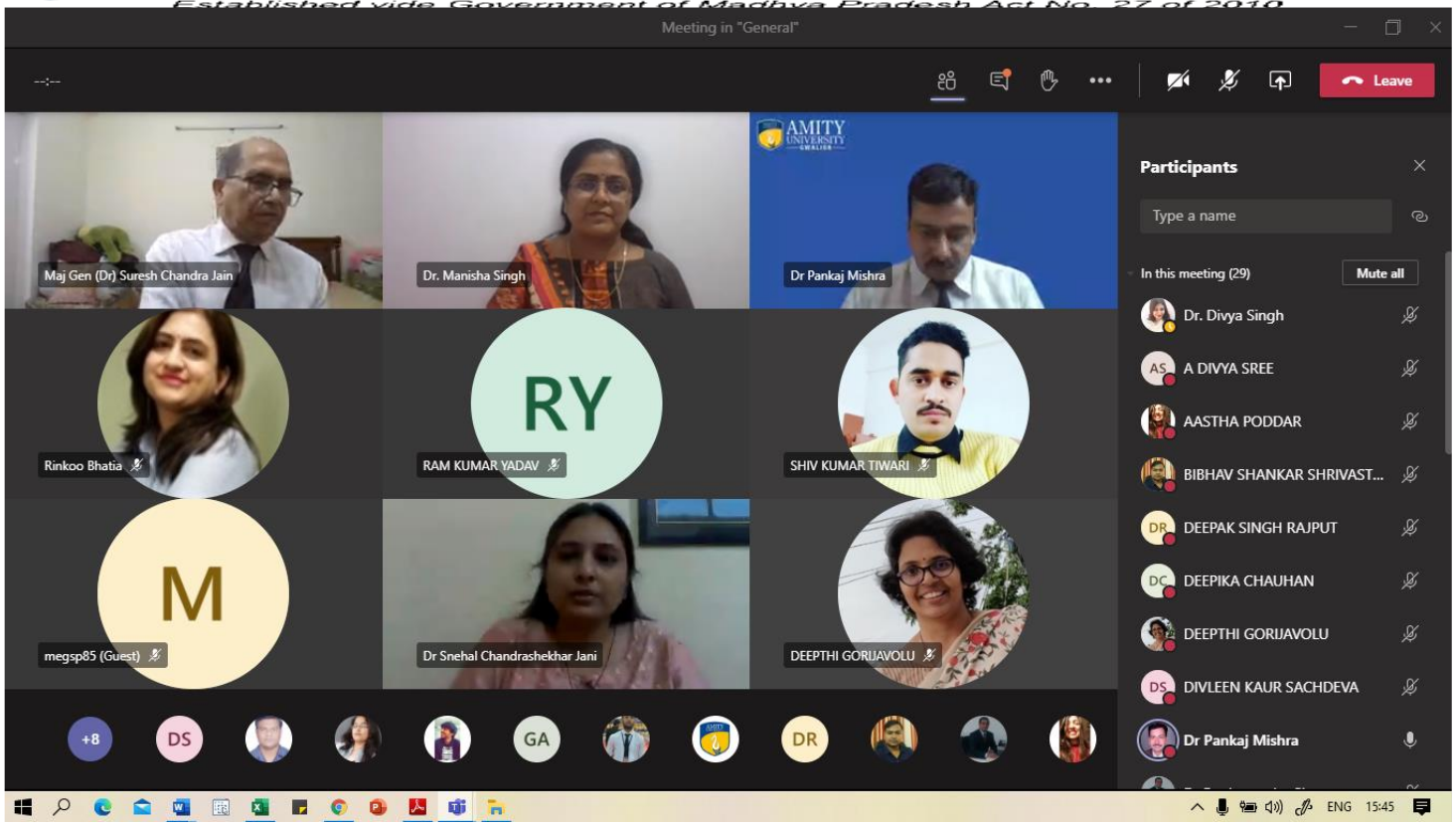

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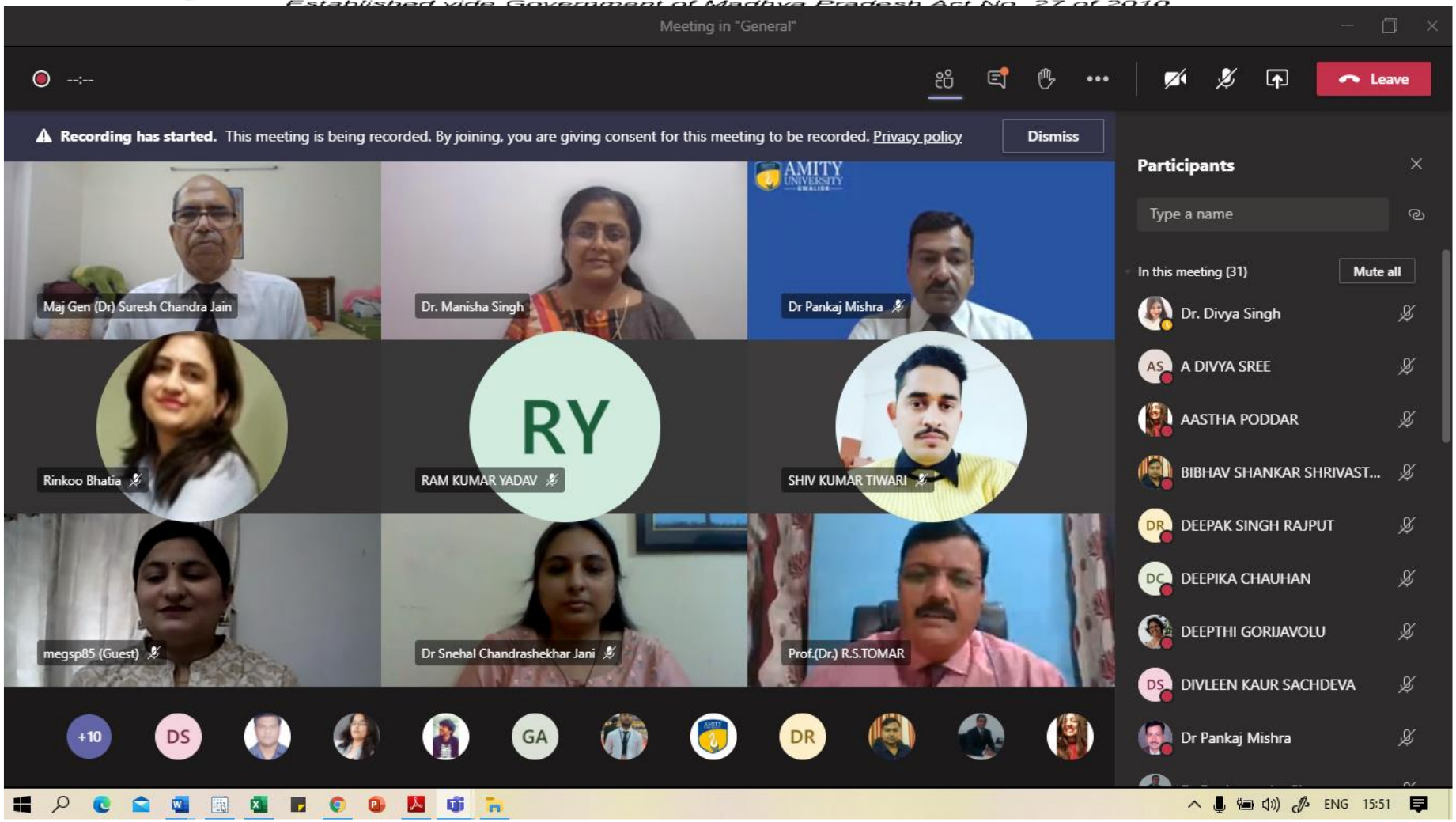

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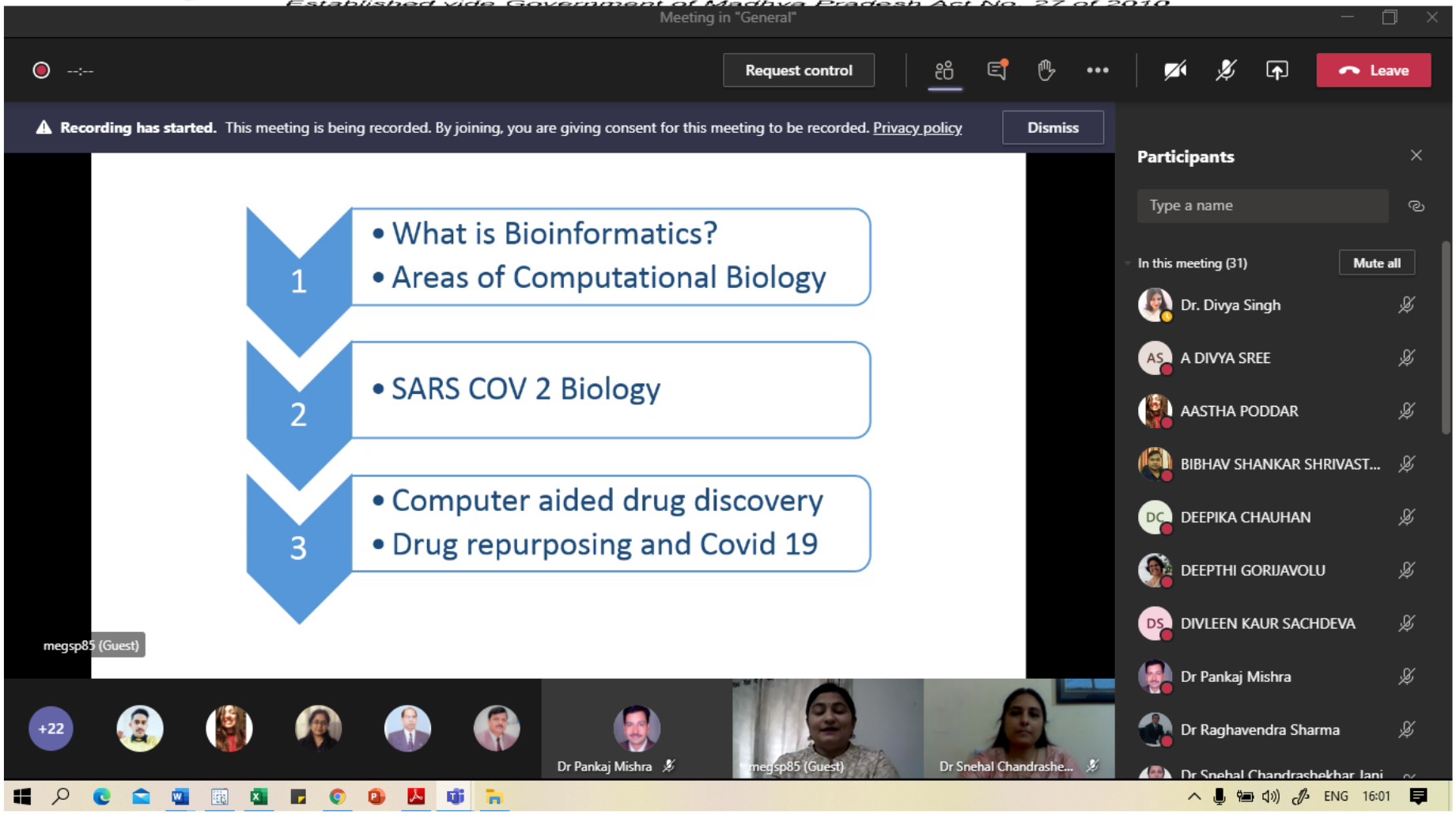
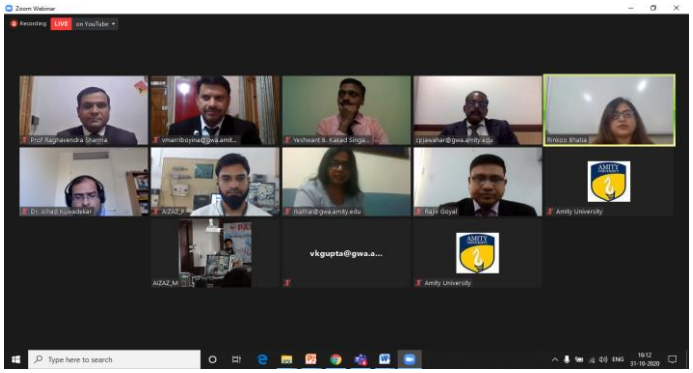


31 October 2020 (Saturday)

International Webinar Titled "Career Opportunities in Internet of Things (IoT)"

Amity School of Engineering and Technology, AUMP organized an International Webinar titled **"Career Opportunities in Internet of Things (IoT)"** on 31st October 2020.The talk was delivered by three speakers, **Dr. Alhad Kuwadekar**, working as a Chief Technology Officer (CTO) in i4Things BV, **Netherland, Mr. Yeshwant Kakad,** Technical Lead ,Deutsche Bank, **Singapore** and Mr. **Aizaz Tirmizi**, HR Manager, Sofcon India Pvt Ltd, **Bhopal** (M.P.). The lecture emphasized on the Potential thrust areas like Internet of Things (IoT) and industry 4.0" technology that include cyber-physical systems (CPS), industrial internet of things (IIOT),cloud computing, cognitive computing, artificial intelligence, Mobile Computing, Mobile Communication, Next Generation Networks, Wavelet Transform, IMS and LTE for public safety systems. Total 796 registrations were received for the event and 536 participants attended the event. Opening Remarks of the session given by the Maj Gen (Dr) SC Jain, VSM** (Retd) Director ASET. **Dr. Alhad Kuwadekar** initiated his session by giving introduction of Internet of Things (IoT), Smart Home Technology and how modern industries are highly dependent on Internet of Things (IoT) for all operations. Further he progressed his talk by discussing the different applications and advantages of Internet of Things (IoT) like Energy efficiency, Saving money and more security. **Mr. Yashwant Kakad** initiated his session by giving his talk on Internet of Things (IoT) for fresh aspiring graduates for their better job opportunities in modern industries. **Mr. Aizaz Timrizi** discussed about "Industry 4.0" technology. Industry 4.0 is the subset of the fourth industrial revolution that concerns industry. The talk was followed by question answer session which was taken up by Ms. Rinkoo Bhatia, Assistant Professor, Department of Electronics & Communication Engineering, moderator of the event. The event was supported by Maj Gen (Dr) SC Jain, VSM** (Retd) Director ASET, Dr. Raghavendra Sharma, Professor & Head, Department of Electronics & Communication Engineering and Dr Venkatadri Marriboyina, Professor & Head Department of Computer Science & Engineering. Webinar was appreciated by all the participants.



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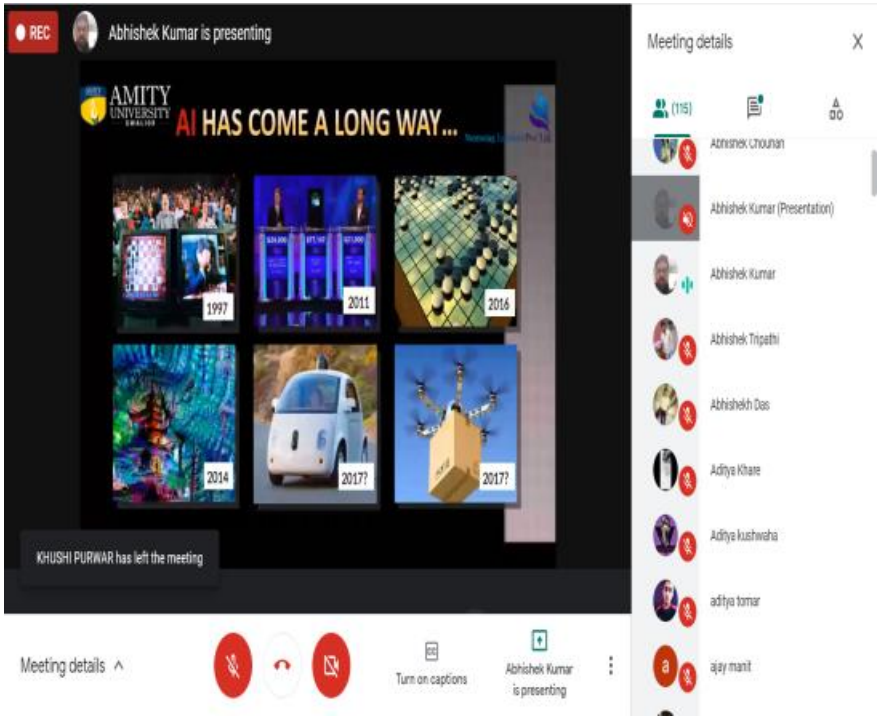
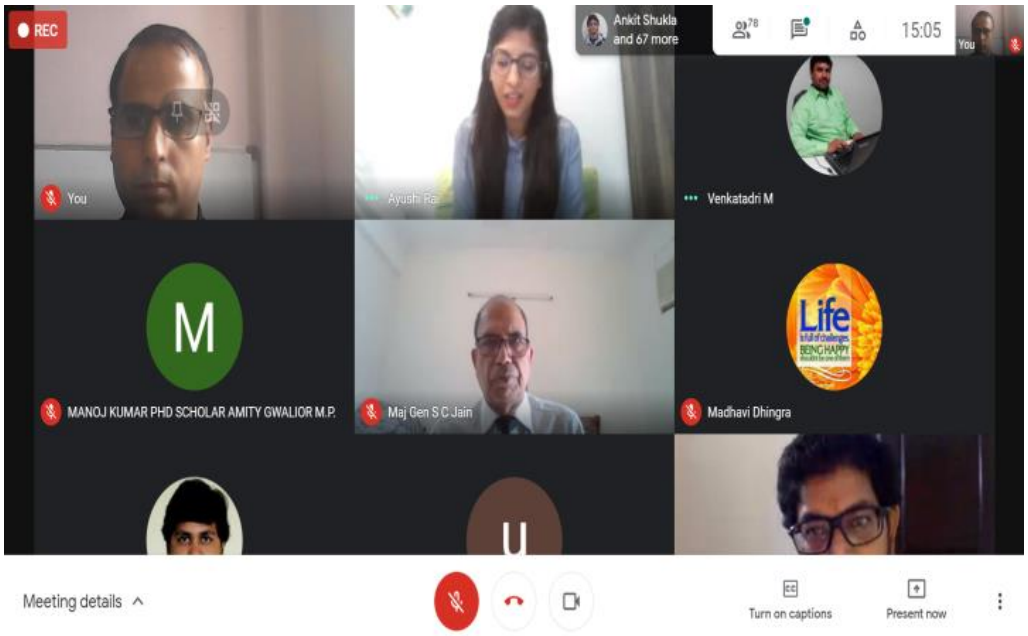
17th October 2020 (Saturday)

Webinar on "Career Opportunities in Artificial Intelligence and Data Science"

Department of Computer Science and Engineering of Amity School of Engineering & Technology, Amity University Madhya Pradesh organized a Webinar in collaboration with NEXTWING INFOTECH PVT LTD on **"Career Opportunities in Artificial Intelligence and Data Science"** on **17th October 2020 from 3:00 pm to 4:30 pm**, under the guidance of eminent faculty member **Dr. Venkatadri Marriboyina (HOD,CSE Dept.).** The faculty coordinators for the event are **Dr. Deepak Motwani** and **Mrs. Madhavi Dhingra** of Amity School of Engineering and Technology. The opening remarks were given by **Maj Gen (Dr) SC Jain, VSM** (Retd)**, Director - ASET, regarding the importance of the AI and Data Science. The webinar anchoring was done by student coordinator - **Ms. Ayushi Rai.** Total number of registered participants were 343 for the Webinar. The speaker of the Webinar was Mr. Abhishek Kumar who explained the utility of Artificial Intelligence and its implementation in Data Science. The event went well under the coordination of CSE department. The session was relevant for students, faculty members and academicians. Vote of thanks was given by **Dr. Venkatadri Marriboyina (HOD,CSE Dept.).**



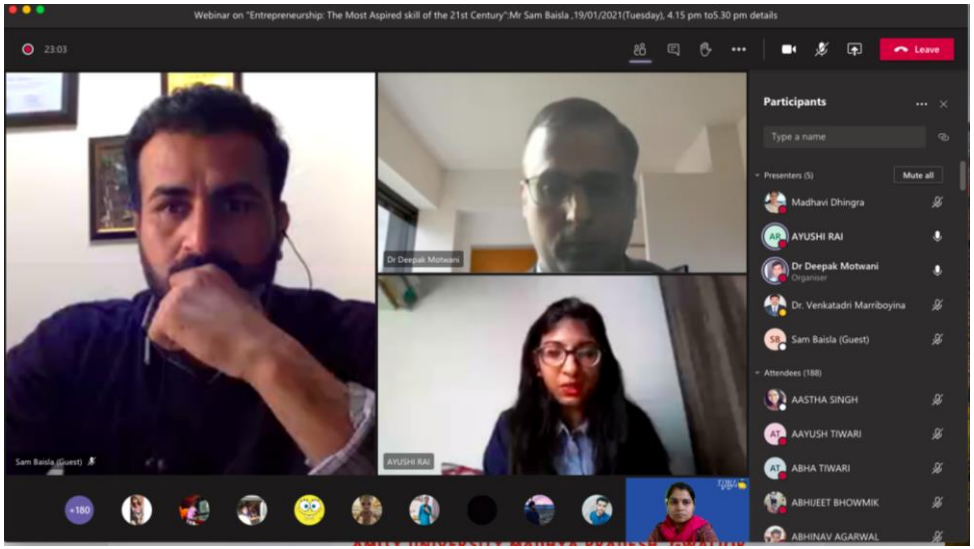


19th January 2021 (Tuesday)

In-house Webinar on "Entrepreneurship : Most Aspired Skill of 21st Century"

Department of Computer Science and Engineering of Amity School of Engineering & Technology, Amity University Madhya Pradesh organized an In-House **Webinar on "Entrepreneurship : Most Aspired Skill of 21st Century"on 19th January 2021 from 4:15 pm to 5:30 pm**, under the guidance of eminent faculty members **Dr. Venkatadri Marriboyina** (HOD,CSE Dept.), **Dr. Deepak Motwani and Mrs. Madhavi Dhingra** to empower students with entrepreneurial skills in the 21st century. The faculty coordinators for the event were Dr. Deepak Motwani and Mrs. Madhavi Dhingra of Amity School of Engineering and Technology. The Guest speaker for the Webinar was **Mr. Sam Baisla, Founder of Nexel, Brand Samosa and Decodr**. The event was conducted on MS-Teams. The anchoring of the event was done by B.Tech CSE fourth semester student - Ayushi Rai. Total number of participants were 251 for the event. Department of CSE believes in encouraging students for

implementing innovative ideas. The student 's all-round growth is always prime goal at ASET. The event went well under the coordination of CSE department. Concluding remarks was given by **Dr. Deepak Mot-**



wani(CSE Dept.).

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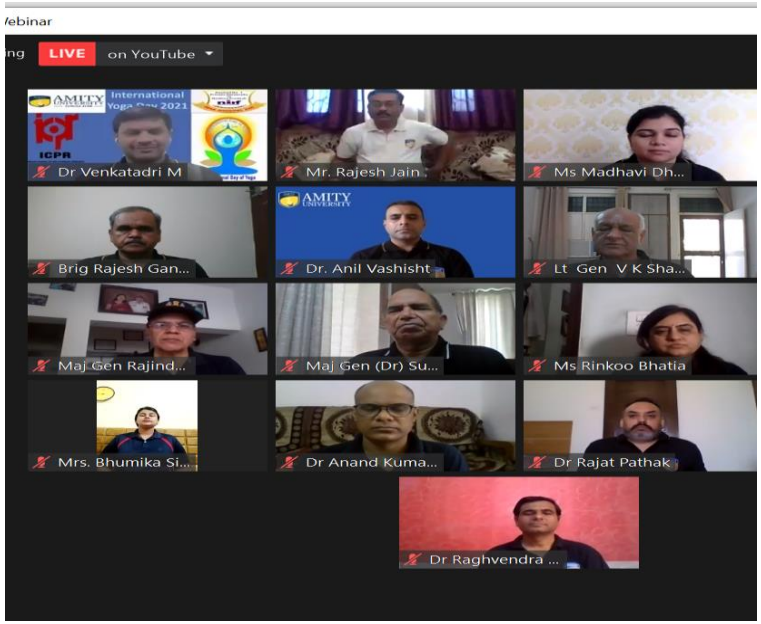
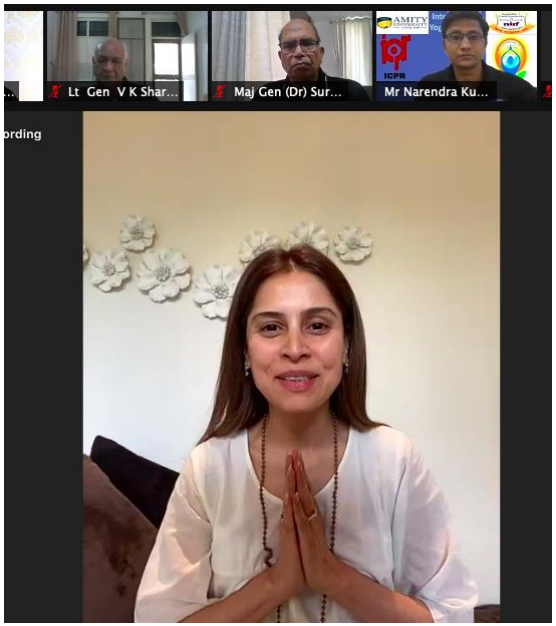
Prepared by: Dr. Ashok Kumar Shrivastava **Checked by:** Mrs. Madhavi Dhingra

21 June 2021 (Monday)

7th International Day of Yoga- 2021 Sponsored by Indian Council of Philosophical Research (Online)

Amity University Madhya Pradesh, Gwalior celebrated 7th International Day of Yoga on 21st June 2021 (7 AM - 9 AM) in online mode.The yoga practice session was conducted by **Mr. Malkhan Singh**. The opening remarks were given by **Hon'ble Vice Chancellor AUMP, Lt Gen VK Sharma, AVSM (Retd.)**,**.** The guest lecture was delivered by **Mrs. Rakhi Oswal, Life Coach & Director - WeSafe India**. International Day of Yoga is a recognised event all around the world. Yoga is extremely beneficial, it improves blood flow, agility and allows one to achieve a few moments of mental clarity. Total 530 participants registered for the event and 357 participants actively attended the session. **Dr. Venkatadri Marriboyina, Professor & Head**, Department of Computer Science & Engineering was the Coordinator of the event supported by **Maj Gen (Dr) SC Jain, VSM** (Retd), Director ASET**.





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Prepared by: Dr Manvandra Kumar Singh **Checked by:** Prof. (Dr.) C. P. Jawahar

15th September 2021 (Wednesday)

Event titled: "International Webinar on Development of Advanced Materials and their Characterizations"

Department of Mechanical Engineering, Amity School of Engineering and Technology, AUMP organized an international webinar titled **"Development of Advanced Materials and their Characterizations"** on 15th September 2021 from 01:00 PM to 05:30 PM. The session started with the opening remarks of Hon'ble VC Sir. Then after the talk was delivered by **Dr (Mrs.) Chandana Rath,** Coordinator and Associate Professor School of Materials Science and Technology, **IIT(BHU) Varanasi, Dr. Pankaj Mohanty** Lecturer, Department of Physics-Faculty of Science **University of Johannesburg**, **Dr. Nishant K Singh,** Assistant Professor, Department of Bio-Medical Engineering, **NIT Raipur, Dr. Gaurav Kapil** Postdoctoral Researcher, Research Centre for Advanced Science and Technology **University of Tokyo, Japan** in the area of advanced materials.

The complete session was focused on the blend of both design and development of advanced materials the area of science and engineering to familiarize the audience with the latest trends and advances going on in the world in the field of advanced materials.

A total of 293 participants have registered for the webinar out of which 241 have actively participated in the event. The event was conducted under the supervision of Prof. (Dr.) C. P. Jawahar, (HoD ME) and was moderated by Dr. Manvandra Kumar Singh, Department of Mechanical Engineering and Mrs. Rinkoo Bhatia, Department of Electronics and Comm. Engg. The event was supported by Panelists Hon'ble V C Sir, AUMP, Pro VC sir, AUMP, Maj Gen (Dr) SC Jain, VSM** (Retd) Director ASET and faculty members. The event was also supported by faculties and staff of Mechanical Engineering Dept.

16 September 2021 (Thursday)

National Workshop on Design and Development of IoT Based Applications

Amity School of Engineering and Technology, AUMP organized an online National Workshop titled **"Design and Development of IoT Based Applications"** on 16th September 2021. The talk was delivered by eminent speaker **Mr. Pranav Tyagi**, working as Vice President, SENSEnuts IoT Suite & Smart City Solutions and Director & Co-Founder of Eigen Technologies Pvt Ltd, New Delhi. The online live demonstration of IoT was delivered by **Mr. Ram Niwas**, working as a Firmware Engineer in Eigen Technologies Pvt. Ltd., Delhi. The workshop emphasized on the Potential thrust areas like Internet of Things (IoT), industrial internet of things (IIOT), cloud computing, cognitive computing and artificial intelligence with live online demonstration of Internet of Things (IoT). The workshop was organized on online Zoom platform with an objective to meet the learning objectives of Internet of Things (IoT) and how they are significant for modern industries and update the participants about Internet of Things (IoT) for the development of modern advanced devices. Approximately 312 participants registered for the event and 275 participants attended the event. Opening Remarks of the session given by the Hon'ble Vice Chancellor Lt. Gen. V.K. Sharma. **Mr. Pranav Tyagi** initiated his session by giving introduction with live online demonstration of Internet of Things (IoT). Further he progressed his talk by discussing the different practical applications and advantages of Internet of Things (IoT) like Environment monitoring, Home Automation, Agriculture Monitoring, Industrial Control, Smart Cities, IoT and Embedded Systems, IoT and Security, Big Data and Analytics etc. **Mr. Ram Niwas** demonstrated SENSEnuts Radio Modules and various types of Sensors involved in agricultural project associated with Wireless Sensor Network (WSN). He also suggested different research areas in Wireless Sensor Network and IoT using SENSEnuts. SENSEnuts is useful in real world Scenario where user can test algorithms on real devices instead of testing them on some simulators. User can write algorithms, program the real motes according to the algorithm and check the performance of motes in different conditions. This way, all the assumptions in the simulation environment are automatically overruled as the data transfer between the devices takes place through the actual medium, i.e. air with all available interferences. The workshop was followed by question answer session which was taken up by Ms. Rinkoo Bhatia, Assistant Professor, Department of Electronics & Communication Engineering, moderator of the event. The summary of event and Vote of Thanks was delivered by Dr. Raghavendra Sharma, Professor & Head, Department of Electronics & Communication Engineering and The event was supported by Panelists Pro Vice-chancellor Prof (Dr) M.P. Kaushik and Maj Gen (Dr) SC Jain, VSM** (Retd) Director ASET. Workshop was appreciated by all the participants.

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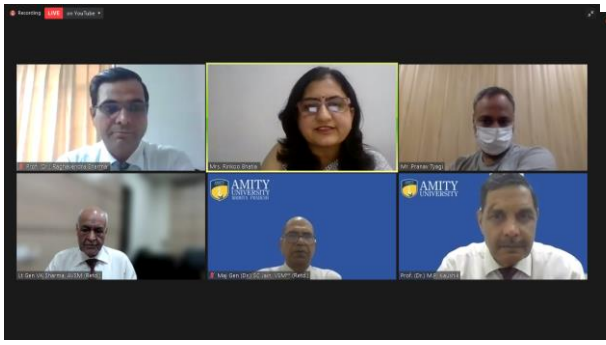

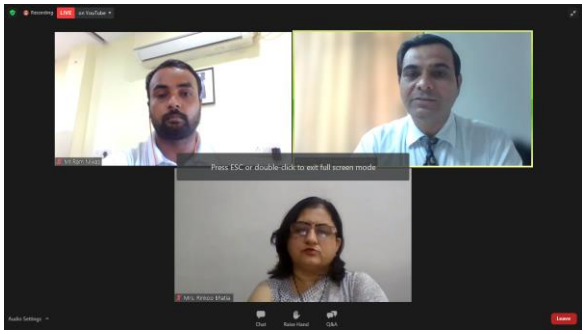

1st October 2021 (Friday)

National Workshop titled "Career in Networking - AMI CISCO Connect" on 1st October 2021

Department of Computer Science and Engineering of Amity School of Engineering and Technology, Amity University Madhya Pradesh Gwalior organized an online National Workshop titled "Career in Networking - AMI CISCO Connect" on 1st October 2021 from 11:00 am to 1:30 pm. The talk was delivered by eminent speakers **from CISCO, Mr. Ishvinder Singh, India Lead – NetAcad & Skills, Social Innovation Group, Mr. Ritesh Kapahi, Sr. Director, Engineering, Mr. Subodh Gajare, Sr. Solution Architect, Cisco Systems.** The webinar emphasized on the various Job opportunities in Networking and job in CISCO through ideathon discussed by experts from CISCO. The webinar emphasized on the Potential thrust areas like campus connect, use of NetAcad for enhancing skills in Networking, internship with placement opportunities in Cisco. The workshop was organized on online WebEx platform with an objective to meet the requirements for job opportunities in Cisco and how students can prepare for that and update the participants about learning via NetAcad for the training in the field of networking.

Registrations and Participation.

Total 2678 Participants Attended and 4098 Participants Registered for the event.

Session 11:00 AM to 1:30 PM

The session was moderated by **Dr. Subhrendu Guha Neogi, Dr. Rajeev Goyal** Department of Computer Science and Engineering and hosted by Dr. Madhavi Dhingra, Assistant Professor, Department of Computer Science & Engineering, She initiated the session by extending formal welcome to all the participants, speakers**,** Hon'ble Vice Chancellor Lt. Gen. V.K. Sharma, Pro Vice-chancellor Prof (Dr) M.P. Kaushik and Maj Gen (Dr) SC Jain, VSM** (Retd) Director ASET by giving introduction of speaker to the participants.

Opening Remarks of the session given by Hon'ble Vice Chancellor Lt. Gen. V.K. Sharma. He explained the latest trends in Networking and about the various practical applications of Networking in modern industry trends with Cisco. Mr. Ritesh Kapahi initiated his session by giving introduction to the job opportunities in the field of Networking and CISCO ideathon process for selected for internship in Cisco. Later Mr. Subodh Gajare discussed on the latest trends of Networking by discussing 5G, SDN and other Networking Skills needed for industry. Next speaker Mr. Ishvinder Singh introduced NetAcad learning platform and alumni of Amity working in CISCO. The workshop was followed by question answer session which was taken up by Dr. Subhrendu Guha Neogi, Associate Professor, Department of Computer Science & Engineering, moderator of the event. The summary of event and Vote of Thanks was delivered by **Prof (Dr). Venkatadri M.,** Professor &

Head, Department of Computer Science and Engineering and the event was supported by Panellists Pro Vice-chancellor Prof (Dr) M.P. Kaushik and Maj Gen (Dr) SC Jain, VSM** (Retd) Director ASET. Workshop was appreciated by all the participants.


Via CiscoWebex
Lt Gen VK Sharma

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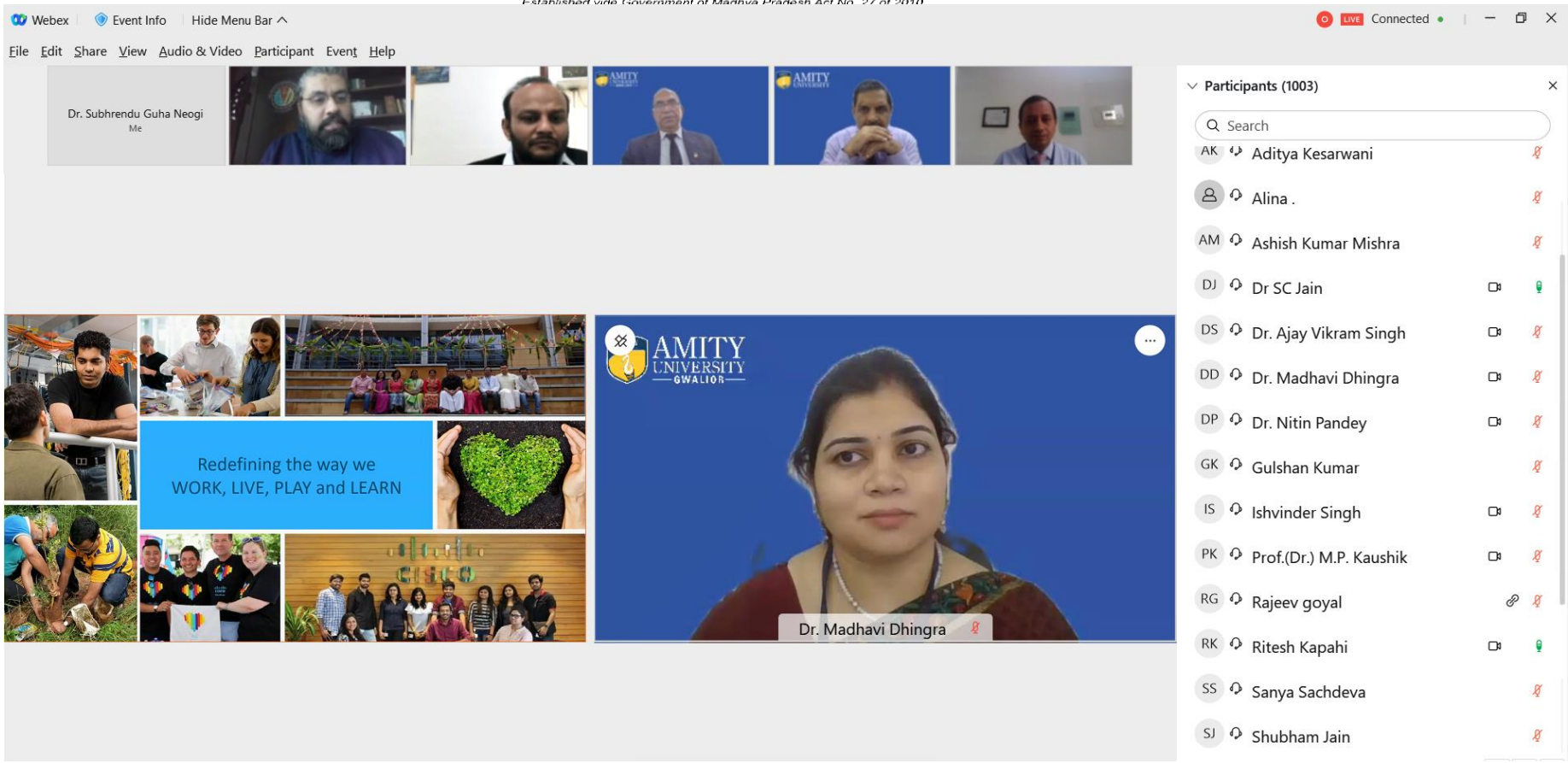


Via CiscoWebex
CX CTO
The future of work
ackathon
5G
Subodh Gajare


Via CiscoWebex
Ritesh Kapahi
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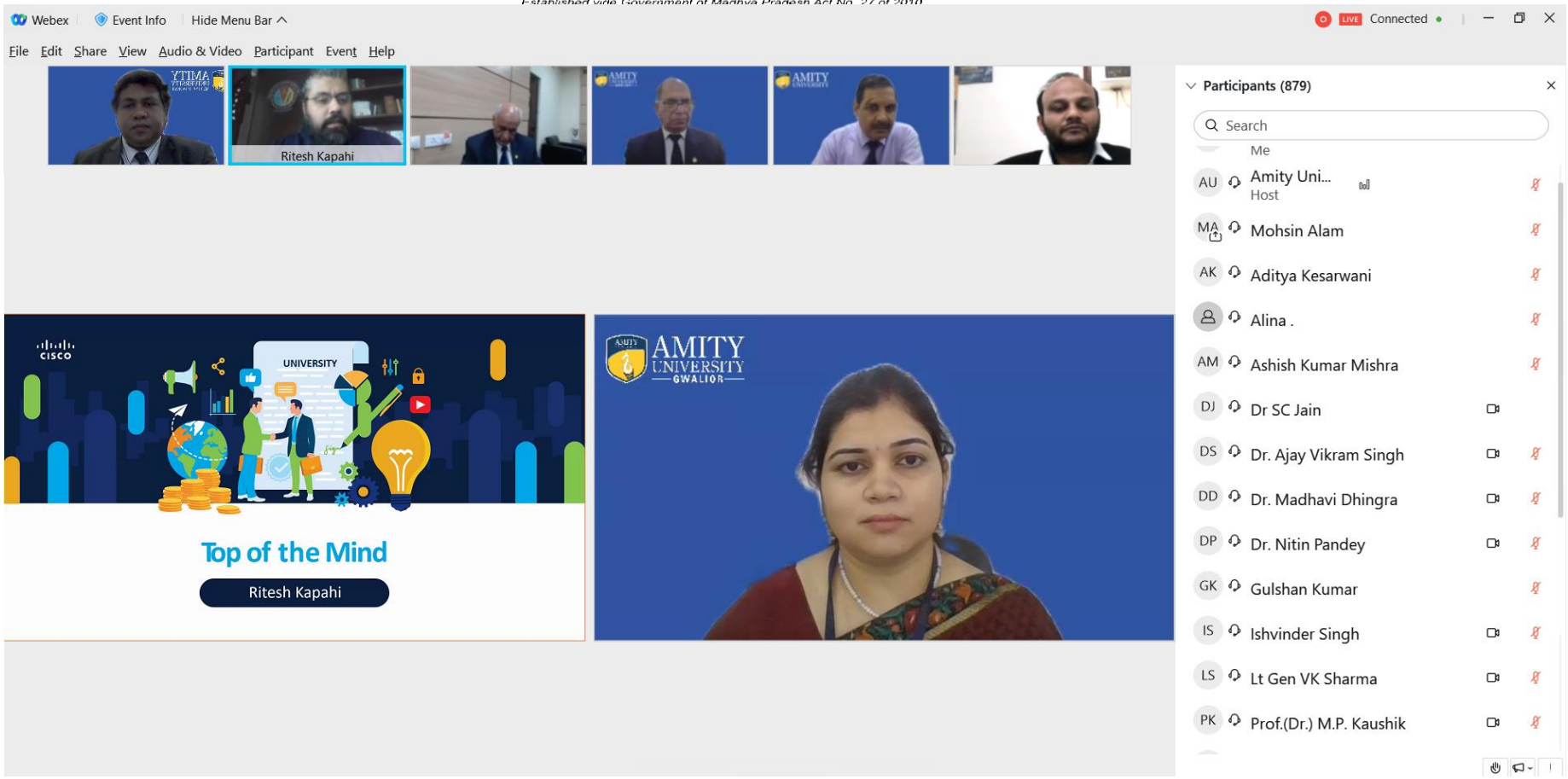


Via CiscoWebex
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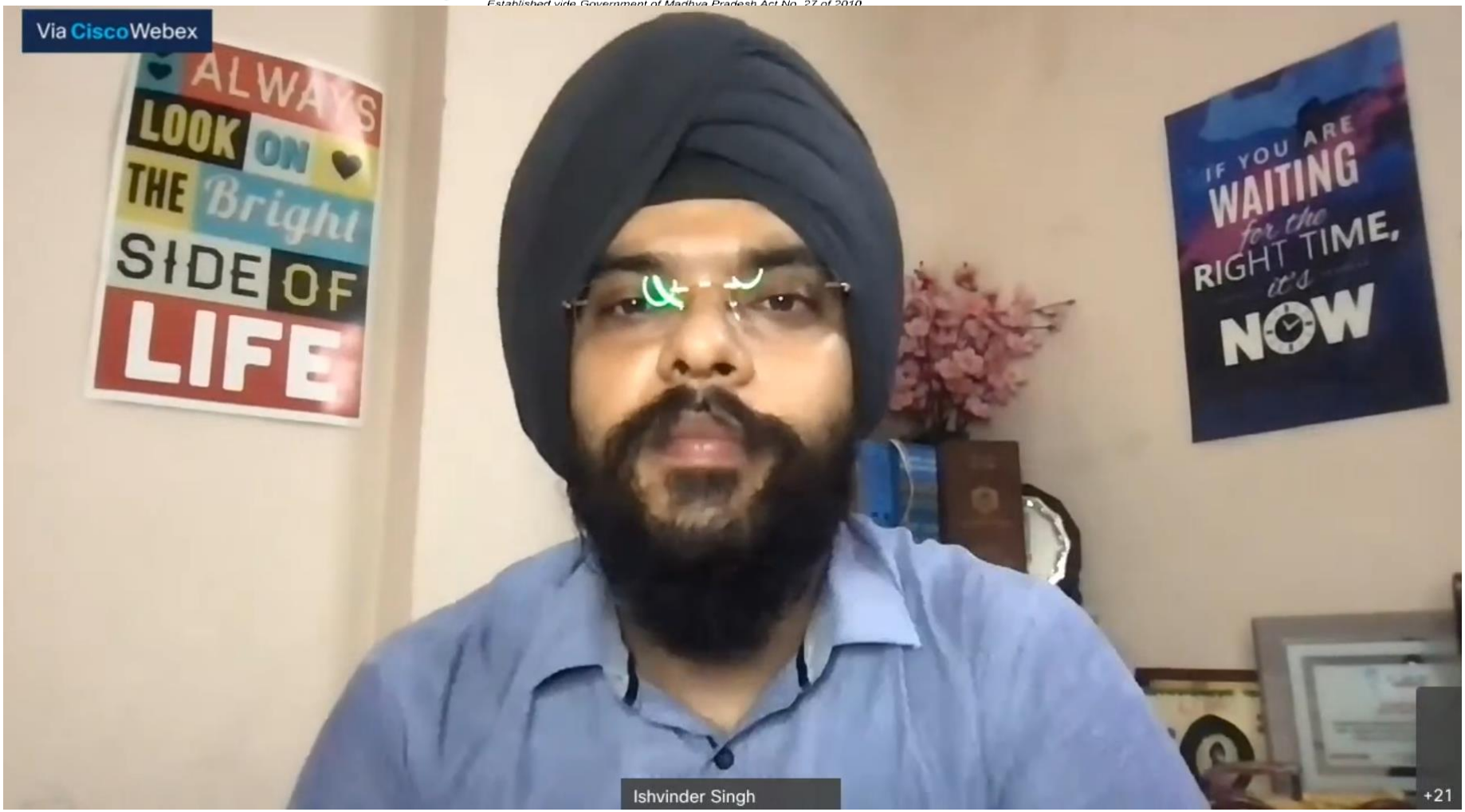
Via CiscoWebex
ALWAYS
LOOK ON
THE Bright
SIDE OF
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IF YOU ARE
WAITING
for the
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NOW
Ishvinder Singh
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22 September 2021 (Wednesday)

Workshop on "Industry 4.0 and IoT"

An online workshop on "Industry 4.0 and IoT" was organized by the Department of Electronics and Communication Engineering (ASET), Amity University Madhya Pradesh on 22nd September, 2021 from 10:15 am to 11:15 am through MS Team online platform. Opening Remarks of the session was given by the **Maj Gen (Dr) SC Jain, VSM** (Retd) Director** ASET. He explained the basic concepts of **Internet of Things (IoT)** for various practical applications in modern industry. The brief introduction about Mr. Aizaz Timrizi was given by Mr. Narendra Kumar Garg, Assistant Professor, ECE, moderator of the event. The lecture and live demonstration was delivered by **Mr. Aizaz Timrizi, Design, Application, Project and Installation & Commissioning Engineering at Softcon India Pvt Ltd.** He has 14 years of Industrial experience with 3 years International experience in **Jeddah - Saudi Arabia**. 54 participants attended the event. Mr. Aizaz Timrizi discussed about "industry 4.0" technology and Internet of Things (IoT) with live online demonstration. Industry 4.0 is the subset of the fourth industrial revolution that concerns industry. The fourth industrial revolution encompasses areas which are not normally classified as an industry, such as smart cities, for instance. Although the terms "industry 4.0" and "fourth industrial revolution" are often used interchangeably, "industry 4.0" factories have machines which are augmented with wireless connectivity and sensors, connected to a system that can visualize the entire production line and make decisions on its own. In essence, industry 4.0 is the trend towards automation and data exchange in manufacturing technologies and processes which include cyber-physical systems (CPS), the internet of things (IoT), industrial internet of things (IIOT), cloud computing cognitive computing and artificial intelligence. The concept includes Smart manufacturing, Smart factory, Lights out (manufacturing) also known as dark factories and Industrial internet of things also called internet of things for manufacturing. Industry 4.0 fosters what has been called a "smart factory". Within modular structured smart factories, cyber-physical systems monitor physical processes, create a virtual copy of the physical world and make decentralized decisions. The vote of thanks was proposed by **Prof. (Dr.) Raghavendra Sharma,** Professor & Head, Department of Electronics & Communication Engineering. This programme was successfully planned and organized with the co-ordination of Prof. (Dr.) Raghavendra Sharma and Dr. Vivek Singh Kushwah along with all staff members of ECE, ASET, AUMP.

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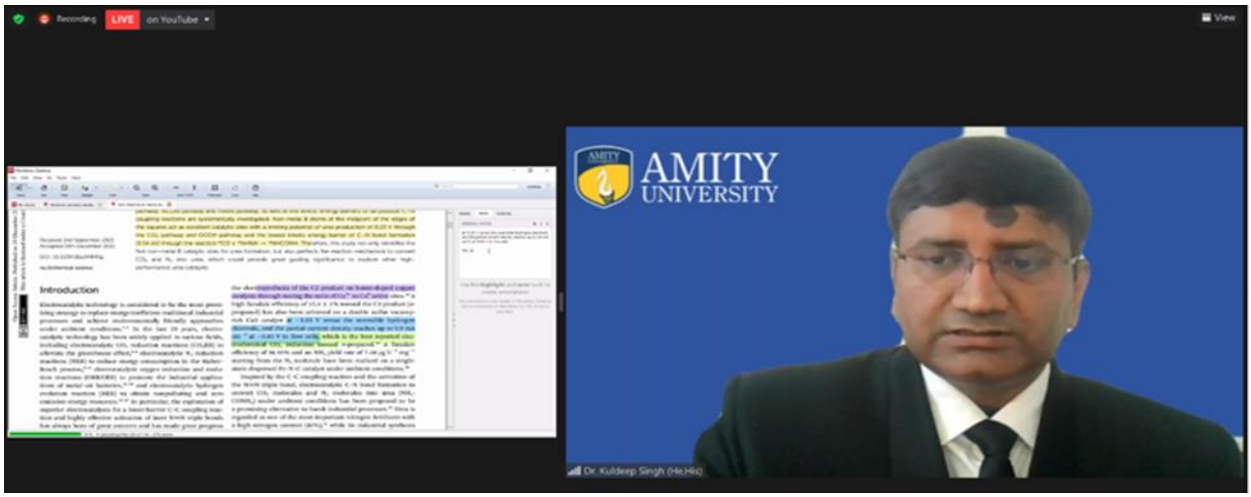
5th February 2022 (Saturday)

Event titled: "Managing Research Literature using Mendeley"

Department of Chemistry, Amity School of Engineering and Technology, AUMP organized an international webinar titled **"Managing Research Literature using Mendeley"** on 5th February 2022 from 02:00 PM to 03:30 PM. The session started with the opening remarks of Hon'ble Pro-VC Sir. Then after, **Prof (Dr) Kuldeep Singh,** Member of Royal Society of Chemistry, Ph D (IIT-B), Postdoc (France), Prof & HoD (Chemistry), ASET, AUMP Gwalior, delivered a talk on Mendeley and demonstrated its' use in managing research literature.

The complete session was focused on the increasing productivity of a researcher by using Mendeley software. Mendeley is very sophisticated tool to enhance the quality of literature survey, thesis, scientific reports and research articles. The methodology and time saving techniques discussed by speaker is very effective for managing literature.

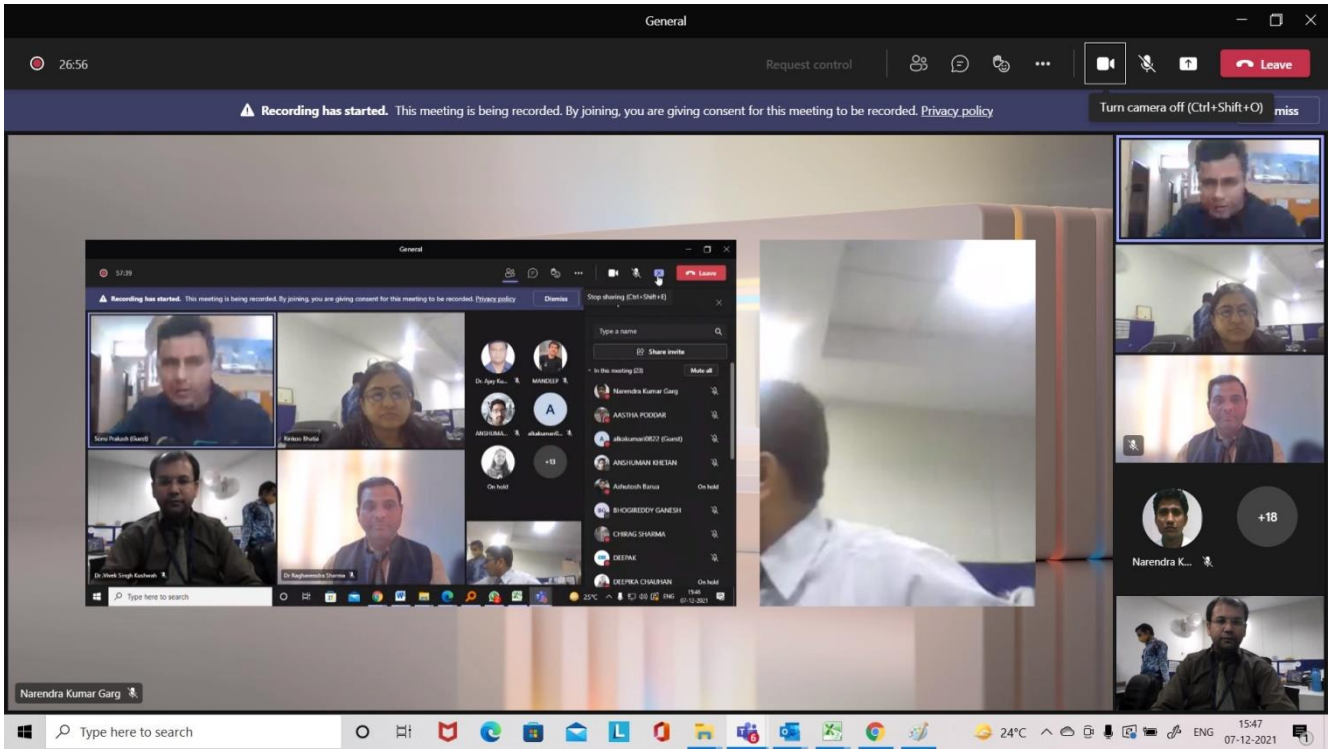
Total 2054 participants from India, Indonesia, the Philippines, Egypt, Ethiopia, Uzbekistan, Senegal, Syria, and Israel have registered for the webinar out of which approximately 856 have actively participated in the event. The event was conducted under the supervision of Maj Gen (Dr) SC Jain, VSM** (Retd) (HoI ASET), and was moderated by Dr. Pankaj Mishra, Department of Physics. The event was supported by Panelists Pro VC sir, AUMP, Maj Gen (Dr) SC Jain, VSM** (Retd) Director ASET and faculty members.



25 Feb 2022 (Thursday)

Faculty Training on "Webinar a New feature of MS Team"

1. Amity Scholl of Engineering and technology organised a faculty training programme on" Webinar-New feature on MS Team"on 25th Feb 2022 from 6:00PM to 7:00PM. The objective of training workshop was to train faculty members towards" Webinar"the updated feature on MS Team. Mr. Pramod Rathore from IT introduced ibid feature to all faculty members. Discussing the limitations of the feature he added that webinar feature can permit 1000 participants only.Training programme was organised on MS team, which was followed by question answer session. Maj Gen (Dr) SC Jain, VSM** (Retd) Director ASET congratulated Mr.Pramod for his presentation and extended vote of thanks.



Session deliver by Mr. Pramod Rathore to all the participants

01April 2022 (Friday day)

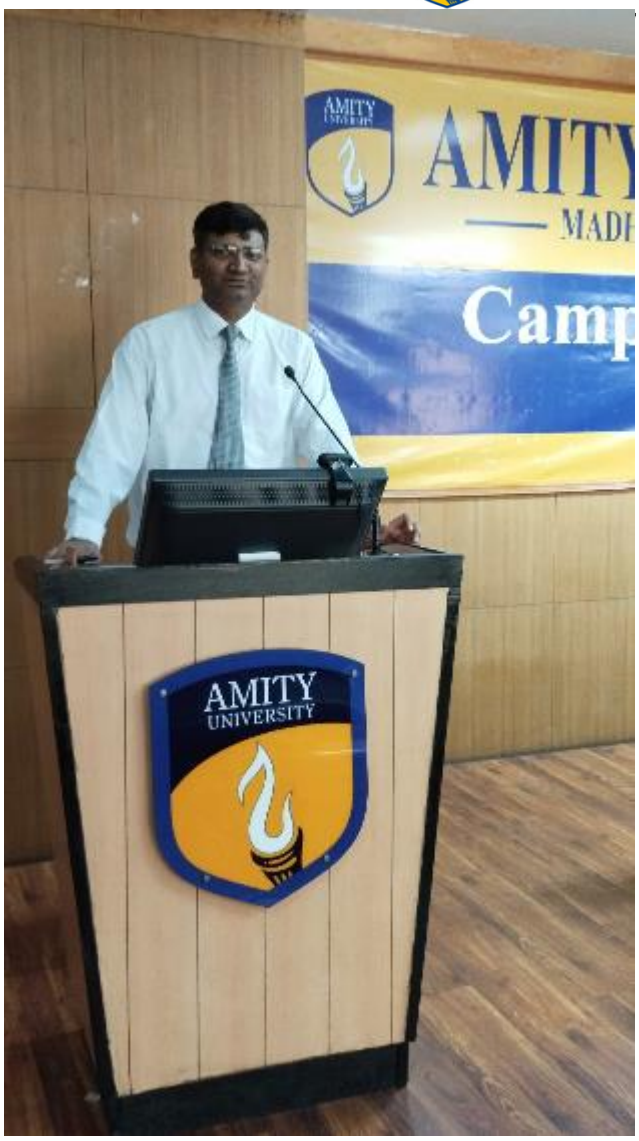
Seminar on Virtual Lab

Amity School of Engineering and technology organised a seminar on the Virtual Lab and its applications in higher education. The event started with the opening remarks by Maj Gen (Dr) SC Jain, VSM** (Retd) Director, Amity School of Engineering & Technology, Amity University Madhya Pradesh , Gwalior. Mr. Akshat Agarwal, CEO, Virtuality Ghaziabad presented his views on Vitual labs, and its usefulness in higher education. The seminar was followed by discussion. The benefits and drawbacks of virtual labs were discussed. Advances in science, engineering and technology have played a pivotal role in treating and controlling tuberculosis. Some technological advances are ultraviolet germicidal irradiation techniques being used to combat the spread of mycobacterium tuberculosis and other air borne pathogens. Dr. Kuldeep Singh, Professor & HoD concluded that virtual labs are good method to expose and train students without any laboratory hazard. However, real lab sessions are required and necessary. A combination of virtual and reals laboratory session is the best strategy. Maj Gen (Dr) SC Jain, VSM** (Retd) Director ASET presented a vote of thanks and congratulated speaker.

Opening Remarks by Maj Gen (Dr) SC Jain, VSM** (Retd) Director, ASET

Speaker Mr. Akshat Agarwal, CEO, Virtuality Ghaziabad

HoI & Speaker



Dr. Kuldeep Singh, Prof. & Head Applied Chemistry, giving concluding remarks

07 April 2022 (Thursday)

IIC Activity

Workshop on "Applications of Arduino Platform"

Department of Electronics & Communication Engineering of Amity School of Engineering and Technology, Amity University Madhya Pradesh Gwalior organized a workshop on "Applications of Arduino Platform" on 7th April 2022 from 3:00 pm to 5:00 pm. The resource persons for the workshop were **Ms. Akansha Rajput**, Embedded Systems Engineer, APPWARS Technologies Pvt. Ltd. (Noida) and **Mr. Sonu Prakash, Director**, APPWARS Technologies Pvt. Ltd. (Noida). This workshop is aimed to provide knowledge on different types of Arduino boards and developing different applications using these boards. 223 participants attended the event which included students from II- year B.Tech. along with the faculty members of ASET.

The workshop was organized with an objective to meet the learning objectives on design and implementation of different electronic projects using Arduino Board and how they are significant for modern industries. It also aimed to update the participants about the Implementation of Electronic Hardware for the embedded system-based applications for the design and development of smart advanced devices.

The session was moderated by Mrs. Rinkoo Bhatia, Assistant Professor, Department of Electronics & Communication Engineering. She initiated the session by extending formal welcome to all the participants, speaker, **Ms Akansha Rajput**, Embedded Systems Engineer, APPWARS Technologies Pvt. Ltd. (Noida), **Mr. Sonu Prakash**, Director, APPWARS Technologies Pvt. Ltd. (Noida), Prof. (Dr.) Raghvendra Sharma, HOD-ECE and Maj Gen (Dr) SC Jain, VSM** (Retd) Director ASET by giving introduction of speaker to the participants.

Opening Remarks of the session was given by the Maj Gen (Dr) SC Jain, VSM** (Retd) Director ASET. Ms Akansha Rajput started her session by giving introduction to the various electronic component used in embedded systems. Further she progressed her talk by discussing the testing and identification of different components Using Arduino board. She emphasized the use of Arduino board for the development of different electronic projects for various practical applications and also demonstrated the practical application of Arduino board. She explained the basic concepts about embedded systems and their use in various practical applications in modern industry. She also elaborated on the use of Electronic Hardware for the various discipline of Engineering. **Mr. Sonu Prakash** suggested the applications of Arduino Platform in various modern industries to the students the domains in which they should excel to get the higher package job in industry. The talk was followed by question answer session which was taken up by Mrs. Rinkoo Bhatia, moderator of the event.

The event was supported by Panelists Maj Gen (Dr) SC Jain, VSM** (Retd) Director ASET, Prof. (Dr.) Raghavendra Sharma, Professor & Head, Department of Electronics & Communication Engineering. Workshop was appreciated by all the participants.

Concluding remarks and vote of thanks was given by Dr. Raghavendra Sharma, Professor & Head, Department of Electronics & Communication Engineering.

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19 July 2022 (Tuesday)

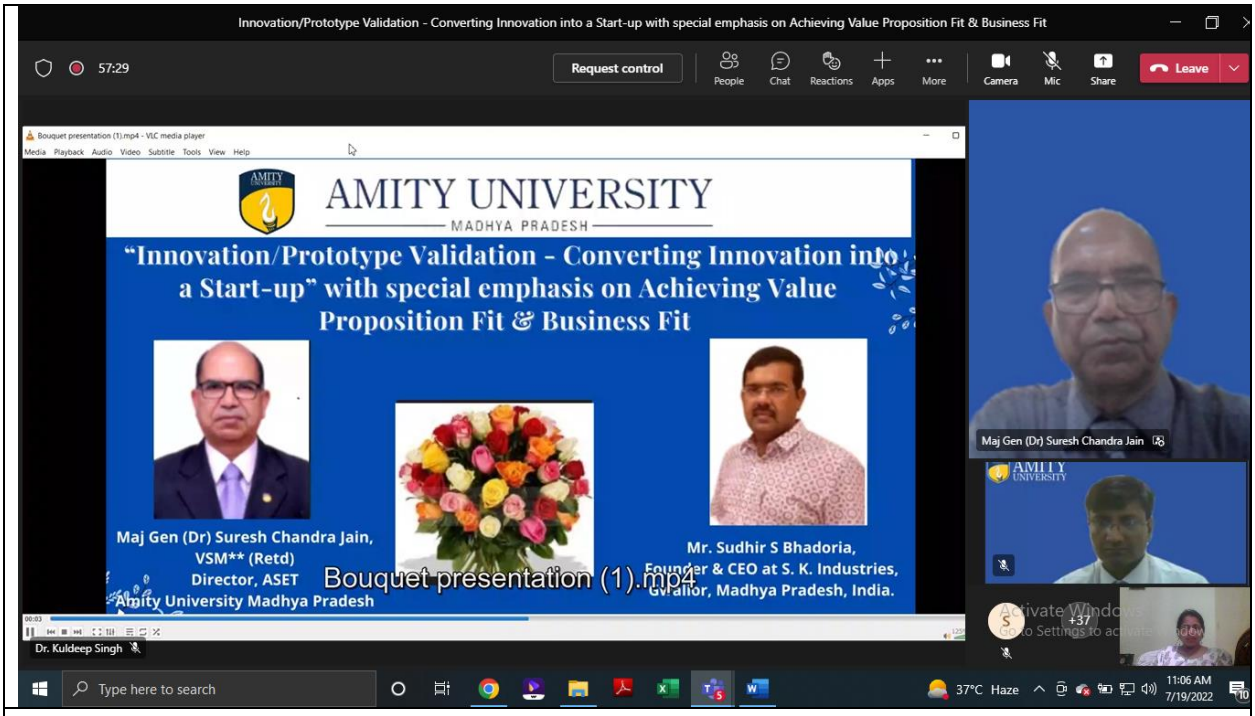
National Webinar under Institute Innovation Cell, MHRD on the Topic "Innovation/Prototype Validation - Converting Innovation into a Start-up" with special emphasis on Achieving Value Proposition Fit & Business Fit

Amity School of Engineering and Technology (ASET)

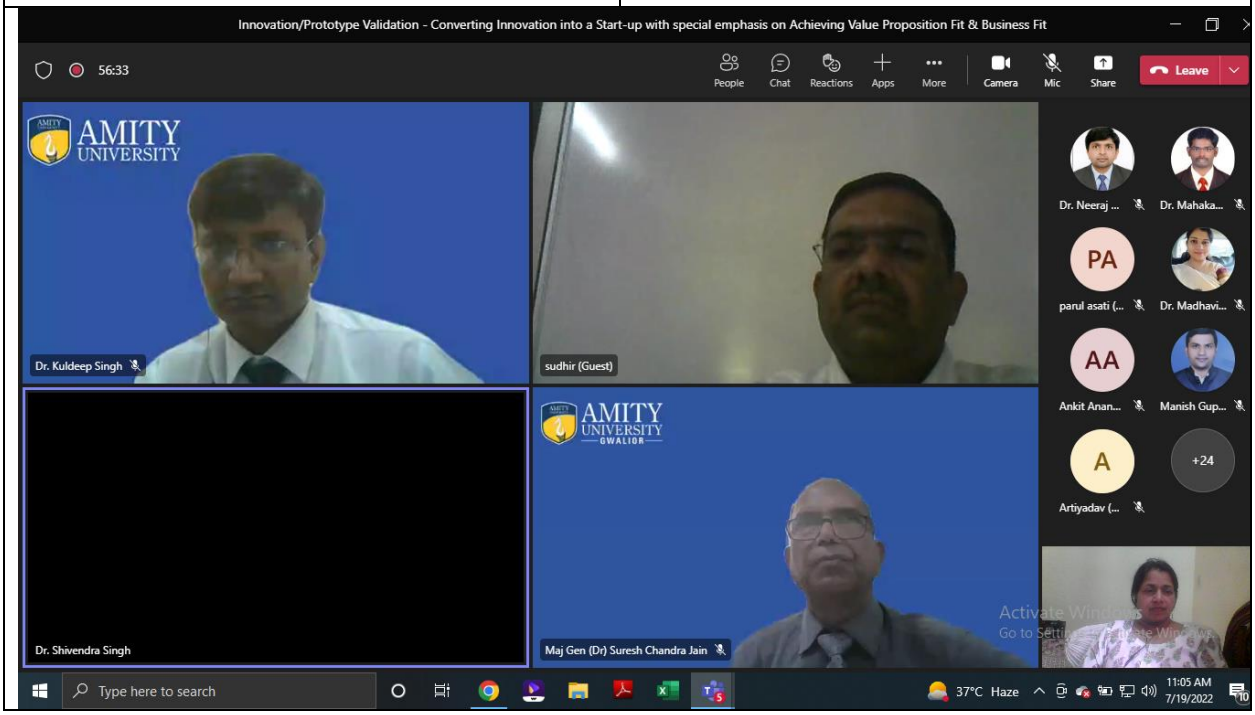
One-day National Webinar under IIC, MHRD on the Topic "Innovation/Prototype Validation - Converting Innovation into a Start-up" with special emphasis on Achieving Value Proposition Fit & Business Fit was organized by Amity School of Engineering and Technology (ASET), AUMP on 19 July 2022. Faculty, students and staff of AUMP were benefitted by the knowledge shared by the invited speaker Mr. Sudhir S Bhadoria, Founder & CEO at S.K Industries, Gwalior, Madhya Pradesh, India, Ex Zonal Business Head & Wireless Business Head, AIRTEL, MP CG. The session focused on concepts about converting innovative ideas into a Start-up and on ideas about the process/useful steps for converting ideas into a start-up. Total 113 participants attended the event.

Major General Dr. S C Jain, VSM** (Retd). Director, ASET, AUMP informed that under the guidance of Vice Chancellor of AUMP, Lt Gen V K Sharma, AVSM, the Amity School of Engineering & Technology focuses towards academic and innovative excellence in teaching and learning of the faculty and students as a factor of prime importance. The special program was organized via online Platform MS Team with the aim of specific guidance to students and researcher faculty members towards conversion of their knowledge into useful and feasible product, the hurdles and their solutions. Invited speaker Mr. Sudhir S Bhadoria, Founder & CEO at S.K Industries, Gwalior is also the author of Startup beginners guide "Karma to Moksha". He is a passionate transformation coach for beginners & startups, Enterprise trainer & Management Auditor to technical and non-technical institutions. He is also associated with assisting the Laghu Udyog Bharti (MSME Support Organization) and in strategic planning, S&D and business development with profit responsibility in telecom industry.

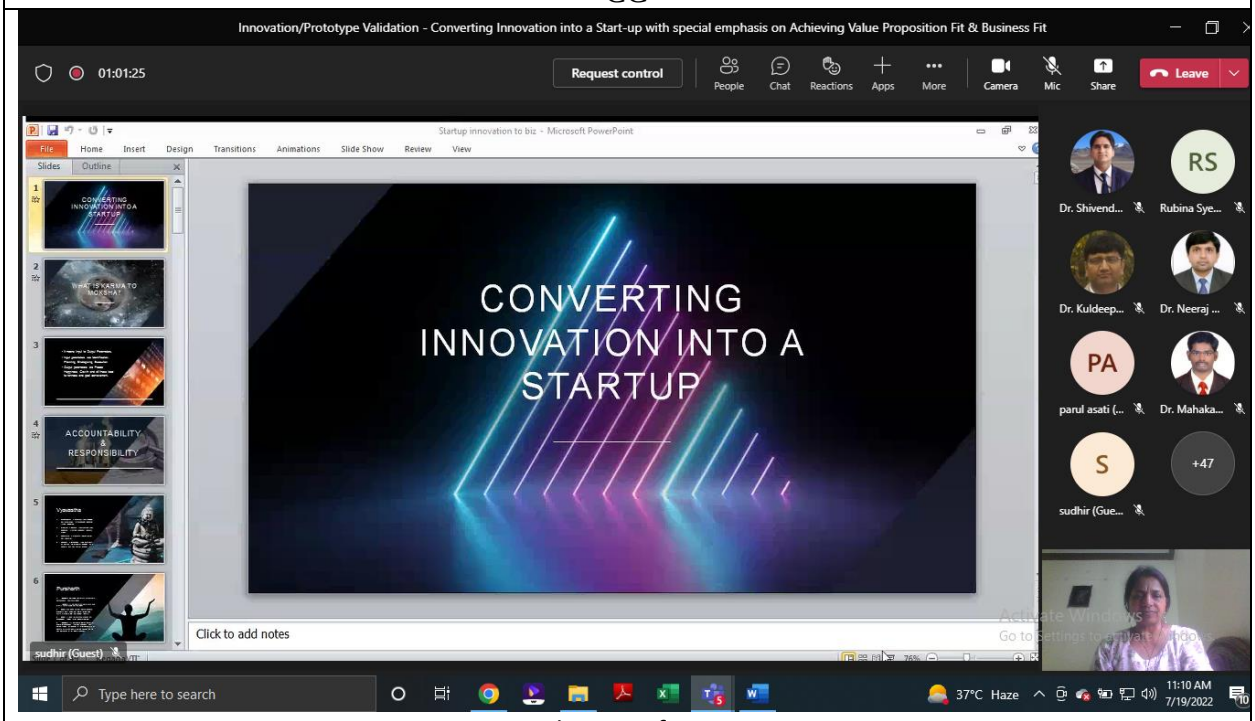
On this occasion Pro Vice Chancellor Professor Dr. MP Kaushik, Registrar Mr. Rajesh Jain, Event Coordinator Dr. Rachna Kathal, Dr. Shivendra Singh, Professors & HODs of various Departments, other staff and students attended the event. Dr. Kuldeep Singh HOD Chemistry presented the vote of thanks & Dr. Raghvendra Sharma, Coordinator IIC, AUMP presented the concluding remarks in the event.



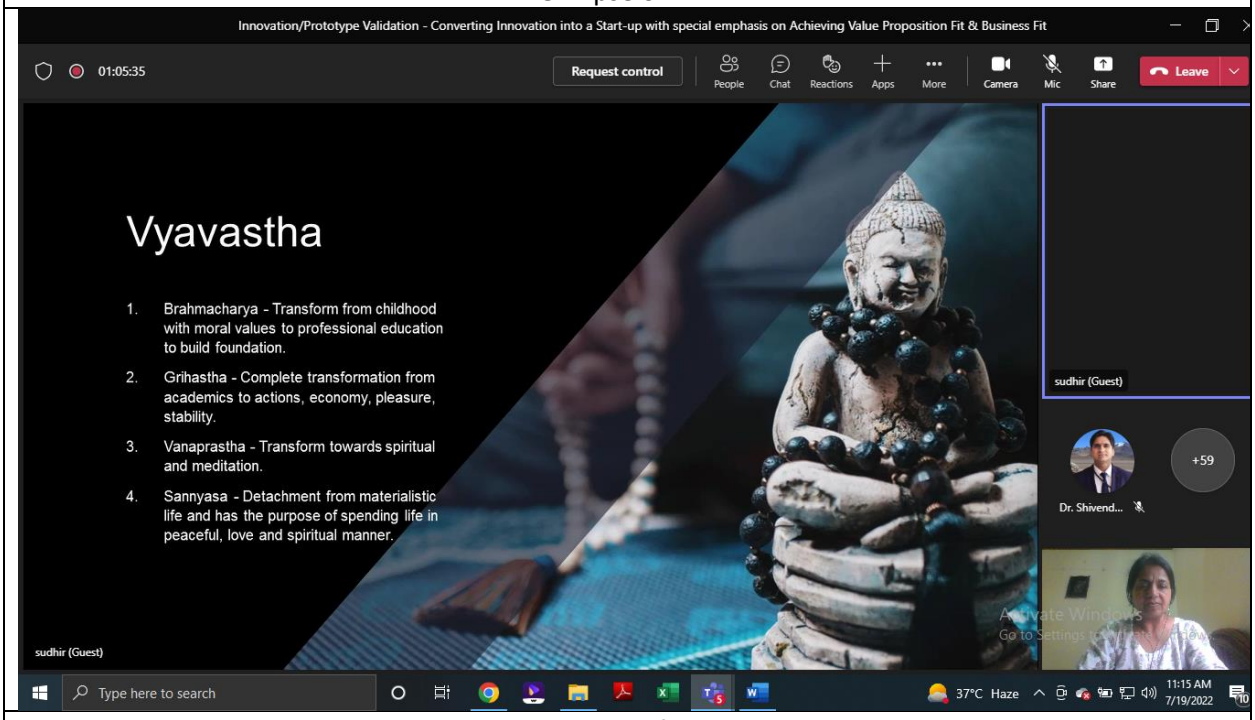
19.7.2022 National Webinar under Institute Innovation Cell, MHRD on the Topic "Innovation/Prototype Validation - Converting Innovation into a Start-up" with special emphasis on Achieving Value Proposition Fit & Business Fit



19.7.2022 Invited speaker Mr. Sudhir S Bhadoria, Founder & CEO at S.K Industries, Gwalior, Madhya Pradesh, India, Ex Zonal Business Head & Wireless Business Head, AIRTEL, MP CG



Glimpse of PPT



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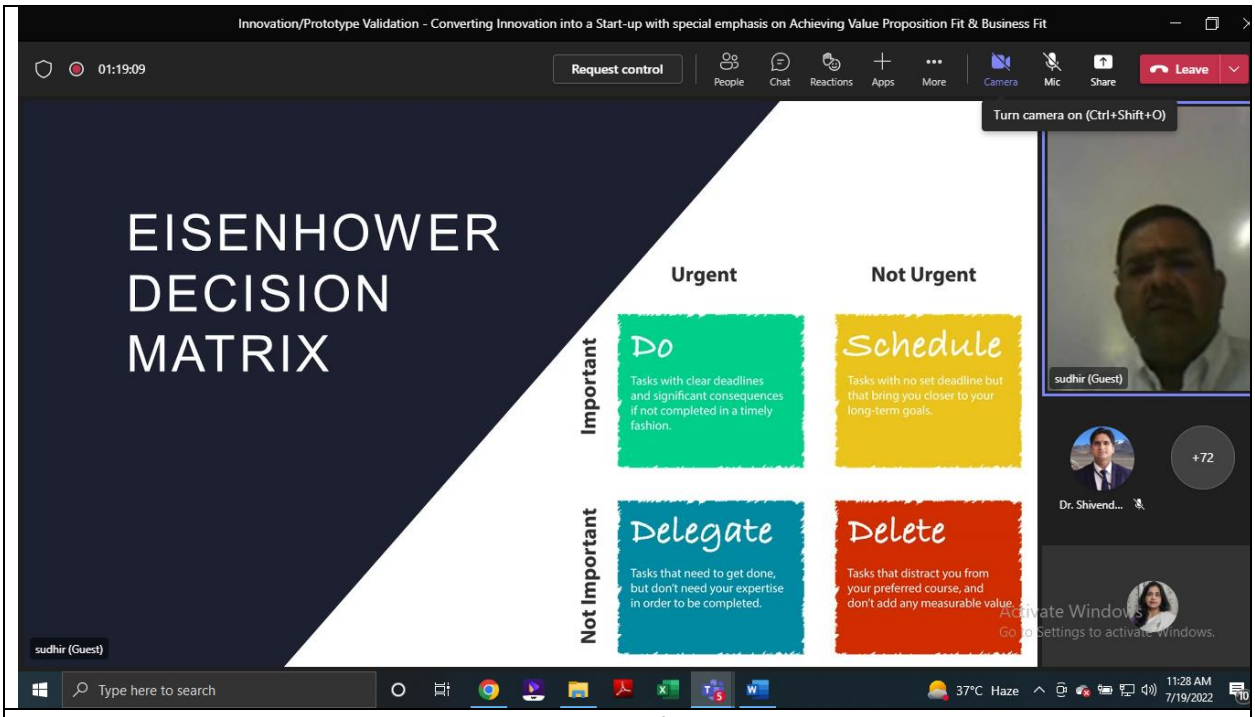

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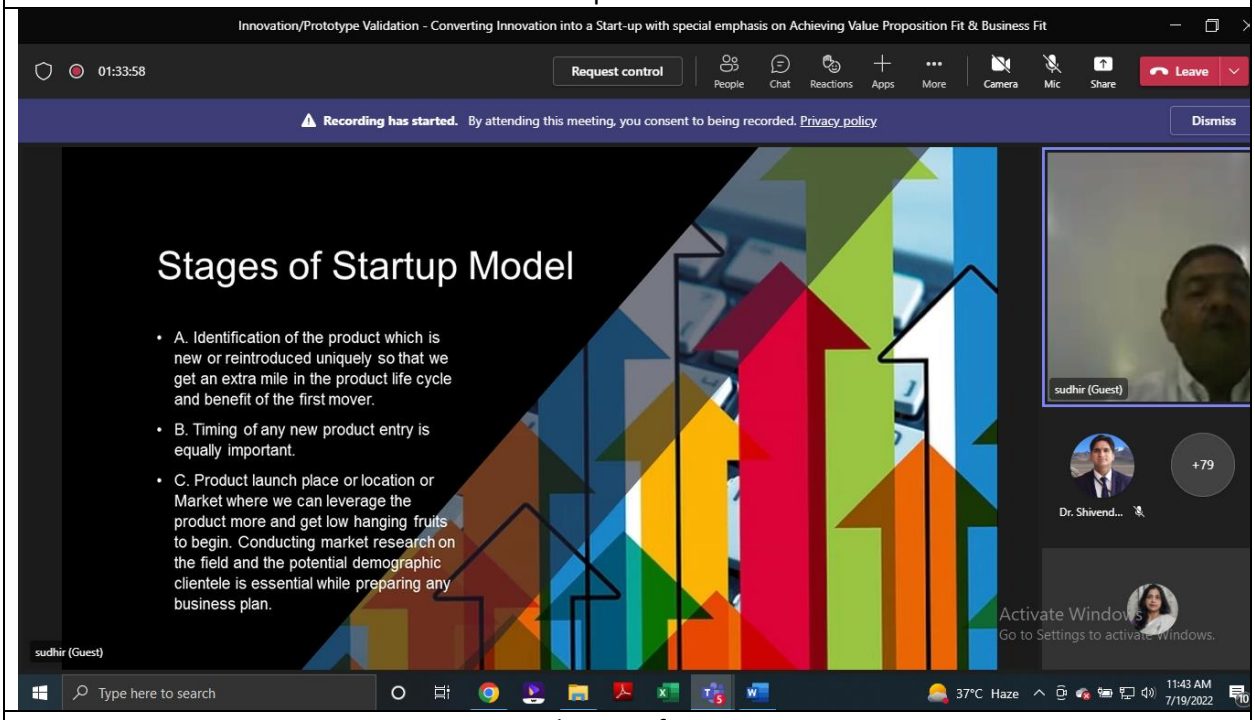

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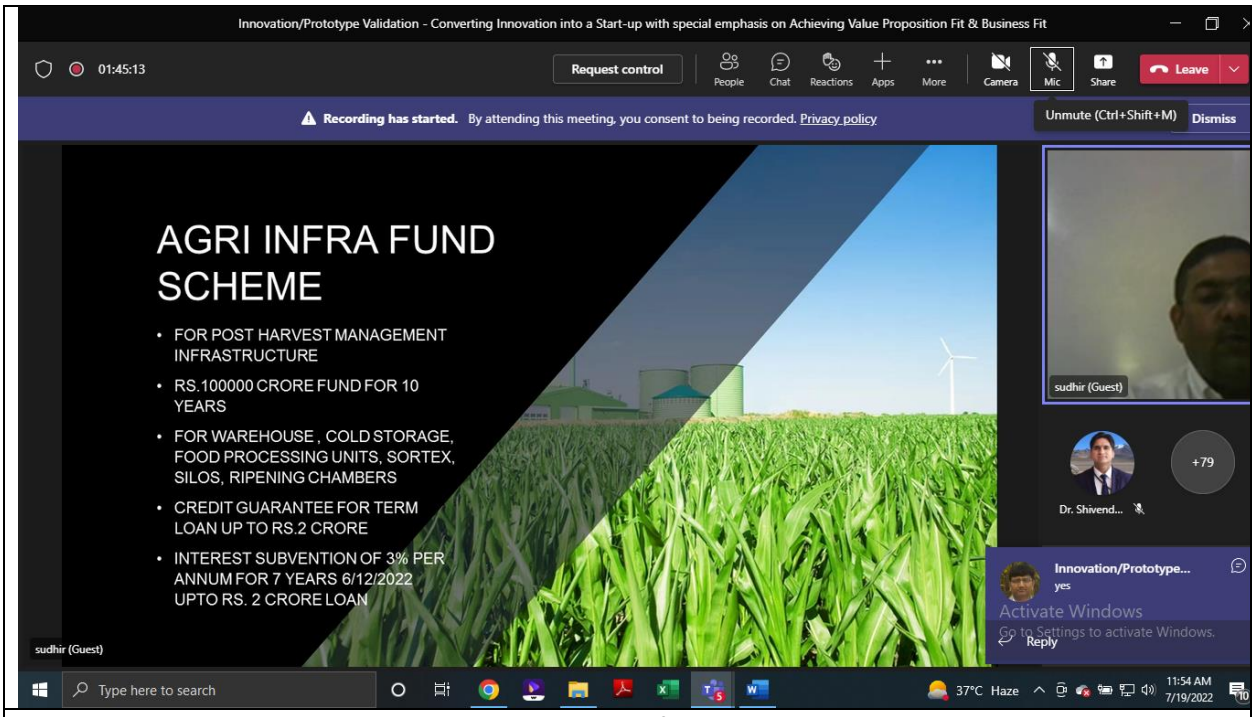

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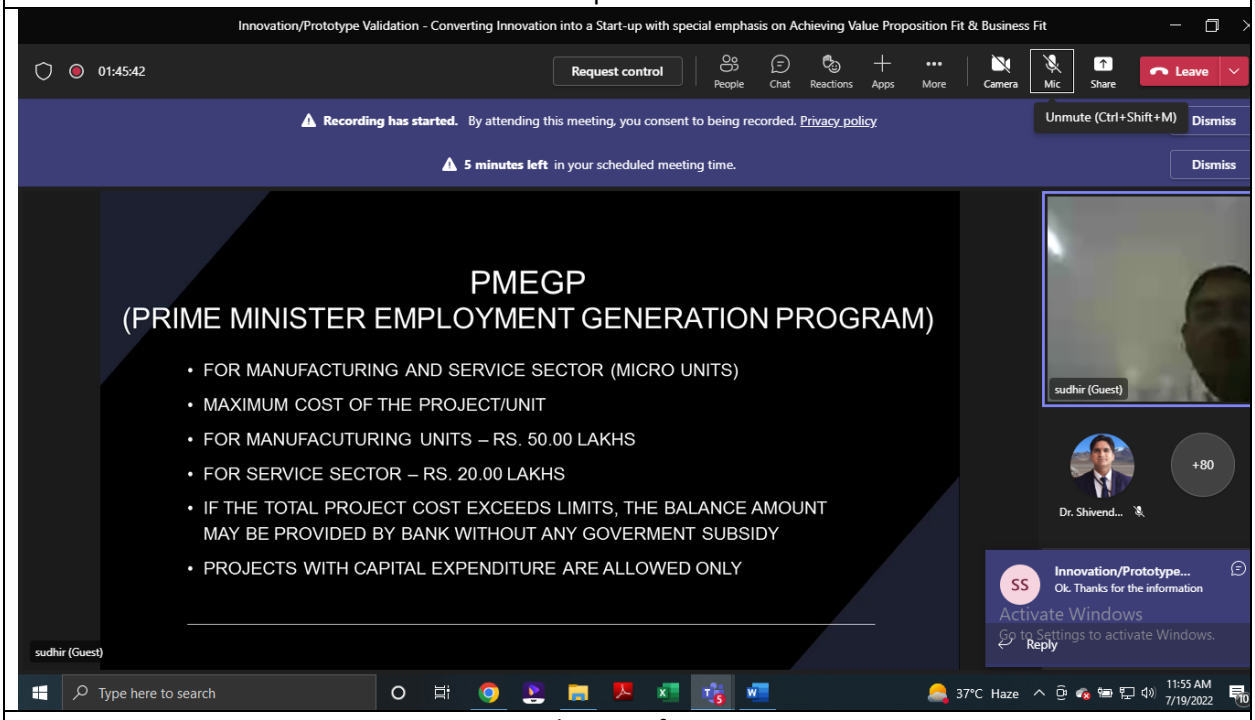

Glimpse of PPT

19 December 2022 (Monday)

National Webinar on "IPR Awareness Programme" (Under NIPAM)

Amity School of Engineering and Technology, AUMP organized an online National Workshop titled **""IPR Awareness Programme" (Under NIPAM) "** on 19th December 2022 with collaboration with NIPAM, Ministry of Commerce and Industry, New Delhi. As a part of the celebrations of Azadi Ka Amrit Mahotsav, the Office of CGPDTM (Controller General of Patents, Designs & Trademarks, Ministry of Commerce & Industry, New Delhi) launched NIPAM (National I PR Awareness Mission) with the objective to impart training to one million students on Intellectual Property Rights (IPRs).

The talk was delivered by eminent speaker **Er. Shailendra Singh**, Examiner of Patents and Designs, Patent Office, Ministry of Commerce and Industry, New Delhi Approximately 290 participants registered for the event and 266 participants attended the event. Opening Remarks of the session given by the Maj Gen (Dr) SC Jain, VSM** (Retd) Director ASET**. Er. Shailendra Singh** initiated his session by giving introduction with IPR, and its requirement. Further he progressed his talk by discussing the different practical applications and advantages of IPR. How a small Idea can be of millions Doller and why every innovation should be protected with patents, and other IPR instruments. He also gave tips to identify novelty in students' projects. The workshop was followed by a question-answer session taken up by Dr. Shivendra Singh, Assistant Professor, Department of Applied Chemistry. The summary of event and Vote of Thanks was delivered by Dr. Kuldeep Singh, Professor & Head, Department of Applied Chemistry, Organizing secretary of the event. The event was supported by Panelists Dr. Rachana Kathal, Dr. Manisha Singh, Dr. Nidhi Singh. The webinar was appreciated by all the participants.

Highlights of the event

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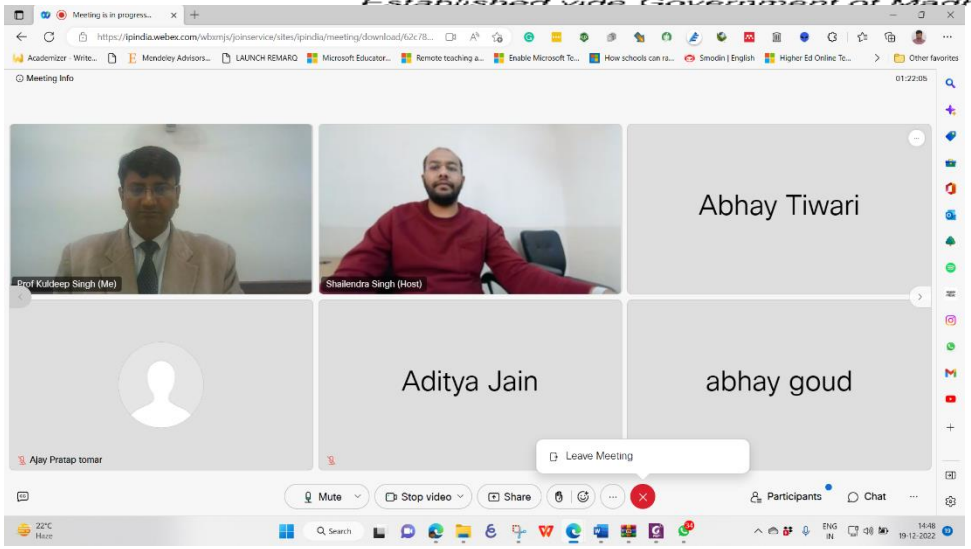

28 December 2022 (Wednesday)

National Seminar on Advances in 5G technology and its impact on India

Amity School of Engineering and Technology, AUMP organized an National Seminar on **"Advances in 5G technology and its impact on India"** on 28th December 2022 in collaboration with Institutions of Engineers India (IEI) and IIC. Approx 53 participants were present during the seminar. The session was started with **opening remark** by **Er. R.K. Khetan**, FIE, Chairman, IEI (Gwalior). Er. Khetan highlighted the role of IEI in development of engineering education and research. The **Keynote Lecture** was delivered by eminent speaker **Maj Gen (Dr) SC Jain, VSM** (Retd), Director, Amity School of Engineering & Technology**, **AUMP**. The speaker highlighted the importance of 5G technologies in various fields, and how the embracement of new technology will help to achieve goal of *Atmnirbhar Bharat*. Expert talk was delivered by was delivered by **Er. Vivek Khandelwal, AI Compiler Engineer, Nod labs (US)**. The speaker explained the technology and why it is different from previous technologies, and how it will help in industrial development in various domains. Second Expert Talk was delivered by **Dr. Rinku Bhatia**, Assistant Professor, Dept. of ECE, ASET, AUMP. Papers were presented by Ms. Anushka Saxena, Mr. Mayank Gour, MS. Ayushi Awasthi, and Ms. Deepanjali Upadhyay. The summary of event and Vote of Thanks was delivered by Dr. Kuldeep Singh, Professor & Head, Department of Applied Chemistry and the event was supported by Dr. Manisha Singh, and Dr. Nidhi Singh. The seminar was appreciated by all the participants.

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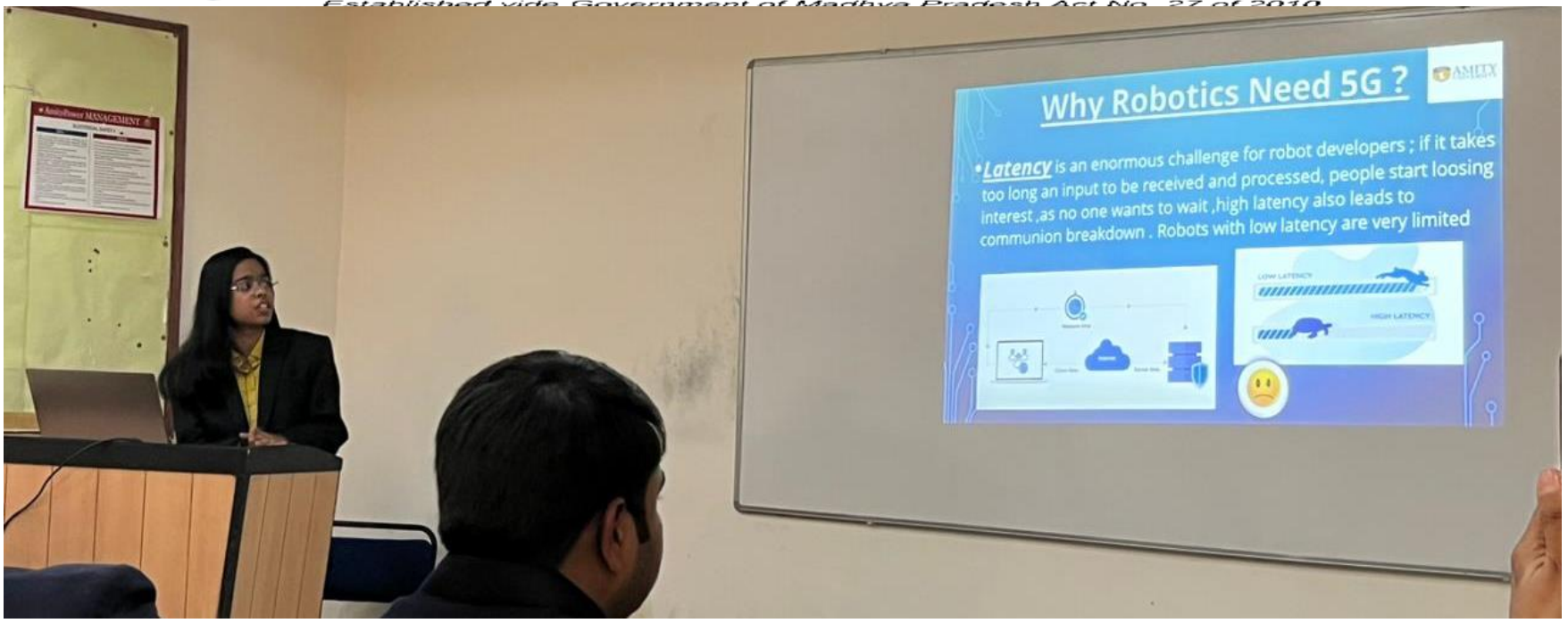
Why Robotics Need 5G ?
•Latency is an enormous challenge for robot developers ; if it takes too long an input to be received and processed, people start loosing interest ,as no one wants to wait ,high latency also leads to communion breakdown . Robots with low latency are very limited
LOW LATENCY
HIGH LATENCY


5G
EVENT: One Day Seminar
Division Board: Electronics and Communication Engineering (ECB)
Theme: Advances in 5G technology and its impact on India
Date: 28 December 2022, 4.00 PM
Venue: ASET, Amity University Madhya Pradesh, Gwalior