



JAYAWANT SHIKSHAN PRASARAK MANDAL'S
Jaywantrao Sawant College of Engineering
(Approved by AICTE, New Delhi, Govt of Maharashtra and Affiliated to University of Pune)



Prof. Dr. T. J. Sawant
D.E.E., B.E. (Electrical), MISTE, Ph.D
FOUNDER SECRETARY

S. No. 58, Handewadi Road, Hadapsar, Pune - 411028
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Website : www.jspmjscoe.edu.in

Dr. Rajendra D. Kanphade
M.E., Ph.D. (Electronics Engg.)
LMISTE, FIETE, SMIEEE
Principal

Ref: JSCOE/Mech/21-22/

Date: 18/07/2022

To,
The Manager,
Lata Mangeshkar Hospital,
Near Mhatre Bridge,
Erandwane,
Pune-004.

Subject: Permission Letter for Industrial Visit to HVAC Plant.

Respected Sir,

Jaywant Shikshan Prasarak Mandal, Pune, is one of the pioneering Educational organization in Maharashtra. It has many educational campuses in Pune and around it. Jaywantrao Sawant College of Engineering is one of the growing professional institute of Jaywant Shikshan Prasarak Mandal, located at Hadapsar & affiliated to SPPU Pune.

Students of **BE Mechanical Engineering** from our College are interested to have a industrial visit at your esteemed Organization under the Subject "HVAC". This industrial Visit will help our students to get the feel of industrial environment. Their theoretical knowledge will get enriched due to practical experience from industry.

The duration of industrial visit/training will be as per your convenience. Our students will follow the rules & regulations of your organization. Dates recommended from our side 19 Aug or 26 Aug 2022. It will be our pleasure if you permit our students for the same.

Total No. of Students = 232 & Total No. of Faculty = 03

HOD

Dr. P. A. Patil



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[Id. No.: PU / PN / Engg. / 199 / (2004)]

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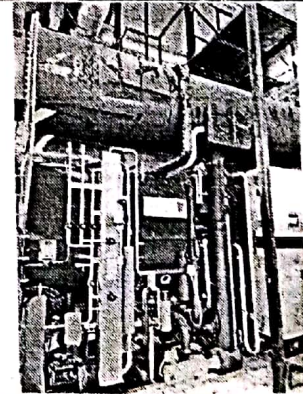
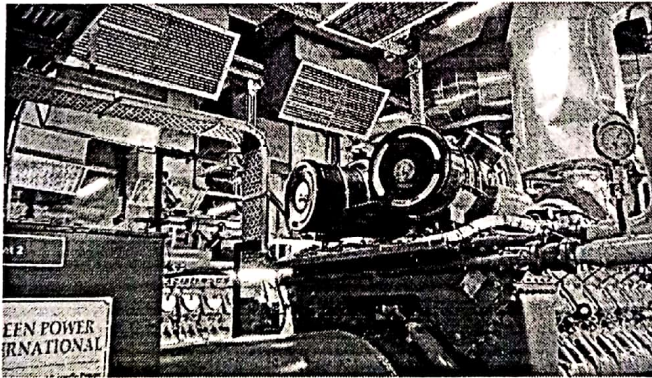
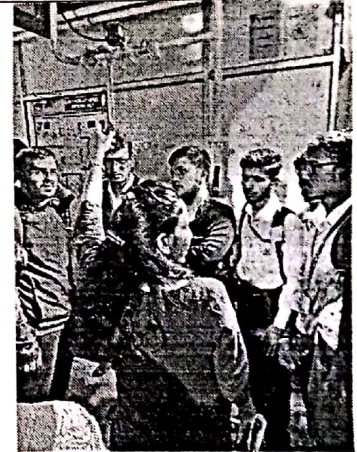
Dr. Jadhav M. G.
 M.E. Ph D. (Mech-Engg) F.I.E.(I)
 Principal

Prof. T. J. Sawant
 D.E.E., B.E.(Elec.), MISTE
 Founder Secretary

DEPARTMENT OF MECHANICAL ENGINEERING

One Page Report Visit:

Date and Time (Duration)	: 26/08/2022 ,10.00 am to 2.00pm
Location	: Deenanath Mangeshkar Hospital and Research Center, Erandwane, Pune
Course	: Mechanical Engineering
Subject	: Heating Ventilation Air Conditioning and Refrigeration
Resource Person	: Mr. Shailesh Pathak
Visit Objectives	: To Understand working of vapour absorption sytem used in air conditioning for hospital
Visit Outcomes	: Explain working and construction of vapour absorption sytem
No. of Students Attended	: 98



Subject Teacher

HoD(Mech)

[Vapour Absorption System, Deenanath Mangeshkar Hospital and Research Center,
Erandwane, Pune]



26-08-22

JSPM's Jayawantrao Sawant College of Engineering Hadapsar Pune-28					
Mechanical Engineering Department					
Roll Call List / Sem I, A.Y. 2022-23					
Class : BE A		Industrial Visit Attendance-HVAC			
Roll No.	Name of Student	Sign	Roll No.	Name of Student	Sign
4101	AURANGPURE SANKET NANDKISHOR		4140	KOKATE ABHISHEK NITINKUMAR	
4102	BADE OMKAR MANIKRAO		4141	KOTHAWALE SHREEDHAR GULAB	
4103	BAGAD RAHUL PRADIP		4142	KRUNAL ATUL KAWTHALKAR	
4104	BAGAV KARTIK DATTATRAY		4143	KULKARNI PRATIK PANDURANG	
4105	BARANGULE SUHAS BHARAT		4144	LOKHANDE SANDIP BIRMAL	
4106	BHALERAO AVANTIKA SANJAY		4145	LONDHE ROHIT BALASAHEB	
4107	BHOSALE SAURABH SAINATH		4146	MADANE SANTOSH CHANDRAKANT	
4108	BHUJBAL PIYUSH SUNIL		4147	MORE HARSHAL RAJENDRA	
4109	BORSE GANESH ANIL		4148	MULE VRUSHABH MAHESH	
4110	CHAVAN ANKIT DIPAKRAO		4149	MUNDHE BAI AJI BHAGWAT	
4111	CHAVAN HARSHAD VILAS		4150	NAGARGOJE TUSHAR BHAGWAN	
4112	CHAVAN RUTURAJ PRADEEP		4151	NANDE VISHAL GAJANAN	
4113	CHAVAN SHIVTEJ JAGDISH		4152	NARVEKAR CHETAN ANAND	
4114	CHINDARKAR BHUSHAN VIJAY		4153	NEVASE YASH YUVRAJ	
4115	DAKE BHAVESH DATTATARYA		4154	NEVE GAURAV PRASHANT	
4116	DANANE AKASH BALASAHEB		4155	NEVSE ABHISHEK RAJENDRA	
4117	DEAKANE HRUSHIKESH DILIP		4156	PALE AJAY MAHADEV	
4118	DHANDE SUBODH VILAS		4157	PATEL FARDEEN SABIR	
4119	DHONDGE KAIVALYA LAXMANRAO		4158	PATIL NIKHIL VIKAS	
4120	DHUMAL YASH UPENDRA		4159	PATIL TILESH GANESH	
4121	DIGHE RANJIT BHARAT		4160	PAWAR KRUSHNA SIDDHESHWAR	
4122	DIVEKAR ABHIJEET ARUN		4161	RASKAR AYUSH PRAVIN	
4123	EKMALLE CHANDAN HANUMANT		4162	RASKAR SHUBHAM TULSHIRAM	
4124	GAIKWAD VISHAL SUNIL		4163	SAWALKAR TEJAS MUKUND	
4125	GHALAKE MONALI ROHIDAS		4164	SHAIKH ARSALAN TUFEL	
4126	GHODAKE RITESH VIJAY		4165	SHAIKH SUFFIYAN FAYAZ	
4127	GODASE SAHIL SHEKHAR		4166	SHAIKH UMED HADI HAMEED	
4128	HAKS SOMNATH SHANKAR		4167	SHENDGE NIKHIL MANOJ	
4129	JADE AADITYA NARAYAN		4168	SHENDGE RUTWIK CHANDRAKUMAR	
4130	JADHAV PRATHAMESH NAVNATH		4169	SHINDE RITURAJ MAHENDRAKUMAR	
4131	JADHAV ROHIT GURUNATH		4170	SOLUNKE AVINASH KAMALAKAR	
4132	JAUNJAL ATHARVA PRASHANT		4171	SWAMI SHANTANU SOMLING	
4133	KADAM SHRINIVAS RAMESH		4172	TAKALE GANESH TUKARAM	
4134	KAMBLE KIRAN BALU		4173	TIWARI NAVEEN BRIJBHUSHAN	
4135	KAMTHE PRATIK SUDAM		4174	VEDPATHAK AMIT RAVINDRA	
4136	KAPARE NIKHIL DEVIDAS		4175	WABLE ABHISHEK BALASAHEB	
4137	KEDARI OMKAR RAJENDRA		4176	WAGDARE MAHESH ARVIND	
4138	KENKARE ROHINI PRAMOD		4177	WAGHCHOURE AMEY SANJAY	
4139	KHAPARE SANKET SURESH		4178	WARAD ANAND OMKAR	

JSPM's Jayawantrao Sawant College of Engineering Hadapsar Pune-28

Mechanical Engineering Department

Roll Call List / Sem I, A.Y. 2022-23

Class : BE B

Industrial Visit Attendance-HVAC

Roll No.	Name of Student	Sign	Roll No.	Name of Student	Sign
4201	ABDUL RAHAMAN SHEIKH		4240	PAWAR SUMIT SACHIN	
4202	ARAJ VISHAL UDDHARAO		4241	PAWARA VIKAS ROHIDAS	<i>[Signature]</i>
4203	BAHIRAT PRASAD PRABHAKAR		4242	PRANAV MUJMULE	<i>[Signature]</i>
4204	BELHEKAR ABHISHEK SANJAY		4243	PRATAP NAVALE	
4205	BIRADAR AAKASH ASHOK		4244	PRATHAMESH BALU KAMBLE	
4206	CHANDURKAR SANDESH TEJRAO	<i>[Signature]</i>	4245	RAHUL RAJARAM GIDDE	
4207	CHAVAN SANIYA NARAYAN	<i>[Signature]</i>	4246	RANAWARE PRATIK SANTOSH	
4208	DALVI SURAJ SUDHAKAR		4247	RANJIT BHAIKAVANATH SATPUTE	<i>[Signature]</i>
4209	DAWALE NISHANT BANDU		4248	RANJITKUMAR SHASHIKANT PATIL	<i>[Signature]</i>
4210	DESHKAR SUJAY SANJUKUMAR	<i>[Signature]</i>	4249	RASKAR PRATHAMESH UTTAM	
4211	DHAYGUDE GAURANG JAYWANT		4250	RASMAL NIKHIL PRABHAKAR	
4212	DHUMAL ATHARVA SANJAY	<i>[Signature]</i>	4251	RAUT ABHISHEK BALU	
4213	DIVE ANOSH SUHAS		4252	RAUT ANIKET KISHOR	
4214	DIXIT ADITYA JEEVAN		4253	RAUT SATYAM ASHOK	<i>[Signature]</i>
4215	GAIKWAD TEJAS ARVIND	<i>[Signature]</i>	4254	SACHIN DATTATRYA SIDHESHWARE	
4216	GEDIYA DIPESH BHOLA	<i>[Signature]</i>	4255	SAKET RAJEEV MOTEKAR	<i>[Signature]</i>
4217	GIRASE PIYUSH NARENDRASING		4256	SAKHARE OMKAR NARAYAN	
4218	GURAV YASH RAJARAM	<i>[Signature]</i>	4257	SALUNKHE ONKAR ASHOK	
4219	JADHAV PRANITA SHASHIKANT	<i>[Signature]</i>	4258	SALVE ANIKET CHANDERSEN	
4220	JANGAM ADITYA MOHAN	<i>[Signature]</i>	4259	SAWANT VAIBHAV PRASHANT	
4221	KAMBLE SHREYASH DIPAK	<i>[Signature]</i>	4260	SHAIKH KALIM AJJIPASHA	
4222	KASABE KRUSHNA NAGANATH		4261	SHAIKH NAVEED GAUS	<i>[Signature]</i>
4223	KAUNSALYE SAURABH DATTA	<i>[Signature]</i>	4262	SHINDE ABHIJIT B	<i>[Signature]</i>
4224	KEKAN ABHAY SURESH		4263	SHINDE ABHISHEK TANAJI	<i>[Signature]</i>
4225	KHALADKAR MAYUR SURESH		4264	SHINDE VIJAY SHASHIKANT	<i>[Signature]</i>
4226	KOTTE SAIVIRAT JAYARAMULU	<i>[Signature]</i>	4265	SHIVRAJ DATTA CHAVAN	
4227	KULAT SHANTANU PANDURANG	<i>[Signature]</i>	4266	SHUBHAM ANIL SUTAR	<i>[Signature]</i>
4228	LAKADE YUVRAJ ANIL		4267	SHUBHAM KUMAR SINGH	<i>[Signature]</i>
4229	LANDGE SHARAD NAGANATH	<i>[Signature]</i>	4268	SIDDHA HEMANT PANNALAL	
4230	MAHAJAN AYUSH PRAMOD		4269	SONAWANE ANIKET CHANDRAKANT	<i>[Signature]</i>
4231	MANE AMIT SHRAVAN	<i>[Signature]</i>	4270	THENGAL BALAJI RAMESH	
4232	MARKAD GURUDAS BAPU		4271	THORAT SHIVRAM DHARMARAJ	
4233	MOMIN SAIF RIYAZ		4272	TRATAK AKSHAY ARUN	
4234	MUJAWAR ALISHA NASIR	<i>[Signature]</i>	4273	VIBHUTE GANESH SURYAKANT	
4235	NHALVE SAURABH MANOJ		4274	WAGH AMOL RAJU	
4236	PATHAN GAUS SHAYAK		4275	WAYKAR SAGAR DATTATRAY	<i>[Signature]</i>
4237	PATIL HARDIK MAKARAND		4276	YENPE AKSHAY REVAPPA	<i>[Signature]</i>
4238	PATIL SAURABH DAYADHAN	<i>[Signature]</i>	4277	YERWAL SANDIP RAMDAS	<i>[Signature]</i>
4239	PAWAR SANKET SURESH	<i>[Signature]</i>			

JSPM's Jayawantrao Sawant College of Engineering Hadapsar Pune-28

Mechanical Engineering Department

Roll Call List / Sem I, A.Y. 2022-23

Class : BE C

Name of Student		Industrial Visit Attendance-HVAC		
Roll No.	Name of Student	Sign	Roll No. Name of Student Sign	
4301	BADEKAR PRATHAMESH SHYAM		4339 MARKAD HITESH BHAGVAN	<i>Markad</i>
4302	BHAVANTU BALASAHEB KARANJKAR		4340 NAGARGOJE AMOL KERU	
4303	BHISE CHAITANYA SUDHAKAR		4341 NAGARGOJE SATISH SUNIL	
4304	BHOLE SAURABH VASANT		4342 NARAYAN BHAUSAHEB SAGAR	
4305	BIDWAI HRITWIK MAKARAND	<i>bidwai</i>	4343 NILI JITESH GANESH	
4306	BOBADE ADITYA SHARAD		4344 PALEKAR BHAGYASHREE ASHOK	
4307	BORSE YADNYIK KIRAN	<i>3rd</i>	4345 PANJESHA M ALTAF SAIFAN	
4308	CHAUDHARI BHAVESH MADHAW		4346 PARDE KISHOR KALYAN	
4309	CHINDHE ROHIT RAMDAS		4347 PATIL ASHWIN MANOHAR	<i>As</i>
4310	CHOUKEKAR SIDDHESH RAMCHANDRA		4348 PATIL DEEPAK DINKAR	<i>Dee</i>
4311	DESHMUKH PRANAV YOGESH	<i>Pranav</i>	4349 PATIL PAWAN VISHWADIP	
4312	DHARMSALE SHUBHAM JIVRAJ	<i>Shubham</i>	4350 PATIL PRATIK PARSHURAM	
4313	YADAV PRANAVRAJ SUNIL		4351 PATIL SANIL JAYAVANT	
4314	DIVEKAR SAURABH ANANT		4352 PATIL VIVEK PURUSHOTTAM	
4315	DIXIT ROHAN MANGESH		4353 PAWAR SWARAJ SANJAY	<i>Sw</i>
4316	DUDHE HARSHAD RAVINDRA		4354 PIMPLE PRITI RAVINDRA	<i>P.P. Pimple</i>
4317	DUSANE RUSHIKESH LAXMIKANT		4355 RASAL ABHISHEK SHARAD	<i>Rasal</i>
4318	GAWALI SAMBHAJI DHANAJI		4356 RASKAR KRISHIKESH BABAN	
4319	GONJARI SAGAR SUNIL		4357 RAUT PRATIK MAHADEO	
4320	GOSAVI ADESH DAULAT		4358 RAYAKAR SHUBHAM JAYAWANT	
4321	JADHAV ROCHAN RAJENDRA		4359 SAGADE R. SHI BALASAHEB	
4322	JADHAV SAURABH SHIVAJI	<i>Jadav</i>	4360 SANGEWAR SARANG RAVINDRA	<i>Sarang</i>
4323	JAWADE SHREYASH RAJESH		4361 SATAV ROHIT JAYRAM	
4324	JETLA ADITYA DIPAK		4362 SHAH JASH AMIT	
4325	JOSHI CHAITANYA VIJAY		4363 SHAIKH AFNAN SHAHJAHAN	<i>Afnan</i>
4326	KABADAGI OMKAR ANNASAHEB		4364 SHENDE ANUP RAMCHANDRA	<i>Anup</i>
4327	KADAM ATHARVA GOKUL		4365 SHINDE ANIKET ANKUSH	
4328	KAGADE SANGHARSH GOVINDRAO		4366 SHITOLE OMKAR PRADEEP	<i>Shitole</i>
4329	KARHALE AKASH VIKAS		4367 SURVASE SHUBHAM PRAKASH	
4330	KATMANDE GANESH PANDURANG		4368 SURYAVANSHI CHETAN GHANASHAM	
4331	KHANDALE RUSHIKESH UDAY		4369 TAKALE ATHARV DIPAK	
4332	KHOMANE SANKET SANJAY		4370 TAMBE ANKIT SAMPAT	
4333	KHURANGE SARANG KALYAN	<i>Sarang</i>	4371 TAMBOLI ARBAAZ ALTAF	<i>Arbaaz</i>
4334	KSHIRSAGAR SWAPNIL RAVINDRA	<i>Swapnil</i>	4372 THITE AKASH ANNASAHEB	<i>Thite</i>
4335	KUNDU PRATYUS PRADIP	<i>Pradyus</i>	4373 VAGGE BHARAT ANNARAO	<i>Agge</i>
4336	LAKHANGIRE SHUBHAM BALAJI	<i>Shubham</i>	4374 WADEKAR PRATHAMESH NARAYAN	<i>Pradyus</i>
4337	MAHALE SAURABH MADHUKAR		4375 WARADE RUSHIKESH SUNIL	<i>Rushikesh</i>
4338	MANE MOHAN RAGHUNATH	<i>Mane</i>	4376 WARE SHUBHAM SOMNATH	<i>Ware</i>



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Founder Secretary

Dr. Jadhav M. G.
M.E. Ph.D. (Mech-Engg) F.I.E.(I)
Principal

Ref: JSCOE/Mech/22-23/

Date: 26/08/2022

To,
Mr. Shailesh Pathak
Manager
ALBAJ Engineering Corporation Pvt. Ltd

Subject: - Thanking Letter for Industrial visit at Deenanath Mangeshkar Hospital and Research Center

Respected Sir,

We want to thank for permitting and guiding our final year mechanical students for industrial visit of Air-conditioning system on 26/08/2022. It was a great experience for our students to understand the working of Vapour Absorption System by using waste heat recovery. The visit had definitely enhanced the practical knowledge of our students regarding subject named Heating, Ventilation, Air Conditioning and Refrigeration.

On the behalf of Mechanical Engineering Department of JSPM's JSCOE Pune, I am thankful to **Deenanath Mangeshkar Hospital and Research Center** for allowing us fruitful, and knowledgeable Visit. We also thank for hospitality provided by your Organization. We expect same cooperation in future.

J/C

Dr. P. A. Patil

HOD Mechanical

JSPM's JSCOE Pune



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Dr. Jadhav M. G.
M.E., Ph D. (Mech-Engg) F.I.E(I)
Principal

Ref: JSCOE/Mech/22-23/

Date: 26/08/2022

To,

Mr. Amol Sane

Incharge Project and Facility

Deenanath Mangeshkar Super specialist Hospital and Research Center

Subject: - Thanking Letter for Industrial visit at Deenanath Mangeshkar Hospital and Research Center

Respected Sir,

We want to thank for permitting and guiding our final year mechanical students for industrial visit of Air-conditioning system on 26/08/2022. It was a great experience for our students to understand the working of Vapour Absorption System by using waste heat recovery. The visit had definitely enhanced the practical knowledge of our students regarding subject named Heating Ventilation Air Conditioning and Refrigeration.

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We expect same cooperation in future.

Dr. P. A. Patil

HOD Mechanical

JSPM's JSCOE Pune

0/G

Experimental Parameters-PO Mapping and Justification Sheet

Class:- BE- Mechanical

Subject:- HVAC & R

Relevant Course Outcome (CO6):- Explain the working of types of desiccants, evaporative, thermal storage, radiant cooling, clean room and heat pump systems.

Title: Visit to air conditioning plant

Performance Parameter(P)	Statement	Mapped PIs
P1	Study of vapour absorption system	1.4.2 Explain the use of fundamental laws of thermodynamics, fluid mechanics and heat transfer to mechanical systems
P2	Represent the observed system with the help of schematic diagram and explain the working of system	4.3.4 Synthesize information and knowledge about the problem from the raw data to reach appropriate conclusions
P3	Explain the energy saving techniques used in system with its impact	7.1.2 Understands the concept of sustainable design and development
P4	Write effective reports as an individual as per guidelines	10.1.2 information Produce clear, well-constructed, and well supported written engineering documents

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High), if there is no correlation, put "-"

Performance Parameters	Slight (Low)	Moderate (Medium)	Substantial (High)
Study of vapour absorption system	Copy without understating	Copy with understating	Own Creation with full understating
Represent the observed system with the help of schematic diagram and explain the working of system	Copy without understating	Copy, but able to explain	apply with full understating and able to apply to similar problem
Explain the energy saving techniques used in system with its impact	Copy without understating	Obtained but with less accuracy	Obtained but with required accuracy
Write effective reports as an individual as per guidelines	Bad presentation	Moderate presentation	Good presentation