

Report

# **STUDENT INDUCTION PROGRAM**

**(For B.Tech. First Year Students)**

## **SESSION 2020-21**

**Conducted By**

**DEPT OF GENERAL ENGINEERING**

*Cordinator*

*Dr Manoj Dubey*



**IPS ACADEMY**  
**INSTITUTE OF ENGINEERING & SCIENCE**  
**(A UGC Autonomous Institute, Affiliated to RGPV)**  
*Knowledge, Skills and Values*

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## ***Schedule***

### **25 October 2021**

*Session 1: Activity by Respective Department*

*Session 2: Address by First Year Coordinator of Respective Department*

### **26 October 2021**

*Session 3: Address by First Year In-charge*

*Session 4: Address by Principal*

### **27 October 2021**

*Session 5: Expert Lecture*

*Session 6: Address by Dean Academics*

### **28 October 2021**

*Session 7: Activity by Humanities Department*

*Session 8: Address by Dean Administration*

### **29 October 2021**

*Session 09: Session on Training and Placement*

*Session 10: Expert Lecture on Universal Human Values*

### **30 October 2021**

*Session 11: Ek Bharat Shrestha Bharat*

*Session 12: Address by Dean Research and Development*

### **8 November 2021**

*Session 13: Expert Lecture*

*Session 14: Lecture on Basics of Engineering Chemistry*

**9 November 2021**

*Session 15: Expert Lecture*

*Session 16: Session for Waste Management by Chemical Department*

**10 November 2021**

*Session 17: Expert Lecture*

*Session 18: Mentor and Mentee Interaction.*

*Session 19: Lecture by Humanities department*

**11 November 2021**

*Session 20: Lecture on Basics of Mathematics*

*Session 21: Expert Session*

**12 November 2021**

*Session 22: Expert Lecture*

*Session 23: An Activity by “Sarfarosh” Group*

**13 November 2021**

*Session 24: Lecture on Basic Physics*

*Session 25: Expert lecture*

*Session 26: Club Activity*

### ***Objective of Induction Program***

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.

## ***Introduction***

IPS Academy Institute of Engineering & Science is established to train graduates in their respective branch/ department of study, have an exciting, knowledgeable outlook towards their life, and have a desire to work for national needs and beyond. Our institution has planned of three-week induction program for the under graduate students entering our engineering institution, right at the start.

This induction program helps the new comers to understand their interest and study well in their respective branch. As engineering is one of the important programs to deal with real life problems. Being new students of the institute we as a faculty or as their guide try will provide full support to them. This three week induction program will be conducted in three different week. These three week are as follows:

- **First Week:** As per the government guidelines for Covid-19, online sessions were included in the first week of the induction program. More than 500 students of the institution participated in the online session of the induction program. The following lectures/events were delivered in the online session:
  - Address by Principal
  - Address by First year In-charge
  - Address by Dean Academics/ Administration/ R&D/ Student Welfare
  - Address by Heads of the Respective Departments
  - Literary Activity
  - Eh Bharat Shreshatha Bharat
  - Universal Human Values

The students were introduced to the norms and policies, rules and regulations of the institute in an interactive online session. Honorable Principal Madam as well as Deans also shared their views. They guided the students how to develop themselves in the college environment and in the new journey of their life. Apart from these sessions, there were some expert lectures and motivational sessions.

- **Second Week:** In the second week of the induction program, Diwali holidays were planned for the students. In the Diwali holidays students had not only enjoyed the holidays but were also given with the few assignment and activities regarding:
  - Art and craft
  - Language proficiency module
  - Literary Activity
  - Creative Arts and Culture

Those students who had deficiency in English background that was included under Proficiency Modules. So they could enjoy Diwali Vacation and also be in touch with us. When they met us after the vacation, they performed all those activities which were given during the program.

- **Third Week:** According to the new guidelines of the government regarding Covid-19, students could participate in the offline session. So, in the third week of the induction program, they attended the offline session like
  - Group Activity
  - Mentor and Mentee Activity
  - Familiarization with College, Dept. /Branch
  - Lectures & Workshops by Eminent People
  - Visits in the Departmental Labs

- Extra-Curricular Activities in College
- Lecture given by Experts

This induction program not only tried to make the students comfortable in their new environment but we tried to open them up. We prescribed a healthy daily routine for them, and created a healthy bond between the batch as well as the faculties and students. Our Student Induction Program is well designed to help new students understand the entire process of their upcoming journey; hence it is taken very seriously by our institute, as it is much more than just an orientation program.

Finally, we took feedback from the students about the induction program. What do they feel about the different sessions of induction or how fruitful and beneficial it has been for them.



## Sessions

### **Session 1: Activity by Respective Department**

Students study in their respective departments from the second year, so it is also necessary for the students to be familiar with their respective department.

In this connection the coordinators of various departments introduced the students to their respective departments and departmental activities.

Apart from the introduction to the department and their faculty members, visits were also made to the department and their various laboratories to make them feel more comfortable in the college environment.

### **Session 2: Address by First Year Coordinator of Respective Department**

This session basically design for students so that student gets familiar with their respective class coordinators, if they have any problems they can meet with coordinator to solve their problems. The session was totally interactive session for the students.

### **Session 3: Address by First Year In-charge: Dr Manoj Dubey**

Sir started his lecture by introducing the first year engineering department and explained how it plays a vital role in teaching basic science and humanities courses to engineering students of all branches. The purpose of applied sciences in engineering studies is to lay a strong foundation in the minds of the learners from the basic principles of various disciplines such as mathematics, physics, chemistry and communication skills, so that they carry on



for the rest of their years of study. Labs of General Engineering are not only well established to cover the full syllabus, but also inspire students to learn beyond the curriculum which develops the practical and theoretical of the subject and the skills of the students to become promising engineers.

In his lecture sir also discussed that the first 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.

#### **Session 4: Address by Principal: Dr Archana Keerti Chowdhary**

Honorable Principal ma'am started the lecture pointing why the students are important and the importance of technical education in their upcoming journey. She said technical education is the most potential instrument for socio-economic change. Presently, the engineer is seen as a high-tech player in the global market. Distinct separation is visible in our education between concepts and applications. Most areas of technology now change so rapidly that there is a need for professional institutes to update the knowledge and competence.

She said Institute of Engineering and Science, IPS Academy is a leading, premium institution devoted to imparting quality engineering education since 1999. The sustained growth with constant academic brilliance achieved by IES is due to a greater commitment from management, dynamic leadership of the president, academically distinctive and experienced faculty, disciplined students and service oriented supporting staff.



The Institute is playing a key role in creating and ambiance for the creation of novel ideas, knowledge, and graduates who will be the leaders of tomorrow. The Institute is convinced that in order to achieve this objective, we will need to pursue a strategy that fosters creativity, supports interdisciplinary research and education. This will also provide the students with an understanding and appreciation not only of the process of knowledge creation, but also of the process by which technology and knowledge may be used to create wealth as well as achieve social economic goals.

At last she concluded her lecture by saying that “I am delighted to note that the engineering graduates of this institute have been able to demonstrate their capable identities in different spheres of life and occupied prestigious position within the country and abroad. The excellence of any institute is a measure of achievements made by the students and faculty”.

### **Session 5: Expert Lecture on Physical Health by Dr. Sheetal Solanki**

Dr. Sheetal Kumar Solanki is an ayurveda speciallist and class one officer in M.P. He is the only MS (Ayurved) surgeon working in Indore and nearby 30 districts like Barwani, Khargone, Dhar, Bhopal etc. Currently he is working with so many hospitals.



He delivered his lecture on what should we do in daily life routine, what type of food should be eat to maintain our health. He motivated the students to follow the discipline in their diet plan.

### **Session 6: Address by Dean Academics: Dr. A. G. Kothari Sir**

A. G. Kothari retired as a Senior Professor of EEE, Department from VNIT Nagpur in June 2013. Presently he is working as an Adjunct Professor in EEE Department, IES-IPS Academy Indore. He obtained his B.E. (Electrical) and M. Tech (Power Systems) from Nagpur University and Ph. D from IIT, Kanpur. His experience includes Ho D EEE Department, Dean (acad.) and Dean (Administer)



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.

## **Session 7 Activity by Humanities Department**

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

## **Session 8 Address by Dean Administration: Dr. Rajesh Kaushal**

Dr. Rajesh 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 holding the position of dean administration in the institution.



He discussed about the responsibilities of various deans of IPS Academy Institute of Engineering & Science and said also about the

- Student section
- Scholarship section
- Attendance section.

He stated the quote that this decade is a time of unparalleled growth and change for India, with the opening up of the frontiers of the world through globalization, there is a need for efficient competence in the global scenario. He told that the department prides itself on preparing the students for creative careers in industries, academia and Government agencies. 400 numbers of students have successfully graduated and are catering to the needs of society. Our accomplished courses and adept faculties not only endeavor to cover the complete syllabus but to motivate students to learn beyond the syllabus which definitely develops complete

knowledge of the subject (practical and theoretical ) and develop skill sets of students to become promising engineers in future.

Finally he concluded his lecture by mentioning that as per the need of current growing trend, the department have initiated post graduation course from 2010 in Chemical Engineering with specialization “Computer Aided Chemical Process Plant Design”. The Department has been successfully carrying out testing & IEDC projects over two years.

### **Session 9: Session on Training and Placement**

Miss Pooja Bhatt delivered the lecture on about 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.



### **Session 10: Expert lecture on Universal Human Values by Dr. Sandeep Atre**

Dr. Sandeep Atre is a Counseling Psychologist and an internationally recognized ‘Emotional & Social Intelligence’ Expert and Trainer. He is the Founder of Socialigence – a venture specializing in development of ‘Social & Emotional Intelligence’ through its e-learning course rooted in neuroscience & psychology (socialigence.net). He is also Co-Founder of CH Edge Makers – a leading coaching group of Central India (ch-india.com). He is author of



two books “Understanding Emotions logically” and “Observing Nonverbal Behavior” and is also a noted blogger and writer. In his career of more than two decades, he has trained professionals of more than 50 companies and thousands of individuals to ‘sort out’ and ‘excel in’ intrapersonal and interpersonal matters.

Mr Sandeep Atre sir delivered lecture about human values and he motivated to students for bright future. He explained human values by taking real life examples.

### **Session 11: Ek Bharat shrestha bharat by Mr.Rupesh Dubey**

He started his lecture how Education, particularly Technical Education is playing a vital role in the development of the country by creating skilled manpower, enhancing industrial productivity and improving the quality of life. People talk about wonders of the world and include structures and monuments but out of imagination, Communication Engineering is the greatest wonders of the world!



He told that with the enhanced Electronics and Communication Gadgets we are moving in the fastest age of development. If we name a gadget in Electronics and call it the latest one, may be after few seconds due to enhancements in Technology another new gadget surpasses it and this process of development is taking place in Communication Industry at the fastest phase in the world. So in order to continue to spread quality technical education, we the Dept of Electronics and Communication Engineering are committed to take up responsibility of the holistic growth of the pupil coming in to its folds, is committed to make all possible efforts to help in realizing their dreams as well as the society to which he

or she hails from. Sir discussed about various place of Madhya Pradesh, like Sas Bahu Mandir, Sanchi Stoop. Panchmari, Bheda Ghat etc. He also explained about Various Rituals, Lok Geet, Lok Nartya.

### **Session 12: Address by Dean Research and Development: Dr. Amit Sharma**

He started the lecture by mentioning that Institute of Engineering and Science, IPS Academy is a leading, premium institution devoted to imparting quality engineering education since 1999. The sustained growth with constant academic brilliance achieved by IES is due to a greater commitment from management, dynamic leadership of the president, academically distinctive and experienced faculty, disciplined students and service oriented supporting staff.



He sincerely advise the 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 up grading the technology with optimum use of materials, equipment and human resources. He was delighted to note that the civil engineering graduates of this institute have been able to demonstrate their capable identities in different spheres of life and occupied prestigious positions within the country and abroad. The excellence of any institute is a measure of achievements made by the students and faculty. Sir delivered his lecture on research and development. He provoked the student for starting research and how to write research paper and publish them His lecture was an interacting lecture with students.



### **Session 13: Expert lecture by Ms. Aditi Mishra Tyagi**

Ms. Aditi Misra Tyagi is a faculty at Institute of Management Studies, Devi Ahilya Vishwa Vidyalaya. Entrepreneurship and Business Ethics are her core subjects. She is currently pursuing Ph.D. on the topic of Initiation, Establishment and Sustainability of Start-ups in India. She is passionate about the cause of spreading awareness of ancient Indian wisdom. She is working with Chanakya Consulting Insights for content development of their Leadership Programs, based on this Ancient Bhartiya Philosophy. You can find her podcasts upon these topics on Chanakya.one or Sound cloud.



In her lecture she beautifully explained the importance of entrepreneurship in India and how we as 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 extraordinary successful business. Some of the examples given by her were “Mumbai Dabba Wala” and “Mba Chai Wala” and many more. Her lecture was attended by around 200 to 250 students. As her lecture was quite knowledgeable, therefore students paid full interest. 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 or in other words students actively participated in the activity which was conducted by Ms. Aditi Mishra about sharing new ideas and their start-up thoughts. Her lecture was quite an interesting lecture as she came up with some of the best examples and explanations.

## **Session 14: Basics of Engineering Chemistry**

Lecture on basic engineering was conducted around 200-250 students attended the lecture. Where they understood the importance of basic chemistry in the field of engineering i.e how it will be beneficial in their engineering subjects or respective branch. Faculty interacted with the students during the time of lecture.

## **Session 15: Expert Lecture by Dr. Ruchita Shandilya**

She is Doctor of Philosophy on the topic ‘An Empirical Analysis on Customer Relationship Management Practice in Selected Organized retail Outlets (Special reference to Indore Region). She has Master of Business Administration (Marketing). She worked in the Prestige Institute of Management & Research, Indore. Currently she is working in Shri Gujarati Institute of Professional



Studies commonly known as SRGPGPI since March 2008 as an Associate Professor. She attended over 25 National and International conferences and workshops. Have 22 research paper publications (national and international) to her credit. Area of specialization is marketing and general management .And special interest in management by Indian Ethos.

She delivered the lecture on the topic “Management on Indian Ethos” where she explained the Indian Management system by taking examples of

- Mumbai Dabba Wala
- Six Sigma Certificate
- Mahendra Singh Dhoni and also
- highlighted the thoughts of Bhagwad Geeta



Her lecture was an 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. She also used one of the best example for explain the management system i.e Mahendra Singh Dhoni, how he manages his team very well and why he is known is caption cool and also the other aspects of the management system. Her lecture was quite impressing to the students as well as to the faculties also, Management of Indian Ethos was well explained in her lecture.

### **Session 16: Session for Waste Management by Chemical Department**

This session was designed by Chemical department for the students. So that students can be aware of the proper hygiene, how to recycle the waste and convert it into proper useable things. In this session the expert discussed about the seven principle of waste management. So these 7 R's of recycling should help you refocus and maybe even find some things you aren't doing yet!

- Recycle
- Refuse
- Reduce
- Reuse
- Repair
- Re-gift
- Recover

### **Session 17: Expert Lecture by Ms. Ruchita Shandilya**

She delivered the same content for the students of branch civil engineering, fire technology, IOT. Around 250 students attended her lecture.

### **Session 18: Mentor and 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.

### **Session 19: Lecture by Humanities department**

The purpose of the lecture is 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.

## **Session 20: Lecture on “Basics of Mathematics” By Dr. Varsha Sharma and Dr. Nadeem Ansari**

They discussed on the basic of differential calculus and they took real life examples for differential calculus in the easier forms, they concluded their lecture by interacting with students.

## **Session 21: Expert lecture by Ms. Mamta Bakliwal**

Ms. Mamta Bakliwal is one of the first few Women Technology entrepreneurs in Central India. She is B.E and MBA from MIT. Currently, She is Director of Empower Integrated Solutions (P) Ltd, a Software Export House with offices in Indore and Pune and Strategic Partners in US, Canada, Germany, UK and Belgium. She has led international & national projects of very high repute delivering high quality cost effective solutions. At Empower, she is responsible for new technology assimilation and adoption in the company by evaluating, approving and percolating the usage of new technologies and software for different phases of development.



She started her lecture with the beautiful thought “Innovation and entrepreneurship go hand in hand”. Her lecture included the concept that we develop innovative insights, then we deploy our entrepreneurial skills to create maximum impact and generate value. As a business leader she told that, we seek growth and competitive advantage. Innovation is a key lever to help us get there. She stated - It may seem difficult to develop an entrepreneurial mindset if you aren’t actively working as a successful startup. However, the truth is that you can hone the skill sets required for successful entrepreneurship no matter your current

job title. Some of the ways you can develop your entrepreneurial mindset in students everyday life:



1. **Set clear goals.** Setting a goal—speaking it to the universe, writing it down, mentioning it to friends and family who will hold you accountable—can subtly influence aspiring entrepreneurs to work towards that goal bit by bit each day.
2. **Practice being decisive.** Entrepreneurs, innovators, and new business owners must develop the ability to analyze a situation, absorb the relevant data, and make a confident decision. Small businesses and start-ups can be ruined by indecision, which is why making a decision with confidence is one of the most vital entrepreneurial skills.
3. **Redefine failure.** Failing typically has negative connotations, but the best entrepreneurs turn failure into something positive. Failing indicates that you've tried something, which can be a scary thing to do. True failure is not trying at all. Practice failure dialogues. You can do this in your

notebook or with a friend. Have them ask you about your failures every day for a week. Answer honestly. Soon, you may find that instead of feeling shame when you discuss your failures, you'll feel pride at showing off what you've attempted.

4. **Face your fears.** Many entrepreneurs fear public speaking failure, and embarrassment. The only way to chisel away at that fear is to expose yourself to it. Getting rejected again and again will anesthetize you to the letdown. Take a public speaking class—anything to get you more comfortable in front of a crowd.

### **Session 22: Expert Lecture: Ms. Ruby S Malhotra**

**About the expert:** Ms. Ruby S. Malhotra is an Indian Technocrat Entrepreneur by profession. She has done Bachelor of Engineering (Electronics) from UIT, Bhopal, MBA (Marketing) IMR, New Delhi. She is the cofounder and successfully running Multidisciplinary Testing and Calibration Lab. Kailtech Test & Research Centre Pvt Ltd. Currently Executive Director and In-Charge of Quality in Lab. Lab is NABL accredited (as per ISO 17025) since 2010 for 8 disciplines.



She shared her vision for better world and also motivated the students for startup and live their dream to fullest. She gave the beautiful example on how “Mba Chaiwala” has expanded his business. How he began his carrer through the small tea stall and then expanded his business as Mba Chaiwala. She also explained how by dreaming big one can easily achive his/ her dreams just we need to dare that we can compelete our goals.

### **Session 23: Session by Srafarosh**

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 Srafarosh.

He tried to enhance the student's capability of acting, dancing, drama and also nukkad nakat.

### **Session 24: Lecture on “Basics of Physics” By Dr. Nuzhat Sardar**

She discussed on the basic of physics and what is the importance of physics in the real life. She also took examples for explaining physical science in the easier form, she concluded her lecture by interacting with students.

### **Session 25: Expert Lecture by Dr. Lalit Singh**

Vice president, Teliolabs. Dr. Lalit Singh has experience of more than 16 years in Sales and Marketing. Prior getting into business was working as a Vice president in one of the leading Health insurance provider in India. He is passionate in doing business and meeting new people. He is an innovative thinker with broad-based expertise in operations, business development, and strategic planning. Teliolabs- They are technology company focused on leveraging new technology like AI/ML in the Telecom and IoT Domain .We are g growing company with our Global foot prints in US/UK & UAE and in India .





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. Their key vision and mission areas are their core capabilities to be acknowledged globally and to thrive for innovation in every possible way to become the go-to enterprise in IOT and Telecom space.

Students thoroughly enjoyed his lecture about entrepreneurship green tech. because he also interacted with students and listened their point of views, bright ideas about being an entrepreneur.

## **Session 26: 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.

These clubs are as follows:

- Story weaving Activity
- Mock Placement Drive
- Paper bomb Activity
- Word Jam Activity
- Debate
- Seminar on Soft skills development, etc.

## **Conclusion**

IPS Academy Institute of Engineering & Science was established to be at the cutting edge of technology and the frontiers of knowledge. The incoming undergraduate students are driven by their parents and society to join the engineering colleges without understanding their own interests and talents. As a result, most students fail to link up with the goals.

The graduating student must have values as a human being, and knowledge and met skills related to his/her profession as an engineer and as a citizen. Most students, who get de-motivated to study engineering or their branch, also lose interest in learning.

The Induction Program is designed to make the newly joined students feel comfortable, sensitize them towards exploring their academic interests and activities, reducing competition and making them work for excellence, promote bonding within them, build relations between teachers and students, give a broader view of life, and building of character.