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ABOUT US (APOLLO INSTITUTE OF TECHNOLOGY)

The Apollo Institute of Technology has been established in the year 2008 under the banner of BD charitable Educational society. The founder Director General Dr.S.P. Gupta (M.Tech& Ph.D.) from Brooklyn New York and Ex. Prof from IIT Kanpur along with Director Dr.P.N.Maheshwari (Ph.D.) from Guelph Canada, Ex.Director H.B.T.I. Kanpur has played a great role in establishing the Apollo Institute of Technology. The primary aim of the Apollo Institute of Technology is to provide the best Management and Technical education to the young generation so as to develop their skills and personality traits required for a bright future and to make them socially responsible citizens of tomorrow.

The beautiful campus of Apollo Institute of Technology is located in the outskirts of the Industrial city, Kanpur Uttar Pradesh in Block Sarsaul on NH-2 Kanpur Allahabad Highway 20 km from Ramadevi Chauraha and 28 km from Kanpur Central station. Apollo campus is spread over 35 acres of lush green and natural scenic environment. Amidst such a pollution-free and peaceful atmosphere, you can have a glimpse of being in the lap of nature which further facilitates students with quality education with a difference, Hence, "THINK DIFFERENT THINK APOLLO" seems to be true.



MESSAGE FROM SECRETARY DESK

"Change is the result of all true learning."

Apollo Institute of Technology is focused on practice-oriented teaching process and Industry-oriented education. This unique blend is helping the students to adjust themselves to the demands of the corporate world admirably well. Our students are being very well received in the job market.

The Endeavour of the AIT is to create a vibrant community and provide life-long learning experience.

We at AIT are also taking requisite steps to ensure that the students ultimately turn out to be noble human beings of the

country. The institute is actively discharging corporate social responsibility.

We at AIT provide the opportunity for students to find out the veracity of our proclamation.

Mr. Anshuman Budholia
Secretary





Dr. Shailesh Mishra

FROM THE DESK OF DEAN ACADEMICS

The exponential growth of Professional Institutions in India, although provide an opportunity for young aspirants to opt for engineering and Management career, pose enormous challenges to develop competent engineering and Management graduates with the knowledge, skills, and ethical standards for global careers, which we look towards a great opportunity to design curriculum sensitive to needs of Business and Industries, implement the curriculum through innovative blended teaching-learning methods and introduce innovative evaluation and assessment methods to ensure better learning.

My heartiest best wishes to our AIT team for making academics innovative and explorative.

FROM THE DESK OF ASSISTANT DIRECTOR ADMIN

Welcome to the Apollo family and welcome to our community of Education. Our mission at Apollo is to provide a safe, secure environment in which every student will acquire the skills and knowledge necessary to become accomplished, productive members of the ever-changing, global community. Our faculty is a very dedicated group of individuals who continue to focus on providing the best possible instruction for our students. We understand the importance of student's involvement in their college activities for greater academic achievement. Apollo offers opportunities for students to get involved outside of the classroom through sports and other extracurricular activities. We would expect that you venture beyond your "comfort zones" both inside and outside the classroom. Take maximum advantage of these facilities, participate fully and evolve into a brand yourself.

"Wishing a bright future to all students and staff."



Mr. D.C. Yadav



Ms. Reena Kaithvas

EDITOR'S MESSAGE

Warm readings to all the readers of the 2nd Edition of the AIT Newsletter!!!

It's an immense pleasure to share with you the second edition of our Newsletter. In this platform, we provide an opportunity for aspiring students and faculty to share their ideas and to extend the endurance limit of the students to develop and showcase their technical prowess and the latest innovations in the world of Technology and Management. I extend my deepest gratitude to the Chief patrons and patrons for their valuable support and suggestions to bring the best of our efforts.

WORKSHOP

SESSION BY INTERNAL RESOURCE PERSON

Mr. Madhvendra Pratap Singh

"CAMPUS TO CORPORATE"

Campus to corporate is a new and emerging way to the new world. It was organized in our college premises and the In house resource person was Mr. Madhvendra Pratap Singh who communicated the importance of communication and leadership to our students. With the help of some exercise, he explained these two facts in a well-mannered way. As we all know that communication tends to change attitudes, beliefs, and even ways of thinking of people. Communication plays a key role in everyday living. Knowledge can be imparted through communication.

It helps the student to showcase their inherent abilities professionally thereby contributing to individual growth and organizational growth at the same time. On the other hand, a person must be confident enough to ensure others follow him. The leader must have confidence in his decisions and actions. A leader must be a role model for his followers. Furthermore, he must motivate them whenever possible.



YOGA SESSION

Yoga is vital in an individual's life to make his life organized and help him to keep his body fit and mind in peace. Taking pills and health supplements does not have the same effect on the body as yoga does, and that is why yoga practitioners encourage others to avail yoga as a part of their daily routine. The International Yoga Day has helped in promoting the idea and the benefits of practicing yoga and has encouraged thousands of people and is continuing to do the same. It aims to provide mental health fitness, physical health fitness of mind, body, and soul. It also rejuvenates our bodies and keeps us calm.



SPORTS DAY

"The more difficult the victory, the greater the happiness in winning."

Sports and games are an integral part of our life and have become a way of life for a healthy and fit India. Sports play a pivotal role in the makeup of a young athlete. Where else can a young impressionable youth learn values like discipline, responsibility, self-confidence, sacrifice, and accountability and remain fit?

To mark the significance of National Sports Day, the Apollo Institute of Technology organized several activities to inculcate the feeling of true sportsmanship among the students and to enhance their physical and social skills. Our 3rd and 4th B.Tech & Diploma students have participated in various sports activities such as football, badminton, cricket, and yoga with great enthusiasm and zeal.



POSTER EXHIBITION

Apollo Institute of Technology (AIT) organized a Poster exhibition based on the theme "Social issues". These colorful pieces of art have been prepared by the talented students of AIT to highlight certain contemporary social issues requiring prime attention in today's society.

INDUSTRIAL VISIT

Industrial visits provide the students with an opportunity to learn practically through interaction, working methods, and employment practices. It gives the students exposure to current work practices as opposed to theoretical knowledge being taught in their college classrooms. Industrial visit has their own importance in a career of a student who is pursuing a professional degree. It is considered as a part of the college curriculum and the objective of industrial visits is to provide students an insight into the internal working of companies. We know, theoretical knowledge is not enough for making a good professional career. With an aim to go beyond academics, industrial visit provides the student a practical perspective on the world of work. Apollo Institute of Technology organized an Industrial Trip to Lucknow based Manufacturing Unit basically for the Mechanical students of our Diploma and B.Tech Students of Final year.



OUR ACHIEVERS

Training & Development Department looks after the Career Development and Placement Activities. Since Inception Leading Companies have been visiting on a regular basis. Some of the industry's giants such as Infosys Tech Mahindra etc. & various other companies have visited the Institute at a regular interval. Our students were Placed in the various renowned companies

SPUN MICRO PROCESSING PVT. LTD.	LNT	Mahindra	Indofarm Equipments	HCL	NTPC
 Aman Saxena Ram Sagar Abhay Singh Sumit Pal Shivan Srivastava	 Anuj Patel PRASHANT YADAV Salman Khan	 Chaitan Chaudhary Hemant Kumar Kishan Vishwakarma	 Pranav Saxena Shubham Singh Spicer Indian	 Wajid Hussain Anil Vishwakarma	
 Deepak Pandey Dharmesh Kishore Prashant Kumar Pradeep Singh Chaudhary Piyush Singh	 WALL OF FAME		 Nasir Hussain Ramu Kumar Sonu Kishore		
CONTINENTAL CORPORATE STRATEGY Gaurav Pandey Rohit Katiyar Arshi Parveen Pooja Kumari Shalish Kumar Dharendra Kumar Shambhu Kishore Harshit Singh Akshat Khanna Anand Yadav Himanshu Yadav Krishna Mohan Srivastava Atul Singh	BAJAJ Abhishek Pratap Shiva Seroj Ritu Housing Ltd Mohd. Sameer	Caparo Fasteners Maruti Anurag Sahu Arvind Kishore Ashish Kumar Durgesh Kishore Krishna Kumar Rutdeep Kumar Manish Chaudhary Ravishank Pandey Rohit Kishore	GAIL Rahul Dubey Reliance Digital Mohd. Hasan India Thermit Pawan Shukla Bharat Petroleum Ratnesh Pal		

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Happy Reading ...

COLLEGE ACHIEVEMENTS

PRATIBHA SAMMAN

Every year "PRATIBHA SAMMAN" program was organized under the concept to felicitate the students who topped the merit list in the various programs running under one roof of APOLLO INSTITUTE OF TECHNOLOGY rewards and recognizes the meritorious students to promote and nurture education and its importance in one's life as it motivates the student to give their best effort and also to make their parents proud for having such fabulous children who can meet with the milestone. It was held recently on 12th May, 2022 under the Aegis of Apollo Institute of Technology, Kanpur to congratulate all meritorious students.



TABLET DISTRIBUTION PROGRAM

Under U.P. Government Scheme "DIGI SHAKTI" the Tablets were distributed in Apollo Institute of Technology recently on 12.05.2022 to most of the students of various courses i.e. B.Tech, MBA and Diploma and the renowned Guests were Mr. Satish Mahana, (Minister & Speaker of Legislative Assembly), Mr. Aseem Arun, (Hon'ble Minister Of State, Independent Charge)). The function begins with Lamp Lightening and it proceeds with the invigorating speech of Mr. Satish Mahana. The Aseem Arun Ji has also thanked the college for the warm welcome and also speaks about advancement in technology as well as the advantages of tablet distribution initiative by U.P. Government in student's career. Later on Secretary B.D. Charitable Educational Society, Mr. Anshuman Budholia has also spoken about the historical event of the college and also showed his gratitude towards our chief guest for investing their precious time out of their busy schedule. The tablets were distributed by our Chief guest and Guest of Honor. Thereafter, Pratibha Samman function was started and there the students who are excellent in academics were awarded by our Chief guest. Then the photo session has been done. The students were very excited and showed their reverence towards the college and guests. The media person conducted interview of our guests. The function proceeds with the high tea and dinner for guests, students, faculties and volunteers. This was really a historical and grand function where every one has actively participated.



STUDENT'S ACHIEVEMENTS

Arvind Kumar
Python MPC
(B.Tech CSE-2nd yr)

Yashav Shukla
Web development Certificate Course, Android App
Development Certificate Course (B.Tech CSE-2nd yr)

EXPERT TALK

A Guest Lecture was conducted on 16th February 2022 for the Students of all branches of B.Tech, Diploma & MBA and the eminent speaker was Dr. Chitranjan Mahapatra, Fixed Term Scientist, Paris. The Topic was "COVID-19 & MENTAL HEALTH". The speaker explained the best way to cope with mental health after Covid-19.



AIT organizes the webinar on "PRESENT AND FUTURE OF IoT & ITS REAL-TIME APPLICATIONS" on 11th February 2022. The Guest Speaker of this expert talk was Ms. LALITA MISHRA, IIIT, Allahabad.

PLACEMENT

Training & Development Department looks after the Career Development and Placement Activities. Since Inception Leading Companies have been visiting on a regular basis. Some of the industry's giants such as Infosys Tech Mahindra etc. & various other companies have visited the Institute at a regular interval. The transformation process of students into Engineers, Managers is exemplified by the enthusiasm shown by the corporate world in our students. We are committed to achieving cent percent placement of students. The trust and belief, the corporate and business world have shown in our students, reflect the high quality of education being imparted to our students. The bond that the Apollo Institute of Technology shares with the corporate world, is becoming stronger year by year, Apollo Institute organizes Placement drive throughout the year in which the corporate world shows a lot of interest, as they always need new crops of budding Engineers and Management, Apollo Institute of Technology has been awarded for the best placement by the famous organization, "ECONS INDIA".

ALUMINI MEET

Apollo Institute of Technology organized "ALUMNI MEET 2022"- named "IMPRINTS" a programme to facilitate, consolidate and coordinate Alumni Activities at AIT College of Engineering at LIVE SPOT in Academic Block on 24th April, 2022 at Apollo Knowledge Park. The alumni meet was organised with the aim to reconnect with the Alumni and celebrate their success and various achievements. The Alumni started arriving in college by 4.00 p.m. and they were received by the registration team and they have been asked to fill the registration form. The Alumni Meet started with a welcome address by the Anchor. The meeting was graced by Mr. Aryamaan Budhaulia. During the interaction session with the alumni.

- They planned to add different passed out batches.
- About updating database of the alumni association.
- To take Alumni Feedback. Alumni also interacted with the students and gave career guidance regarding higher studies and placements. Students asked many questions regarding placements and the alumni shared their views.

BUILDING ENTREPRENEURSHIP SKILLS IN STUDENTS

"Success is not final, failure is not fatal: it is the courage to continue that counts." - Winston Churchill

In the current scenario, utmost of the countries are facing profitable challenges across the globe, thus it has come most important to concentrate on the lesser entrepreneurial exertion being incorporated by the governments. There's a direct relation between entrepreneurial exertion and profitable development. Governments across the globe are largely feting the positive impact of new businesses on employment situations and other social and profitable growth. Entrepreneurs and businesses form an essential part of society and Entrepreneurs plays an important part in bringing up society in terms of profitable growth. India being a developing country requires further and further successful youthful entrepreneurs to meet the growing requirements of the country. Youthful scholars have the ineluctable power of doing effects with great courage. The scholars of the present generation lookout to come to their own heads and aspire to construct new effects. It's the responsibility of the education system and the parents to motivate youthful applicants to come, entrepreneurs. Entrepreneurship must be made an essential part of education just like wisdom, mathematics, technology. Entrepreneurship is a way of thinking that identifies new openings and solves problems. It isn't confined by the boundaries of the present and finds a connection rein the future. It's vital for all scholars to develop and gain entrepreneurial thinking chops right from their seminars.

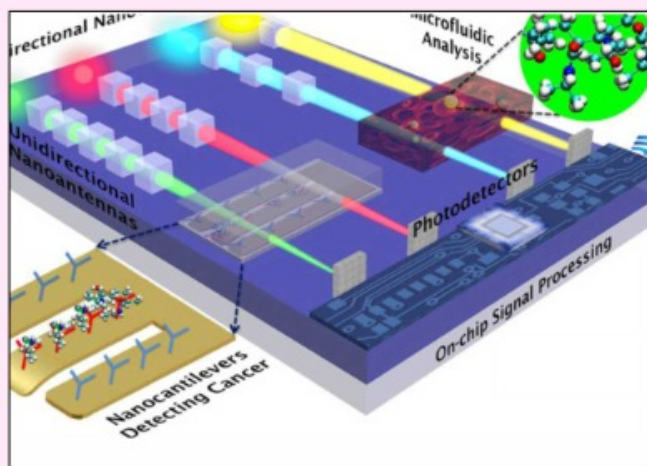
There are 3 important reasons to inculcate entrepreneurship thinking chops in scholars.

1. Entrepreneurship chops are needed to succeed in this world of complexity
2. Entrepreneurship thinking chops enhance the value of the knowledge attained from various disciplines. It brings out results to complex problems by integrating the knowledge gained and thereby transforms knowledge into value.
3. Entrepreneurship thinking chops are attainable and doing this at the before stage will help in to master it.

Ms. Reena Kaithvas



NEMS (Nano ElectroMechanical System)



NEMS (Nano ElectroMechanical System) are devices that integrate electrical and mechanical functions at the Nano scale, i.e., at or below 100 nanometres. NEMS typically integrated transistor-like Nano electronics with mechanical actuators, pumps, or motors, and may thereby form physical, biological, and chemical sensors. The name is derived from typical device dimensions in the nanometre range, high mechanical resonance frequencies, leading to low mass, potentially large quantum mechanical effects such as zero point motion, and a higher surface-to-volume ratio useful for surface-based sensing mechanisms. NEMS have developed the technologies in sensors for finding force detection, mass spectrometer, inertial imaging, calorimeter, charging sensor device, broad spectrum of fields and include the non-linear dynamics. NEMS has achieved unprecedented measurement sensitivity i.e. low power consumption, fast

time response, large dynamic range, high quality factor and low mass. NEMS is necessary to precise the description of material properties at the Nano scale , for optimized system functionalization and design. Some drawbacks of the NEMS is highly complex, multi-steps and expensive fabrication process. The electrical and mechanical systems working together better performance. NEMS are have very good field in present scenario. NEMS would be economically most interesting but are most hard to be commercialized. NEMS would have direct results for wireless communication technologies in the upcoming future.

Prakanksha Shukla

Electronics and Communication Engineering

FROM STUDENT'S CORNER

Technology: Boon or Bane

Technology is a blessing for humans, it helps us improve our lives and make things easier. It has proven to be helpful in various fields like Education, Medical, and Agriculture. It is one of the greatest inventions of humankind; it has helped to keep the world connected. Human can't imagine their life without technology.

If technologies are making us slaves and we are getting fully dependent on it then obviously it is cursed. One of the great disadvantage of that students have become so dependent on technology that means they are not able to use their own brains. They have become slaves to technology, because they can just "Goggle it" or "Smartphones" and second is Kids are not spending enough time with their family and friends. They like to connect virtually with people, sharing their life like photos and texting online.

If our new generation is getting too much attached to the technology that they are dependent on internet and it will decrease their passion towards searching new things.

The overall conclusion of technology is if we use it in a controlled manner and it is used for construction then it is a Boon otherwise if we used for destruction then it is a Bane.

NAMRATA SHUKLA

BTech (CSE) 3rdyear



Impact of IOT Technology on Education in Embedded Classroom

According to my knowledge, 83.2% of all 12- to 17-year-olds have a smartphone. additionally, 73.0% of parents said their kids had a smartphone between ages 11 to 13, and 31.0% said their kids had one between ages 6 and 10.

The rise of mobile technology and the IoT is having a huge impact inside and outside the classroom.

Insider Intelligence has outlined popular IoT education examples, including the uses of the IoT in higher education, the future of the internet in education, and remote learning.

The rise of mobile technology and the IoT allows schools to improve the safety of their campuses, keep track of key resources, and enhance access to information in the learning environment. Teachers can even use this technology to create "smart lesson plans," rather than the traditional stoic plans of previous year.

Additionally, Smart classes— an education app available via the Apple Store and Google Play, MI store, Microsoft Apps Store —allows parents to see student schoolwork via photos and videos. Smart Class is used in 95% of all schools all over India and 9 countries and messages can be translated into 22 languages automatically.

IoT in Education during Coronavirus

In 2020, schools around the world closed or halted in-person instruction to mitigate the spread of the coronavirus. Caught in the middle of the year, teachers and students were forced into danger mode—and leaned heavily on the IoT to facilitate the shift to structured remote learning.

YASHAV SHUKLA

CSE- 2nd Yr

