Website Data Format - Academic departments

Kindly fill in the below sections as explained

Email *

mayank.kushwaha@abes.ac.in

Department Name *

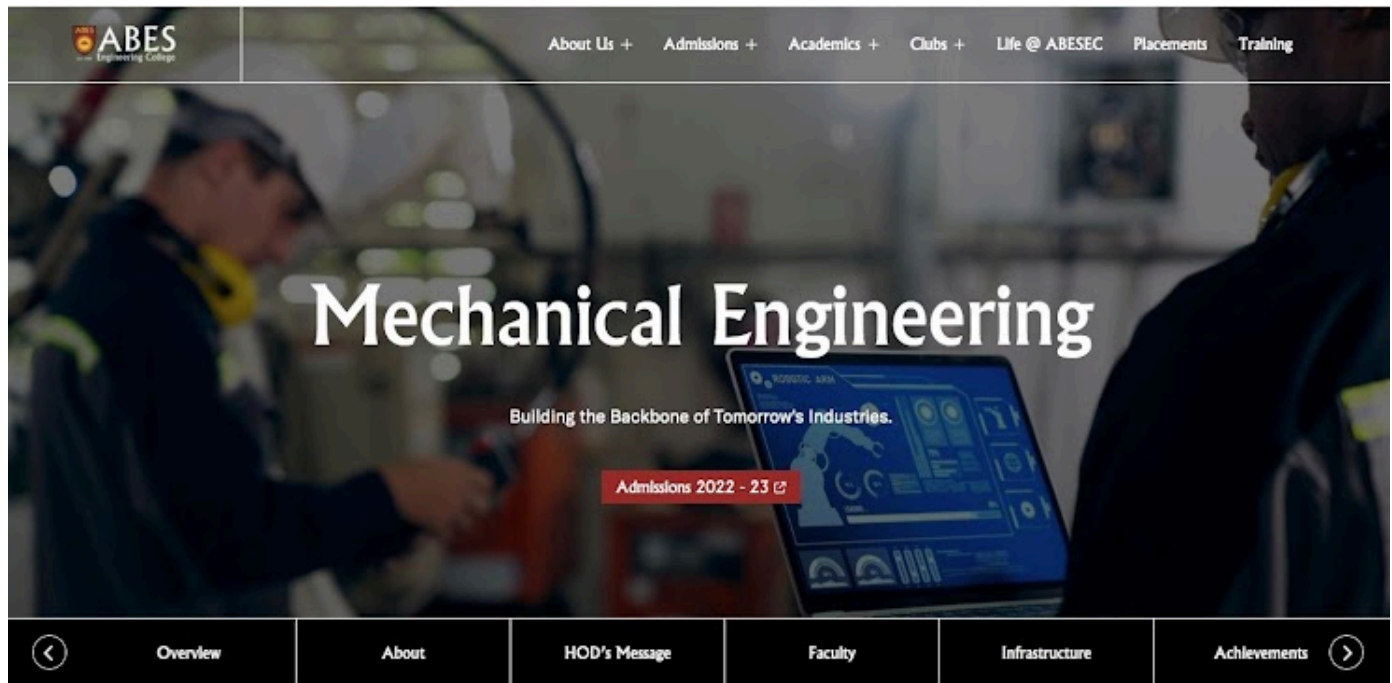Mechanical Engineering

Email *

mayank.kushwaha@abes.ac.in

Phone number of data provider *

9582581173

Section 1

Give a tagline for your department page.   *

As shown in the picture, a tagline is given below the Mechanical Engineering.

No update

Section 2

About the program

"Mechanical Engineering is not just a program, it's a journey of exploration, creation, and transformation where innovation has no bounds".

Key aspects of what mechanical engineers do include:

Design and Analysis   Materials and Manufacturing   Thermodynamics and Fluid Mechanics

Mechatronics and Control Systems

Give a quotation for your department page.   *

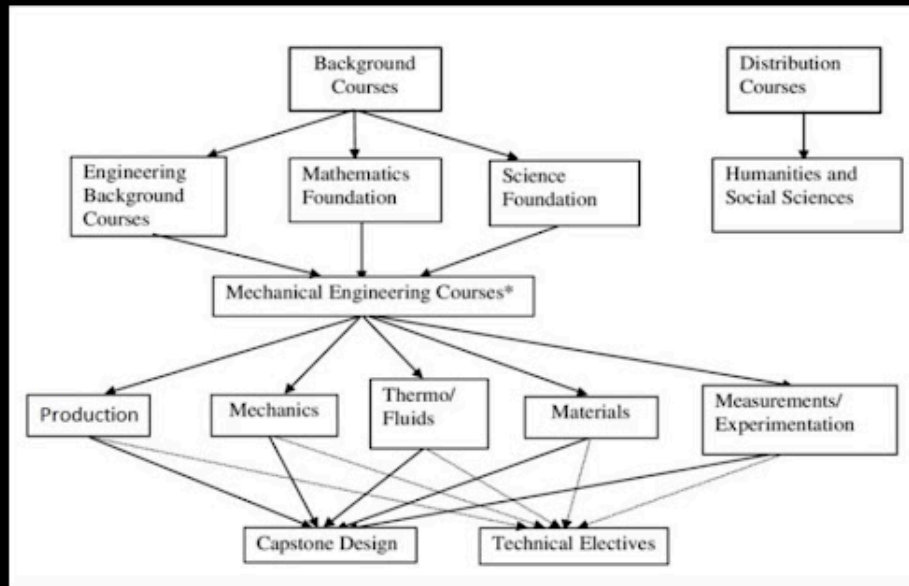As shown in the pic, a quotation given below the "About the program."

No update

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6 pointers are needed to be given as a highlighter of your course. *

No update

Section 3

Would suggest to create a course road map, if not possible or relevant you may skip it. *

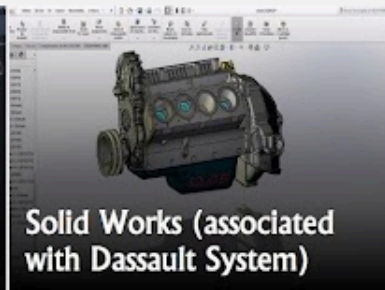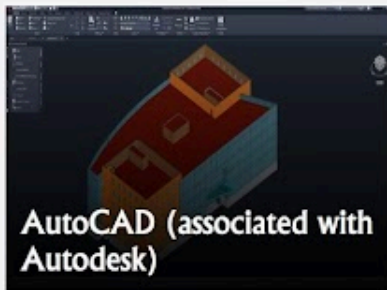⟳ course roadmap …

Section 4

Industry Training

"Bridging Knowledge to Industry Excellence, industry training paving the Way for Industry Prowess."

Department of Mechanical Engineering offers various industry training program for employability for students to full fill the gaps between education and industry demands

AutoCAD (associated with Autodesk)

Solid Works (associated with Dassault System)

Ansys (associated with Entuple Technologies)

1. Looking for a quotation from your end, you can check one from above picture marked in red.
2. A few sentences as brief, would suggest 2-3 sentences.
3. Would need at least 6 headlines as title heads for all the trainings which your department is providing to highlight.

Will update it soon

1. Attach 6 of the relevant images to the respective training, as shown in the image above,   *
below the training title and details.
2. Also, save the name of each image file as the title of the practical training subject.

Drone workshop…

Section 5

1. Give a Training Roadmap semester-wise from the 2nd to the 6th semester for your department page, as shown in the pic.

2. Along with 5 codes that practical training subjects.

3. Provide 5 names of practical training subjects.

4. List 5 skill sets covered in them.

5. Specify the number of hours for the each 5 trainings.

6. State the 5 outcomes of that practical training subject.

1. Attach 5 relevant images to the respective practical subject training as shown in the image above alongside the training subject details.

2. Also, save the name of each image file as the title of the relevant practical training subject.

Section 6

Top Achievers

"From Challenges to Champions: Student Success Stories, Inspiring the Next Chapter of Triumph"

Ajanta Singh	Shruti Nagar	Aditya Kumar	Anshul Saxena
B.Tech (Computer Science and Engineering)	B.Tech (Computer Science and Engineering)	B.Tech (Computer Science and Engineering)	B.Tech (Computer Science and Engineering)
Score: 609	Masters	HVAC Design Engineer	Elite + Silver Certificate
GATE-2020	UNIVERSITY OF DELAWARE	Oman	NPTEL Course

1. Provide a quotation for your "Top Achievers" department page section. As shown in the picture, a quotation is provided below the "Top Achievers."
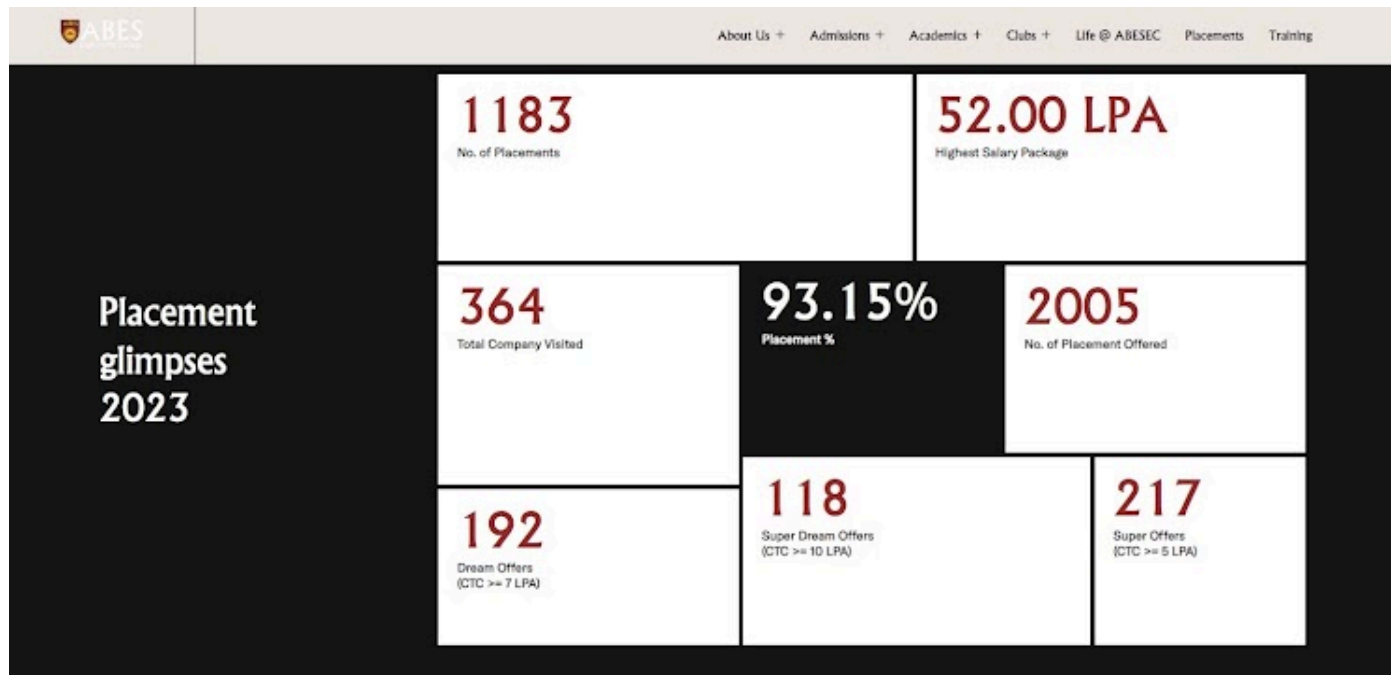
2. Also give 8 to 10 names of the top achievers.

3. Additionally, give their achievements details.

No update

Attach 8 to 10 "Top Achievers" pictures of your department's top achievers, saved by their names and batches.

Section 7

1. Total number of placements.
2. Highest salary package offered.
3. Total number of companies that visited for placements.
4. Placement percentage of your department.
5. Total number of placements offered by the college.
6. Total number of dream offers with remarkable CTC and the corresponding amount in LPA
7. Total number of super-dream offers with exceptionally high CTC and the corresponding amount in LPA.
8. Total number of super offers with excellent CTC and the corresponding amount in LPA.
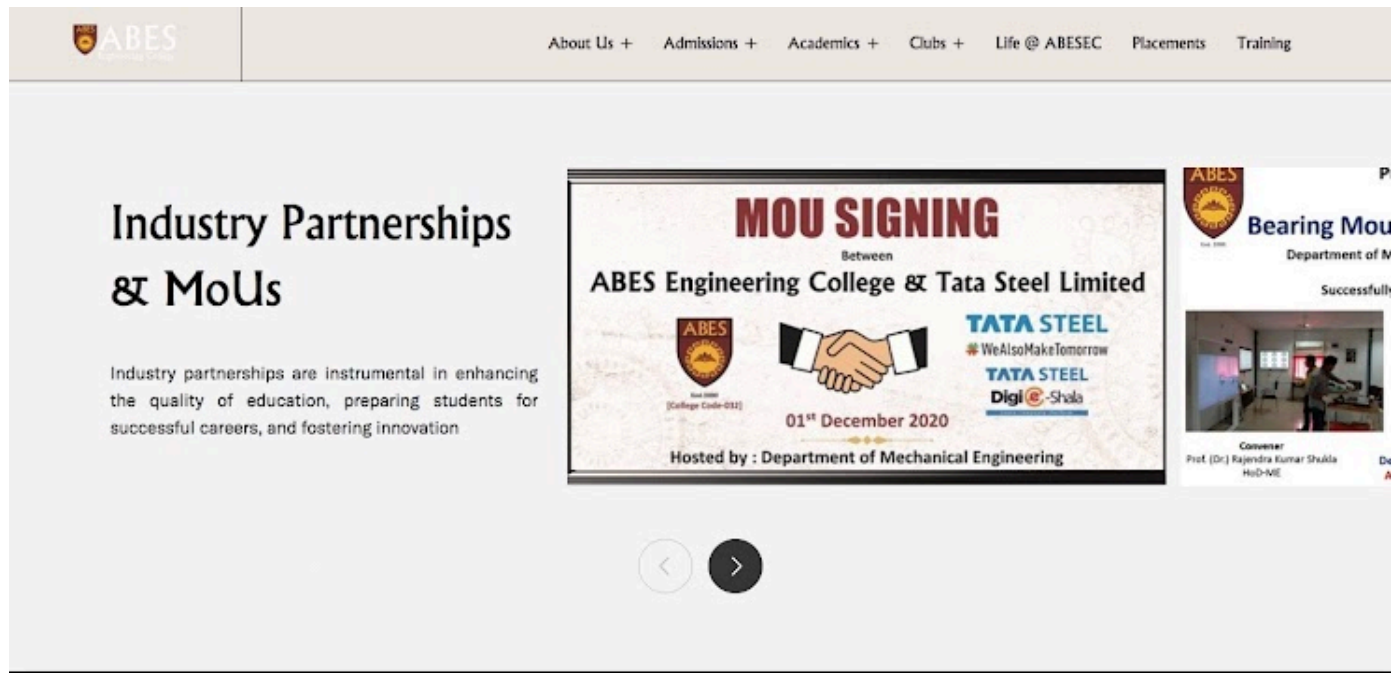
Section 8
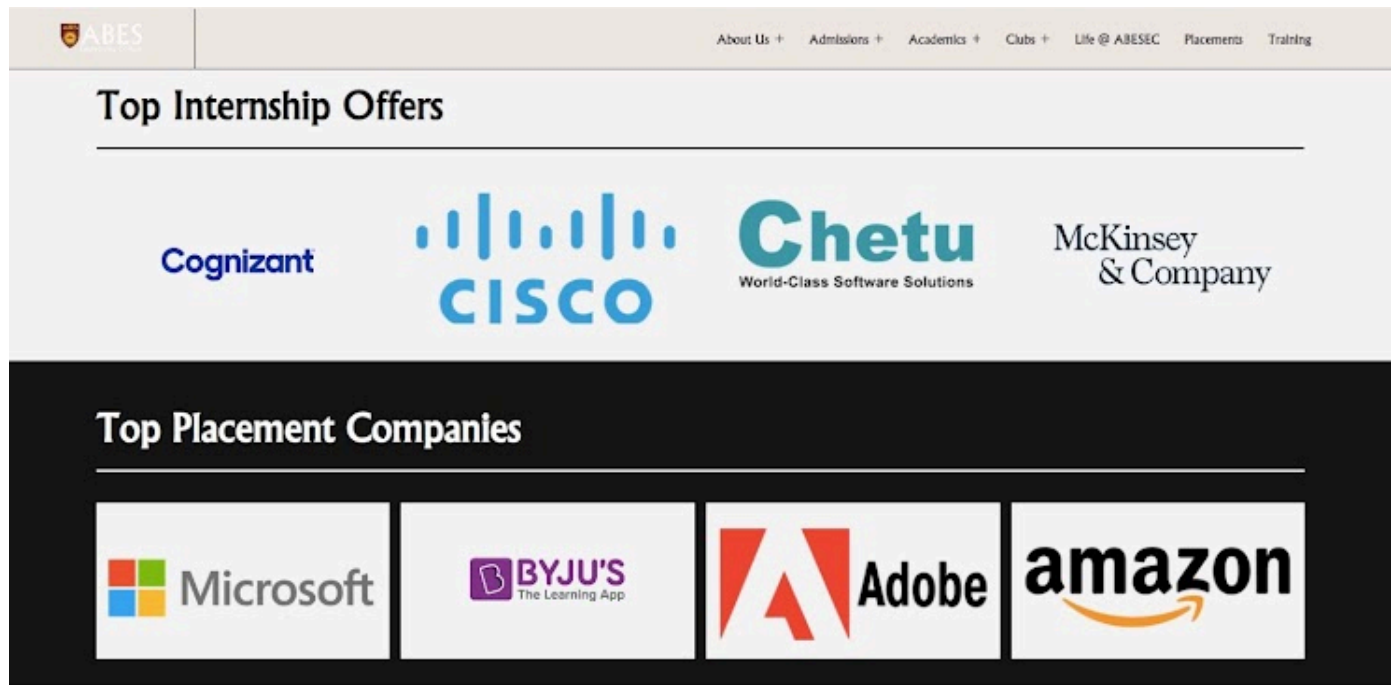
Please attach 8 to 10 of the company's latest logos of the relevant top internship offer providers here.

Attach 8 to 10 of the company's latest logos of the relevant top placement offers providers.

Section 9

1. Write a short paragraph of 2 to 3 sentences about Industry Partnerships and MoUs.

2. Additionally, share the details of partnership benefits offered.

1. Airflow Pvt. Ltd
Date of MoU signed: July 11, 2023
Purpose of MoU: Training, internship, research & development, workshops, Seminar, Placement.

2. ASSOmac Machines Limited
Date of MoU signed: December 21, 2023
Purpose of MoU: Research, training & development and dissemination of knowledge, Technical Training for the students

Please attach the creatives of Industry Partnership & MoUs.

Section 10
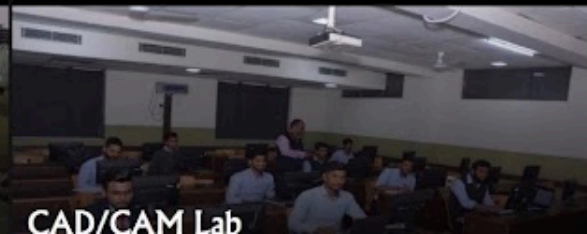
Give 4 or 8 titles of different types of facilities and Labs provided by your department.

No update

1. Attach 4 or 8 relevant images to the respective facilities and labs provided in your department, as shown in the image above, below the facility title and details.

2. Also, save the name of each image file as the facility's name.

Section 11

Events & news

Creating a impact using mechanical Engg.

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→ Know More

70+ alumni-founded unicorns . . . and counting

Lorem ipsum dolor sit amet consectetur. Lorem etiam porta nibh posuere facilisis. Etiam duis quis odio vulputate venenatis posuere eget iaculis ornare. Eu amet massa diam lectus risus vitae. Semper diam iaculis nunc adipiscing.

→ Know More

5 alumnae make Forbes 30 under 30 Asia

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→ Know More

1,000 cr investments in less than five years?

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→ Know More

1. Give 4 to 8 event titles,   *

2. 4 to 8 event descriptions in a few short paragraphs

1. FDP
•   ATAL FDP on Smart Manufacturing in Industry 4.0/5.0: Challenges & Opportunities
11th December 2023 - 16th December 2023
Mechanical Engineering Department of ABESEC, has successfully organized the AICTE Training and Learning (ATAL) Faculty Development Program (FDP) on 'Smart Manufacturing in Industry 4.0/5.0: Challenges and Opportunities' from 11th December, 2023 to 16th December, 2023 in which around 84 participants registered for the event from different parts of the country.

The objectives of the proposed ATAL Faculty Development Program (FDP) were;

1.   To provide a comprehensive understanding of smart manufacturing and industry 4.0 in terms of needs, applications, challenges and various opportunities.
2.   Application of smart manufacturing to improve the productivity and sustainability of a manufacturing industry.
3.   To provide an insight of various tools, algorithms and techniques for efficient implementation of cyber physical systems (CPS), Internet of Things (IoT) and Artificial Intelligence (AI) in any manufacturing industry to improve its sustainability and effectiveness.
4.   To enable the research scholars, academicians and industry persons for state-of-the-art collaborative research.
Topics covered:
•   Advances in Manufacturing
•   Smart Manufacturing
•   Additive manufacturing
•   Technology enabled opportunities and challenges.
•   Digital transformation in Manufacturing
•   Product Life Cycle Management
•   Hands on practice on 3D printer, CNC machines and laser engraving machine etc.
Activities and Project:
•   Every session was followed by research article discussion.
•   Hands on practical training sessions.
•   Industrial visit.

2. Drone Workshop
•   Drone Design, Development & Piloting - Innovator & Start-Up Workshop
Department of Mechanical Engineering with Orbits and INIF organized a One-Week Hands on Based Workshop on " Drones Design, Development and Piloting" for students, professionals and start-up aspirants from - 18th September to 23rd September, 2023. This workshop was financially supported by MeitY, GoI.

The details of the workshop is as follows:

Objectives:
The objectives of a workshop on Drone technology- design and development may include:

1. Understanding the basics of Drone technology: The workshop aims to provide participants with an understanding of the basics of Drone technology, including the history of drones, different types of drones, and their applications.

2. Design and development of Drones: The workshop focuses on the design and development of drones, including topics such as drone kinematics, dynamics, control systems, sensors, actuators, and programming.

3. Hands-on training: The workshop aims to provide hands-on training to participants in the design, development, and programming of drones. This may involve using simulation software, drone models, kits, etc.

4. Preparing for Safety Considerations: The workshop aims to emphasize the importance of safety considerations in the design and operation of drones. This may include topics such as risk assessments, safety standards, and safety features of drones.

5. Understanding the Future Trends and Challenges: The workshop aims to discuss the future trends and challenges in drone technology, including topics such as artificial intelligence, machine learning, and collaborative techniques.

Outcomes:
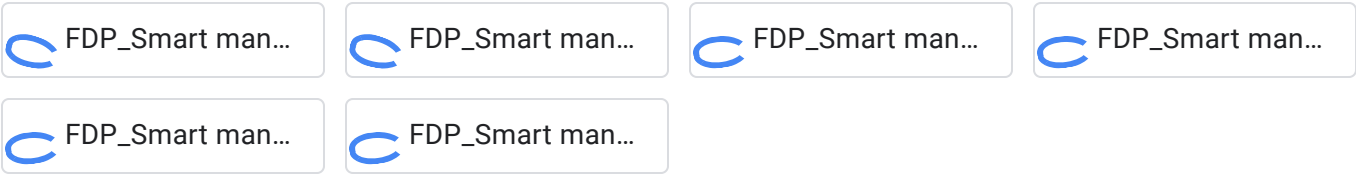On completion of the program, participants will be able to:

1. Identify & select different types of Drones and illustrate Fundamentals of Flight (Aerodynamics).

2. Interpret DGCA Safety Regulations & observe safety guidelines, ATC procedures & Radio Telephony, Weather and meteorology as a Drone Pilot in flying a Drone.

3. Identify & select different Airframes & Propellers in drone flying.

4. Explain & apply knowledge of Power systems viz. Electric motors, Batteries, Chargers, Connectors etc. in drone flying.

5. Identify & select various Controllers like Electronic Speed Controllers (ESC), Transmitters, Receivers & flight Controllers for Drones.

6. Plan & estimate different payload considerations like Cameras, Gimbals & other payloads and make use of them in drone flying/maintenance.

3. Industrial Visit
- Edgetech Air systems Pvt. Ltd
- Harduaganj Thermal Power Station
- MItzvah Air India Curtain
- Mother Dairy

1. Attached are 4 to 8 main thumbnail images for each event and a few secondary images for each event organized by your department, as shown in the pic. *

2. Save the images with event names.

⟲ FDP_Smart man…	⟲ FDP_Smart man…

⟲ FDP_Smart man…   ⟲ FDP_Smart man…   ⟲ FDP_Smart man…   ⟲ FDP_Smart man…

⟲ FDP_Smart man…   ⟲ FDP_Smart man…

Google Forms