

Mechanical Engineering Department
Cultural / Co-curricular/ Extra-curricular Activities
AY 2019-2020 (ODD Semester)

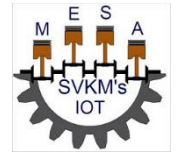
Departmental Activities Incharge: Mr. Dhiraj Bhandarkar

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Sr. No.	Activity Name	Activity Type (Workshop/ Conference/Webinar etc.)	Start & End DD/MM/YY	Page Number
1	Expert Talk on “CAD/CAM/CNC/CAE”	Expert Talk	25 th July 2019	01 – 01
2	Teacher’s Day Celebration	Teacher’s Day	05 th Sept. 2019	02 – 04
3	Parents Teachers Meet	Meet and Interaction session	07 th Sept. 2019	05 – 10
4	Opening Ceremony of “SIEMENS Excellence Centre”	Inaugural Ceremony	14 th Sept. 2019	11 – 15
5	Fresher's Party for Department students	Cultural Event	17 th Sept. 2019	16 – 21
6	Industrial Visit to Thermal Power Station, Eklahare, Nashik	Industrial Visit	06 th Nov. 2019	22 – 23



SVKM'S INSTITUTE OF TECHNOLOGY, DHULE



REPORT ON EXPERT LECTURE BY

SIEMENS & CAD-CAM GALAXY TEAM

NAME OF EXPERT : SIEMENS & CAD-CAM-GALAXY, MUMBAI

TOPIC : CAD/CAM/CNC/CAE

DATE : 25th July. 2019

The expert lecture covered the following points:

- Introduction to CAD/CAM/CAE & CNC.
- Various CAD/CAM Softwares available in the market and their applications & importance mainly for mechanical engineers.
- Different types of CNC Machines available in the market and their usage in the industries.
- Integration of CAD/CAM softwares with the CNC Machines.
- Production of various parts with the CNC Machines whose models are generated using the CAD/CAM Softwares.
- **SIEMENS CENTRE OF EXCELLENCE** proposal for SVKM'S IOT STUDENTS



Fig1: MECHANICAL DEPT COORDINATOR FALICITATING THE EXPERTS FROM CAD-CAM GALAXY & SIEMENS



Fig2: MECHANICAL DEPT FACULTY FALICITATING THE EXPERTS



Fig3: CAD_CAM_GALAXY_ & SIEMENS_TEAM_ DEMONSTRATING THE CAD CAM & CNC process

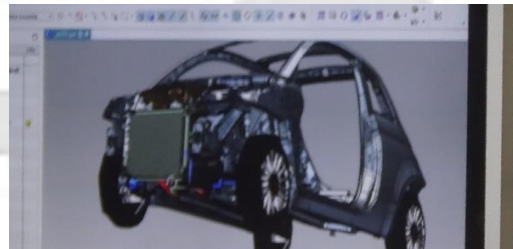


Fig4: CAR_MODEL_CREATED_USING_SIEMENS_NX_SOFTWARE



Fig5: EXPERTS INTERACTING WITH THE STUDENTS



Fig6: EXPERTS INTERACTING WITH THE STUDENTS



**SHRI VILE PARLE KELAVANI MANDAL'S
INSTITUTE OF TECHNOLOGY, DHULE**
Department of Mechanical Engineering

A brief report:

TEACHERS DAY-2019 CELEBRATION

“Teacher – a source of love and inspiration. A great teacher can change your life”

TEACHERS DAY is celebrated in fond memory of Dr. Sarvapalli Radhakrishna. A program was put up by S.Y and T.Y students on **5th of September, 2019** to acknowledge the efforts put in by our much loved teacher.

The event commenced with our Principal Dr. Nilesh Salunke giving a tribute to Dr. Sarvapalli Radhakrishna. The Principal of SVKM's IOT, Dr. Nilesh Salunke sir, Coordinator of Mechanical Engineering Department Mr. Mohammed Juneduddin sir and all teaching and non-teaching staff were felicitated by a token of love and appreciation by S.Y and T.Y students.

Teachers day is celebrated to show our acknowledgement and recognition of hard work put in by our teachers towards our development. The heart-touching speech by Principal and Coordinator sir perfectly demonstrated how a teacher is incomplete without a student and vice- versa.

The program was concluded with vote of thanks by Rahul Sharma. (T.Y. B. Tech students), it was celebration mode for everyone.



Fig1: Welcome of all teachers by the students



Fig2: Welcome speech by student representative Rahul Sharma



Fig3: Felicitation of teacher by students



Fig4:Guidance by our Principal Dr. Nilesh Salunke Sir and HOD Prof. Mohammed Juneduddin Sir



Fig5:S.Y & T.Y. students presented token of love to the Mechanical Department



SHRI VILE PARLE KELAVANI MANDAL'S INSTITUTE OF TECHNOLOGY, DHULE

Department of Mechanical Engineering

PARENTS TEACHERS MEETING

Held On: 7th-sep-2019

Organized by: Mechanical Engineering Department

For: The Parents of 3rd year and 2nd year B. Tech Mechanical Engineering Students

Minutes Of Meeting:

A parent's teachers meeting was held on 7th sep-2019. Total of 35 parents have attended the meeting. The following points were covered during the meeting.

SR.NO	TOPIC/POINTS DISCUSSED	PRESENTATION GIVEN BY
1	Departmental Presentation: 1)Introduction to the Mechanical Engineering Department 1) Introduction to the faculties, labs, activities, etc. 2) COURSERA COURSES. 3) KPIT-SPARKLE competition. 4) SIEMENS Excellence Centre.	PROF.MOHAMMED. JUNEDUDDIN
2	Eco-kart/other related events overview/presentation: svkm's achievements,etc	PROF.YOGESH SONAWANE
3	Aero-dynamic/related events, KPIT-SPARKLE: overview/presentations	PROF. SATISH R PATIL
4	NPTEL-overview/presentation	PROF.DHIRAJ BHANDARKER
5	Spoken-tutorials overview/presentation	PROF.PRAKASH KATDARE
6	GATE extra classes/other competitive exams preparation. Presentation.	PROF.MAHESH DALWANI
7	Examination schemes: end sem/mid-sem/test1/test2,etc as per respective classes,etc	PROF. BHUSHAN BEHEDE
8	Minimum attendance criteria and promotional criterion as per respective classes, Industrial visits , etc.	PROF.DATTATRAY DOIFODE

After the above mentioned presentations were over, all the parents personally met the Local Guardians of respective students and discussed with them in details about all the academic parameters and the overall performance of the students.

At the end of the meeting, a question answers session was also held and parent's feedback back forms were also collected.



Figure 1: Mechanical departmental Coordinator, Prof.Mohammed.Juneduddin delivering the presentation of parents-teacher's meeting held on 7th_sep_2019



Figure 2:Prof.Dhiraj Bhandarkar discussing about the NPTEL courses and their importance with the parents.



Figure 3: Prof. Prakash Katdare discussing about the SPOKEN TUTORIALS courses with the parents.



Figure 4: Prof. Mahesh Dalwani discussing about the GATE and other Competitive examinations with the parents



Figure 5: Prof. Yogesh Sonawane mentioning the Eco-Kart/Other events and achievements SVKM'S students in Ecokart-2019



Figure 6: Prof. Dattatray Doifode Discussing about the Minimum attendance requirement criterion of DBATU with the parents



Figure 7: Prof. Bhushan Behede describing the process on SGPA/CGPA and Examination scheme



SHRI VILE PARLE KELAVANI MANDAL'S
INSTITUTE OF TECHNOLOGY, DHULE

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Approved by AICTE, DTE & DBATU

BRIEF REPORT

Date: 16/09/2019

Inaugural Ceremony of:
SIEMENS EXCELLENCE CENTRE (SEC)
&
Memorandum of Understanding (MOU) Signage.

DATE: 14TH SEP-2019,
TIME: 1.00.PM

The *Department of Mechanical Engineering*, Shri Ville Parle Kelavani Mandal's Institute of Technology, Dhule On 14th sep-2019 has Inaugurated the **SIEMENS EXCELLENCE CENTRE (SEC)**. The purpose of this is to develop the skill sets in the students by establishing the Siemens Excellence Center (SEC) inside the institute campus and running the Siemens certified professional programs where the students will be trained on various softwares based on **CAD/CAM/CNC/CAE/CFD**. Various SIMENS PLM (Product life Cycle Management) softwares would be taught to the students by the professional and Authorised trainers directly appointed by the company. The scope of this training is to make available the skilled and employable graduates (mainly mechanical engineering students but not limited) to the industries & society in the field of design, development and research.

The Inauguration was done by the following eminent personalities

- 1) Dr. Sameer Goyal (Principal): - Shri Ville Parle Kelavani Mandal's Institute of Pharmacy, Dhule.
(Chief Guest of the Event: Academics)
- 2) Dr. Nilesh Salunke (Principal): - Shri Ville Parle Kelavani Mandal's Institute of Technology, Dhule.
(Chief Guest of the Event: Academics).
- 3) Mr. Nadeem Ansari (Director: CAD-CAM GALAXY: Authorised Training Partner of SIEMENS, Chief Guest of the Event: Industry)



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A **Memorandum of Understanding (MOU)** was signed between “Shri Ville Parle Kelavani Mandal’s Institute of Technology, Dhule.” And “CAD-CAM-GALAXY (Authorised Training Partner of SIEMENS PLM India Division)”.

After the felicitation session & the inauguration ceremony, **Dr. Nilesh Salunke (Principal)** in a very technical way addressed the audience and spoke about the importance of engineers to the society, their role and responsibilities.

After the much appreciated speech of the principal, Mr. Nadeem Ansari (Director: CAD-CAM GALAX) through the power point presentation described the global scenario of the design & development market focusing mainly on the SIEMENS PLM products and its peers and their industrial linkage and applications. Few more sessionS were also conducted by the experts from the CAD-CAM GALAXY and SIEMENS PLM team.

Prof.Mohammed. Juneduddin (HOD, Mechanical Engineering Department) continued the session and discussed about the strategies to be followed by the students to get absorbed in industries easily, the skill sets required by the industries and the ways to develop those skills set in students. All the faculties & students of Mechanical Engineering Department & other Departments of SVKM’S IOT attended the event. It was summed up and ended with the vote of thanks from HOD, mech. This inaugural event was also coupled with the celebration of **ENGINEER’S DAY** in advanced in lieu of celebration on 15th-SEP-2019.



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Department of Mechanical Engineering

Inaugural Ceremony of



SIEMENS EXCELLENCE CENTRE

SIEMENS
Ingenuity for Life

Memorandum Of Understanding (MOU) signage

Between



**SHRI VILE PARLE KELAVANI MANDAL'S
INSTITUTE OF TECHNOLOGY, DHULE**

&



**CAD CAM GALAXY, MUMBAI
(SIEMENS Authorized Training Partner)**

SIEMENS
Ingenuity for Life



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Figure: Dr.Nilesh Salunke (Principal), SVKM'S IOT, DHULE



Figure: SIEMENS CERTIFIED TRAINING PROGRAM



Figure: FELICITATION OF CHIEF GUEST



Figure. Faculties and students present in the function



Figure: ADDRESS BY THE HOD, MECH, SVKM'S IOT, DHULE



Figure: INDUSTRIAL EXPERT TALK (SIEMENS PLM)



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Figure: Mr. NADEEM from CAD-CAM GALAXY addressing the audience



Figure: ADDRESS BY THE PRINCIPAL



Figure: SIEMENS PLM EXPERT TALK



Figure: CHIEF GUESTS and GUEST OF HONOUR

Shri Vile Parle Kelavani Mandal's

INSTITUTE OF TECHNOLOGY, DHULE

Department of Mechanical Engineering

A report on "FRESHER'S PARTY-2K19 CELEBRATION"

Fresher – "It is not just another day, it is a new opportunity, a new change, a beginning of journey of college life, embrace it".

FRESHER'S PARTY is celebrated to welcome new students in the department. A program was put up by S.Y and T.Y students on 17^h of September (Tuesday), 2019. It was as a memorable day in the life of every fresher of B.Tech. 2019-20 batch, at SVKM'S IOT, Dhule campus.

The coordinator of Mechanical Engineering Department Mr. Mohammed Juneduddin sir and all teaching and non-teaching staff were present in the party. The fresher's day was filled with excitement, joy, music, enthusiasm, laughter and happiness. The dress code for the fresher's day was "dress your best".

The event was started with the introduction of fresher students. After that solo performance, fishpond, singing, dancing, shayari and many games were arranged by second year and third year students. After the event seniors were arranged the lunch for new students for their refreshment.

The very purpose of Fresher's party is to welcome newcomers in a friendly atmosphere and avoid social evils, to encourage their creative impulses to boost their confidence. It is the day where seniors and juniors finally bond and unite to celebrate being part of the college.

The entire event was covered by the MESA team with their excellent photography skills.



Dance, singing and rap performance



Fishponds and games



Program was anchored by Mr. Sudeep and Miss. Tejashree



Decoration done by MESA members



All Fresher's of year 2K19



Funny games for the Fresher's

The awards were given by the Coordinator sir to the respective students, with the frames to Mr. and Mrs. Fresher.



Enjoyment of all students after the event



Refreshment after the event



Refreshment after the event



All the volunteers of event Fresher's 2K19 (MESA Squad)



SHRI VILE PARLE KELAVANI MANDAL'S INSTITUTE OF TECHNOLOGY, DHULE

Department of Mechanical Engineering

Report of Industrial Visit

Name of the industry: Thermal Power Station, Eklahare, Nashik

Visit Date: 06/09/2019

Faculties Involved in the Visit: Prof. Dattatray S. Doifode & Mr. Mahindra Patil

Students: Third Year B. Tech. Mechanical Engineering

Description about Visit:

Nashik Thermal Power Plant is located at Eklahare village near Nashik in Maharashtra. This power plant is one of the coal based power plants of **Maharashtra State Power Generation Company (MAHAGENCO)**. Nashik Thermal Power Station has an installed capacity of $140 \times 2 + 210 \times 3 = 910$ MW. The first unit was commissioned in 1970. The cost of unit including civil works was Rs 56.5 crores. And the second unit also commissioned with the same cost under the first stage. Second stage of Power station 3 x 210 MW was started in April 1976. The power station campus includes self-contained township with all amenities. The entire land consists of 474 hectares. The power plant has got ISO Certification on April 2002.

During the visit the students have been given the demonstration of power plant by **Mr. S. K. Somwanshi**. And later on a site visit was carried out. Students have got the knowledge about the process of power generation and equipment's involved. Students have seen the practical working of the following parts, their location and function in thermal power station as well,

- Coal handling process (coal transportation, coal mills ,coal bunkers)
- Water tube boilers
- Turbines
- Condensers
- Feed pumps
- Cooling towers
- Chimney
- Electrostatic precipitators
- I.D. Fan and F.D. Fan
- Generators
- Transformers



Figure 1: INDUSTRIAL VISIT TO NASIK THERMAL POWER STATION



Figure 2: INDUSTRIAL VISIT TO NASIK THERMAL POWER STATION



Figure 3: INDUSTRIAL VISIT TO NASIK THERMAL POWER STATION



Figure 4: INDUSTRIAL VISIT TO NASIK THERMAL POWER STATION