

# IPS ACADEMY

INSTITUTE OF ENGINEERING & SCIENCE

*A UGC Autonomous Institute Affiliated to RGPV Bhopal*

UNDER THE AEGIS OF THE LATEST GUIDELINES ISSUED BY THE  
**ALL INDIA COUNCIL OF TECHNICAL EDUCATION, NEW DELHI**

## INDUCTION REPORT SESSION 2021-22



**IPS ACADEMY**

THE KNOWLEDGE KINGDOM

# REPORT CONTENTS

<b>1. OBJECTIVE</b>	<b>01</b>
<b>2. SUMMARY</b>	<b>02</b>
<b>3. AT A GLANCE</b>	<b>03</b>
<b>4. PHYSICAL ACTIVITY</b>	<b>04</b>
<b>5. CREATIVE ARTS &amp; CULTURE</b>	<b>05</b>
<b>6. MENTORING AND UNIVERSAL HUMAN VALUES</b>	<b>06</b>
<b>7. FAMILIARIZATION WITH COLLEGE AND DEPARTMENT</b>	<b>07</b>
<b>8. LITERARY ACTIVITY</b>	<b>10</b>
<b>9. PROFICIENCY MODULES</b>	<b>11</b>
<b>10. LECTURES &amp; WORKSHOPS BY EMINENT PEOPLE</b>	<b>12</b>
<b>11. VISITS TO LOCAL AREA</b>	<b>15</b>
<b>12. EXTRA CURRICULAR ACTIVITIES IN COLLEGE</b>	<b>16</b>
<b>13. PHOTO GALLERY</b>	<b>17</b>
<b>14. INDUCTION PROGRAM COMMITTEE</b>	<b>Close</b>

# OBJECTIVE

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Purpose and the objective of this Student Induction Program is to help new students adjust and feel comfortable in the new environment, we try to inculcate in them the ethos and culture of our IPS Academy Institute of Engineering & Science, We help them to build bonds with other students and faculty members, and expose them to a sense of larger purpose and self exploration.

The term induction is generally used to describe the whole process of how to adjust to new college environment or acclimatize to their new roles in this new college life. In other words, our institutions orientation program is well planned event to educate the new entrants about the environment in our institution, and connect them with the people in it.

Our student induction program engages with the new students as soon as they come into our respective institution; regular classes start only after that. At the start of the induction, the new students learn about our institutional policies, processes, practices, culture and values, and their mentor groups are formed. Then the different activities start, including those which are daily.

# SUMMARY

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When a fresh batch is to enter our premises, it is our duty to not only provide them with an incubation to know the institute well, but also a stage where they can be their own selves, have the liberty to gel with others and know how their next four years are going to be like.

In order to do the same, we designed various activities such that the students get to learn new things, know about the rules, regulations of the Institute along with their rights and privileges, as well as unleash their potential to new horizons.

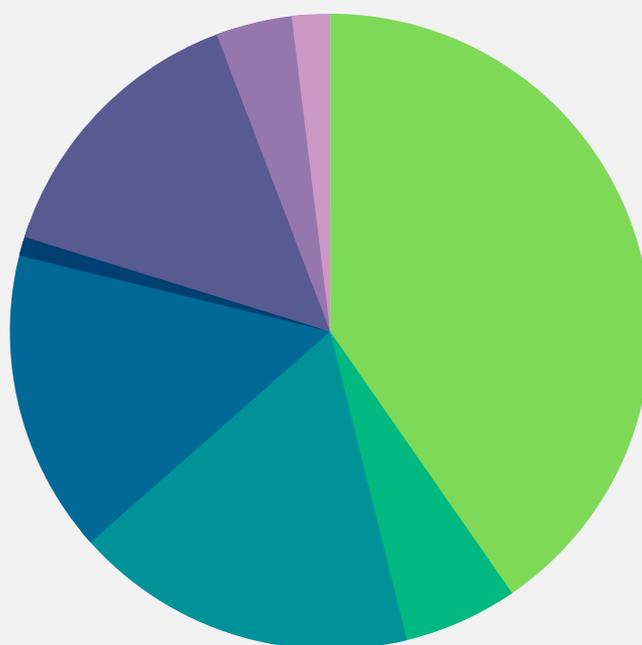
The entire Induction Programmed followed the directives from All India Council of Technical Education, which suggests that the activities must include

- Physical Activity
- Creative arts & culture
- Mentoring and universal human values
- Familiarization with college and department
- Literary activity
- Proficiency modules
- Lectures & workshops by eminent people
- Visits to local area
- Extra curricular activities in college

Various activities included address by honorable Principal of IPS Academy Institute of Engineering & Science, Dr Archana Keerti Chowdhary to give the students a warm welcome and insight of forthcoming years. The Induction Program for 2021 Batch at IPS Academy Institute of Engineering & Science took place between October 25 and November 13, 2021.

# AT A GLANCE

The chart given below shows a collective glimpse of activities undertaken during the Induction Program. As it can be comprehended, a plethora of activities were performed for the incoming batch, however, only a few could be conducted involving visits to local area and physical activities, in wake of Covid-19 precautions.



- Familiarization with the College/ Department
- Creative Arts and Culture
- Extra Curricular Activities
- Local Area Visits
- Guest Lectures and Workshops
- Proficiency Modules
- Literary Activities
- Mentoring and Universal Human Values

# PHYSICAL ACTIVITY

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## **Field Training for Fire Technology & Safety Engineering Branch**

The induction program for first year students was followed by field training specifically to the Fire Technology & Safety Engineering branch. The objective of this field training is to familiarize the students with fire fighting drills such as squad drill, position and marching, three men and four men hydrant drills, ladder drills etc.

The session was providing useful inputs on the aim of drill principles of good instruction and conduction methodology of drills. An overview of squad formation, march in slow and quick time, marching in single file and practice on word of command also brief by the drill instructor.



*Students practicing a fire safety drill*

# CREATIVE ARTS & CULTURE

A few activities carried out during the induction program included **Open Mic** and **Get to know Your Friend**.

Where Open Mic focused on giving students a chance to perform on the stage by way of poetry, storytelling or sharing any insightful incidences, two letter offered students a platform to interact with each other as they were meeting for the first time.

More often than less it is seen that freshers find it difficult to strike a conversation among themselves when they need it the most. A student may want some help with an assignment or might have joined the college late or would simply want to mingle up with others because he is not the one who stays alone. Except incidences not all the students are able to break the ice and start a conversation. The activity of get to know your friend help the students to exchange pleasantries and have basic conversations in order to create a friendly environment once they enter the academic classroom.



*Students attended the session about opening up to others in order to develop better interpersonal relations*

# MENTORING AND UNIVERSAL HUMAN VALUES

## **Activity by Dr Rachna Bairagi, Humanities Department**

Asst. Prof. With 10 years of experience in the academic background M. A. And M.Phil English and pursuing PhD in English.

The purpose of the lecture was to motivate students with success stories of successful personalities. This shows how hard work and firm determination helps the students to achieve goals in life.

## **Expert Lecture on “Dream to Dare” by Ms. Ruby S. Malhotra**



*Ms. Ruby S. Malhotra*

She shared her vision for better world and also motivated the students for startup and live their dream to fullest and gave the beautiful example on how “MBA Chaiwala” has expanded his business. She also explained how by dreaming big one can easily achieve his/ her dreams just we need to dare that we can complete our goals.

## **Session on “ Universal Human Values” by Dr. Sandeep Atre**

Another insight for session was conducted by Dr Sandeep atre, who is the Founder of Sociallignence- a venture specializing in development of ‘Social & Emotional Intelligence’

through its e-learning course rooted in neuroscience & psychology. Dr atre highlighted a few important human values that are slowly diminishing from our society. These values namely- initiative, equality, sensitivity, resilience and empathy. Each of the value was explained to the students with the help of a very interesting video, which actually was able to make a mark in their minds.



*Dr. Sandeep Atre*

# FAMILIARIZATION WITH THE INSTITUTE AND DEPARTMENTS

Important addresses and sessions were conducted by various dignitaries of the college for the students to help them understand the institute in a much better and clearer way.

## **Welcome Address by Honorable Principal**



*Welcome Address by Principal  
Dr Archana Keerti Chowdhary*

Dr. Archana Keerti Chowdhary, Principal at IPS Academy Institute of Engineering & Science opened the program with a warm welcome address. She said technical education is the most potential instrument for socio-economic change. Presently, the

the engineer is seen as a high-tech player in the global market. Mam also spoke about various policies and infrastructural facilities.

## **Address by Dean Student Welfare Dr. Keerti K Chowdhary**

The Institute has a special counseling center operational under the Dean of Student Welfare, which caters to the mental well being of the students. Dr Keerti Chowdhary discussed the vitals of **Student Counseling Centre** which helps in wellbeing of all students, to improve their quality of life and create a learning environment that facilitates their individual development.

## **Address by Dean Academics Dr. A G Kothari**

A. G. Kothari retired as a Senior Professor of EEE, Department from VNIT Nagpur in June 2013. The purpose of his lecture was to introduce the grading system and the autonomy of the college and how it will be helpful to the students for the next four years. This shows how hard work and firm determination helps them to achieve goals in life and also discussed the merits of autonomy.

# FAMILIARIZATION WITH THE INSTITUTE AND DEPARTMENTS

## **Address by Dean Administration Dr. Rajesh Kaushal**

Dr. Kaushal is the Head of Chemical Engineering Department, professor and in-charge of Discipline and Anti Ragging Committee, Member of tutorial board of IPS Academy Institute of Engineering & Science. He is also the Dean Administration in the Institution. Dr. Rajesh Kaushal discussed about the responsibilities of various deans of IPS Academy Institute of Engineering & Science and also about the Student Section, Scholarship section, Attendance section.

## **Address by Dean Research & Development Dr. Amit Sharma**

Sir delivered his lecture on research and development. He provoked the student for starting research and how to write research paper and publish them. He advised young engineers to face the major challenges of construction industry with a relentless search for innovation of achieving economy and improved durability of structures by constantly upgrading the technology with optimum use of materials, equipment and human resources.

## **Session with Dr. Manoj Dubey, Incharge for First Year, General Engineering Department**

Sir started his lecture by introducing First Year Engineering Department and how it plays an important role in teaching basic science and humanities courses to engineering students of all branches. Sir also discussed that the first year engineering department has been an essential part of the institute since the year of its inception and is supported by a team of qualified and experienced faculty members and support staff for its smooth and efficient functioning by providing quality education and training to the students.

# FAMILIARIZATION WITH THE INSTITUTE AND DEPARTMENTS

## **Interactive session between students and Placement In Charge Ms. Pooja Bhatt**

Ms. Pooja Bhatt delivered a lecture on how the Training & Placement Cell of IPS Academy Institute of Engineering & Science strives for encouraging and helping each student to grow and progress by achieving a clear understanding and acceptance of one's strength, interest, abilities, weaknesses, skills and values, helping each student to understand the opportunities open to them and the required input for the goal one sets.

## **Ek Bharat Shrestha Bharat by Mr. Rupesh Dubey**

An interesting session took place including discussion about various cultural and historical places of Madhya Pradesh,

like Saas Bahu Mandir, Sanchi Stoop. Panchmari, Bheda Ghat etc. He also explained about Various Rituals, Lok Geet, Lok Nartya . Representatives from the State of Nagaland joined us through internet to give students a glimpse of culture, history

and geography of the state. This included sharing knowledge about their climate, various flora and fauna found in the state and important dates.



**In addition to this,** there were addresses by coordinators of respective departments viz. fire technology Department, civil Engineering Department, chemical Engineering Department, computer Science Department, Mechanical Engineering Department and et cetera.

# LITERARY ACTIVITY

Nothing can be more rewarding than seeing students participating in literary activities as enthusiastically as they do in other fun activities. Humanities department at the institute curated some activities for the students which helped them boycott their fear of stage and explore their thoughts in varied directions.

**Department of Humanities** conducted activities which resulted in learning English through funny videos and impromptu writing competitions. Along with this an extempore competition was conducted where students had to take initiative of coming to the stage and speaking from the chit day chose. One underlying result of this activity could be seen as some students who did not seem not very confident about coming onto the stage still felt like they could do it because others were doing it. This gave a lot of student the boost to take a step of initiation.

Another important session was conducted to help students understand how to speak confidently in seminars and presentations. Getting over the fear of stage and breaking the shackles of self doubt play an important role in developing confidence in students. The session was concluded with students getting to clear their doubts about the topic. Another interesting tutorial was done by acquainting students with Spoken Tutorial. Students visited the Spoken Tutorial Website and explored the how it can be beneficial to them in learning and speaking English more confidently.



*Students taking part in an activity*

# PROFICIENCY MODULES

We know that every student is different and they come from varied academic backgrounds. In order to bring them on an at least equitable level, it is of high importance that they are given some crash courses to develop the basic understanding about certain subject areas.

## Fundamentals of Essential Topics

Lectures on basic courses for Civil Engineering, Chemistry and daily life, basics of Engineering Mathematics, basics of Engineering Physics, Introduction to Water Resource Engineering, Structure Planning & Design, History of Civil Engineering, Basics of Data Science, Artificial Intelligence and Machine Learning, Computer Hardware installation and performing OS partitioning.

## Special Lectures

In order to help students overcome some critical lacunas that they might have, proficiency modules were arranged so that students do not start lagging behind or failing in several subjects. Special lectures were scheduled on topics like recent trends in automobile sector, usage and insights of a **CNC machine, 3D printer**, various software of planning and designing.



*Lectures on various fundamental topics were delivered*

# LECTURES & WORKSHOPS

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## BY EMINENT PEOPLE

Various lectures for delivery by eminent speakers from across the city and fraternity and special personalities on topics.

### **The Golden Era of College Life by Dr. Keerti K Chowdhary**

Dean Student Welfare Dr. Keerti Chowdhary interacted with students quoting his experiences as an engineering student as well as a professor of the same. Sir highlighted the importance of the four years a person spends during his graduation, how it is a stepping stone to paving a concrete pathway for his future.

### **Be Ready for the Future by Mr. Pratyush Motwani**

Mr Pratyush Motwani from the Civil Engineering Department spoke to the students sharing the importance of time management, how to make the best of present time and not procrastinate things and how it helps in creating an action plan helps one achieve his goals timely and effectively.

**Mr. Sunil Saghitra** who is an IES officer with the Indian Railways shared his knowledge about scope in civil services and shared important advice for preparing for these competitive exams.

**IES alumina Yash Soni** who is currently a short films and ad director spoke about skills required to become a better speaker or conversationalist.

### **Expert Lecture on Crypto & Blockchain Development**

Ms. Krati Jain (Alumni of CSE) took a lecture on the upcoming concept of Crypto & Blockchain Development. Crypto is emerging as a new dawn in the economy. Ms Jain educated the students with the merits and demerits, things to keep in mind and etc.

# LECTURES & WORKSHOPS

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## BY EMINENT PEOPLE

### **Session with Dr. Sheetal Solanki on Physical Health**

Also, an expert lecture on Physical Health was delivered by Dr. Sheetal Solanki who is an Ayurveda Specialist at the Ayush Wing of District Hospital Indore. He shared his views with the students about what should be an ideal daily routine and what kind of food intake is necessary for every youth. With a rise in the amount of unproductive time and screen time, it is vital for the students to take care of their physical health and do to at least half an hour of exercise everyday. Dr Solanki also added that it is important for young adults to know about what is their nutritional intake and what kind of food should they try to avoid.



*Dr Sheetal Solanki*

### **Expert lecture by Ms. Aditi Mishra Tyagi**



*Students engaging in the seminar with Ms Aditi Tyagi*

Ms Tyagi beautifully explained the importance of entrepreneurship in India and how students can venture onto the entrepreneurial journey and what does it mean to be an entrepreneur in today's India. She gave some of the important examples on the start-up which lead to an extra ordinary successful business like Mumbai Dabba Wala, Mba Chai Wala and many more. She also explained how the start-up and new ideas of students can help them to build their own career. She concluded her lecture by interacting with the students and also involving them in the activity of sharing their start-up ideas.

# LECTURES & WORKSHOPS

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## BY EMINENT PEOPLE

### **Management in Indian Ethos by Dr. Ruchita Shandilya**

Dr Shandilya explained the Indian Management system by taking examples of Six Sigma Certificate , Mahendra Singh Dhoni and also highlighted the thoughts of Bhagwad Geeta. Her lecture was an



*Dr. Ruchita Shandilya*

interacting lecture with the students and also involving them in the activity of sharing their start-up ideas or in other words students actively participated and gave their view point's Mumbai attack how it was related to the management system, how the staff managed to safeguard themselves and the guests.

### **Expert Lecture by Dr. Lalit Singh**

Vice president, Teliolabs. Dr. Lalit Singh has experience of more than 16 years in Sales and Marketing. He delivered the lecture on Entrepreneurship Green Technology. He explained the importance of green technology and how it is beneficial for the young entrepreneurs for their start-up and new ideology. In his lecture he also explained the growing demand of green technology day by day the world of start-up and business as well. In his lecture he state that your success will speak for itself he also explained importance of green technology for the development of the country. He spoke about TELIOLABS also he told that they scale themselves more than a technology platform providing telecom and enterprise management services.



*Dr. Lalit Singh*

# VISITS TO LOCAL AREA

## **A Visit to the Waste Management Zone at the Campus**

The institute is working on concept of zero waste policy. All the waste is get collected in waste management zone, where plastic waste is sent to agglomeration plant. The biodegradable waste is sent to composting unit. The institute has in-house sewage treatment plant for grey water treatment. Also there are automatic taps & toilet flushes in washrooms to reduce water wastage. There is rain water harvesting facility. The institute is working on green building concept.

The students were taken for a visit to the plant area where the necessary processes take place. Learning about how the daily waste can be utilized in order to reduce pollution and contamination and in turn giving something of value to the environment was a crucial part of this visit.

This also helped the students to understand the importance of technical education for application in daily life.



*L: Picture showing the Waste Management Zone at IPS Academy, R: Conversion of waste into manure*

# EXTRA CURRICULAR ACTIVITIES IN COLLEGE

## **Session on Club Activity**

The session of club activity was also kept for students. Where they can develop and further enhance their literary skills. The club activity also aims to help students develop their soft skills and build confidence. Various activities those were organized under these clubs like Story Weaving Activity, Mock Placement Drive, Paper bomb Activity, Word Jam Activity, Debate, Seminar on Soft skills development, etc.

## **Mentor Mentee Interaction**

Mentors and Mentee of each branch interacted with the students, to understand their problem and try to solve it. They also guided the students about their branch and subjects. Mentors and Mentee also tried to calm the students as they are stepping into the journey of their life and they might face many ups and downs.



*Mentor Mentee Interaction session in progress*

## **Session by Sarfarosh Group**

The session was conducted by Yash Soni. This group sarfarosh performs nukkad natak and many more extracurricular activities. He interacted with the students and motivated them to be the part of the Sarfarosh. He tried to enhance the student's capability of acting, dancing, drama and also nukkad natak.

# PHOTO GALLERY



*Welcome Address by Principal  
Dr Archana Keerti Chowdhary*



*Expert lecture by Ms. Mamta Bakliwal*



*Entrepreneurship with Green Technology  
by Lalit Singh*



*Dream to Dare by Ms. Ruby S Malhotra*



*Lecture on Crypto & Blockchain Development by  
Ms. Krati Jain*



*Management in Indian Ethos by  
Dr. Ruchita Shandilya*



*Students attending one of the sessions at the  
Induction Program*



*Field Training for the Fire Technology & Safety  
Engineering*

# INDUCTION PROGRAM

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# COMMITTEE

**Dr Manoj Dubey, In Charge, First Year  
Coordinator, Induction Program**

**Branch Co-ordinators  
Department of General Engineering**

Mr. Harshit Jain  
Mr. Arpit Sethia  
Ms. Neha Yadav (CSE)  
Dr. Sanjay Jain  
Ms. Vandana Dubey  
Dr. Nuzhat Sardar  
Mr. Indra Kumar Shah  
Ms. Akshika Verma  
Mr Prashant Sharma  
Dr. Neha Yadav (Maths)  
Ms. Angita Hirwe  
Dr. Rupali Chaturvedi  
Mr. Sharad Jain  
Mrs. Neetu Shrivastava  
Mr. Rahul Pal  
Dr. Nadeem Ansari  
Dr. Dharmendra Choukse

Ms. Laxmi Rajani  
Dr. Ashish Soni  
Ms. Ritumbara Chauhan  
Dr. Savita Dubey  
Ms. Vasudha Sharma  
Dr. Smita Karmankar  
Mr. Dharmendra Yadav  
Ms. Smita Patil  
Dr. Yogendra Singh Dohare  
Mr. Deepesh Bhati  
Dr. Sumit Bhatiya  
Dr. Varsha Sharma  
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Ms. Priyanka Joshi  
Mr. Manoj Raut  
Mr. Jayant Khede  
Dr. Rina Tiwari

**Report Design  
Vasundhara Kanojiya**

Department of Training & Placement

*Knowledge, Skills & Values*



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THE KNOWLEDGE KINGDOM

**INSTITUTE OF ENGINEERING & SCIENCE**

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