

OXYGEN

THE CAMPUS NEWSLETTER



axis

“तत्पश्चिर्वातं भव”



AUGUST 2022

ANNOUNCEMENT

We are pleased to announce a new addition, i.e.,
The student body of Axis Colleges youth club: WINGS



**INVITING STUDENTS TO LEAD
AND REPRESENT
FOLLOWING CLUBS**

- **Cultural and Dramatics Club**
- **Sports Club**
- **Innovation Club**
- **Literary Club**
- **Cross Shelter Club**
- **Pharmacon Society Club**

We would like to take this opportunity to invite entries for the heads' posts in above mentioned clubs. Interested candidates (Only pre-final year ones) can apply for the posts at

>>>> newsletter@axiscolleges.in

Call for the Articles for the upcoming Newsletter

We'd like to extend an invitation to everyone to submit articles and other informative content for inclusion in the next issue. Please send your feedback at

>>>> newsletter@raywings.in.

EDITORIAL BOARD

Editor - in - Chief

Ms. Komal Kushwaha

Director - SWAC (Student Welfare Activity Cell)

Associate Editor

Ms. Ayushi Shukla

Graphic Designer

Mr. Sooraj Diwakar

Editorial Board members - Representatives from departments:

We would like to take this opportunity to introduce the editorial team to you. We have representatives from all the departments who will be responsible for providing us with the information.

AITM - Mr. Prerit Dwivedi

Ms. Shail Dubey

AIFT - Ms. Shalini Singh

AIA - Mr. Asit Pandey

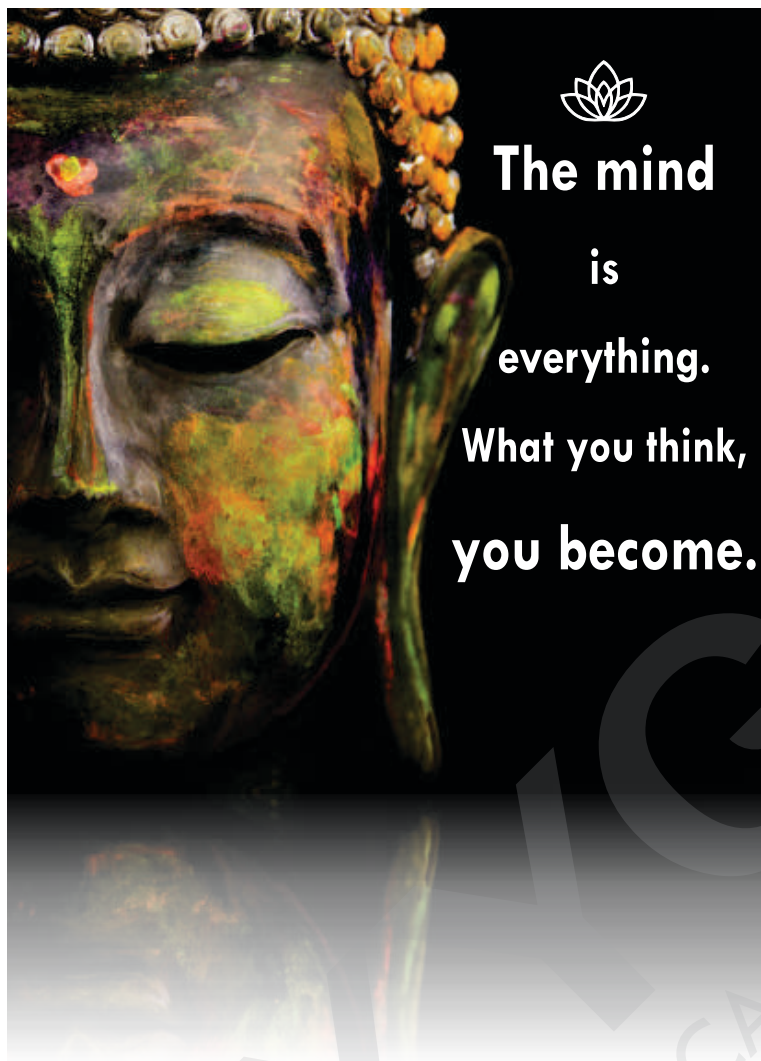
BCA / MCA - Mr. Ashish Shukla

BBA / MBA - Mr. Swarnim Gupta

Pharmacy/ Biotechnology - Anjali Tripathi

PDP - Ms. Sarika Shukla

A token of gratitude to all the dignitaries; Directors, HR, HODs and Principals who spared time and contributed in this issue.




**The mind
is
everything.
What you think,
you become.**

The publication of Oxygen will be indeed a milestone, though reaching milestone gives pleasure, but we know a milestone is not the destination. I would wish that you keep exploring and attaining new destinations beyond the utmost bound of human thought. We can not always build the future for you but yes we can build you for the future.

I dream about the axis as my students imbued with liberal human values, impeccable standards of speech and conduct, audacity to put their own thoughts, resilient, motivated. I hope creative writing, achievements, and activities in Oxygen will be in sync with my dream and motto of TOMORROW FIRST.

Raj Kushwaha
Chairman/MD - Axis Group

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VISION

To be an institution imparting technical and professional education which is career focused, research oriented and value based which benefits students and society.

MISSION

- To be outfitted with the newest technologies to be experts with a worldwide reach.
- Being a learner-centric institution that fosters experimental innovation and skills for lifelong learning while tackling societal issues with the highest ethical standards for nation-building.
- To foster leadership, professionalism, corporate understanding, and executive competency in addition to an entrepreneurial spirit.
- To fulfill shifting academic and industrial needs through our stakeholders.

The Best Engineering College in Uttar Pradesh award was given to Axis Institute of Technology and Management (AITM) by the International Education Organization.

The CEGR Best Institute in Kanpur for Innovation Award was given to Axis Institute of Technology (AITM) and Management by Dr. K.K. Agarwal (Chairman, NBA)

Axis Colleges received the 'QS I-GAUGE ASSOCHAM Academic Excellence Conclave' award.



The institution received the award as a result of a academic excellence survey that was done among the students by QS I-Gauge in collaboration with AICTE & ASSOCHAM. The Title was given to Axis College after a comprehensive evaluation of all 33 Indian Universities and Colleges. The award was presented by Honorable Smriti Zubin Irani Ji, Union Minister for Women & Child Development to the Director of Axis Colleges.

The award was received by Director of Axis Colleges by the Honorable Smriti Zubin Irani Ji, Union Minister for Women & Child Development.

MOU

A Memorandum of Understanding(MOU) was signed between Axis Colleges and LinkedIn.

On July 2, 2022, Axis Colleges and LinkedIn signed a Memorandum of Understanding (MOU) to work together for helping our students discover new talents through the e-courses and improve their existing skills.



Axis Colleges signed MOU with Artech Infosystem Pvt. Ltd.

We are happy to announce that Axis Colleges and Artech Infosystem Pvt. Ltd. have signed a Memorandum of Understanding. This industry-academia partnership will assist students in improving their skills in the areas of software engineering and IT recruitment.

The Lakmé Academy and Axis Institute of Fashion Technology collaborated on projects



The Lakmé Academy and Axis Institute of Fashion Technology (AIFT) collaborated on projects. On April 27, a Memorandum of Understanding was signed, followed by a two day workshop.

A Memorandum of Understanding between the Entrepreneurial Development Council and Axis Colleges.

Following the guiding philosophy of "From Idea to Startup," it gives us great honor and pleasure to inform you all that on December 8, 2021, at Axis Colleges' facilities, EDC (Entrepreneurial Development Council) and Axis Colleges signed a Memorandum of Understanding. This partnership will develop an incubator facility to support students who are passionate about their ideas and want to pursue their goals.

MoU was signed between Interedwise Education and axis colleges

A Memorandum of Understanding (MoU) was signed by Axis Colleges and Interedwise Education to provide Pharmacy students Internships in Europe.

A Memorandum of Understanding was inked by Axis Colleges and Edubrain

A MOU signed with Edubrain Overseas to offer B.Tech, BBA, MBA, BCA, MCA, and fashion students to get internship and employment opportunities in Dubai and Mauritius.

MoU between Axis Colleges and T-identi-T

The institution has increased its efforts to provide educational and professional quality to students, by signing of an MoU between Axis Colleges and T-identi-T to train fashion students in accordance with the industry's requirements.

Axis colleges signed an MOU with Samatrix

Axis Colleges entered into MoU with Samatrix on 14 July 2022. Samatrix is pioneer in data analysis and artificial intelligence. The MoU is aimed at providing students exposure to the cutting-edge technologies.



Axis colleges and the EduSkills Foundation signed a Memorandum of Understanding (MoU).

On July 15th, 2022, a Memorandum of Understanding (MoU) to jointly offer a range of top-notch technical programs in networking, cybersecurity, cloud computing, automation, robotic process automation, and other Industry 4.0 skills in higher education has been inked.



AWARDS AND ACHIEVEMENTS



Shruti Sultaniya (B.Tech CSE Pass out 2021 batch) received an Academic Excellence Award from Honorable Chairman, Axis Colleges for her outstanding performance in Academics.

We are proud to bring to your notice that students of Bachelors in Fashion and Apparel Designing (BFAD) had completely swept the medal tally of AKTU. The 19th Convocation of Dr. AKTU was held on 16th December'2021. The prominent dignitaries present in Convocation were the Honorable Governor, Smt. Anandiben Patel, Prof. Jai Govind Dhandhe, Former Director, IIT Kanpur, the Vice-Chancellor AKTU Prof. Vinit Kansal & others. Our achievers, Priya Gupta received a Gold medal, Mohd. Asmat received a Silver medal & Sumedha Singh received a Bronze medal for their performance in the BFAD stream. Shruti Sultania, Student of B.Tech. CSE also received the silver Medal. The Chairman Axis Colleges, Mr. Raj Kushwaha & the Axis family congratulated them for their great achievement & wished them good luck for their future endeavors.

Medal Tally of AKTU was swept by our pupil at convocation



- ▶ A Total of 142 students have successfully completed Learnathon 2021 of ICT Academy from EE & ECE Branch



- ▶ Mr. Saurabh Vishwakarma Student of EE (3rd Year) has made IOT Based Electric Lightening Lamp for Inauguration Ceremony.



- ▶ Mr. Samarjeet Singh & Mr. Ganesh Shankar Sharma Student of ECE (3rd Year) have made Ultrasonic Gate Opener & Motion Based Rosewater Sprinkler. This sensor opens the door automatically and Sprinkle the Rose Water on human.



- ▶ Mr. Samarjeet Singh, Mr. Abhishek Verma, Mr. Shivam Porwal (B.tech EC 3rd Year) have made Solar Power Bank & IOT Based Fish Aquarium as Mini Project. It is fixed with automatic temperature control, water filtration and Oxygen Supply.



- ▶ Mr. Faizan Ali, Mr. Akash Sharma, Ms. Divyanshi Singh & Mohd. Amir Student of ECE 4th Year have secured First Position in Poster & Model Presentation organized by The Institution of Engineers, India (IEI) The Theme of presentation was AgriTech : Road Towards Sustainable Development during March 2022.



Abhishek Verma



Divyanshi



Ganesh Shankar



Panchsheel



Shivam Porwal



Saurabh Vishwakarma



Tanya Gupta



Faizan Ali



Akash Sharma



Md. Amir



Ashutosh Tiwari (B.Tech. EE)
Receiving Student Research Scholar Award



**B.Tech Students awarded for their
Poster Presentation in AgriTech.**





AIFT STUDENT ACHIEVEMENT

Mr. Nayan Katiyar (Student of TEXTILE DESIGN 3RD YEAR) has participated in the **International Fashion Competition and International Designing** organized by World Designing Forum at Pokhara Auditorium, Nepal. He has got the best concept of the year, this competition was also attended by a lot of celebrities and businessmen from the apparel industry. Many countries like India, Dubai, Sri Lanka, Nepal, Bhutan, Bangladesh, Myanmar, also have participated in this competition.



Our students have bagged few awards and recognitions throughout the session as a result of their dedication and hard work.

Awards	Student	Reason
National Energy Efficiency Innovation award by Mr. R.K. Singh (Minister of Power, GoI)	 Mr. Ashutosh Tiwari (B.Tech-EE-2021)	For developing Energy Efficient Hybrid Treadmill Scooter product
Delhi Sikh Gurdwara Management Committee Innovation award	 Mr. Samarjeet Singh (B.Tech-ECE-2023)	For developing solar energy-based refrigerator

Patents and copyrights

Several patents and copyrights are currently registered

S.No.	Department	Students Year	Students Name	Patent/Copyright Title	Application Number	Date of Publication
1.	CSE	Final	Amanraj Sharma Harshit Shukla Sandeep Kumar	Drowsiness Detection System Using Raspberry Pi	202111041720	15/09/2021
2.	CSE	Final	Shashank Karn, Anuj Tripathi, Sonal Kanodia, Pranjali Gupta	Cyber Spectator (parental control app) Copyright	23619/2021-CO/SW	29/09/2021
3.	EE	Final	Nitin Kumar Shivam Jaiswal Shalini Kureel Rahul Kumar	An Authentication System For Doors	202111044618	01/10/2021
4.	ECE	Pre Final	Abhishek Verma Samarjeet Singh Shashwat Yadav Shivam Porwal	IoT Based Water Filter for Aquarium	202111051050	08/11/2021
5.	ECE	Final	Mr. Ayush Singh Mr. Ravi Yadav Ms. Divya Uttam	Smart Helmet	202211000244	03/01/2022
6.	EE	Final	Mr. Shailendra Kumar Mr. Salim Ansari	Motor Bike Theft Prevention System And Method	202211025206	29/04/2022

Natural Dyeing & Eco-printing Workshop

Natural dying workshop was organized by Axis institute of Fashion Technology (AIFT) with the motive of training students about new Skills and Creativity with a nature friendly approach.



Macramé Workshop



Macramé Workshop was organized by Axis Institute of Fashion Technology (AIFT) for in-depth and extensive learning of skills and techniques. The thought was to transform the student's skills from basic to advance in relation to macramé products like wall hanger, keychains, belts, bracelets etc.

The embroidery workshop

The embroidery workshop was organized by Axis Institute of Fashion Technology (AIFT) to teach students about Aari embroidery and the usage of Aada, sequins, beads, Zardozi, and various Aari stitches and needles. Students were also taught the usage of machine embroidery where they learned about various machine stitches like chain stitch, running stitch, etc, and created motifs out of the learning.



A FINE ART WORKSHOP

A fine art workshop was organized by Axis Institute of Fashion Technology (AIFT) to give students, an exposure to different types of painting and use the different color mediums to highlight the art. In addition, the competition was aced by our Fine Arts Student Vrinda Khandelwal (BFA 1st yr)



CPR and Basic Trauma Workshop

CPR and Basic Trauma Workshop was organized on March 5, 2022, by Axis Institute of pharmacy (AIP). The workshop was conducted by Dr. Pradeep Tondon (Plastic Surgeon), Dr. Sunit Gupta (Anesthetic), Dr. Sushant Verma (Orthopaedic), and Dr. Kaustubh Srivastava (Obs and Gynaecologist). This workshop helped students in understanding the Importance of First Aid and taught them how small medical attention can save a person's life.

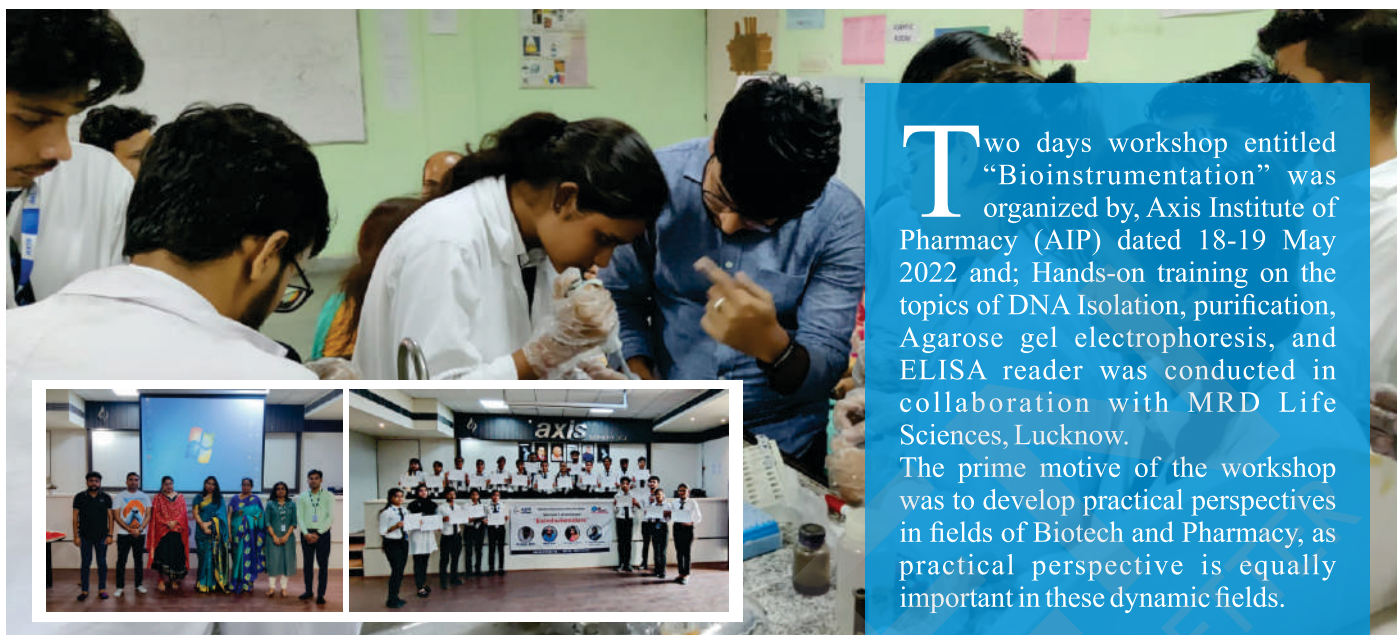


Digital Marketing Workshop

Axis Colleges aims at multi-dimensional development of the students keeping in mind the ever changing business landscape. Internet, social media and information & communication technology have radically changed marketing. To enhance technological proficiency of management students a workshop on "Digital Marketing" was organized by the Institution Innovation Council (IIC) of the Axis Colleges.

Mr Prasun Mishra and Mr Vishal Saxena were the key speakers of the workshop. Mr Vishal Saxena is considered as guru in digital marketing and has more than eight years of experience in with various well established IT companies. The workshop enhanced the proficiency of participants in digital marketing made them aware of emerging corporate trends

Two days workshop entitled “Bioinstrumentation”



Two days workshop entitled “Bioinstrumentation” was organized by, Axis Institute of Pharmacy (AIP) dated 18-19 May 2022 and; Hands-on training on the topics of DNA Isolation, purification, Agarose gel electrophoresis, and ELISA reader was conducted in collaboration with MRD Life Sciences, Lucknow.

The prime motive of the workshop was to develop practical perspectives in fields of Biotech and Pharmacy, as practical perspective is equally important in these dynamic fields.

Don't Blame us If You get Famous ...



To hone our students makeup skills to perfection, Axis Institute of Fashion Technology (AIFT) joined hands with Lakme Academy where students got a chance to learn makeup and grooming skills from industry experts. There was a 2-day workshop focused on new techniques, a deeper understanding of the skill, and the business side of being a professional makeup artist.

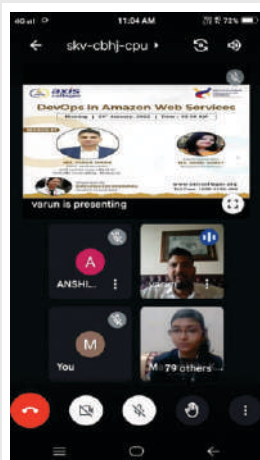
Workshop on Data Science

Workshop on Data Science was conducted by AITM department on 28th April 2022
By. Ms. Shambhavi Gupta, Instructor at UdeMy



DevOps in Amazon Web Services

Axis Institute of Technology and Management (AITM) organized a 4-day webinar on DevOps in Amazon Web Services was conducted on dates 24/01/2022, 31/01/2022, 08/02/2022, 21/02/2022 by Mr. Varun Manik AWS Ambassador & Sr. Consultant



axis colleges INSTITUTION'S INNOVATION COUNCIL

DevOps in Amazon Web Services

Monday | 31st January, 2022 | Time : 11:30 AM

SESSION - II

SESSION BY

MR. VARUN MANIK
AWS ambassador and senior consultant
Deloitte Consulting, Malaysia

Event Coordinator
DR. ABHAY SHUKLA
Associate Professor, CSED

Moderated By
MAYURAKSHI KHANANG
Student Coordinator

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axis colleges INSTITUTION'S INNOVATION COUNCIL

DevOps in Amazon Web Services

Monday | 24th January, 2022 | Time : 10:30 AM

SESSION BY

MR. VARUN MANIK
AWS ambassador and senior consultant at
Deloitte Consulting, Malaysia

Event Coordinator
MS. SHAIL DUBEY
Assistant Professor

Moderated By
MAYURAKSHI KHANANG
Student Coordinator

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Problem Solving & Ideation webinar

axis colleges INSTITUTION'S INNOVATION COUNCIL

PROBLEM SOLVING AND IDEATION

Friday | 10th December, 2021 | Time : 11:00 AM

SESSION BY

MR. K. RAVIKANTH
Assistant Professor, Department of CSE
Rajiv Gandhi University of Knowledge Technologies, Basar

Event Coordinator:
MS. SHAIL DUBEY
Assistant Professor, CSED

Moderated By:
MAYURAKSHI KHANANG
Student Coordinator

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Problem Solving & Ideation webinar was organized by the Axis Institute of Technology and Management (AITM) department and conducted By Mr. K. Ravikant, Asst. Professor Rajeev Gandhi University.

Cyber Security webinar

Cyber Security webinar was organized in Axis Institute of Technology and Management (AITM) department where we had guest speaker Mr. Tushar Sharma, Cyber Security Expert

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Department of Computer Science & Engineering/ Information Technology

Organizing a Webinar on

CYBER SECURITY

10th July, 2021 | Timing – 4:00 to 5:00 PM

Resource Person :
Mr. Tushar Sharma
Cyber Security Expert & Co-Founder
TOFEE: The Organization for
Enlightenment & Education, New Delhi

Event Co-ordinator :
Mr. Narendra Kumar
Assistant Professor, CSE

Moderated by :
Ms. Sumbul Fatima
Student Co-ordinator

Registration Link-
<https://forms.gle/RTWd3GmKmqzTg6L6>

Whatsapp Group Link-
<https://chat.whatsapp.com/K9uYmowfCaJ29h2yU6v>

www.axiscolleges.in **1800-3132-464**

National Energy Conservation Day

National Energy Conservation Day was celebrated on 14th December, 2021 with an expert talk on the topic "MPPT based Improve Solar PV System" by Mr. Vineet Kumar Tiwari (Asst. Professor, UCER). The event was coordinated by Axis Institute of Technology and Management (AITM) Faculty Mr. Tilak Saxena and the Student Coordinator was Ms. Akansha Singh.

axis colleges
Celebrates
National Energy Conservation Day
With
MPPT based Improve Solar PV System using enhanced Storage System
Tuesday | 14th December, 2021 | Time : 01:00 PM

SESSION BY

MR. VINEET KUMAR TIWARI
Assistant Professor
UCER, Prayagraj

Event Coordinator:
MR. TILAK SAXENA
Assistant Professor

Moderated By:
AKANSHA SINGH
Student Coordinator

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My Story: Motivational Session

Session was conducted for our CSE students on 27th November 2021 By Dr. Nitin Saraswat, International Mind Trainer (Coach & counselor) CEO & Founder – "Moulding Thoughts". He quoted "Being an entrepreneur and running your own business is one of the hardest things you can do". They should have the capacity to take calculated risks, self-confidence, desire for independence, desire for achievement, ability to innovate, and knowledge of market trends.

axis colleges
MY STORY: MOTIVATIONAL SESSION
Saturday | 27th Nov, 21 | Time : 12:30 pm

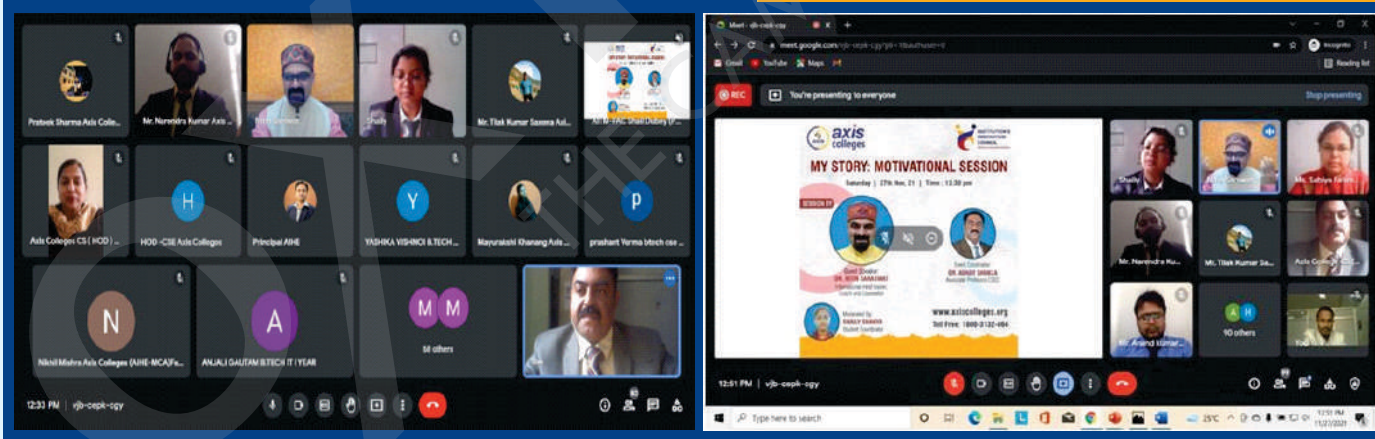
SESSION BY

Guest Speaker:
DR. NITIN SARASWAT
International mind trainer,
Coach and Counsellor

Event Coordinator:
DR. ABHAY SHUKLA
Associate Professor, CSED

Moderated By:
SHAILY SHAKYA
Student Coordinator

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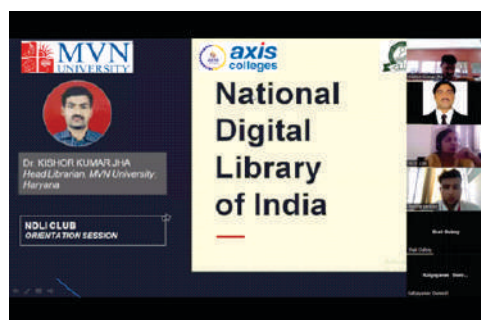
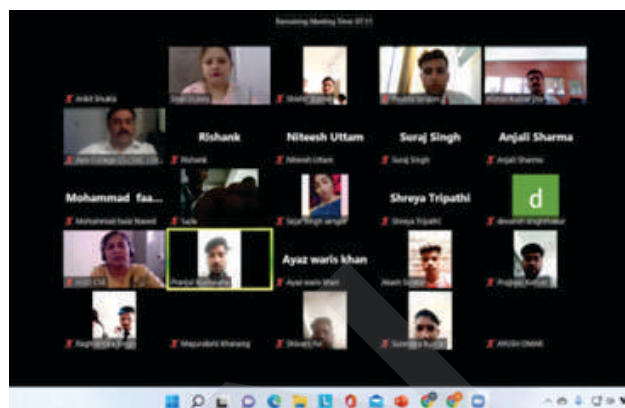


Financial literacy and investor education through gamification

A webinar on financial literacy and investor education through gamification was organized by the Institutions Innovation Council (IIC) for Axis Institute of Higher Education (AIHE) students. The key speaker in the session was Mr. Aman Pal Singh Verma. It was discussed in the webinar that financial literacy is not merely counting of money rather it includes an individual's ability to weigh the cost and benefits of each decision he or she makes. The session was attended by all Management students and faculty with a lot of enthusiasm.

NDLI Club: Orientation Session

Axis Institute of Technology and Management (AITM) organized the Orientation Session on 25th May, 2022. The session was conducted by Mr. Kishor Kumar Jha, Librarian MVN University. The CSE Department organized an online user awareness program on how to use NDLI and Information on NDLI Club. 150+ students and faculties registered for the event. He elaborated the difference between the Digital National Library and National Library and how users can be benefitted by registering in the NDLI club. To increase the usage, NDLI has collaborated with NPTEL and SWAYAM.



Intellectual Property Rights Awareness Program

Intellectual Property Rights Awareness Program was organized by Axis Institute of Technology and Management (AITM) on 08th, June 2022 by Mr. Shailendra Singh, NIPAM Officer (Patent & Design). The Department hosted the IPR awareness program under the flagship of the Kalam Program for Intellectual Property Literacy and Awareness Campaign (KAPILA).



My Story "Turning Dreams into Reality"

A Motivational session was organized by Axis Institute of Technology and Management (AITM) Department under the Series My Story "Turning Dreams into Reality". The session was taken by key speaker Ms. Riddhima Dwivedi (CHRO & Director, KNKIT Solutions Pvt. Ltd.) on 22nd Feb 2022. The event was organized by Ms. Ranjana Singh, Assistant Professor ECE and Mr. Shashwat Yadav, student coordinator.



SKILLS OF THE FUTURE



Axis Institute of Higher Education (AIHE) conducted a seminar on the topic "Skills of Future", where Mr. Bal Krishna Dubey, MD (Nagarro) German was the key speaker. The seminar focussed on development of personality with special focus on areas of anger management, mental flexibility, conflict resolution, team work, personal grooming etc. The participants in the

seminar were exposed to skills that would help them in career development and enhance productivity.

"How to Stay Safe on the Internet"

AIPM (Axis Institute of Planning and Management) organised a successful online student development programme for management students on "How to Stay Safe on the Internet." Mr Rahul Garg, Director Prutor.ai was the key speaker of the programme. A wide range of topics including the internet of things, cyber security, mixed reality, recent experience were discussed by the guest speaker.



Entrepreneurship and Innovation as career opportunity

A session on "Entrepreneurship and Innovation as a Career Opportunity" was held for students of Axis Colleges with the goal of inspiring and motivating them to adopt and cultivate the spirit of entrepreneurship in their daily endeavours.

Internet on Things

A Winter School for Student of EE & ECE final year was organized by AITM on "INTERNET ON THINGS" By Mr. Amit Kumar Sinha (Asst. Professor, AITM EE) & Mr. Darshan Singh (Asst. Professor, AITM ME).



35 Students participated in this Coaching class and get benefitted from recent trends and working of IoT. The students received a Certificate of Network Academy, CISCO.

Entrepreneurship Skills, Attitude & Behavior Development

A Guest Lecture was organized on the topic "Entrepreneurship Skills, Attitude & Behavior Development" by Ms. Dakshita Bhatla (Head, M Square Media) & on 28th December 2021. The event was Co-ordinated by Ms. Sukhpreet Kaur and Student Co-ordinator was Ms. Swati Soren of AITM. Expert talk on Entrepreneurship attitude skill and behavior development was organized by Axis Institute of Technology and Management (AITM). Ms. Dakshita Bhatla moderated the discussion, which included several students and faculty members. The goal was to identify personal skills (cognitive, social and relational skills, technical skills, and management skills) as well as business skills (company strategies, products and/or services, corporate image, and management systems: human resource management, financial management, and marketing).





National Conference on Intellectual Property Rights of Pharmaceutical 2.0

Students of Axis Institute of Pharmacy (AIP) represented the college in the National Conference on Intellectual Property Rights of Pharmaceutical 2.0 organized by AICTE New Delhi for promoting interest, creativity, and ethics among students at PSIT Kanpur. Both B.Pharm & D.Pharm students were awarded for their work. Mr. Vishal Kumar of D.Pharm 2nd year was awarded 2nd prize in speech, Mr. Akash Mishra was awarded for oral presentation and Mr. Utkarsh Bajpai of B.Pharm 1st year got 2nd prize in Ignite Idea Contest.

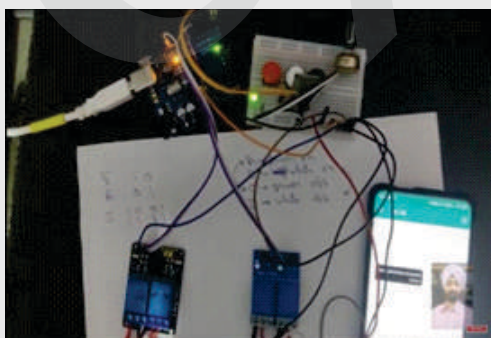
Technical Training

Technical Training:

The department runs rigorous training sessions for the students as well as technology enthusiasts in the following fields

Arduino

Arduino (IOT-based 3-month training for B.Tech ME pre-final and final year students from October - December - 2021)



AutoCAD

AutoCAD (B.Tech 1st year, 2nd year & 3rd Year students were trained on the Engineering drawing, machine drawing, and assembly of mechanical components during October - 2021 to June 2022)

Matlab / Octave

Matlab / Octave (Training on "Computer-based numerical techniques" was imparted to B.Tech 3rd Year & 4th Year ME students during 27th January - 10th March 2022 and Finite element analysis based on MATLAB during 27th January - 10th March 2022)

SolidWorks

Training on "Product modeling based on Solidworks" was provided to B.Tech 4th year ME students from September to December 2021 and B.tech 2nd Year ME students from April - June 2022.



LATEX

Training on LATEX typesetting was provided to B.Tech 4th year mechanical engineering students from September - December 2021. This training is essential for writing project reports, publishing research papers, creating student professional level posters and technical presentations

SHORT-TERM TRAINING ON AUTOMOBILE ENGINEERING

Short-term training on Automobile Engineering: B.tech 4th year mechanical engineering students were imparted working knowledge on automobile fundamentals and a variety of techniques employed during maintenance was discussed in May-2022



CATIA

Training on Solid modeling using CATIA was provided to B.Tech 4th year mechanical engineering students from September - December 2021 & 3rd year mechanical engineering students from January - May 2022.

CNC TRAINING

An online training on "CNC fundamentals for beginners" was imparted from January to February 2022. Further details about part programming for CNC machining were imparted to 3rd-year and 4th-year B.Tech mechanical engineering students from March-May 2022. CNC Part Programming is utilized by modern manufacturers to create program instructions for computers to control a machine tool.



CNC Programming for Beginners

Starting From 03th February, 2022

Overview:

- CNC Machine Basics
- CNC Setup and Operations
- CNC Turning Center Programming
- CNC Machine Center Programming

Duration: 5 Days

Instructors:
Dr. Rajeev Kumar

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Toll Free: 1800-3132-464

Hindustan Aeronautics Limited

The students of the mechanical engineering department went on a one day industrial visit to Hindustan Aeronautics Limited, Kanpur to acquaint themselves with the technical know-how and the practical applications of engineering principles



Lohia Industries

The students of the mechanical engineering department went on a one-day industrial tour to the Lohia Industries Kanpur in order to get a hands-on experience of what it is like to work in a fast-paced and competitive industrial setting, the things they should keep in mind and the prerequisites required.



SEBIZ SQUARE

AIHE (Axis Institute of Higher Education) being concerned with the professional and practical growth of every student, planned a 4-day industry visit as well as an excursion from May 9–May 13, 2022, with the presence of faculty members. As a part of industrial visit, students visited Sebiz Square, an IT based company where students were exposed to operational functioning of the organization. Students were also introduced to usage of different programming languages. Apart from the industrial visit, the students also visited Shimla hill station and enjoyed the beauty of nearby places.



Cancer Day Celebration on 04th February 2022.



To motivate cancer patients toward life and to develop a fighting spirit against cancer disease in them, faculty members & students of pharmacy visited the J.K. cancer research Institute, Kanpur. Department had provided gifts, inspirational quotes, smiles, and food packets to the cancer patients. Pharmacy staff spent quality time with patients.

Fragrance Flavor Development Centre

The Axis Institute of Pharmacy along with B.Sc. biotechnology and B.Sc. microbiology conducted an industrial visit to the Fragrance & Flavour Development Centre, Ministry of MSME, in Kannauj, India, in order to enhance the value of first-hand experience for young minds. Key objective of the visit was to gain knowledge about aromatic cultivation, processing and marketing at national and international level. The visit helped students appreciate the importance of R & D institutes in the fields of chemical technology and agrotechnology, as well as the essential oil, fragrance, and flavour business.



ICAR- Indian Institute of Pulses Research(IIPR), Kanpur on 17 Mar-22

“To acquire good marks, one must hold theoretical knowledge; but to be a good researcher, one must hold theoretical as well as exceptional practical knowledge.”

To elevate the practical grip of students, Axis Institute of Pharmacy (AIP) organized an Educational visit for B.Pharm. B.Sc. (Microbiology) and B.Sc. (Biotechnology) at ICAR- Indian Institute of Pulses Research, Kanpur. Students visited various divisions of IIPR, which helped in boosting their knowledge. The main motive of the visit was to increase the appetite for research in the students because Axis Colleges aims to water young minds.



Martin Fashion Creation

An industrial visit to Martin Fashion Creation was organized by Axis Institute of Fashion and Technology (AIFT) to make students aware of various activities related to fabric sourcing, pattern making, cutting embroidery followed by garment production.



(Manufacturer and Exporter of garments)

Hospital Training

Students of Biotechnology department visited the Hospital to explore the imaging tools used in the operation theatre. The students were exposed to the various bio techniques used in pathology labs and in the Bio Medical Waste (BMW), patient emergency position training and learnt patient care. and safety.



YOGA DAY



“Yoga is a science, a science of well being, a science of youthfulness, a science of integrating body, mind & soul”.

On the occasion of International Yoga Day i.e. 21st June' 2022, Axis Colleges organized Yoga Session for students which was led by Mr. Yogendra Uttam, Director UCI Digital. Students learnt & performed many Yoga asanas with the yoga instructor. Mr. Uttam narrated about this Yoga Day as a day for everyone to rejuvenate & connect with their inner self.

SANRACHNA '22

Department of Civil Engineering under Institutions Innovation Council (IIC) organised a Poster Making competition for students on 13th May, 2022. students were appreciated with certificates of participation.



Saraswati Puja

On the auspicious occasion of 'Basant Panchami', Axis Colleges organized Saraswati Puja with all the Axis Family members. On this special occasion, everyone worshiped goddess Saraswati to get her blessings and knowledge for the betterment of the institution. Management also added positive wishes in the positive environment.



Smart India Hackathon 2022

Smart India Hackathon 2022 (SIH), A national level competition for innovation in technology was organized for the students by Ministry of Education, GoI. Teams from all over India participated in this event.

Axis Institute of Technology and Management (AITM), Kanpur organized an Internal hackathon for shortlisting of the team for SIH 2022 on March 28, 2022. Students from the various programs had participated in the event.



Archimania

Axis Institute of Architecture (AIA) celebrated Archimania, which was a series of six architectural event held from 22 February to 25 March 2022. Students demonstrated their technical knowledge. All the participants successfully showcased their creative potential and gave it a voice through architecture.



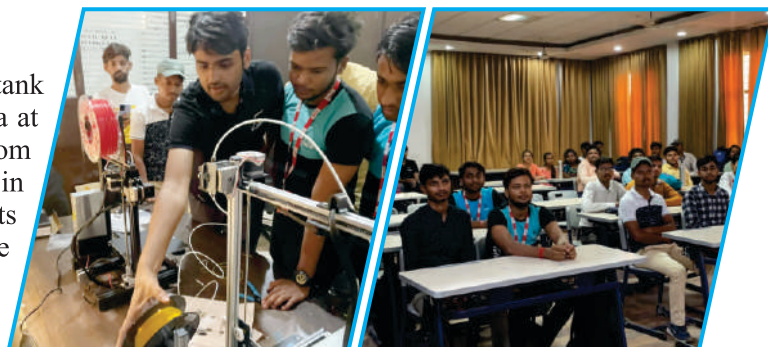
CONVOCATION DAY



The Convocation and hooding ceremony of Axis Colleges was organized on 10th April 2022 for 2021 pass-out students. Mr. Rakesh Sidana Founder MeriCar.com, AVP Go-Machanic and Dr. Pratap Singh Kakasaheb Desai, President ISTE, New Delhi were the chief guest for the event. The graduates and postgraduates were hooded across the stage along with their degrees, and medals were awarded to the toppers. Ceremony was a success and the Axis Colleges wished the students a wonderful life and a fulfilling career ahead.

Drone workshop

A two days Drone workshop was organised by Sand tank startup Foundation in collaboration with EDC India at Axis Colleges on 18-19 June 2022. Students from various engineering colleges actively participated in the workshop in which they learned the basic concepts and functioning of Drone. A Flying session of Drone was also organised for students.



EVERYDAY WOMEN'S DAY



Students of Axis Colleges salutes all women in collaboration with Sand Tank Startup Foundation and Entrepreneurial Development Council India. Students celebrated this Women's day in the theme of Recognizing the Unrecognized.

Students as change makers met the working women and gave certificates of appreciation to women from various walks of life such as ITBP, Police, Bank personnel, Income Tax, Airforce, HAL, Post office etc. Through this effort students reached out to more than 5,000 people and connected to 600+ families Happy Women's Day!



National Pollution Control Day

"The resources we are not gathering are what causes pollution. Because we were unaware of their worth, we let them scatter"

National Pollution Control Day was commemorated by the Students Chapter of IIE (Civil) and the Institution's Innovation Council of Axis Colleges with a competition for "Innovative Ideas for Plastic Free Campus." Students of all engineering branches were welcome to

enter the competition and offer their creative solutions for making the campus plastic-free. The students had a wonderful chance to demonstrate their original thinking, research abilities, and presentation skills. The winners received attractive prizes, and all chosen participants received certificates.



Fruitful Friday

From April 2022 Axis Institute of Fashion Technology (AIFT) announced No Lecture Fridays. Every Friday the AIFT department assembles together for the entire day of engaging activities; like Fashion News update followed by fashion debates, speeches, skill building games and much more. Later students had counselling sessions and collaborative assignments.



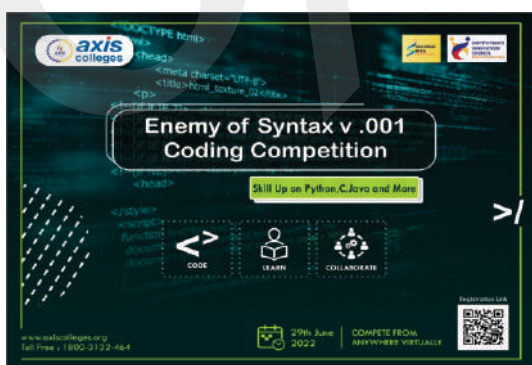
Student of Engineering (4th Year) Presented their Project Model in Project Expo during June 2022.

The AITM Department hosted a Project Expo for B.Tech. student-designed projects based on new concepts, which drew a large number of people. All the branches of B.Tech. showed active participation in the event. The main goal of creating this exhibition was to create a forum for students to showcase their unique projects generated in the Final Year, either concentrating on Industry Defined Problems or User Defined Problems, and to allow students to highlight their learning experience. The **Project Expo** resulted in students being able to display their projects at a better level, and the process enhanced their confidence



Enemy of Syntax

The first "Enemy of Syntax" online coding competition was conducted on June 29, 2022 with great passion by Sanganak Shila, the society of the CSE/IT Department, Axis Institute of Technology and Management.



Samvaad On November 11, 2021

Personality development department organized yet another electrifying event of "SAMVAD- a debate tournament" at the premises of Axis Colleges. Jury Members Included Mr. Arunendra Soni, Director of the SAC, and Mr. Vinay Singh and Dr. Shubha Jain, (HOD -B.Tech). The topic of SAMVAD was on "Online Education- Boon or Bane" Despite the fierce competition, Nikita Rajput (B.Tech CE 2nd year-Bane) and Ankit Tomar (CS second year, B.Tech., Boon) were declared the best participants of the competition.



Publications

- Ms. Preeti Singh Published a Research Paper entitled IOT Based RC Boat for Water Pollution Monitor in International Journal of Research & Analytical Reviews (IJRAR).
- Mr. Kaushal Kishore Published a Research Paper entitled Design & Development of Machine Learning Techniques for Disease Prediction in 11th IEEE International Conference on Communication System and Network Technologies in June 2022.
- Mr. Azeezurraman Ansari published a research paper entitled “Design of Intze Water Tank by Using Staad Pro for Hathipur Village” in International Journal of Creative Research thoughts in March 2022.
- Mr. Anand Bhatt published a paper entitled To Enhance Soil Stabilization by Using Plastic Waste in February 2022.
- Dr. Abhay Shukla Published a paper entitled “Investigating the Implementation of the Internet of Things on Business Performance” in International Journal of Research in Engineering, Science and Management in December 2021.
- Ar. Palak Patel Presented Paper on 40th World Conference on Applied Science, Engineering and Technology, Goa, India DEC-21.
- Ar. Vanshika Agarwal Published a Handbook on “Single Use Plastic Free Campus”-2022.
- Ms. Neha Singh presented a paper at National Conference on Organic & Natural Farming In Context To Indian Agriculture on the topic "A Comparative Study on Sustainable Dyeing of Cotton and silk with Banana Petaloid" held on 13-14th May, 2022.
- Ms. Rashika Shukla published a paper entitled “The Importance of Presentation Skills for Employability”. IUP Journal of Soft Skills, 16(1), 31-36. (June 2022)
- Mr. Sanjeev Kumar Shukla published a paper entitled “Security Analysis of Message Transmission using Quantum Cryptography” presented in Dev Bhoomi Uttarakhand University & Published in International Conference on computational Intelligence and Smart Communication (ICCISC-2022) on 10-11 June 2022.
- Ms. Anam Taufeeq published a paper entitled “Analysis And Chemical Characterization of Rice Bran Oil for Dietary Consumption” in International Journal of Innovative Research in Technology in December 2021.
- Dr. Arvind Kumar Bharti published a paper entitled “Magnetic and dielectric properties of 0.1Bi₂/3Cu₃Ti₄O₁₂-0.9Bi₃LaTi₃O₁₂ nanocomposite prepared by semiwet route” in Current Nano Material in January 2022.
- Ms. Sadaf Arfi has published a paper entitled “Artificial intelligence: an emerging intellectual sword battling carcinomas” at SHAASTRARTH in March 2022.
- Mr. Abhay Singh Patel published a paper entitled “Effect of different supplementary cementitious materials on compressive strength of concrete with varying size of aggregates” in Materials today : proceedings in January 2022
- Mr. Anurag Bajpai published a paper entitled “Harmonic analysis of VSI fed induction motor” in June 2022.
- Ms. Deepti Nigam has published a paper entitled “Development of power system protection and control” at Virtual 3rd International conference on artificial intelligence & Robotics in Life Science in march 2022.
- Mr. Vinay Kumar Pandey has published a paper entitled “A comprehensive review on the application of essential oils as bioactive compounds in Nano-emulsion based edible coatings of fruits and vegetables” in January 2022. Applied Food Research, 100042. (SCOPUS)
- Ms. Sarika Shukla has published a paper entitled “Impact and influence of soft skill training on the employability of engineering and management graduate and post graduate students: A Review” World Journal of Advanced Engineering Technology and Sciences, 5(1), 026–031 in January 2022.



A number of Faculty members registered for patents and copyrights during the session 2021 – 2022

Department	Faculty Members Name	Patent/ Copyright Title	Application Number	Year of Publication
EE/ECE	Dr. Ashish Malik Ms. Ranjana Singh	IoT Based Water Filter for Aquarium	202111051050	2021
	Ms. Sukhpreet Kaur Dr. Ashish Malik	Motor Bike Theft Prevention System and Method	202211025206	2022
	Mr. Amit Kumar Sinha Mr. Somesh Kumar Saxena (ASH)	An Authentication System for Doors	202111044618	2021
	Ms. Preeti Singh Dr. Ashish Malik	A Hybrid Treadmill Scooter	2021102963	2021

CSE	Ms. Shail Dubey	Drowsiness Detection System Using Raspberry Pi	202111041720	2021
	Ms. Shail Dubey Dr. Shubha Jain	Cyber Spectator (parental control app) Copyright	23619/2021-CO/SW	2021
	Dr. Abhay Shukla	International Patent: Detection of Malicious or erroneous data in training data set using explainable Artificial Intelligence Process	2021106609	2021
		An intelligent Engine based on metaheuristic and Machine Learning for Leasing and Sharing Farm Equipment	202141039665	2021
Pharmacy	Dr. Esha Yadav Dr. Ashish Malik Mr. Amandeep Singh Randhawa Mr. Rahul Dev Mr. Anoop Sachan Ms. Sadaf Arfi Mrs. Pooja Yadav Mr. Ankit Shukla	Anti-Acne Adhesive Formulation and Method of Preparation Thereof	202111055197	2021
	Dr. Esha Yadav	A Herbal Formulation Having Potential of Anti-Obesity	2021103696	2022
	Dr. Esha Yadav Ms. Ankit Shukla	A Polyherbal Formulation For Healing Wounds In Diabetic Patients	2021103946	2022
	Ms. Sadaf Arfi	Controlled Release of Docetaxel Within Functionalized Mesoporous Silica Nanoparticles For Cancer Therapy.	2021104786 (Australian Government)	2022
	Mr. Ankit Shukla	A Process For Controlled Delivery of Combination Drug(s) To Periodontal Pocket	2021102758	2022
	Ms. Ankit Shukla	A Herbal Hair Serum Composition And A Method For Producing The Herbal Hair Serum	2021102759	2022

The Influence of Gen-Z on the Fashion Industry

Fashion is dynamic and so are the generations. From Gen -X to Millennials and The GEN-Z namely, as described by the Oxford dictionary, are the people born between the late 1990s and the early 2010s. In the earlier generations, the fashion industry was the key driver. It had the power to sway the way people presented themselves, their lifestyle, social acceptance, and, to an extent, people's aspirations too.

Now the tables have turned. The GEN-Z, or digital natives, have been exposed to the internet, social networks, and mobile devices since they were very young. This hypercognitive generation has emerged from that context, able to cross reference many sources of information and integrate both virtual and offline experiences. Gen Zers are conscious of their consumption and their relationships with brands.

Now they hold the power to sway the fashion industry to fit their lifestyle and global approach. Fashion for Gen-Z is not just a way to look good and feel comfortable. They have appraised fashion beyond aesthetics. To them, fashion is a way to express their personality, values, motivations, utility, and philosophy.

There are three implications for companies related to this generation; access over possession, expression over possession, and ethical concerns related to consumption.

Focus on global trends and acceptance- Gen-Z is the first truly global generation. Their global connectedness has exposed them to various global trends, cultural values, lifestyles, and social trends. Hence, the brands have started to offer inter-

culture design concepts and a garment range that is socially diversified.

They seek “the best deal,” which comes from a combination of the quality, convenience of the purchase, and what friends are saying. The overall value proposition makes the price less or more relevant.

Brands that speak for the buyer-The Gen-Z values individual expression and avoids labels. They deploy themselves for a variety of causes. They firmly believe that dialogue can resolve conflicts and improve the world.



The brand- No Grey Area's recent collection, 'Listen to the Lies', is a satirical take on the brand's digital footprint. It includes sweatshirts, hoodies, oversized tees, joggers, shorts, and accessories.

Brand campaigns on social issues- Social justice is the expectation of this age group, they brand action and giving back.

Tommy Hilfiger's latest campaign, “Moving Forward Together,” is based on social good, aiming to help both the fashion and creative industries recover from the impact of the Covid-19 pandemic. The initial activation for AW20 asked consumers to get involved in the digital co-creation of new clothing using leftover fabrics,

There are three implications for companies related to this generation; access over possession, expression over possession, and ethical concerns related to consumption.

feeding into the brand's commitment to 'waste nothing and welcome all (as well as helping participants who were unemployed or in some way affected by the pandemic).

Gen-Z Seeks truth, brands are focusing heavily on platforms like Instagram, YouTube, Snapchat, and TikTok to educate them about products. Influencer marketing on social media has proven effective in engaging youth. In developing branded content that entertains or communicates brand values, short videos are most likely to engage this audience.

The fashion industry is facing transformative and challenging opportunities as they emerge. The industry needs to rethink the way they deliver value to the consumer, rebalance mass production against personalization, and more than ever, practice what they preach when they address marketing issues and work ethics.

By- Ms. Shruti Bajpai
(HOD - AIFT)

Crypto: Introduction to Digital Currency

Bitcoin remains the most widely traded and covered cryptocurrency. As of May 2022, there were over 19 million bitcoins in circulation with a total market cap of around \$576 billion.

In the past decade, the world of finance and banking has witnessed major innovations aided by development in the field of information and communication technology. Cryptocurrencies are one of the most exotic financial innovations. In the last five years, we have witnessed exponential growth in the value of cryptocurrencies.

To understand cryptocurrency, one has to delve into the meaning of currency. Currency, or money, is something that facilitates the exchange of goods and services between groups of people. It has general acceptability among people and is a store of value. In modern economies, the currency is backed by the central bank and is considered legal tender. Historically, gold and silver were also used as currency as they facilitated exchange and were stores of value. Over a period of time, gold and silver were replaced by currency issued by central banks, which acted as a means of payment. Slowly, cheques and drafts were used as means of payment where banks settled the transactions, playing the role of intermediary and authenticator of such transactions. With the rise of net banking, one can transfer funds, facilitating the exchange of goods. In the case of net

banking, the transactions are authenticated by banks. Thus, all the large transactions are authenticated by a third party like a bank.

Cryptocurrency is a digital currency that serves as an alternative form of payment, created by using encrypted algorithms. "Crypto" signifies various technologies related to encryption. One of the most important features of cryptocurrency is that it does not require authentication by third-party intermediaries such as banks. This makes the system of payments a decentralized one.

Cryptocurrency can be acquired by mining or it can be purchased from its exchanges. Common cryptocurrencies are Bitcoin, Ether, etc. Bitcoin remains the most widely traded and covered cryptocurrency. As of May 2022, there were over 19 million bitcoins in circulation with a total market cap of around \$576 billion.

Digital currencies promise easier and faster transfers of funds as intermediaries are not involved in authentication. The Transaction are secure due to use of cryptography and Blockchain Technology. It has given huge returns to investors. Cross-border transactions are easier.

However, central banks and governments of various countries are cautious about the regulation of cryptocurrencies as they propose two fundamental risks. The first is that they are private currency. If they replace the national currency, i.e., the rupee, they may adversely affect the ability of the Central Bank (RBI) to regulate monetary policy. For example, if people stop depositing money in banks and start hoarding cryptocurrencies, this will adversely affect the lending ability of the banks to entrepreneurs. Furthermore, by being an anonymous, decentralized, and borderless system of payment, they attract money generated by illegal activities like the narcotics trade, etc. Moreover, the crypto market is extremely volatile, which may wipe out the savings of new investors.

However, the disadvantages do not mean that a ban on cryptocurrencies is the way out. Rather, governments and stakeholders need to draw up globally accepted standards of regulation that reduce the misuse of digital currencies for illegitimate purposes and enhance the seamless flow of money, thus creating a truly global and inclusive economy.

Editor's Choice

Riddle 1 : You're at a fork in the road in which one direction leads to the City of Lies (where everyone always lies) and the other to the City of Truth (where everyone always tells the truth). There's a person at the fork who lives in one of the cities, but you're not sure which one. What question could you ask the person to find out which road leads to the City of Truth?

Riddle 2: What common English verb becomes its own past tense by rearranging its letters?

Riddle 3 : What is full of holes but still holds water?

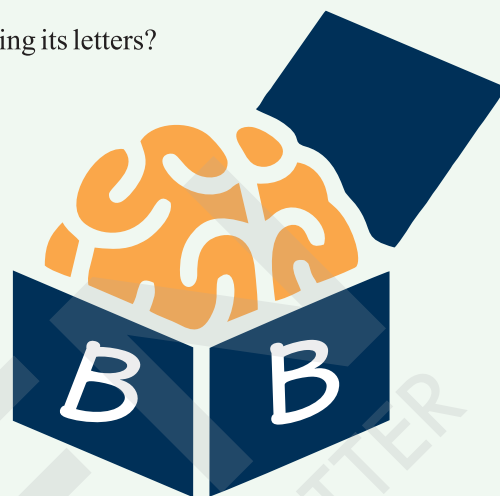
Riddle 4: What question can you never answer yes to?

Riddle 5: What is always in front of you but can't be seen?

Riddle 6: What goes up but never comes down?

Riddle 7: It occurs once in a minute, twice in a moment , but never in an hour.

Riddle 8: A man goes out in heavy rain with nothing to protect him from it. His hair doesn't get wet. How does he do that?



1

Which number replaces the question mark?

- a. 15
- b. 12
- c. 9
- d. 6

6	EJI	3
M		D
R		P
K		G
9	NRG	?

2



If gear 4 rotates counterclockwise, what is the direction of gears 1, 2 & 3?

3

Which pattern replaces the question mark?



You will get the solutions posted in your college WhatsApp groups.

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