



### Guest Lectures:

#### **Guest Lecture on “Role of Chemical Engineers in Industries”**

A guest lecture was conducted on “Role of Chemical Engineers in Industries” by Department of Chemical Engineering and Department of Chemistry on 28<sup>th</sup> September, 2019 delivered by Mr. Arun Gupta, Vice President & Local Head form Dr. Reddy’s Laboratory Ltd., CTO-6. In his lecture he emphasized on the role of chemical engineers in pharmaceutical industry in various divisions such as process flow and design space, design and setup of batch reactors, design of various equipment, plant utilities, sustainability improvement in the industry. He pointed out that it can be possible only when student should have sound knowledge on various chemical engineering basics in depth and also good communication skills. Students are benefitted by the session and thus a student interactive session was also arranged. Head of Department of Chemical Engineering, faculty and students participated in the session.



**Mr. Arun Gupta delivering his lecture to the students.**

#### **“Guest Lecture on modelling and simulation in Chemical Engineering”**

A guest lecture cum interactive session was organized by Department of Chemical Engineering, ANITS on 21<sup>st</sup> November 2019 by Prof. M. Chidambaram, Emeritus Professor of Department of

Chemical Engineering, NIT Warangal. He spoke on “Modeling and Simulation in Chemical Engineering”. Sensitivity analysis, model validation, analysis of deactivation and disguised kinetics in Transport reactor were discussed. He quoted that “when you stop learning you stop growing”. Dr.Ch. Anil, Head of the Department of Chemical Engineering and all faculty and students attended the lecture.



**Prof.M. Chidambaram delivering his lecture in the seminar hall of the department**

### **Guest Lecture on “Current Trends in the Field of Engineering and Sciences”**

A guest lecture cum interactive session was organized by ANITS on 31<sup>st</sup> January 2020 by Mr. M. Ramakrishna, School of Systems Biology, George Mason University, USA on “Current trends in the field of Engineering and Sciences (STEM) fields”. The speaker focused on opportunities for engineers in various fields like Genetics, Biotechnology, Nanosciences. He also emphasized on the importance of Data Analysis in the different fields. He shared his life experiences on how one can go for higher studies through research. He highlighted the role of statistics in our day-to-day life. Students were motivated by the session and thus a student interactive session was also arranged. All the faculty and III/IV students of chemical engineering department participated in the program.

### **Industrial Visits:**

#### **Industrial visit to M/S Aurobindo PharmaLtd., Pydibhemavaram**

An Industrial visit was organized by the Department of Chemical Engineering to M/S Aurobindo Pharma Ltd. on 14-09-2019 and it was successful with 45 students of III/IV B. Tech. accompanied by Faculty, Mr. M. Koteswara Rao, Ms. S. Harika and Lab Technician, V. Pawan Kumar. Mr. Narayana Rao, Manager-QC has given a brief outlook on the Company and

processes being carried out. Mr. Shivaji, AGM-QC explained the necessity of a QC lab and given a detailed demonstration on different equipment like HPLC, GC, UV-spectroscopy etc., Later on Mr. P. Srinivasa Rao, DGM-QC, arranged a visit for students around the Penicillin production unit elaborating about reactor, crystallizer, dryer etc., and cleared the doubts of the students on various operations/equipment. Students gained practical knowledge apart from theory. They were well satisfied with an exposure to Pharma Company and their working environment. The visit ended with a hospitality lunch provided by Aurobindo Pharma Ltd.



**Aurobindo officials, Faculty and students at the plant**

### **.Industrial visit to M/S Govada Sugar Factory, Chodavaram**

A good number of 46 students of III/IV B. Tech. Chemical students along with Mr. B. Pradeep S Kumar and Dr. D. Anjali, Assistant Professor of Chemical Engineering Department, ANITS visited the M/S Govada Sugar factory, Chodavaram on 07-03-2020. The unit operations like crushing, clarification, evaporation, crystallizer, centrifuging is shown and well explained by the concerned people of the sugar plant. Students attained some practical exposure of the equipment. Overall, the students felt the visit was very interesting & useful. Students enthusiastically participated throughout the day of visit.



**Factory officials, faculty and students at the factory in Chodavaram**

## **Workshops:**

### **“National Level workshop on MATLAB for Engineers”**

The Department of Chemical Engineering, ANITS, Visakhapatnam, in association with ANITS IChE Students chapter under Walter Region Centre organized a two-day National Workshop on, “MATLAB for Engineers”, during 27<sup>th</sup> and 28<sup>th</sup> Dec., 2019. The chief guest of the inaugural function is Prof. R. Padma Shree, Chemical Engineering Department, Andhra University, and Prof. T.V. Hanumantha Rao, Principal; ANITS is the president of the function. Dr. Ch. Anil, Head of the chemical Engineering department and Dr. D. Anjali, convener of the workshop were also present on the dais.



**Principal T.V. Hanumantha Rao addressing the students who attended the workshop**



### **Students from various colleges across the state at the workshop**

Prof. T.V. Hanumantha Rao, in his presidential remarks insisted students to learn new technologies/skills so that they will be industry ready. He also emphasized the importance of computational skills in the present era. He expressed the tools like MATLAB will help in solving the complex engineering problems easily and advised the students to learn the tools in a true spirit. He congratulated the department and the organizers for organizing such a workshop for the students.

Prof. R. Padma Shree, the Chief Guest, explained the origin and uses of MATLAB tool. She also gave her keynote address for day-1 and explained how MATLAB is useful for engineers by taking different case studies. She has explained how to solve steady state and dynamic reactor problems, control system problems and bio-reactor problems.

HOD, Dr. Ch. Anil, in his address expressed, the department will always encourage students to learn such new technologies and will organize many such events in future also for the benefit of the students. Prof. R. Srikanth, Dr. M. Shiva Naresh, Mr. B. Pradeep Santosh Kumar, Mr. K. Koteswara Rao are the other resource persons for the workshop. Prof. S. Subba Rao, Ms. S. Harika, Dr. K. China Malakondaiah, other faculty and Students were present on the occasion.

### Placements details of 2016-20 Batch Students

S. No	Register ID	Name of the Student	Placed Organization
1	316126502001	Mr. A. Roshan Nag Kumar	Divi's Laboratories Ltd.
2	316126502002	Mr. A. Nikhil Sai Srinivas	Laurus Labs Limited & Divi's Laboratories Ltd.
3	316126502005	Mr. Bojanki Prudhvi	Divi's Laboratories Ltd.
4	316126502006	Mr. Chandaka Sai Kumar	Divi's Laboratories Ltd.
5	316126502007	Mr. Chinta Sai Kiran	Deccan Fine Chemicals (India) Pvt. Ltd.
6	316126502008	Mr. Chitakana Swamy Sai	Divi's Laboratories Ltd.
7	316126502009	Ms. D.Ramya bharathi	Deccan Fine Chemicals (India) Pvt. Ltd.
8	316126502011	Mr. G.S. S. A. Hemanth	Deccan Fine Chemicals (India) Pvt. Ltd. & Divi's Laboratories Ltd.
9	316126502012	Mr. Gundu Hemanth	Divi's Laboratories Ltd.
10	316126502013	Mr. Jinnla Sravan Kumar	Divi's Laboratories Ltd.
11	316126502014	Mr. Joel Sunadh Christin Allury	Hetero Drugs Pvt. Ltd.
12	316126502015	Mr. J. Chandra Sai Girish	Divi's Laboratories Ltd.
13	316126502016	Mr. Kilaparathi Kamalakar	Deccan Fine Chemicals (India) Pvt. Ltd. & Divi's Laboratories Ltd.
14	316126502019	Mr. N. Manoj Yadav	Divi's Laboratories Ltd. & Hetero Drugs Pvt. Ltd.
15	316126502020	Mr. Peddina Sampath Kumar	Deccan Fine Chemicals (India) Pvt. Ltd. & Divi's Laboratories Ltd.
16	316126502021	Mr. P. Poorna Chandrasekar	Deccan Fine Chemicals (India) Pvt. Ltd.
17	316126502022	Ms. R. N. Krishna Keerthana	Focus Academy for Career Enhancement (FACE) & Deccan Fine Chemicals (India) Pvt. Ltd.
18	316126502023	Mr. Ronanki Mozes	Divi's Laboratories Ltd.
19	316126502024	Ms. Sepana Anitha	Polmon Instruments Pvt. Ltd.
20	316126502025	Mr. Shorab Mallo	Torreacid India Pvt. Ltd.
21	316126502027	Mr. Surisetty Sai Naresh	Divi's Laboratories Ltd.
22	316126502028	Mr. T. Srikanth Hanumanthu	Infosys Ltd. & Divi's Laboratories Ltd.
23	316126502030	Mr. Vivek Inna	Deccan Fine Chemicals (India) Pvt. Ltd. & Divi's Laboratories Ltd.

24	316126502031	Ms. V. Madhavi Latha	Deccan Fine Chemicals (India) Pvt. Ltd.
25	316126502033	Mr. M. Vineel Kumar	Divi's Laboratories Ltd.
26	316126502034	Mr. Muppina Kalyan Babu	Divi's Laboratories Ltd.
27	316126502035	Mr. M. Sharukh Nawaz	Deccan Fine Chemicals (India) Pvt. Ltd. & Divi's Laboratories Ltd.
28	316126502037	Mr. Ande Jagadeesh	Divi's Laboratories Ltd.
29	316126502038	Mr. G. Ganesh Kumar	Divi's Laboratories Ltd.
30	316126502039	Mr. S. Dinakara Vara Prasad	Deccan Fine Chemicals (India) Pvt. Ltd. & Divi's Laboratories Ltd.
31	316126502041	Mr. B. Manoj Kumar	Deccan Fine Chemicals (India) Pvt. Ltd. & Divi's Laboratories Ltd.
32	316126502043	Mr. Vanam Uday Kiran	Infosys Ltd. & Divi's Laboratories Ltd.
33	316126502044	Mr. Sammidi Manikanta	Divi's Laboratories Ltd.
34	316126502045	Ms. P. Sravani	Extra marks Educations India Pvt. Ltd.
35	316126502046	Mr. Jujjuri Sasidhar	Divi's Laboratories Ltd. & The Andhra Petrochemicals Ltd.
36	316126502048	Mr. Malla Appalanasayya	Divi's Laboratories Ltd.
37	316126502049	Mr. Gutteswara Rao Pappala	Dr. Reddy's Laboratories Ltd. & Divi's Laboratories Ltd.
38	316126502050	Mr. Maradana Ganapathi Rao	Divi's Laboratories Ltd.
39	316126502051	Mr. SK Mahaboob Subhani	Divi's Laboratories Ltd.
40	316126502053	Mr. B. Datta Sai	Divi's Laboratories Ltd.

## STUDENT ACHIEVEMENTS 2019-20

S.No.	Name of the Student	Event details	Place	Date	Title	Achievement
1	S.Sravani	IICHe RVR & JCCE - Student Chapter, Check-2020	RVR & JCCE, Guntur	26-27 Feb, 2020	National Level Chemical Engineering Student Meet	Won 1st prize, paper presentation
2	KS Harika					Won 3rd prize, Group Discussion
3	R.Dinesh					Won 3rd prize Paper presentation
4	BVNSG Sudharshan					Presented Paper
5	M.Manikanta Vinay					Participated
6	M. Jagadeesh Kumar					Presented Paper
7	S. Gowtham					Presented Paper& Group discussion
8	K.Tejaswi					Presented Paper& Group discussion
9	P. Varunsri Pavan					Presented Paper& Group discussion
10	K.Likitha					Presented Paper& Group discussion
11	V.Sindhuja					Presented Paper& Group discussion
12	P.Harsha Vardhan					Presented Paper& Group discussion
13	G.Lokesh					Presented Paper& Group discussion
14	K.Sumanohar					Won 3rd prize, paper presentation
15	M.Jagadeesh Kumar	IICHe RVR & JCCE - Student Chapter, Check-2020	RVR & JCCE, Guntur	26-27 Feb, 2020	National Level Chemical Engineering Student Meet	Presented Paper
16	V.Chetana					Presented Paper
17	M.V.G.H. Prithvi Raj					Participated
18	R.Vamsidhar					Presented Paper
19	K. Harika	Techno-Management fest	IIT Kharagpur	17-19 Jan, 2020	KSHITIJ 2020	Participated
20	Ch. Yaswanth					
21	P. Sandeep					
22	P. Mani Kumar					
23	B.V. Karthik Kiran					
24	S. Narendra Kumar					
25	Ch. Deepak Kumar					
26	Y. Sridhar					
27	P. D. Abhiram					
28	M. Veda Pranitha					
29	N.P. Lalitha					
30	Neha Riya Siby					
31	Kalla					



	Reshma					
32	P.Abhishek Reddy					
33	K.Santhosh Kumar					
34	S.Sai					
35	G. Suneel					
36	S. Narendra Kumar					
37	Sravani	Entrepreneurship For Engineers	ANITS	12/30/2019	Institutions innovation council	Participated
38	Ch. Yaswanth					
39	T.V. Anudeep Naidu					
40	I.V. R.K. N.S. Aniketh					
41	P. Sandeep					
42	K.Santhosh Kumar	Ripples 2K20	Andhra University	21-22nd, Jan, 2020	National Conference on Recent Advances in Chemical Engg.	Participated
43	B.Datta Sai					Presented Paper
44	Md.Sharuk Nawaz					
45	J.Sasidhar	Ripples 2K20	Andhra University	21-22nd, Jan, 2020	National Conference on Recent Advances in Chemical Engg.	
46	Sammidi Manikanta	International conference on water, energy and environmental sustainability 2020	NIT Durgapur	13-15, Jan 2020	WEES2020	Presented Paper
47	J.Sasidhar					
48	M.Manikanta Viany	Inter collegiate games and sports 2019-20	Andhra University	10-04-2019	Sports compitation	<b>Won 1st prize, power lifting (men 105kg)</b>

## **Fest:**

### **“Chem Flare 2020”**

The Department of Chemical Engineering, ANITS, Visakhapatnam, in association with RACE (Rays of ANITS Chemical Engineers) & ANITS IChE Students chapter under Walter Region Centre was organizing a two-day National student conference, “CHEMFLARE-2020”, on 19<sup>th</sup> and 20<sup>th</sup> February 2020. The chief guest of the inaugural function is Sri G.S.V.S.S Prasad Sarma, Executive Director (Retd.), Visakha Refinery, HPCL, the guest of honor Mr. Naveen Neerukonda, Treasurer, ANES, Prof. T.V. Hanumantha Rao, Principal; ANITS is the president of the function. Dr. Ch. Anil, Head of the chemical Engineering department and Mr. B. Pradeep Santosh Kumar, Faculty convener, Mr. J. Shashidhar Student president RACE body are also present on the dais.

Prof. T.V. Hanumantha Rao, in his presidential remarks informed the students that, the change in technological trends is taking place, the growth and transform in process industries are fast. The students need to foresee these changes should be updated with computational skills, optimization and data sciences. He also emphasized the importance of sustainable development, zero discharge, waste management and advised all the chemical engineering students to work in these areas.



**G.S.V.S. Prasad, N. Naveen, T.V. Hanumantha Rao and Dr. Ch. Anil launching the department magazine ‘Rasagyan’ at the inaugural function**

Mr. N. Naveen, the Guest honor, advised students to be actively involved in workshops, conferences, technical fests conducted. He informed that, the chemical engineers are good at cause and effect of the process. Mr. Prasad Sarma, the Chief Guest, highlighted the difference

between the academic environment and industrial environment. Teaching faculty, friends, supporting system etc. will help the students in academic environment, whereas, the more competition will prevail at industrial environment. The human skills, technical skills and delivery skills will be dominating the industry environment. He emphasized the importance of IQ, EQ and SQ in industry. He also emphasized that the future is for Eclectic Vehicles, Catalysis, Biotechnology and Nanotechnology. HOD, Dr. Ch. Anil, in his address expressed, the department will always encourage students to participate in various technical and extra-curricular activities. He also informed that, such events and activities will be organized in future also for the benefit of the students. Mr. Pradeep, Convener, listed out the itinerary for the two-day event. Mr. J. Shashidhar, Student president, gave the information of the RACE body activities. Prof. S. Subba Rao, Prof. R. Srikanth, Dr. M. shiva Naresh, Mr. K. Koteswara Rao, Ms. S. Harika, Dr. K. China Malakondaiah, Dr. D. Anjali, and Ms. P. Mallika Rani, other supporting staff, and Students attended the fest.



**Mr. G.S.V.S.S. Prasad Sarma addressing the gathering at the inaugural**

## **Race Events:**

### **“Swatch Chemical Engineering”**

On 25<sup>th</sup> July 2019, the RACE has conducted ‘Swatch chemical Engineering’ inspired by the call given by Prime Minister Narendra Modi to keep our surroundings clean. The Motto of the event was to keep the department block clean. Students from all the sections of the department participated voluntarily and helped each other in cleaning the department block. Teaching and non-teaching staff supervised the program.

## **“Induction cum Fresher’s Day Program for the first-year students”**

Induction cum Fresher’s Day program has been conducted between 19<sup>th</sup> August 2019 and 30<sup>th</sup> August 2019 for the first-year students by the RACE. In this program the first-year students had got an opportunity to know more about the department and had a fruitful interaction with their senior students and faculty. Cultural meet has also been conducted to bring out the talent from the new entrants of the department.

## **“Engineers Day Events”**

On the eve of the Engineers Day the RACE has conducted various co-circular activities like Group Discussions, Debate and Art Competitions on 9<sup>th</sup> September 2019. Students from across the departments participated in these events and won several prizes. The revenue generated from this event was donated to an NGO called STREET ORGANISATION which takes care of homeless people across Visakhapatnam.

## **One Day Program at "4 THE PEOPLE SERVICE ORGANIZATION”**

RACE has conducted a one-day program at an NGO, 4 THE PEOPLE SERVICE ORGANIZATION on 9<sup>th</sup> February 2020. Students from the department visited the orphanage of the NGO and conducted a few activities like quizzes, riddles, story-telling, etc. with the children and also awarded them prizes and spent an entire day with them.

**Editor**

**Mr.B.Pradeep Santosh Kumar**

**(Faculty Advisor)**

**Student Coordinators:**

**Ch. Yeshwanth Kumar 3/4 B.Tech**

**P. Abhishek Reddy 3/4 B.Tech**