



Swami Vivekanand College of Engineering

(Approved by: AICTE, New Delhi • Affiliated to RGPV, Bhopal and DAVV, Indore • Recognised by : DTE Govt. of MP)

Campus : Khandwa Road, Indore-452020 (M.P.) Phone : +91- 07324-405000

• Email : info@svceindore.ac.in • Website : www.svce.vivekanandgroup.com

Date:

Declaration

Metric 2.3.1

I declare that all the data, pictures, reports and other information enclosed in the criteria are authentic to the best of my knowledge.

Criteria In-charge

Dr. Mayank Laddha



Swami Vivekanand College of Engineering

(Approved by: AICTE, New Delhi • Affiliated to RGPV, Bhopal and DAVV, Indore • Recognised by : DTE Govt. of MP)

Campus : Khandwa Road, Indore-452020 (M.P.) Phone : +91- 07324-405000

• Email : info@svceindore.ac.in • Website : www.svce.vivekanandgroup.com

Index

S.No.	List of Document	Page No.
1.	Classroom teaching Photos	1-2
2.	Experiential Learning	
	2 (a) Field/Industrial visits Photos	3-4
	2 (b) Laboratory Experiments Photos	5-6
	2 (c) Workshops and Seminars Photos	7
	2 (d) Training Programs Photos	8
	2 (e) Expert Lectures Photos	9
3.	Participative Learning	
	3 (a) Group discussions Photos	10
	3 (b) Mock interviews Photos	11
	3 (C) Major and Minor projects Photos	12-14
	3 (d) PowerPoint Presentations Photos	15
	3 (e) Various Activities under Finishing School Photos and details	16-17
	3 (f) Annual tech-fest Photos	18
	3 (g) Participation in National Level Students Competitions Photos	19-21
4.	Problem Solving Ability	
	4 (a) Case studies – samples	22-23
	4 (b) Hackathon Photos	24
	4 (c) Project work exhibition photos	25
	4 (d) Publishing technical papers in journals	26



Swami Vivekanand College of Engineering

(Approved by: AICTE, New Delhi • Affiliated to RGPV, Bhopal and DAVV, Indore • Recognised by : DTE Govt. of MP)

Campus : Khandwa Road, Indore-452020 (M.P.) Phone : +91- 07324-405000

• Email : info@svceindore.ac.in • Website : www.svce.vivekanandgroup.com

5.	ICT-enabled Tools	
	5 (a) Projectors	27
	5 (b) Computers with LAN connections Photos	28
	5 (c) Seminar room	28
	5 (d) Auditorium	28
	5 (e) Online Classes on Zoom and Google meet	29
	5 (f) Library Lecture	30
	5 (g) Developing Library Network (DELNET)	31
	5 (h) National Programme on Technology Enhanced Learning (NPTEL)	32
	5 (i) Digital Library	33-34
	5 (j) Virtual labs	35

Student Centric Methods:-Teaching-Learning is a process in which both the teacher and the students keep learning. Teachers enhance their subject expertise and teaching skills, while the student gains greater comprehension of the material and its applications. Along with class room teaching, faculties use a variety of student centric methods, such as experiential learning, participative learning and problem solving methodologies to improve the efficacy of teaching and learning activities.


Following activities are conducted by the college for **Experiential Learning** of Students:-


- Field/Industry Visits
- Laboratory Experiments
- Workshops/Seminars
- Training Programs
- Expert Lectures

Students participate in experiential learning through model and project work alongside their studies. They use laboratory manuals for practical insights. Value Added Courses and Certificates offer hands-on exposure to advanced technologies. Industrial visits improve industrial skills. Workshops and seminars enrich their knowledge.

The Students are Encouraged to **Participative Learning** through the following Exercises:-

- Group Discussion
- Mock Interview
- Major and Minor Projects
- PowerPoint Presentations


IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORF


PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE

- Various Activities under Finishing School
- Annual Tech-Fest
- Participation in National Level Students Competitions

The Finishing School and Training & Placement Cell promote employability skills through group discussions and mock interviews. PPT presentations for minor and major projects encourage participative learning. Expert lectures and departmental seminars enrich students' learning. The annual tech-fest cultivates teamwork, leadership, and ethical practices, leading to recognition and rewards.


In order to inculcate **problem solving ability** in the students, some real-world problems are assigned to them in the form of:-


- Case Studies
- Hackathons
- Project work

To strengthen problem-solving skills, students tackle real-world issues through assigned case studies. They engage in training activities focused on advanced courses and current industry trends to sharpen their skills in advanced technologies. Participation in hackathons, competitions like Eco Kart, NEKC, and IKC, publishing technical papers in journals further enhances their practical knowledge and expertise.


Use of ICT-enabled Tools:- For an efficient teaching and learning process, the college strongly promotes the use of following ICT-enabled tools:


- Projectors- There are 24 projectors available in different classrooms & labs. The faculty members present their PowerPoint presentations using the projector facility. All the presentations are prepared well in advance & in accordance with the requirements of the academic curriculum.
- Computers with LAN connections are available in computer labs and in all departments.
- One seminar room is equipped with all the digital facilities.


 IQAC COORDINATOR
 SWAMI VIVEKANAND
 COLLEGE OF ENGINEERING
 KHANDWA ROAD, INDORE

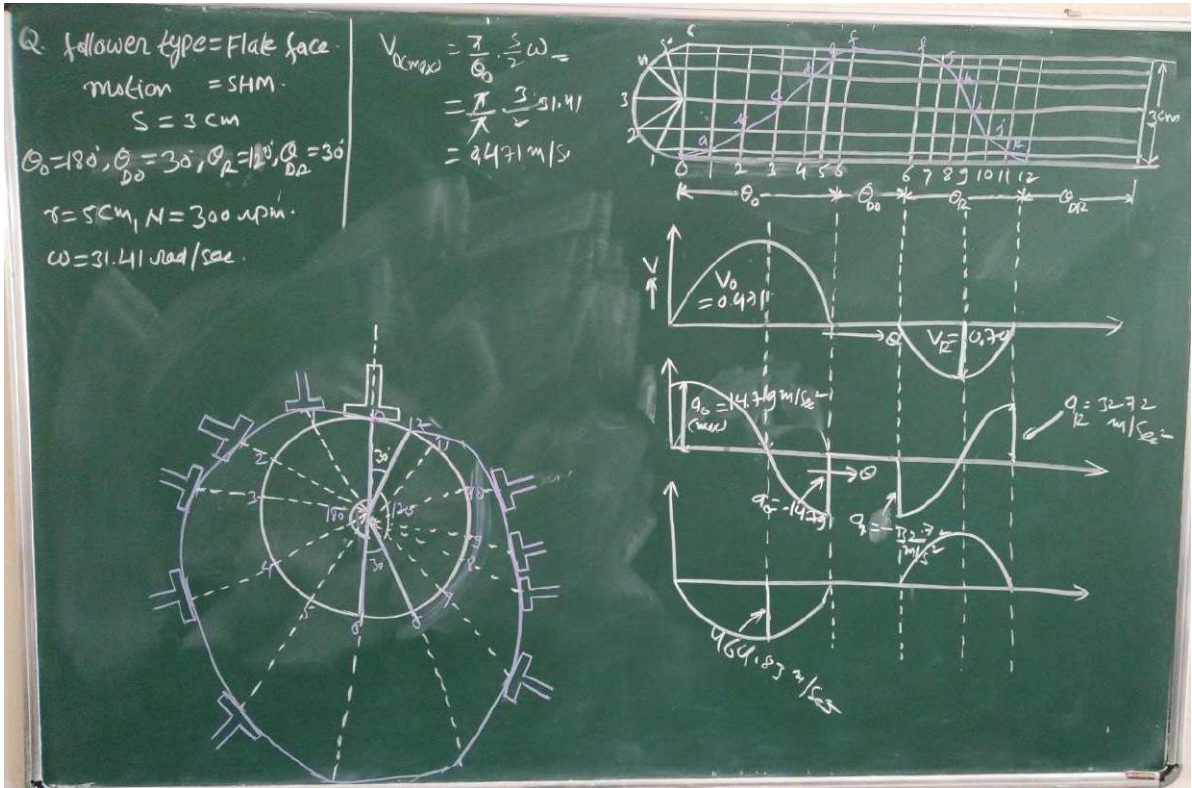

 PRINCIPAL
 SWAMI VIVEKANAND
 COLLEGE OF ENGINEERING
 KHANDWA ROAD, INDORE

- 01 auditorium is available in the college premises. It is digitally equipped with a microphone, speakers, projector, and computer system.
- Online Classes through various platforms such as Zoom, Google Meet, Microsoft Team, etc. are scheduled on the basis of requirements.
- Every class has a scheduled lecture time that is dedicated to the library, in which the students can access a wide range of Electronic resources for learning, like Developing Library Network (DELNET), National Programme on Technology Enhanced Learning (NPTEL), and Digital Library.
- Virtual labs, an Initiative of the Ministry of Education Under the National Mission on Education through ICT, are also available.


IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE


PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE

1. Classroom Teaching Photos



Art.

IQAC COORDINATOR
 SWAMI VIVEKANAND
 COLLEGE OF ENGINEERING
 KHANDWA ROAD, INDORE

Art.

PRINCIPAL
 SWAMI VIVEKANAND
 COLLEGE OF ENGINEERING
 KHANDWA ROAD, INDORE

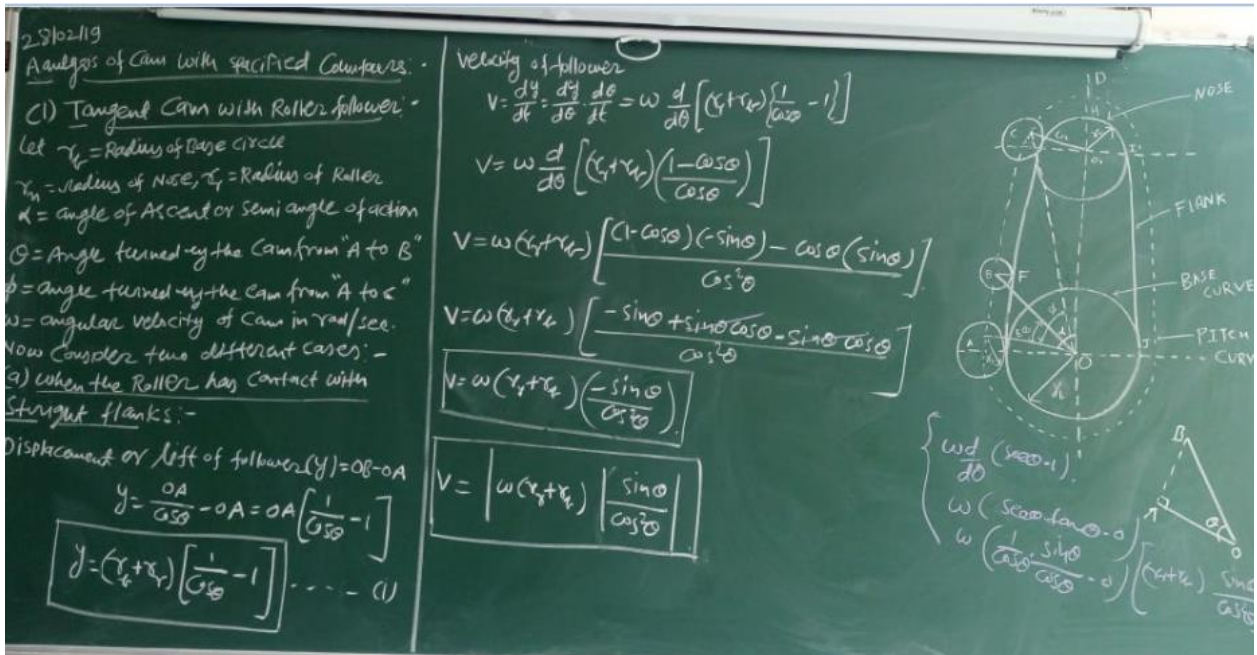


GPS Map Camera

Indore, Madhya Pradesh, India
 HVWR+6W6, Indore, Umrikheda, Madhya Pradesh 453446, India
 Lat 22.595712°
 Long 75.891842°
 25/08/23 02:22 PM GMT +05:30

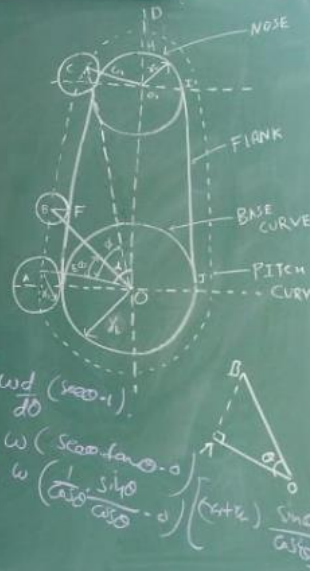



Google



25/08/23
Analysis of Cam with specified Followers.
 (1) Tangent Cam with Roller follower -
 Let r_c = Radius of Base circle
 r_n = radius of Nose, r_r = Radius of Roller
 α = angle of Ascent or Semi angle of action
 θ = Angle turned by the Cam from "A to B"
 ϕ = angle turned by the Cam from "A to C"
 ω = angular velocity of Cam in rad/sec.
 Now consider two different cases:-
 (a) when the Roller has contact with
straight flanks:-
 Displacement or lift of follower (y) = OB - OA
 $y = \frac{OA}{\cos \theta} - OA = OA \left[\frac{1}{\cos \theta} - 1 \right]$
 $y = (r_c + r_r) \left[\frac{1}{\cos \theta} - 1 \right]$ ----- (1)

Velocity of follower
 $V = \frac{dy}{dt} = \frac{dy}{d\theta} \frac{d\theta}{dt} = \omega \frac{d}{d\theta} \left[(r_c + r_r) \left[\frac{1}{\cos \theta} - 1 \right] \right]$
 $V = \omega \frac{d}{d\theta} \left[(r_c + r_r) \left[\frac{1 - \cos \theta}{\cos \theta} \right] \right]$
 $V = \omega (r_c + r_r) \left[\frac{(1 - \cos \theta)(-\sin \theta) - \cos \theta (\sin \theta)}{\cos^2 \theta} \right]$
 $V = \omega (r_c + r_r) \left[\frac{-\sin \theta + \sin \theta \cos \theta - \sin \theta \cos \theta}{\cos^2 \theta} \right]$
 $V = \omega (r_c + r_r) \left[\frac{-\sin \theta}{\cos^2 \theta} \right]$
 $V = \omega (r_c + r_r) \left[\frac{\sin \theta}{\cos^2 \theta} \right]$




 IQAC COORDINATOR
 SWAMI VIVEKANAND
 COLLEGE OF ENGINEERING
 KHANDWA ROAD, INDORF


 PRINCIPAL
 SWAMI VIVEKANAND
 COLLEGE OF ENGINEERING
 KHANDWA ROAD, INDORF


2. (a) Field/Industrial Visits

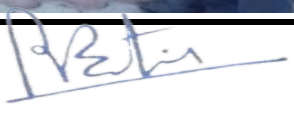
➤ Mechanical Engineering students visited Degreeday.



➤ First year B.Tech and MBA students visited Dainik Bhaskar KBA Plant




IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORF


PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORF


- Computer Science & Engineering student's visit at Ypsilon IT solutions.



- Students of Electrical & Electronics Engineering visited 400 KV substation



IQAC COORDINATOR
 SWAMI VIVEKANAND
 COLLEGE OF ENGINEERING
 KHANDWA ROAD, INDORE


 PRINCIPAL
 SWAMI VIVEKANAND
 COLLEGE OF ENGINEERING
 KHANDWA ROAD, INDORE


2 (b). Laboratory Experiments

1. Fluid Mechanics-II Lab – Civil Engineering Department



2. Fluid Mechanics Lab – Mechanical Engineering Department




IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE


PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE

3. CNC Machine lab- Mechanical Engineering Department



4. Computer Science & Engineering



[Handwritten signature]
IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE

[Handwritten signature]
PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE


2 (c) Workshops and Seminars Photos

- **Workshop conducted by Civil Engineering Department on Total Station incollaboration with KTRC Engineering Services**



- **The Department of Computer Science & Engineering has hosted a five days BootCamp workshop.**




IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORF


7


PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORF


2 (d). Training Programs

➤ Student's Certificate of Industrial Training on MasterCAM and CNC Milling

TG-An-04



INDO-GERMAN TOOL ROOM
(A Govt. of India Society)
INDORE (M.P.)



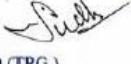
This is to Certify that

Shri/Ms. **AAKASH**

of Swami Vivekanand College of Engineering, Indore

has attended and successfully completed the training programme
on **MASTER CAM**

conducted by IGTR, Indore, from **24/07/2019** *to* **29/07/2019**


HOD (TRG.)




GENERAL MANAGER
General Manager Incharge
MSME-TOOL ROOM
(Indo-German Tool Room)
Sanwer Road, INDORE

SECTOR-E, INDUSTRIAL AREA, SANWER ROAD, INDORE - 452 015 (M.P.)

TG-An-04



MSME TECHNOLOGY CENTRE
(INDO-GERMAN TOOL ROOM, INDORE)
(A Govt. of India Society)



This is to Certify that

Certificate No. 45645

Shri/Ms. **ARJUN SEN**

of **INDORE**

has attended and successfully completed the Training Programme
on **CNC MILLING (Sponsored by ESDP Under ATI Scheme)**

conducted by IGTR, Indore From **14-02-2022** *to* **02-03-2022**


Course Co-Ordinator
Date: 02-03-2022




HOD (TRG.)
M.K. PALIWAL
H.O.D.
(Training)

SECTOR-E INDUSTRIAL AREA, SANWER ROAD, INDORE - 452 015 (M.P.)


IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE


PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE

2 (e). Expert Lectures

- Expert lecture on the topic, "Rocket Technology and Chandrayan-2" on 01/10/2019.






IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE


PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE

3 (a). Group discussions




IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE


PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE

3 (b). Mock interviews



IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE

PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE


3 (c). Major and Minor projects


➤ List of Project during Minor Project – II

Swami Vivekanand College of Engineering, Indore				
Mechanical Engineering Department				
VI SEM BATCH 2020-2024 (SESSION: JAN JUNE 2023)				
Details of Minor Project II (ME-608)				
Group No.	Name of Group Members	Roll No	Project Title	Guide Name
1	ABDUL LATIF MULTANI	0822ME201001	Engine modification in BAJA Vehile	Mr. Manoj Sharma
	ANIKET CHOUHAN	0822ME201005		
	RAVI YADAV	0822ME201029		
	SURAJ SHARMA	0822ME201038		
2	MOHIT TOMAR	0822ME201022	Mini Air Compressor	Dr. Rahul Joshi
	GAUTAM BHARTI	0822ME201011		
	DIGVIJAY PANCHAL	0822ME201010		
	SHUBHAM RAGHUVANSHI	0822ME201036		
3	MOHAMMAD HASAN MULTANI	0822ME201021	Metal Roller Bender	Ms. Priyanka Potghan
	SHAHBAZ QURESHI	0822ME201034		
	AMEEN MANSURI	0822ME201004		
4	GOUTAM DHANGAR	0805ME201007	Magnetic Seperator	Mr. Vishal Wankade
	ANKIT PANCHAL	0822ME201006		
	MADHUSUDAN YADAV	0822ME201017		
5	GOURAV PAL	0822ME201013	Battery Charger With Stirling Engine	Mr. Ajay Bhargav
	TARUN SHRIVANSH	0822ME201039		
	YUVRAJ GOUD	0822ME201041		
6	ABHAY VERMA	0822ME213D01	Coir Fiber, Composite, Hand layup	Mr. Manoj Sharma
	SARVESH ZAMINDAR	0822ME213D11		
7	ANSHUL SHARMA	0822ME201007	Prgressive die for manufacturing	Mr. Rahul Nandwal
	HARIOM NAGAR	0822ME201015		
	Meraj Aalam Ali	0822ME201020		
	Rameshwar Awsarmol	0822ME201028		

IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORF

	SOURABH VISHWAKARMA	0822ME201037		
8	GANESH DAYMA	0822ME213D04	Solar Dryer	Mr. Manoj Sharma
	RONAK KOKANE	0822ME213D10		
	VIPUL KALE	0822ME213D15		
	SAVAN	0822ME213D12		
	ABHISHEK RAJ	0822ME213D02		
9	KRISHNA MAHAJAN	0822ME213D05	Abrasive jet machine	Dr. Rahul Joshi
	POOJA VARMA	0822ME213D08		
	PRATHAM VISHWAKARMA	0822ME213D09		
	ASHUTOSH DWIVEDI	0822ME213D03		
10	NEERAJ MOREE	0822ME201024	Can crusher	Ms. Priyanka Potghan
	AMAN TILOTIYA	0822ME201003		
	PIYUSH KADOLIYA	0822ME201027		


 IQAC COORDINATOR
 SWAMI VIVEKANAND
 COLLEGE OF ENGINEERING
 KHANDWA ROAD, INDORE


 PRINCIPAL
 SWAMI VIVEKANAND
 COLLEGE OF ENGINEERING
 KHANDWA ROAD, INDORE

➤ Certificate page of M. Tech thesis

**Swami Vivekanand College of Engineering,
Indore. (M.P)**



CERTIFICATE

This is to certify that **Mr. Bharat Singh Baghel (0822ME200ME02)** has completed his project work, titled,

"ANALYSIS OF WEAR RESISTANCE LINERS FOR INCREASING LIFE CYCLE OF INDUSTRIAL STEEL PARTS"

As per the syllabus and has submitted a satisfactory report on this project as a partial fulfilment towards the degree of

**MASTER OF ENGINEERING
IN MECHANICAL ENGINEERING.**

Specialization

In

Design of Mechanical Systems

From

RAJIV GANDHI PROUDYOGIKI NIWANDYALAYA, BHOPAL

Mr. Rahul Nandwal **Dr. Mayank Ladhani** **Dr. Manoj Sharma** **Dr. Pradeep Kr Patil**

Guide Co-Guide Principal

Mechanical Engg. Dept. Mechanical Engg. Dept. S.V.C.E., Indore (M.P)



**PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE**

**IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE**

**PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE**

3 (d). PowerPoint Presentations



IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE

PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE

3 (e). Various Activities under Finishing School


➤ List of activities


S.No.	Lecture Plan	Attendees	Mode
1	Role Play		Offline
	a. Telephone Conversation	47	
	b. Going to the shop		
	c. Booking a Hotel		
	d. Ordering and eating food at a restaurant		
	e. Taking a Taxi - and giving directions.		
2	Word Trail		Offline
	Word Trail is an engaging word board game.	APPROX 100	
	This challenging game is designed to build and reinforce English Vocabulary in students.		
3	Object Description	40	Offline
4	Story writing	30	
	Story writing with the help of image.		
5	Telephone Etiquette Quiz	120	ONLINE
	To impart basic telephone etiquette we have drafted a quiz.		
6	Spellbee Competition	88	Offline
	A spelling bee is competition in which contestants are asked to spell a broad selection of words , ususally with a varying degree of dificulty.		
7	Extempore Competition	74	Offline
	Extempore is an activity in which topics are given on the spot and candidates have to speak and perform on the given topic.		
8	Word Brainstorming Competition	82	Offline
	In this competition, we have practiced how many words can be expressed for one single word.		
	we have learned the synonyms of a particular word . Thus, through this competition , we have tried to enrich students' Vocabulary.		

9	An Expert talk on " Exploring your Interview Skills		Online
	What is an Interview ? If we have to sum		
	up about Interview in just one line then		
	we can say that "Interview is just a		
	Projection of your potential" .		
	Elaborating it , Interview is a structured		
	conversation where one participant asks		
	questions and other provides answers.		
10	An Expert talk on "Developing Expertise in		Online
	Professional Communication" .		
	Professional Communication is defined as		
	oral,written,digital or visual forms of		
	information delivery in a workplace.		
	Professional Communication also involves		
	various forms of speaking,writing and		
	responding within and beyond the workplace		
	environment.		

➤ Spellbee Competition






 IQAC COORDINATOR
 SWAMI VIVEKANAND
 COLLEGE OF ENGINEERING
 KHANDWA ROAD, INDORE


 PRINCIPAL
 SWAMI VIVEKANAND
 COLLEGE OF ENGINEERING
 KHANDWA ROAD, INDORE

3 (f). Annual tech-fest




IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORF


PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORF

3 (g). Participation in National Level Students Competitions

➤ ECO Kart



IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE

PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE

➤ National Electric Kart Championship (NEKC) 2020 Season 3.0





IQAC COORDINATOR
 SWAMI VIVEKANAND
 COLLEGE OF ENGINEERING
 KHANDWA ROAD, INDROR

PRINCIPAL
 SWAMI VIVEKANAND
 COLLEGE OF ENGINEERING
 KHANDWA ROAD, INDROR

Indian Karting Championship (IKC)




IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORF


PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE

4 (a). Case studies

Managerial Economics 1st SEM - Privatizations of VSNL

The government policy in India on privatization had evolved from selling minority shares in 1991- 92 to an emphasis on strategic sales during late 1990s. After partial disinvestment through sale of shares, VSNL; public sector Internet service provider, underwent a strategic sale to the Tata Group in April 2002. Subsequent to the sale the government holding became 26% and the Tata Group's 45%. The sale was followed by VSNL's decision to invest 1,200 crore in Tata Teleservices Limited (TTL), a wholly-owned subsidiary of the Tata Group. This led to concerns regarding the appropriateness of the decision, since it involved a cash outflow of ₹ 1,200 crore to a fledging private company in the telecom sector. "VSNL was a cash rich organization and was seen as having the potential to make forays into the global marketplace. Its monopoly in international long distance (ILD) voice until 2002 and Internet until 1998 had ensured that VSNL was a profitable enterprise. With WTO imposed stipulations, its monopoly, first over the Internet and then in ILD had been declared as no longer valid.

The Bidding Process: Companies, interested in participating in bid were required to have a net worth of 2,500 crore.

The bid was open to international parties but did not draw any interest because of the 49% cap of foreign direct investments in the telecom sector. Among the domestic players, the initial 7-8 players who showed interest were narrowed down to Reliance and the Tata Group by the time the bidding process began.

The Reliance Group bid ₹ 1,347 crore, losing out to the Tata Group bid of ₹ 1,439 crore. The Tata bid for the 25% stake worked out to 202 per share as against the prevailing market value of ₹ 168 share. The total realization from VSNL was expected to fetch the government ₹ 3,689.25 crore after provisioning in 1,887 crore as dividend and 363 crore as dividend tax.

The TTL Controversy (Tata Tele Limited): After the acquisition, the VSNL board (under Tata management) decided to invest ₹ 1,200 crore in TTL. The Tatas justified the decision as being part of the effort to extend VSNL's activities to the basic services customer. But this action led to contro- versy in the political circle The Union Communications Minister objected to the decision. To him, it was unethical that the Tata Group was using up cash reserves of VSNL to fund its own subsidiary. In the Minister's perspec- tive, TTL was a new company that was yet to prove itself. If VSNL wanted investment in basic services, BSNL and MTNL could provide better opportunities. Legally though, the Tata group was well within its rights to make the move. According to the Companies Act, strategic partners were free to utilize cash reserves of public sector units. However, the VSNL board's decision was questionable to the extent that the government nominee's dissenting

voice was overruled when the proposal for the investment was passed in the board.

Issues: In case of VSNL, the government had been receiving 10.4 crore as dividends (average of eight years upto 2000) from VSNL. The sale of 25% stock resulted in an inflow of ₹ 3,689 crore (including the special dividends) leading to an earning of 368.9 crore in perpetuity (as interest on 10% deposit annually). Viewed from this perspective, the privatization has led to a better expenditure management. It may be argued that by the privatization process, the government had lost claim on its assets or shareholding. But this may be compensated by the higher cash returns generated from the sale. Moreover, service quality and prices, and efficiency might improve for the consumers and citizens. **Public Issue versus Strategic Sale:** Before the year 2000, the government was selling minority shares in VSNL. The price to earnings ratio was 6.0 at that time. The strategic sale gave a much higher price to earnings ratio of 11.0. This was an indication of the market expectation of better performance under a private management. However, it is not always true that strategic sale alone leads to better valuations. In the case of British Telecom's (BT) privatization that was done through sale of shares to the public, the government made significant changes in the board membership to indicate the greater business orientation the future BT was likely to have. In the absence of such changes, VSNL's share prices could not gain from IT/telecom boom. A more proactive approach to managing VSNL even before privatization would have increased the valuation of VSNL.

Valuations: Critics of the present process of disinvestment have pointed out that many valuable PSUs have been sold below their actual value. They also point out that a short-term perspective of reducing the fiscal deficit should not drive the process of privatization. The claim of privatization boosting share prices of PSUs had also been proved wrong by the case of VSNL. The advisers and professionals who assist the process of disinvestment should be people with knowledge and integrity. Otherwise, it could lead to improper evaluation of the PSU and its bidding process. **Government's Role:** Even after a strategic sale, it is the government's responsibility as a shareholder to ensure that such enterprises are allowed to function smoothly without interference from politicians.


The TTL controversy highlights the difficulties it faces in doing so. The government's role in privatised PSUs could continue to be significant. The privatization of VSNL can be seen as an example of public expenditure accountability through a realization of higher return on the government's asset formation. The supporters of privatization consider it as a step towards the provision of better quality communication services at the most competitive prices.


Questions:

1. Why did the new Board of VSNL decide to invest ₹ 1,200 crore in TTL?
2. Privatization of VSNL helped Indians. Yes / No. Justify.

4 (b). Hackathon





IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDRF


PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDRF


4 (c). Project work – Exhibition




IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE


PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE

4 (d). Technical paper publication certificate of students of in journals




Journal of Emerging Technologies and Innovative Research
 An International Open Access Journal
www.jetir.org | editor@jetir.org

Certificate of Publication

The Board of
 Journal of Emerging Technologies and Innovative Research (ISSN : 2349-5162)
 Is hereby awarding this certificate to
SHWETA SANJAY ADAYPRABHU
 In recognition of the publication of the paper entitled
**STUDY AND PARAMETRIC OPTIMIZATION OF GAS METAL ARC
 WELDING PROCESS (GMAW) PROCESS**
 Published In JETIR (www.JETIR.org) ISSN UGC Approved (Journal No: 63975) & 5.87 Impact Factor
 Published in Volume 6 Issue 6 , June 2019 | Date of Publication: 2019-06-04

Pooja P
 EDITOR
JETIR1907J78

S. S. S.
 EDITOR IN CHIEF
 Research Paper Weblink <http://www.jetir.org/view?paper=JETIR1907J78>



Registration ID : 222620

S.V.C.E. Indore

Journal of Emerging Technologies and Innovative Research
 An International Open Access Journal
www.jetir.org | editor@jetir.org

PUBLICATION

Certificate of Publication

The Board of
 Journal of Emerging Technologies and Innovative Research (ISSN : 2349-5162)
 Is hereby awarding this certificate to
SUBODH MUNGRE
 In recognition of the publication of the paper entitled
**DESIGN, DEVELOPMENT AND VALUE ANALYSIS OF PNEUMATIC
 MANUAL FLOW CONTROL VALVE**
 Published In JETIR (www.JETIR.org) ISSN UGC Approved (Journal No: 63975) & 5.87 Impact Factor
 Published in Volume 6 Issue 5 , May-2019

Pooja P
 EDITOR
JETIR1905E01

S. S. S.
 EDITOR IN CHIEF
 Research Paper Weblink <http://www.jetir.org/view?paper=JETIR1905E01>



Registration ID : 210789

101

"Design, Development and Value analysis of Pneumatic Manual Flow Control Valve"

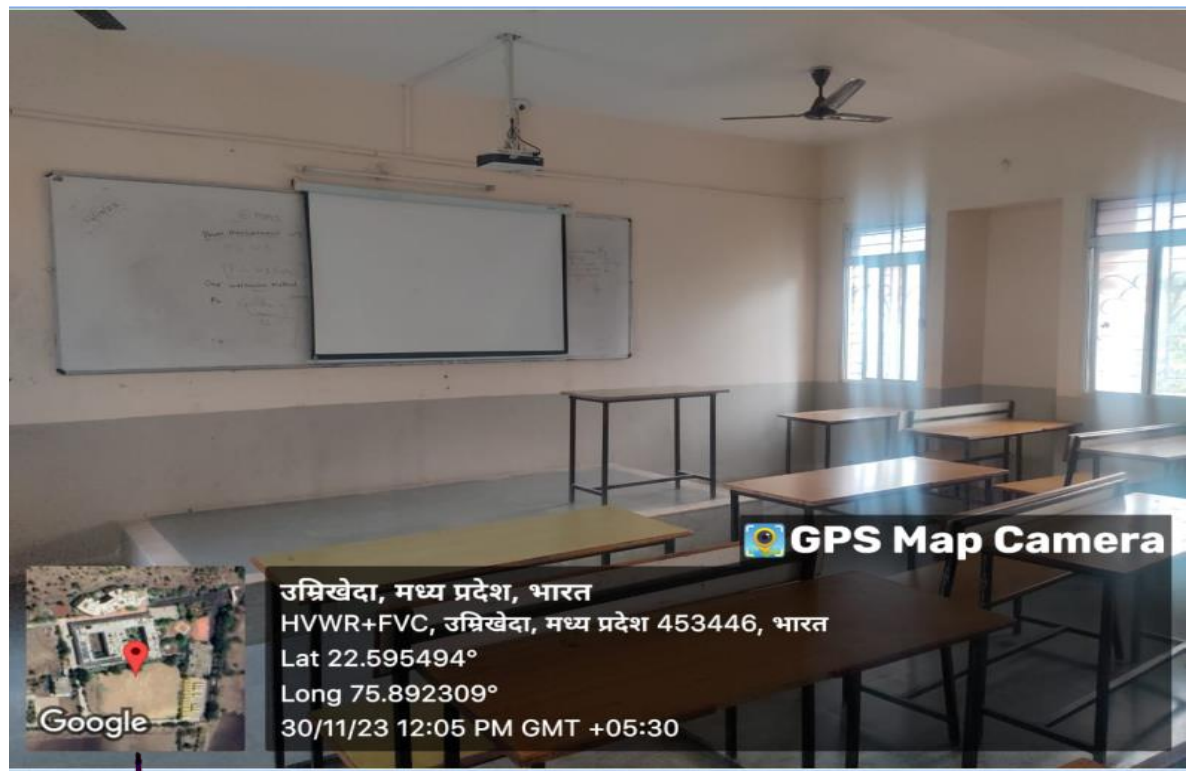
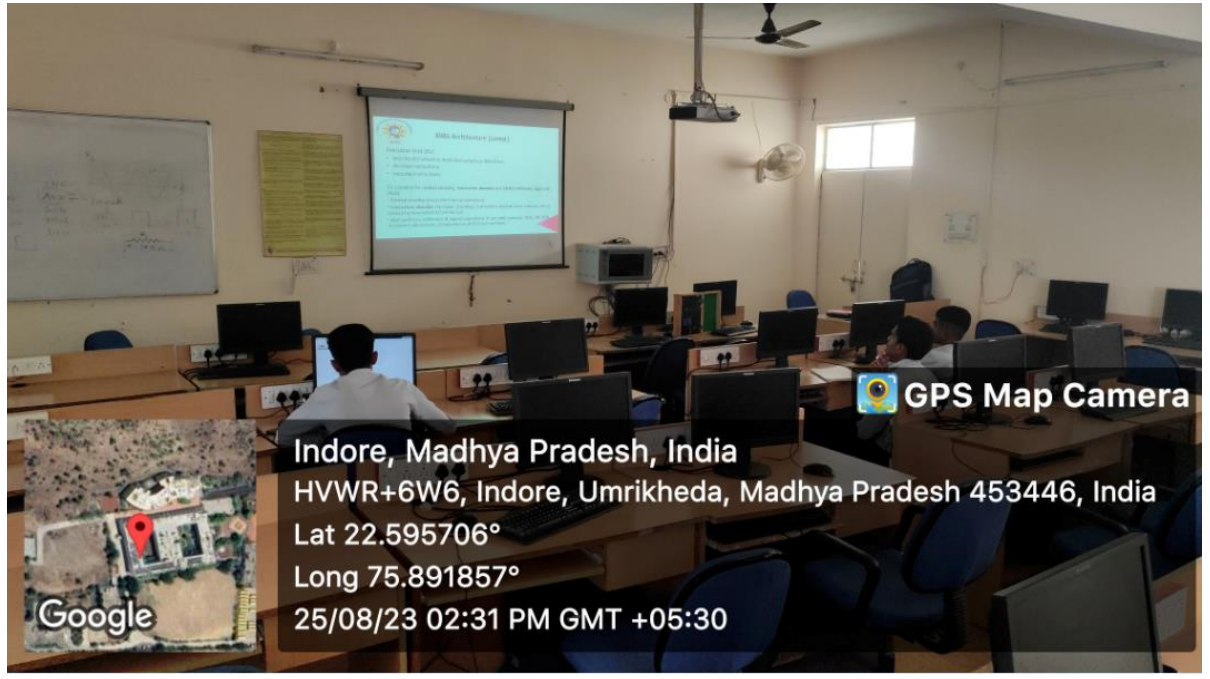
A. J.

IQAC COORDINATOR
 SWAMI VIVEKANAND
 COLLEGE OF ENGINEERING
 KHANDWA ROAD, INDORF

A. J.

PRINCIPAL
 SWAMI VIVEKANAND
 COLLEGE OF ENGINEERING
 KHANDWA ROAD, INDORF

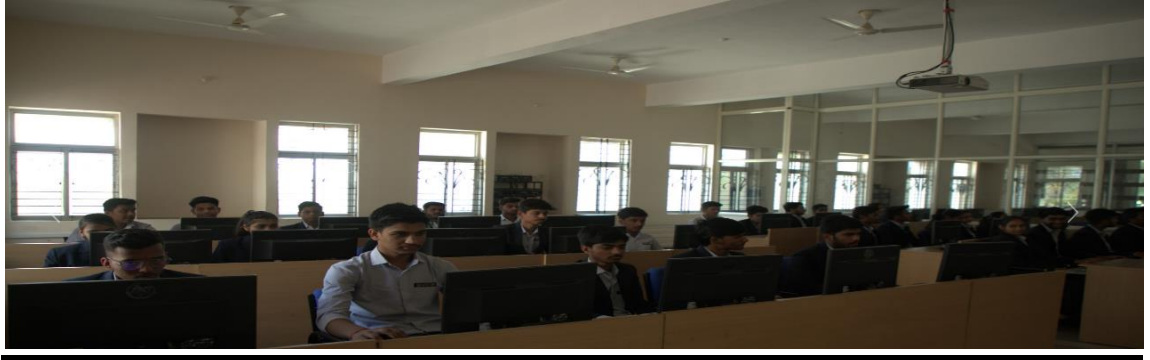
5 (a). Projectors



At
IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORF

At
PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE

5 (b). Computers with LAN connections




5 (c). Seminar room



5 (d). Auditorium

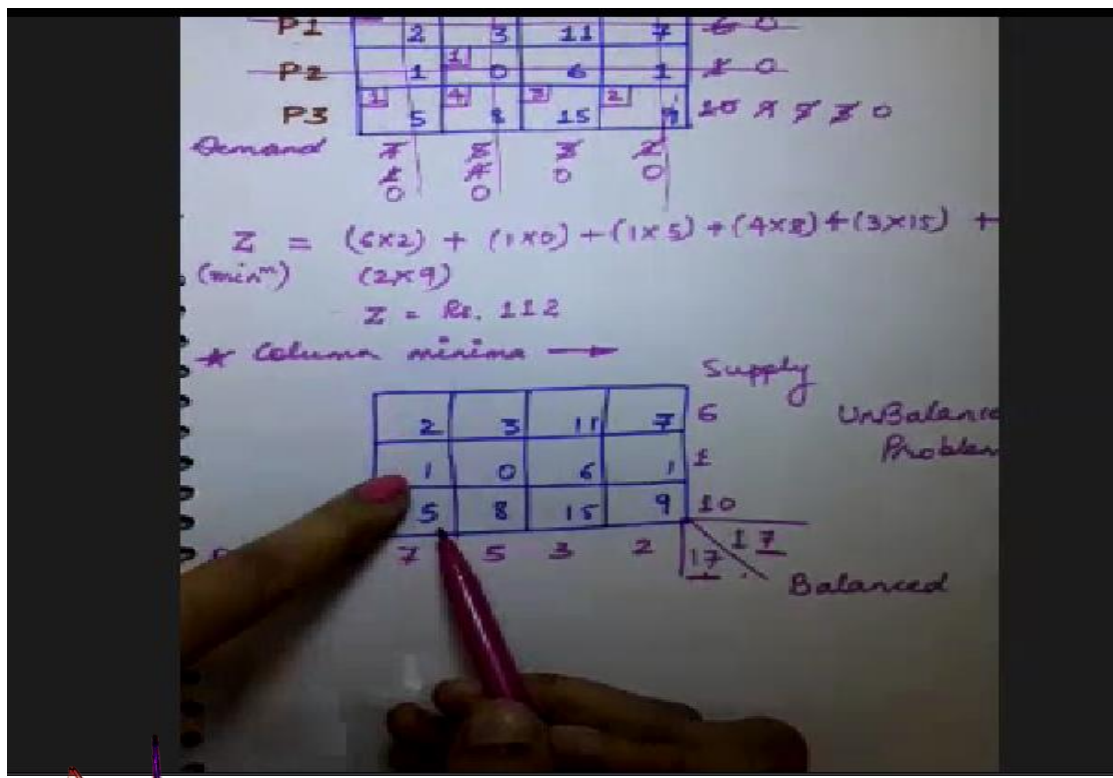
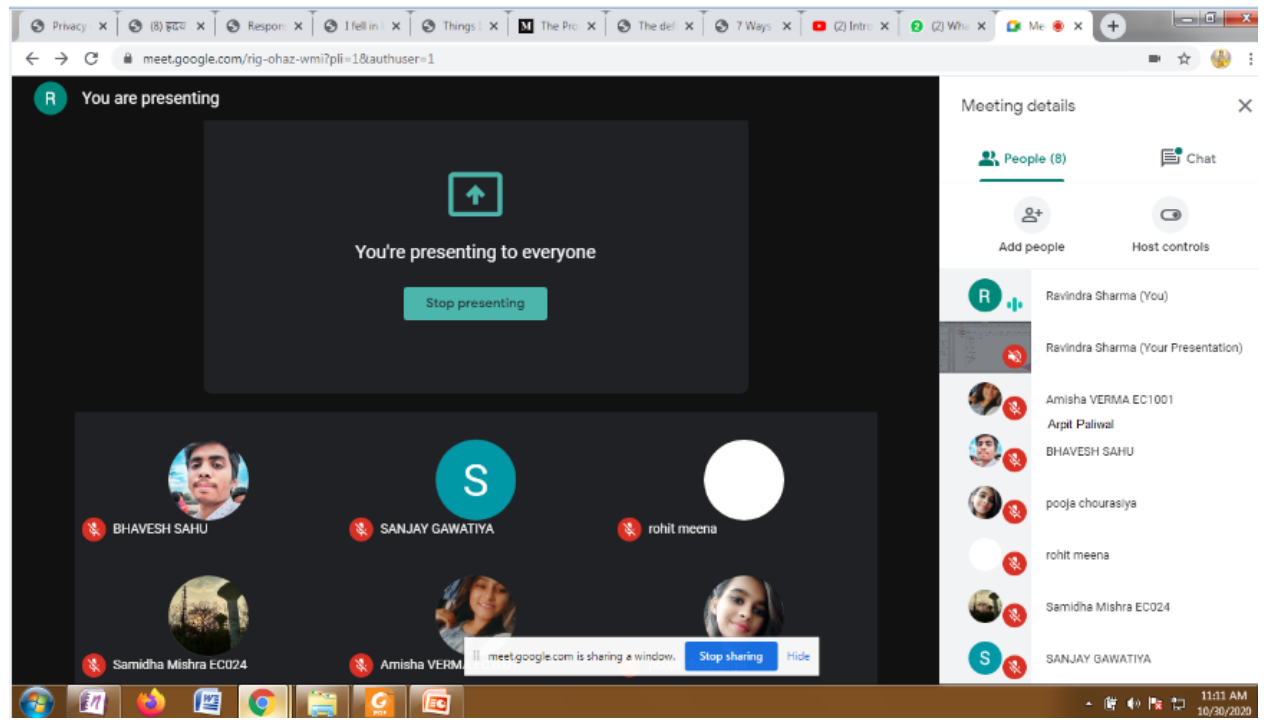


IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDROR


PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDROR

5 (e). Online Classes on Zoom and Google meet


➤ Video lectures on Zoom and Google meet




5 (f). Library Lecture

CS II SEMESTER (ROOM NO. 318)								
DAY/TIME	9:15-10:05	10:05 - 10:55	10:55 - 11:45	11:45 - 12:35	12:35-1:20	1:20-2:10	2:10 - 3:05	3:05-4:00
Monday	M-II (DND)	PHY (DND)	BME (RN)	BCEM (GV)	lunch	BCE (NF)	EP LAB B1 (AK) 305 MBA / BME LAB B2 (RN) 301 MBA	
Tuesday	M-II (DND)	BCEM (GV)	BME (RN)	BCE (NF)	lunch	PHY (DND)	LLS LAB B1 (AB) CR / EP LAB B2 (AK) 305 MBA	
Wednesday	PHY (DND)	BCEM (GV)	BCE (NF)	BME (RN)	lunch	M-II (DND)	BME LAB B1 (RN) 301 MBA / BCEM LAB B2 (GV) 303 MBA	
Thursday	BME (RN)	BCEM (GV)	BCE (NF)	PHY (DND)	lunch	M-II (DND)	BCEM LAB B1 (GV) 303 MBA / BCE LAB B2 (NF) 221 A	
Friday	BCE LAB B1 (NF) 221 A / LLS LAB B2 (AB) CR		M-II (DND)	BME (RN)	lunch	LIB	BCE (NF)	BCEM (GV)

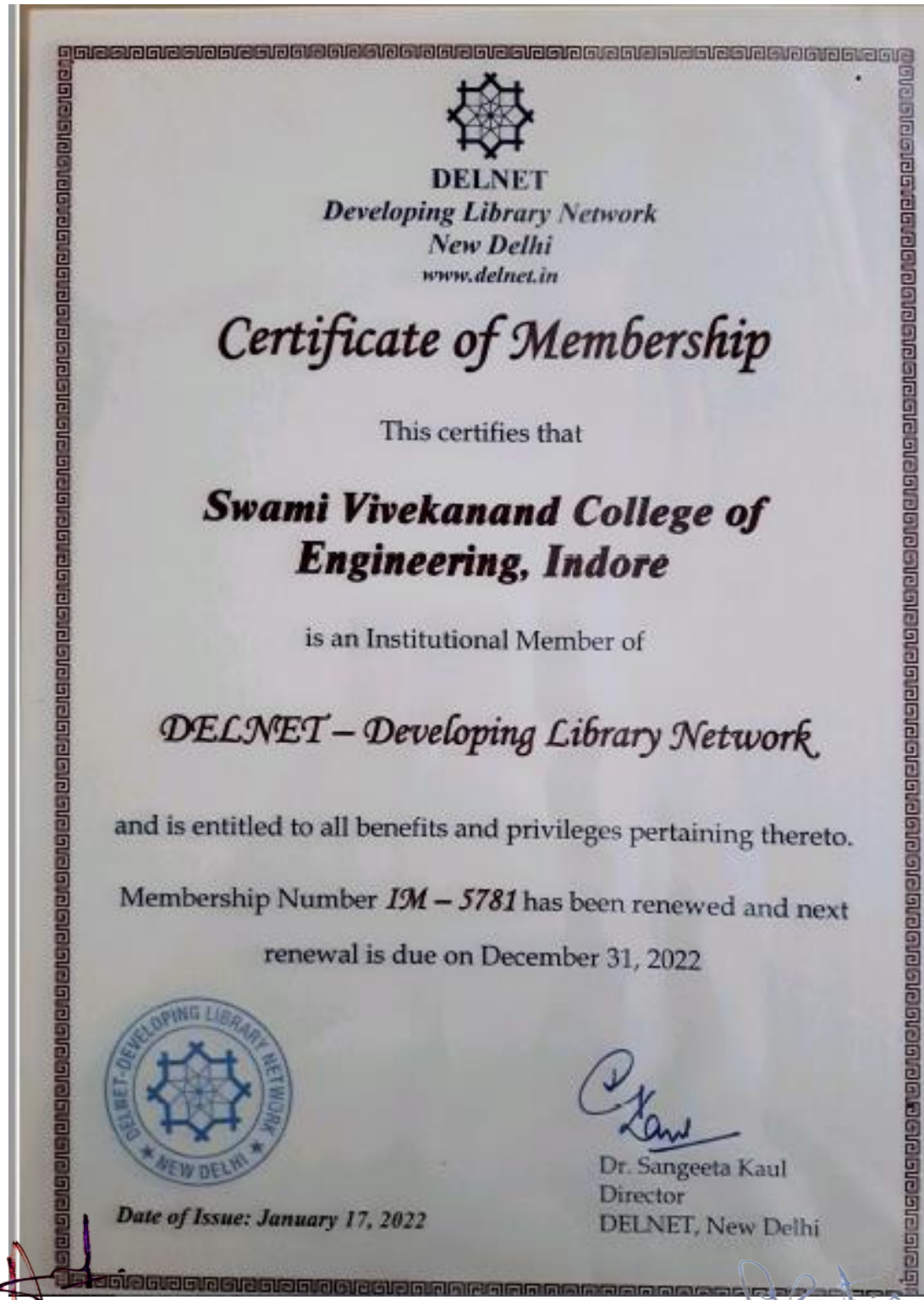
IT II SEMESTER (ROOM NO. 316)								
DAY/TIME	9:15-10:05	10:05 - 10:55	10:55 - 11:45	11:45 - 12:35	12:35-1:20	1:20-2:10	2:10 - 3:05	3:05-4:00
Monday	EG (SB)	BEE (PG)	EC (TR)	ENG (AB)	lunch	M-I (BU)	MP LAB (B1+B2) VW WS D	
Tuesday	BEE LAB B1 (PG) 302 M / ENG LAB B2 (PRS) 221 B		ENG (AB)	EG (SB)	lunch	EC (TR)	ENG LAB B1 (PRS) 221 B / EC LAB B2 (TR+KS) 206 M	
Wednesday	BEE (PG)	M-I (BU)	EC (TR)	ENG (AB)	lunch	BEE (PG)	EG LAB (B1+B2) (SB) 224	
Thursday	EG LAB (B1+B2) (SB) 224		M-I (BU)	BEE (PG)	lunch	EC (TR)	M-I (BU)	ENG (AB)
Friday	M-I (BU)	BEE (PG)	ENG (AB)	EC (TR)	lunch	EC LAB B1 (TR+KS) 206 / BEE LAB B2 (PG) 302 MBA		LIB


 IQAC COORDINATOR
 SWAMI VIVEKANAND
 COLLEGE OF ENGINEERING
 KHANDWA ROAD, INDORE


 PRINCIPAL
 SWAMI VIVEKANAND
 COLLEGE OF ENGINEERING
 KHANDWA ROAD, INDORE

5 (g). Developing Library Network (DELNET)

➤ Certificate of Membership




IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORF


PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE

5 (h). National Programme on Technology Enhanced Learning (NPTEL)

➤ Certificate of Appreciation




IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE



PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE


5 (i). Digital Library

➤ Ebook List available in Digital library-Applied Sc.

Sno.	Title	Author
1	1001 Motivational Quotes for Success Great Quotes from Great Minds	Thomas J Vilord
2	Advanced engineering mathematics	Erwin Kreyszig
3	All TOEFL Essay Questions	TOEFL Essay
4	Applied Chemistry_ A Textbook for Engineers and Technologists- 5th ed.	O V Rousak and H D Gresser
5	Aptitude Paper - Gate-2010	Gateforum
6	Basic Engineering Mathematics	John Bird
7	Basic Engineering Mathematics -	John Bird,
8	Basic English Grammar-	Azzar
9	Business Communication	Peter Hartley
10	Chemistry for Engineering Students-	Brown and Holme
11	Discrete Mathematics-	Schaum's Outline
12	Effective-communication Skills	FME
13	Eng Chemisty -	Evan and Lewis
14	Engg Chemistry	Jain & Jain
15	Engineering Chemistry-	Shikha Agarwal
16	English Grammar Secrets	Caroline Brown
17	English Grammar-	Murphy
18	English Grammar & Composition	Wren & Martin
19	English Language Communication Skills-	Urmila Rai
20	Fundamentals of English Grammar	Betty Schramper Azar
21	Fundamentals of Physics -	Halliday
22	Fundamentals of Probability and Statistics for Engineers- Math	Soong
23	GATE - ENGINEERING MATHEMATICS AND GENERAL APTITUDE -	Wiley by AK Maini
24	GATE Mathematics-	UPKAR
25	GATE Mathematics Questions All Branch	By S K Mondal
26	Give and Take	Adam Grant
27	Handy Formulae for Quantitative Aptitude Problems	Sagar Sonker
28	Higher engineering mathematics - 6 th ed.	John Bird,
29	Introduction to Probability and Statistics-Sheldon-	M Ross
30	Modern Physics, 3rd Edition -	K Krane
31	Motivation	Steve Chandler
32	Nothing Personal	Nirmala
33	OBJECTIVE GENERAL ENGLISH-	R S AGGARWAI
34	Physical Chemistry	Robert Mortikar

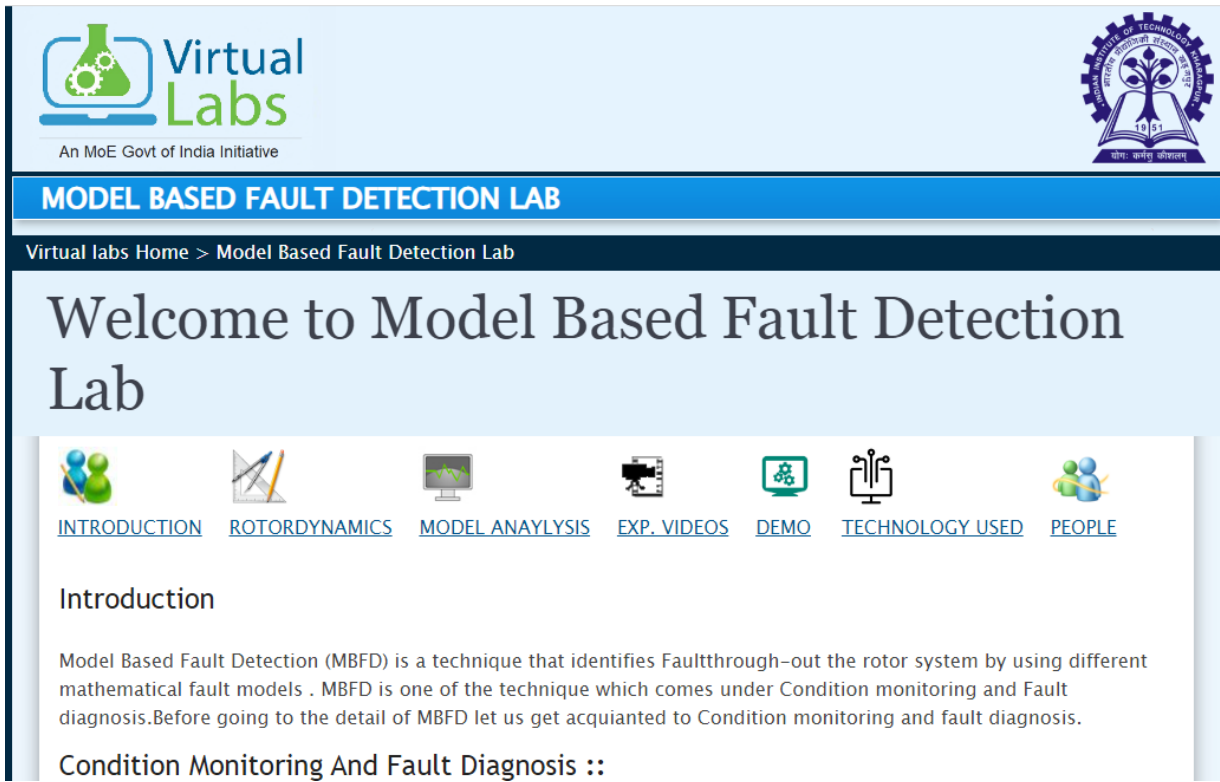
35	Physics for Engineers and Scientists	Hans C. Ohanian
36	Psychometric Success Verbal Ability - Critical Reasoning Practice Test 1	Paul Newton & Helen Bristoll
37	Psychometric Success Verbal Ability - Spelling Practice Test 1	Paul Newton & Helen Bristoll
38	Psychometric Success Verbal Ability - Word Meaning Practice Test 1	Paul Newton & Helen Bristoll
39	Quantitative Aptitude	R S Aggarwal
40	Quantitative Aptitude and Reasoning-	R V Praveen
41	Quantitative Aptitude For CAT(4th edition)	Arun Sharma
42	Teaching English Grammer	Jim Scrivener
43	Test of Reasoning – Verbal Non-Verbal - & General Intelligence Competitive Examinations -	Subbhuraj
44	The Feynman Lectures on Physics, Vol. I,II,III The New Millennium Edition	Feynman, Leighton, Sands
45	The Monk Who Sold His Ferrari-	Robin Sharma
46	Time Management Proven Techniques for Making Every Minute Count	Richard Walsh
47	Verbal & Rreasoning	R S Aggarwal
48	Verbal Advantage 10 easy steps to a powerful vocabulary-	Charles Harrington
49	Verbal and Non Verbal R easoning-	R S Aggarwal
50	Wings-of-Fire	APJ Kalam
51	Writing Better English	Ed Swick
52	Yes! 50 Scientifically Proven Ways to be Persuasive	Noah J Goldstein
53	Oxford English Grammar Course Advanced-	Oxford
54	Environment and ecology	Anil Kumar
55	Ecology and the Environment	Russell K. Monson
56	Discrete Mathematics for Computer Sc. Engineering	G Haggard
57	Elements of Discrete Mathematics	C.L. Liu
58	Environmental Pollution and Control-	Jeffrey Peirce & Ruth F.Weiner
59	English Grammar	Schaums Outline


 IQAC COORDINATOR
 SWAMI VIVEKANAND
 COLLEGE OF ENGINEERING
 KHANDWA ROAD, INDORF



 PRINCIPAL
 SWAMI VIVEKANAND
 COLLEGE OF ENGINEERING
 KHANDWA ROAD, INDORF


5 (j). Virtual labs

Link to Virtual labs of IIT Kharagapur – <https://www.vlab.co.in/>



The screenshot shows the Virtual Labs website interface. At the top left is the Virtual Labs logo with the text "An MoE Govt of India Initiative". At the top right is the IIT Kharagapur logo. Below the logos is a blue banner with the text "MODEL BASED FAULT DETECTION LAB". Underneath the banner is a navigation bar with the text "Virtual labs Home > Model Based Fault Detection Lab". The main content area features a large heading "Welcome to Model Based Fault Detection Lab". Below the heading is a row of seven icons with corresponding text links: "INTRODUCTION", "ROTORDYNAMICS", "MODEL ANALYSIS", "EXP. VIDEOS", "DEMO", "TECHNOLOGY USED", and "PEOPLE". The "Introduction" section is expanded, showing a paragraph: "Model Based Fault Detection (MBFD) is a technique that identifies Faultthrough-out the rotor system by using different mathematical fault models . MBFD is one of the technique which comes under Condition monitoring and Fault diagnosis.Before going to the detail of MBFD let us get acquainted to Condition monitoring and fault diagnosis." Below the paragraph is the text "Condition Monitoring And Fault Diagnosis ::".


IQAC COORDINATOR
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE


PRINCIPAL
SWAMI VIVEKANAND
COLLEGE OF ENGINEERING
KHANDWA ROAD, INDORE