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COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय



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(Id.No. PU/PN/Engg./093 (1992))

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Activities Conducted under Club and Chapters Year 2019-20

Sr. No	Name of the Activity	Date of Conduction	No. of participants
1	Expert Lecture on "Application of Principal Stresses and strain in FEA"	16/10/2019	88
2	Industry Visit at "Speciality Sintered Pvt. Ltd. Chakan, Pune & Vindhyachal Hydropower Pvt. Ltd. Chaskaman, Rajgurunagar, Pune" for SE Production s/w	12/10/2019	80
3	Expert Lecture on "Process of Powder Metallurgy with its Advantages and Applications."	03/10/2019	84
4	Visit to Exhibition: The India's 15th International Exhibition Automation 2019 at "NSE, Goregaon, Mumbai"	28/09/2019	70
5	Expert Lecture on "Plastic Injection Molding"	03/09/2019	43
6	Expert lecture on "Change lifestyle and stay healthy"	28/08/2019	56
7	Expert Lecture on "Sensors in Automobiles"	09/08/2019	67
8	Indian Karting Championship 3	14/02/2019	19
9	ZEALDRAG 3.0 (2019) -Zeal College, Pune	08/03/2019	19
10	ISHRAE Installation Chapter	23/09/2019	34
11	Workshop on "Fault Diagnosis in Refrigeration System"	27/03/2019	40
12	Awareness Drive on "Berojgar Abhiyanta Melava"	28/06/2019	78
13	Expert Lecture on "Career in Management Studies"	24/07/2019	42



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14	Expert Lecture on "Project Area Selection and Management"	02/08/2019	25
15	Industrial Visit at "PARI Robotics, Shirwal"	31/08/2019	30
16	Debate Competition	10/09/2019	15
17	Debate Competition	11/09/2019	10
18	Industrial Visit at "Science Park, Pimpri"	11/09/2019	56
19	Expert Lecture on "Career Counselling"	06/01/2019	73
20	Expert Lecture on "Awareness of Innovation Projects and Internship"	09/01/2019	22
21	Staff Field Visit at "Pawana Hydro Power Station"	14/01/2019	04
22	Industrial Visit at "Mahati Electricals , Yawat"	15/01/2019	57
23	Expert Lecture on " From Academics to Professional Life"	20/01/2019	50
24	Industrial Visit at "Pune Metro Rail Pimpri"	21/01/2019	46
25	Industrial Visit at "Pune Metro Rail Pimpri"	22/01/2019	50
26	Expert Lecture on "Electrical Machines"	01/02/2019	56
27	Expert Lecture on "Introduction of Debugging Tools"	20/12/2019	35



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28	Celebration of Guru Poornima	16/07/2019	84
29	Debate Competition	09/09/2019 to 10/09/2019	200
30	Guest Lecture on "Feasibility Study Of Pune Metro Project"	15/10/2019	92
31	BTM & GT Quiz	18/10/2020	62
32	Webinar on "Financial Literacy"	17/07/2021	120
33	Seminar on "scale-up of batch process and flow chemistry in batch reactors"	14/01/2019	61
34	Guest lecture on "Career Building"	15/01/2020	43
35	Seminar on "Scale-up of batch process and flow chemistry in batch reactors"	19/07/2019	48
36	Webinar on "Leadership Development in Women Professional Entrants"	30/05/2020	1379
37	One-Day Workshop on "Leadership Development in Women Professional Entrants"	12/07/2019	41
38	Expert Lecture on "Convolution and Recurrent Neural Network"	01/04/2019	120
39	Industrial visit at "Mapro Foods Pvt. Ltd"	05/04/2019	86
40	Project Exhibition	06/04/2019	64
41	Mini Project Exhibition	07/04/2019	93




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42	Wall Magazine	08/06/2019	10
43	Expert Lecture on "JAVA Applets"	10/04/2019	77
44	Inauguration Ceremony of Centre of Excellence in Robotics and Process Automation	12/04/2019	160
45	Expert Lecture on "Importance of Students' Chapter Membership"	21/06/2019	65
46	Demonstration of "NPTEL Video K-Maps"	26/06/2019	46
47	Expert Lecture on "Awareness of NPTEL Online Courses of IITs, Examination, Its Importance, and Registration Process"	02/07/2019	45
48	Expert Lecture on "IC Fabrication Process: Silica to Silicon(VLSI)"	09/07/2019	30
49	Expert Lecture on "Students' Club & Welcome of SE E & TC Students"	11/07/2019	120
50	Expert Lecture on "Leadership Development in Women Professional Entrants"	12/07/2019	41
51	Expert Lecture on "Mechatronics"	16/07/2019	59
52	Gurupournima Celebration	16/07/2019	165
53	Selfi with Guru Campaign	16/07/2019	180
54	Tree Plantation	16/07/2019	20
55	Expert Lecture on "Is Indian Nationalism comes from movies?"	16/07/2019	15



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56	Expert Lecture on "Amruta Software"	16/07/2019	105
57	Expert Lecture on "Zira Software"	16/07/2019	105
58	Automation Anywhere	17/07/2019 to 19/07/2019	62
59	Expert Lecture on "Simulation and PCB Design"	19/07/2019	55
60	Expert Lecture on "Project Topic Selection and Synopsis Writing"	19/07/2019	50
61	Soft Skill Training	22/07/2019 29/10/2019	51
62	BE Project Work	23/07/2019	56
63	BE Project Work	24/07/2019	56
64	BE Project Work	25/07/2019	56
65	One Day Workshop on "Campus to Corporate Initiative" 1) Aptitude Test 2) Personal Interview Techniques 3) Technical Quiz	26/07/2019	120
66	Expert Lecture on "NBA Presentation to TE E&TC Students"	26/07/2019	64
67	Expert Lecture on "NBA Presentation to SE E&TC Students"	26/07/2019	60
68	Expert Lecture on "NBA Presentation to TE Electronics Students"	26/07/2019	23



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69	Expert Lecture on "NBA Presentation to BE Electronics Students"	26/07/2019	54
70	Soft Skills (Training Program)	29/07/2019	51
71	Seminar on "Awareness of IEEE Membership"	31/07/2019	120
72	Technical Quiz (Entrance Examination for Students Club Committee Recruitment)	01/08/2019	75
73	Career Counselling Session	02/08/2019	65
74	Induction Program of new Recruited Students of Avit-O Virtue Drone and Robotics Club	09/08/2019	55
75	Quiz on "EDC"	13/08/2019	60
76	Quiz on "SS"	14/08/2019	60
77	Quiz on "ECM"	16/08/2019	60
78	Quiz on "DSA"	19/08/2019	60
79	Quiz on "DE"	20/08/2019	60
80	Speak for India Pune Region Debate Competition Sponsored by Federal Bank	19/08/2019	100
81	Social Event to Help Flood Affected People at Kolhapur	19/08/2019 to 23/08/2019	12
82	Expert Lecture on "Importance and Benefits of IEI Students' Chapter"	20/08/2019	90



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83	Expert Lecture on "Importance and Benefits of IEI Students' Chapter"	20/08/2019	120
84	Expert Lecture on "Importance and Benefits of IEI Students' Chapter"	21/08/2019	130
85	Expert Lecture on "Base Transceiver Station (BTS) Microwave Antenna, Manchar"	23/08/2019	40
86	Historical Visit at "Shivneri Fort, Junner"	23/08/2019	40




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Samples of Activities Conducted



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DEPARTMENT OF CHEMICAL ENGINEERING

IIChE Students Chapter

REPORT - HALF DAY SEMINAR ON "Scale-up of batch process and flow chemistry in batch reactors" dated 19th Jul, 2019

The Department of Chemical Engineering and Indian Institute of Chemical Engineering (IIChE) Students' Chapter organized a half day seminar on "Scale-up of batch process and flow chemistry in batch reactors" on 19th July, 2019, venue: Department Seminar Hall, Room No. 442 at 1:00 p.m. onwards. The guest of honour was Mr. Chetan Shende, Senior Scientist, Dr. Reddy's Institute of Life Sciences, Hyderabad. Ms. Manali Kulkarni, TE Chemical welcomed the audience and anchored the event. Dr. P. N. Dange, Head- Department of Chemical engineering inaugurated the event and felicitated Mr. Chetan Shende by giving memento and the Chhatrapati Shahu Maharaj autobiography, the book of his remarkable societal work. In an inaugural speech, Dr. P.N. Dange initiated the purpose of this seminar and also emphasized the utility of this seminar to Chemical engineering students in their final year projects, in small businesses and entrepreneurship works. For newly admitted second year students, it is the value addition in knowledge point of view.

The talk was divided in two halves- the first part was explained on "scale-up of batch reactors" and the second on "flow chemistry of batch reactors".

In the first part, Mr. Shende explained the design scales - lab scale, pilot plant scale and commercial scale. He also explained the necessity to scale-up the plant. In connection to the plant scale-up Mr. Shende further emphasized on batch and continuous processes. The pharmaceutical companies are usually run on batch processes and there is a huge demand of Chemical Engineers in pharmaceutical sector. In designing the process he has given lot of





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illustrations for selection of material for design and fabrication work. The knowledge of MOC (material of construction) is important in food and pharmaceutical sectors because of the need of high purity. The students of third year were enthusiastic and asked to give case studies regarding handling of acidic and basic materials. Mr. Shende answered that the acidic processes are carried out in Glass-lined reactors (GLR) and that of alkali in rubber-lined reactors (RLR). The life of reactor is important and accordingly it is replaced as per the maintenance and reactor life-span. In scaling the reactor from lab to pilot plant scale, the scale-up proportion is not linear. Therefore the designer should take at-most precaution to obey the National IS-standards. He further showed the criterion for fitting the right agitator blade to reactor. The example of anchor blade was really interesting for the students as it only rotates the entire mass of reactor without mixing. The final year students asked the question to manage the heat of reaction. Mr. Shende further elaborated the need of waste heat boiler, limpet coil construction and jacket to the vessel to manage the heat of reaction. Mr. Shende encouraged the students to work in batch processes, especially for third and final year students on pharmaceutical projects.

Mr. Shende explained the concepts of flow chemistry and its industrial importance. The application is extended to micro-reactors. The micro-reactors are the small reactors having all the essential properties of industrial reactor. On the other part micro-fluids are having innumerable applications in industry especially in electronics. The micro-fluids can also be used in heat pipes, electronic circuitries, and in quality control laboratories. The flow chemistry essentially based on Newton's laws of viscosity. These fluids are further broadly classified as Newtonian, Non-newtonian, Bingham plastic and dilatant. Mr. Shende emphasized that one should study the rheology of such fluids before their application. Mr. Shende, further showed stress-strain analysis and fluid properties that are essential before the applications. The second session was for almost one and half hour. Total fifty-five participants were present for the program.

Glimpses of the program are as seen in the photographs.




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Ms Manali Kulkarni anchoring program



Welcome by Dr P N Dange, Head of dept.



Address by Head of department



Audience listening the address by Guest



Mr Shende briefing his content



A detailed explanation by Mr. Shende



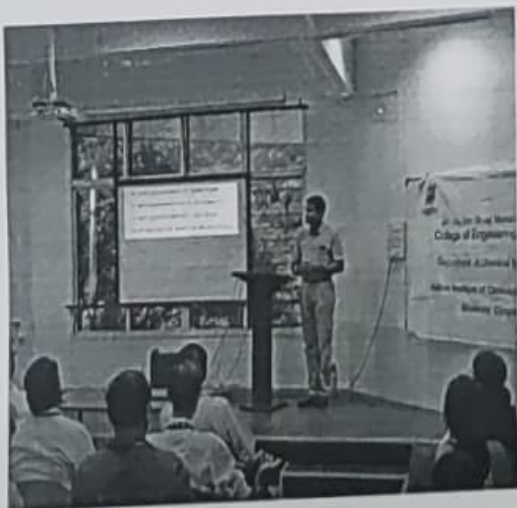
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Audience listening the talk



Solving the queries to audience



The flow chemistry concepts by Mr. Shende



Vote of thanks by Dr. Naniwadekar

At the end of this session Mr. Shende replied to several queries raised by students especially from second year students. The session was ended at 4.45p.m. by the vote of thanks of

Dr. M. Y. Naniwadekar

Dr. M.Y. Naniwadekar

Coordinator

IICChE Students Chapter

for Dr. P.N. Dange

Head

Head

Deptt. of Chemical Engg
Department of Chemical Engineering
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Department Of Computer Engineering

REPORT

Demonstration Lecture on "Debugging Tools"

Objectives of Expert Lecture: Introduction of Debugging tools

Date of expert: 20th December 2019 at 11 am to 12 pm.

Expert Name: Mr. T Jain.

Expert Organization: CodeTantra Ltd.

About Expert: Computer Engineering Department under IE(I)Students' Chapter organized Demonstration Lecture on Debugging Tools, on 20th December 2019 for Third year engineering students. 35 students actively participated in this lecture.


During student interaction, Mr. Jain spoke about the challenges students face in coding. He also explained need of debugging while writing codes in IT. All the doubts of students were well clarified by Mr. Jain. This lecture was successful enough to attract many students of Third year Computer Engineering

Glimpses of the event:




(Ms. Ankita Gupta & Ms. Bhakti Patil)

Event Coordinators


(Dr. D.P. Gaikwad)

H.O.D.

H.O.D.

Computer Engg Dept
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