MARATHA VIDYA PRASARAK SAMAJ'S
KARMAVEER ADV. BABURAO GANPATRAO THAKARE
COLLEGE OF ENGINEERING
Permanently Affiliated to Savitribai Phule Pune University Vide Letter No: CA/1542
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Department of Civil Engineering

Innovative Teaching Method –Case study on International Airport

Name of Faculty – Mr. D. N. Nathe **Class – BE**

Academic Year– 2020-21 **Semester II**

Name of Subject: –Airport and Bridge Engineering

Objectives of Methodology:

1. To study different components of Airport Master plan
2. To study the challenges and new technologies used for construction of the Airport

Details of Activity/Method:

1. Students asked to submit a case study topic (Name of Airport)
2. Airport planning, Design and execution of construction should be studied by the students
3. A presentation is taken to assess the work done by the students.

Assessment Tools & Rubrics:-

Name Of Students	Name of topic	Content Accuracy (4)	Sequencing (4)	Effectiveness (4)	Originality (4)	Oral presentation (4)	Final Marks (20)
Jawale Hrishikesh Narendra	G. W. Bush intercontinental Airport Texas	4	3	3	4	4	18
Sanap Sonali Ramkrushna	Jaipur international airport	3	4	4	3	4	18
Deore Chetan	KOZHIKODE CALICUT INTERNATIONAL AIRPORT	3	4	4	3	4	18
Simat Sharma	Choudhary charan singh airpot	3	3	3	2	3	14
Bhalerao Dhananjay Pandharinath	Shirdi international airport	2	2	3	2	3	12
Patil Varsha Vasant	Trivandrum International Airport, Kerala	3	3	3	3	4	16
Toche Saurabh Madhukar	Los Angeles International Airport	4	3	4	3	4	18
Dargode Nikhil Arun	Miami International Airport	2	2	3	2	3	12
Shingade Omkar Sanjay	Chatrapati Shivaji International Airport Terminal 2 (T-2)	3	3	3	3	4	16
Nikam Rushikesh Subhash	Narita international airport	3	3	3	2	3	14
Patil Shubham Devidas	Suvarnabhumi airport	3	3	3	2	3	14
Kardile Anjali Santosh	Lal Bahadur Shastri International Airport	3	4	4	3	4	18
Bhalerao Poonam Lahu	Netaji Subhash Chandra Bose International Airport, Kolkata.	4	4	3	3	4	18
Bhamare Akshay Himmat	IINCHEON AIRPORT	3	3	3	2	3	14
Palve Pragati Santosh	Cochin international airport	3	3	3	2	3	14
Chandwadkar Sakshi Rakesh	Rajiv Gandhi International Airport	3	3	3	2	3	14
Nankar Shubham Vijay	Veer Savarkar Airport	3	3	3	2	3	14

Jadhav Unnati Rajendra	Kula Lumpur international airport	**3**	**3**	**2**	**3**	**3**	**14**
Agre Prajakta Sarang	Vijayawada Airport	**3**	**3**	**3**	**3**	**4**	**16**
Bachhav Harshal Prashant	O'Hare International Airport	**2**	**2**	**3**	**2**	**3**	**12**
Ahire Sagar Vinod	Vancouver International Airport	**2**	**2**	**3**	**2**	**3**	**12**
Kulkarni Janhavi Shrikant	Sardar Vallabhbhai Patel International airport, Gujrat	**4**	**4**	**4**	**3**	**3**	**18**
Bhadange Mrugdha Sunil	ABE	**3**	**3**	**3**	**2**	**3**	**14**
Gangode Mayuri Nandkumar	Dubai International Airport (DXB)	**4**	**4**	**4**	**3**	**3**	**18**
Patil Samrudhi Sanjay	Goa International airport	**3**	**3**	**3**	**2**	**3**	**14**
Shinde Mayur Dhondiram	Changi Airport Singapore	**3**	**3**	**3**	**3**	**2**	**14**
Bendkule Gayatri Rajesh	Cochin international airport Cochin kerala	**3**	**3**	**3**	**2**	**3**	**14**
Gangurde Sanket Rajendra	Goa International Airport	**3**	**3**	**3**	**3**	**4**	**16**
Wagh Vaishali Dattu	Shaheed Bhagat Singh international airport Chandigarh	**2**	**3**	**3**	**3**	**3**	**14**
Darode Shweta Hemant	Mangalore airport	**3**	**3**	**3**	**3**	**4**	**16**
Avhad Archit Prashant	JFK Airport	**3**	**3**	**3**	**2**	**3**	**14**
Bhamre Shivam Avinash	Schonfeld Airport Germany	**2**	**2**	**3**	**2**	**3**	**12**
Ghule Pratik Somnath	Doha airport	**3**	**3**	**3**	**2**	**3**	**14**
Shinde Vidya Mohandas	Jaipur airport	**3**	**3**	**3**	**3**	**4**	**16**
Patil Chetan Vishwas	Miami International Airport, US.	**3**	**3**	**3**	**2**	**3**	**14**
Desale Mayur Rajendra	Dholera International Airport, Gujarat	**3**	**3**	**3**	**3**	**4**	**16**

Bodke Aditya Dnyaneshwar	Bhandarnaike international airport	**3**	**3**	**3**	**2**	**3**	**14**
Savle Harshad Sanjay	Banglore airport	**2**	**2**	**2**	**2**	**2**	**10**
Patil Mohanish Hemant	London Heathrow International Airport	**3**	**3**	**3**	**2**	**3**	**14**
More Shashikant Gokul	Suvarnbhumi Airport	**3**	**3**	**3**	**2**	**3**	**14**
Mhaisdhune Pranav Shankar	Denver international Airport	**3**	**3**	**3**	**2**	**3**	**14**
Ahire Anuja Devidas	Bangalore airport	**3**	**3**	**3**	**2**	**3**	**14**
Rajput Jayraj Sunil	Changi Airport	**4**	**3**	**4**	**3**	**4**	**18**
Satbhai Ankita Bhaskar	Rajbhoj international airport	**3**	**3**	**3**	**3**	**4**	**16**
Shinde Pratiksha Deepak	Pune Airport	**3**	**3**	**3**	**2**	**3**	**14**
Pawar Mrunal Sanjay	Chhatrapati shivaji Maharaj international airport	**3**	**3**	**3**	**2**	**3**	**14**
Gajarmal Prasad Balwant	King Khalid international airport Riyadh Saudi Arabia	**3**	**3**	**3**	**2**	**3**	**14**
Thakare Kajal Sanjay	Surat International Airport Gujarat	**3**	**3**	**3**	**2**	**3**	**14**
Walke Aishwarya Namdev	Swami Vivekananda Airport	**3**	**3**	**3**	**2**	**3**	**14**

Course Outcomes (Related to Methodology)

	After the completion of course students will be able to:	BTL
CO1	plan airport as per specifications of international organizations	II
CO2	plot airport layout and design runway and taxiway	III
CO3	design runway and taxiway pavements and drainage	III

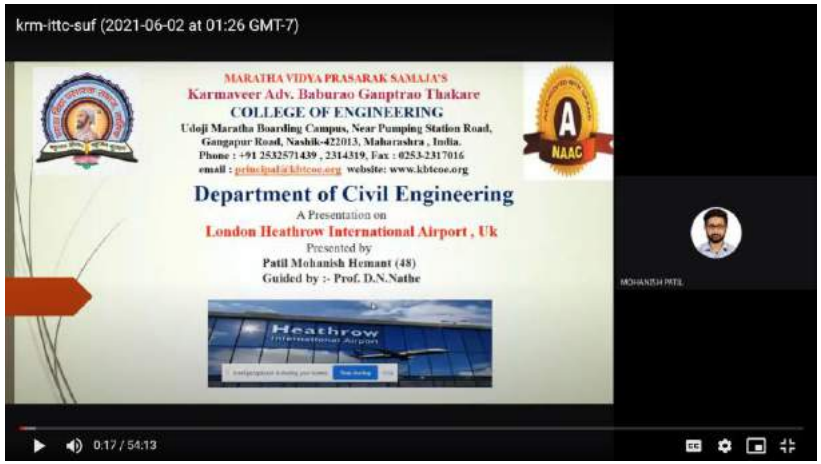
POs (Related to Methodology)

PO1	**Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	**Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO4	**Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO6	**The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO9	**Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO12	**Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PSOs (Related to Methodology)

PSO1	Graduates will able to apply fundamental knowledge, problem solving skills, engineering experimental abilities and design capabilities necessary for entering civil engineering career.
PSO2	Graduates will be able to demonstrate knowledge and techniques in engineering fields for effective management and professional development.
PSO3	Graduates will be able to apply technical and professional skills to be nationally competitive for employment/self-employment thereby benefit the society

Evidence: Activity Photographs/Videos/Sample PPT's



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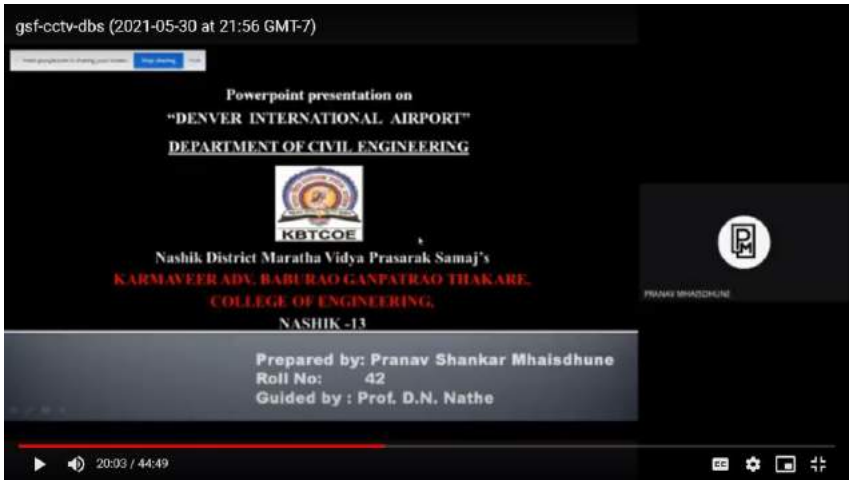

Feedback/Impact Analysis (Based on Students Feedback):

Course Outcome

	Course Outcome	CO1	CO2	CO3
A	**No. of Groups/Students Achieving CO**	**54**	**54**	**54**
B	**Total Rating**	156	152	157
C	**Average Rating (B/A)**	2.89	2.81	2.91

Program Outcome

	Program Outcome	PO1	PO2	PO4	PO6	PO9	PO12
A	**No. of Groups/Students Achieving PO**	**54**	**54**	**54**	**54**	**54**	**54**
B	**Total Rating**	156	149	153	154	152	156
C	**Average Rating (B/A)**	2.89	2.76	2.83	2.85	2.81	2.89

Program Specific Outcome

	Program Specific Outcome	PSO1	PSO2	PSO3
A	**No. of Groups/Students Achieving PSO**	**54**	**54**	**54**
B	**Total Rating**	157	153	156
C	**Average Rating (B/A)**	2.91	2.83	2.89

Link for Review and Critics:

https://forms.gle/s2msfyhTTfeheRqZA