



R.V.R & J.C College Of Engineering

Chowdavaram, Guntur-522019

Department Of

CHEMICAL ENGINEERING



Volume 8

2016 - 2017



NATIONAL/INTERNATIONAL CONFERENCES /SEMINARS/WORKSHOPS ORGANIZED:

1. “Chemical Engineering Contest for Knockout-2016 (ChECK-2016) was organized by **IIChE RVR&JCCE Student Chapter** under IIChE Guntur Regional Centre at Department of Chemical Engineering, RVR & JC College of Engineering (Autonomous), Guntur.



1. Guest J.Kishore babu, Professor, Chalapathi Engineering college, Lam, Guntur
 2. Dr. M.Venkateswara Rao, Professor& Head, Chairman - ChECK2016
 3. Dr.C.V.Subrahamanyam, Professor, Convenor - ChECK2016
2. The IIChE - Guntur Regional Centre organized a one-day seminar on ‘Growth and Career Opportunities in Chemical Engineering for Sustainable Development’ on 19th November, 2016 at JKC College, Guntur. IICHERVR&JCCE Student chapter is functioning under IIChE Guntur Regional Center.

RESEARCH PROJECTS SANCTIONED

1. A project entitled ‘Studies on the Removal of Trace Organics, Chlorides and Fluorides from Ground Water in Coastal Regions of Andhra Pradesh using Continuous Fixed Bed Adsorption Colum’, Mr. P. Rohinikumar, Asst. Prof. as principal investigator is considered for financial support of Rs. 2.05 lakhs under UGC Minor research project scheme 2016.

2. A project entitled 'A Kinetic Study for photo catalytic degradation of organic contaminants using nano-coated catalysts', Ms. M. Sudheera, Asst. Prof. as principal investigator is considered for financial support of Rs. 1.71 lakhs under UGC Minor research project scheme 2016.

GUEST LECTURES ORGANIZED

- Mr. Y.Syam, Principal Consultant, Invensys Development Centre India Pvt. Ltd, Hyderabad, delivered a guest lecture on 'Career opportunities for Chemical Engineers' on 5th December, 2016 for third and final year students.
- Mr. E. Satyanarayana, Environmental Engineer, A.P. State Pollution Control Board, Vijayawada Region, delivered a guest lecture on 'Importance of Pollution Control in attaining Swacha Bharat' on 14th September, 2016 for the second, third and final year students.
- The Alumni of Chemical Engineering Department, RVR & JCCE, Mr. M. Uma Mahesh, Executive Engineer, Mumbai Off shore, Oil and Natural Gas Corporation Ltd(ONGC), Mumbai, Delivered a guest lecture on 'Over-view of Offshore oil production, processing and distribution operations' on 07th January 2016.

GUEST LECTURE DELIVERED BY FACULTY

- Prof. M. Venkateswara Rao, Head and Dean, Examinations delivered a guest lecture on 'Opportunities for higher Education after diploma (D.ChE in Petro Chemical, Plastics, Polymeres & Oil Technology) in Chemical Engineering', organized by the Government institute of Chemical Engineering, Visakhapatnam, on 18th October, 2016.

RESEARCH PAPER PUBLICATIONS IN REFERRED JOURNALS

1. A research paper on 'Experimental Study on Removal of Zinc Metal Ions from Aqueous Solution using Ulva Lobata Sp. as an Adsorbent' written by Dr. L. Nageswara Rao, Dr. G. Prabhakar, Prof. M. Venkateswara Rao, Head and Dr. S. Feroz, was published in the International Journal for Innovative Research in Science & Technology, pp.30-38, Vol. 2, Issue 10, ISSN 2349-6010, 2016.
2. A research paper on 'Kinetic and Thermodynamic Studies of Adsorption of Pb (II) by Using Ferrous Sulphide as an Adsorbent' by Mr. D. Kamalakar, Asst. Prof., Prof. C.V.

- Subrahmanyam, Mr. P. Rohinikumar, Asst. Prof., and Dr. L. Nageswara Rao, was published in the International Journal of Chemical Engineering and Processing, pp. 34-41, Vol. 2, Issue 2, ISSN 2455-5576, 2016.
3. A research paper on 'Wall-to-Bulk Mass Transfer in Cocurrent Upflow Bubble Column with Coaxially Placed String of Spheres' by Mr. P. Rohini Kumar, Asst. Prof., Dr. P. Venkateswarlu, and Dr. K.V. Ramesh, was published in Columbia International Publishing, American Journal of Heat and Mass Transfer, pp.225-237, Vol.3, Issue 4, 2016. doi:10.7726/ajhmt.2016.1013.
 4. A research paper on 'A Study on Electroless Deposition of Nickel on Nano Alumina Powder Under Different Sensitization Conditions' by Mr. D. Sameer Kumar, Dr. K. N. S. Suman and Mr. P. Rohini Kumar, Asst. Prof., was published in the International Journal of Advanced Science and Technology, pp. 59-68, Vol. 97, 2016, doi.org/10.14257/ijast.2016.97.06.
 5. A research paper on 'Study on Impact of Red Tide to the Desalination Plant' by Mr. Shahira Bakkari, Mr. D. Kamalakar, Asst. Prof. and Dr. L. Nageswara Rao, International Journal of Pharmaceutical, Chemical and Biological Sciences, pp. 322-325, Vol. 6, Issue 3, 2016. ISSN 2249-9504.
 6. A research paper on 'Optimization of Reaction Parameters for the Production of Fatty Acids from Rice Bran Oil' written by Dr. C.V. Subrahmanyam, Professor and Mr. K. Siva Prasada Rao, Asst. Prof. was published in the International Journal of Chemical Separation Technology, Vol. 2, Issue 1, pp. 1-4, 2016.
 7. A research paper on 'Sapota Seed Oil' written by Dr. C.V. Subrahmanyam, Professor, Mr. D. Kamalakar, Asst. Prof. was published in the International Journal of Chemical Engineering and Processing, Vol. 2, Issue 1, pp. 15-18, 2016.
 8. A research paper on 'Optimization of Reaction Parameters for Production of Hydrogenated Soya Bean Oil with Least Trans Isomer Content' written by Dr. D.N.V. Stayanarayana, Asso. Prof. and Mr. K. Ramesh Chandra, Asst. Prof. in International Journal of Education and Science Research Review, Vol.3, Issue 1, pp. 112-116, 2016.

PAPER PRESENTATIONS IN CONFERENCES

1. Prof. C.V. Subrahmanyam, presented a paper on 'Biodiesel by Enzymatic Trans-esterification: A Review' in a National Conference on Focal Theme- Science & Technology for Health in the 2nd Andhra Pradesh Science Congress (APAS-2016), organized by the A.P. Academy of Sciences, in association with Dr. N T R University of Health Sciences, Vijayawada, during 7-9 November ,2016.
2. Prof C. V. Subrahmanyam and Mr. D. Kamalakar, Asst. Prof., presented a paper on 'Studies on Mass Transfer Coefficient in Solid-Liquid Phase System' in an International Conference on Chemical Engineering: Towards Sustainable Development CHEMCON 2016, organized by IChE, Chennai Regional Centre, in collaboration with, A. C. Tech., Anna University and CLRI (CSIR) Laboratories, Chennai, during 27-30 December 2016.
3. Mr. K. Ramesh Chandra, Asst. Prof., and Dr. M.Venkateswara Rao, Prof. & Head, presented a paper on 'Mass Transfer Augmentation due to the Presence of Rotating Two Stage Two Blade Flat Turbine Promoters in an Electrolytic Cell' in an International Conference on Advanced Materials (SCICON'16), organized by the Department of Sciences, Amrita Vishwa Vidyapeetham, Coimbatore, in association with Department of Biotechnology, Ministry of Science & Technology, SERB India and ETS, during 19 -21 December, 2016. ISBN 978-93-86176-47-9.
4. Mr. P. Rohini Kumar, Asst. Prof., Dr. P.Venkateswarlu and Dr. K.V.Ramesh, presented a paper on 'Wall-to-bed mass transfer in a three-phase fluidized bed with coaxially placed string of spheres internal' and the same has been published in the proceedings of the International Conference on Processing of Materials, Minerals and Energy (PMME-2016), organized by PACE Institute of Technology and science, Ongole, pp.232-238, Issue IV, during 29-30 July, 2016.
5. Mr. P. Rohini Kumar, Asst. Prof., Dr. P.Venkateswarlu and Dr. K.V.Ramesh, presented a paper on 'Phase holdups in a three-phase fluidized bed in the presence of coaxially placed string of spheres internal' and the same has been published in the proceedings of the International Conference on Advanced Material Technologies ICAMT-2016, organized by Dadi Institute of Engineering and Technology, Visakhapatnam, pp.341-347, Issue II, during 27-28, December, 2016.

6. Ms. J. L. Jayanthi, Mr. D. Kamalakar, Asst. Professors and Prof. M. Venkateswara Rao, Head, presented a paper on 'Conversion of waste plastics in to alternative fuel' in the National Conference on Science & Technology for Health in the 2nd Andhra Pradesh Science Congress (APAS), organized by the A.P. Academy of Sciences in association with Dr. N T R University of Health Sciences, Vijayawada, during 7-9 November 2016.
7. Mr. D. Kamalakar, Ms. J. L. Jayanthi, Asst. Professors and Prof. M. Venkateswara Rao, Head, presented a paper titled 'Removal of Methylene Red from aqueous solution by Adsorption Technique' in the National Conference on Science & Technology for Health in the 2nd Andhra Pradesh Science Congress (APAS), organized by the A.P. Academy of Sciences, in association with Dr. N T R University of Health Sciences, Vijayawada, during 7-9 November 2016.
8. Dr. M. Venkateswara Rao , Professor & Head and Dr. D.N.V.Satyanarayana, Asso. Prof. Present a paper on 'Studies on Mass and Momentum transfer at the outer wall of the circular conduit with entry region spiral tape wound on rod as turbulence promoter' in the 4th International Conference on Science, Technology and Management(ICSTM-16), organized by International Research Publications, India International Center, New Delhi, on 15th May, 2016.
9. Dr. C.V. Subrahmanyam, professor and Mr. K. Siva Prasada Rao Asst. Prof., presented a paper on ' Optimization of Reaction Parameters for the Production of Fatty Acids from Rice Bran Oil' in a 1st Andhra Pradesh Science Congress (APAS) on 'Focal Theme- Science for Smart Technologies', organized by Andhra Pradesh Academy of Sciences in association with Sri Venkateswara University & Sri Padmavati Mahila Visvavidyalayam, Tirupati, during 27-29 February, 2016.
10. Dr. C.V. Subrahmanyam, professor and Mr. D. Kamalakar Asst. Prof., presented a paper on 'Sapota Seed Oil' in a 1st Andhra Pradesh Science Congress (APAS) on 'Focal Theme- Science for Smart Technologies', organized by Andhra Pradesh Academy of Sciences in association with Sri Venkateswara University & Sri Padmavati Mahila Visvavidyalayam, Tirupati, during 27-29 February, 2016.
11. Mr. K. Ramesh Chandra, Asst. Prof., presented a paper on 'Comparative Studies of Microwave Oven and Tray Drying on Apple Pomace' in the Two day National Seminar on 'Climate Efficient Process Industries (CEPI-16)' sponsored by DST, New Delhi, organized

by the Department of Chemical Engineering, GMR Institute of Technology, Rajam , during 04 - 05 March, 2016.

12. Mr. P. Rohini Kumar, Asst. Prof., presented a paper on ‘Determination of kinetic and thermodynamics parameters of the batch adsorption of Lead (II) by using ferrous sulphide’ in the Two day National Seminar on ‘Climate Efficient Process Industries (CEPI-16)’ sponsored by DST, New Delhi, organized by the Department of Chemical Engineering, GMR Institute of Technology, Rajam , during 04 - 05 March, 2016.
13. Mr. P.Rohini Kumar, Asst. Prof., presented a paper on ‘Design and experimental analysis of solar powered distillation unit for purification of sea water’ in the Two day National Seminar on ‘Computational Fluid Dynamics Applications in Process Industries: Recent Developments 2k16 (CFDAPIRD2K16)’, sponsored by DST, New Delhi, organized by the Department of Chemical Engineering, GMR Institute of Technology, Rajam , during 14 - 16 April, 2016.
14. Sri D Kamalakar, Asst. Prof., presented a paper on ‘ Development of zinc Sulphate controlled release fertilizer sand as inert matrix with naphthalene coating’ in the Two day National Seminar on ‘Computational Fluid Dynamics Applications in Process Industries: Recent Developments 2k16 (CFDAPIRD2K16)’, sponsored by DST, New Delhi, organized by the Department of Chemical Engineering, GMR Institute of Technology, Rajam , during 14 - 16 April, 2016.

CONFERENCES /WORKSHOPS ATTENDED

- 1 Prof. M. Venkateswara Rao, Head and Prof. C.V.Subrahmanyam, attended an International Conference on ‘Chemical Engineering towards Sustainable Development’, organized by IChE, Chennai Regional Centre, in collaboration with A. C. Tech., Anna University and CLRI (CSIR) Laboratories and IITM, Chennai, during 27-30 December, 2016.
- 2 Prof. C.V. Subrahmanyam, attended a National Seminar on ‘Petroleum Refining Processes – An Overview’ organized by the Department of Petroleum Engineering & Petrochemical Engineering, Jawaharlal Nehru Technological University, Kakinada (JNTUK), on 30th September 2016.(TEQUIP PHASE II).
- 3 Prof. C.V. Subrahmanyam, Dr. D.N.V.Satyanarayana, Asso. Prof., Mr. P.Rohini Kumar, Mr. K Siva Prasad Rao and Ms. M. Sudheera, Asst. Professors, attended a Four week FDP on ‘Use

of ICT in Education for Online and Blended Learning’, organized by the Indian Institute of Technology(IITB), Bombay, during 2nd May – 10th July, 2016.

- 4 Mr. K. Ramesh Chandra, Asst. Prof., attended an International Conference on Advanced Materials (SCICON’16), organized by the Department of Sciences, Amrita Vishwa Vidyapeetham, Coimbatore, in association with Department of Biotechnology, Ministry of Science & Technology and Department of Science and Technology, Science & Engineering Research Board (SERB), Govt. of India, during 19 -21 December, 2016.
- 5 Mr. K. Ramesh Chandra, Ms. J.L. Jayanthi and Ms. M. Sudheera, Asst. Prof., attended a National Seminar on ‘March to Make in India through Engineering Advancements (MMIEA)’ organized by the Department of Mechanical Engineering, RVR&JC College of Engineering, during 29 -30 September, 2016.
- 6 Mr. P. Rohini Kumar, Asst. Prof., attended an International Conference on Processing of Materials, Minerals and Energy (PMME-2016), organized by the PACE Institute of Technology and Science, Ongole, during 29-30 July, 2016.
- 7 Mr. P. Rohini Kumar, Asst. Prof., attended a National Workshop on Fluid flow & Heat transfer in Micro channels and Nano channels, organized by the Department of Chemical Engineering, G.V.P. College of Engineering(A), Visakhapatnam, in association with Department of Science and Technology, Science & Engineering Research Board (SERB), Govt. of India, during 10-12 August, 2016.
- 8 Mr. P. Rohini Kumar, Asst. Prof., attended an International Conference on Advanced Material Technologies ICAMT-2016, organized by the Dadi Institute of Engineering and Technology, Visakhapatnam, during 27-28 December, 2016.
- 9 Mr. D. Kamalakar and Ms. J. L. Jayanthi, Asst. Professors attended a National Conference on Science & Technology for Health in 2nd Andhra Pradesh Science Congress (APAS), organized by the A.P. Academy of Sciences in association with Dr. N T R University of Health Sciences, Vijayawada, during 7-9 November, 2016.
- 10 Mr. K. Siva Prasada Rao, Asst. Prof., attended a six day short term training program on Computer aided simulation of Chemical Processes, organized by the Department of Chemical Engineering, NITW, Warangal, during 22-27 November, 2016.

- 11 Ms. A.V.Hemalatha, Asst. Prof., attended a National Workshop on ‘Environmental Studies: Innovative Teaching Methodologies’ organized by the Department of M&H, RVR & JC College of Engineering (A), on 3rd October 2016.
- 12 Dr. M.Venkateswara Rao, Professor & Head, Smt. J.L.Jayanthi, Mr. K. Sivaprasada Rao and Smt. M. Sudheera, Asst. Professors, attended a National Seminar on ‘Fundamentals of Downstream Process Technologies - An Insight for Prospective Refinery Engineers’, jointly organized by Department of Petroleum Engineering & Petrochemical Engineering, JNTUK--Petrotech Student Chapter, Kakinada and JNTUK--SPE Student Chapter, JNTUK, Kakinada, during 23-24, January 2016.
- 13 Dr. M.Venkateswara Rao, Professor & Head, Mr. K. Ramesh Chandra, Mr. P.Rohini Kumar, Mr. K. Sivaprasada Rao, Smt. M. Sudheera and Smt. A. Hemalatha, Asst. Professors, attended a 1st South India Student Convention of Chemical Engineering on the ‘Assessment of the State of the Art in Chemical Engineering Science’, jointly organized by IChE members of Satish Dhawan Space Centre SHAR, ISRO and Jawaharlal Nehru Technological University Ananthapuram, on 22nd February, 2016.
- 14 Dr. C.V. Subrahmanyam, professor, attend a 1st Andhra Pradesh Science Congress (APAS), on ‘Science for Smart Technologies’, organized by Andhra Pradesh Academy of Sciences in association with Sri Venkateswara University & Sri Padmavati Mahila Visvavidyalayam, Tirupati, during 27-29, February 2016.
- 15 Mr. K. Ramesh Chandra and Mr. P.Rohini Kumar, Asst. Professors, attended a Two day National Seminar on ‘Climate Efficient Process Industries (CEPI-16)’, sponsored by DST, New Delhi, organized by the Department of Chemical Engineering, GMR Institute of Technology, Rajam, during 4 – 5 March, 2016.
- 16 Mr. P.Rohini Kumar and Mr. D. Kamalakar, Asst. Professors, attended a Two day National Seminar on ‘Computational Fluid Dynamics Applications in Process Industries: Recent Developments 2k16 (CFDAPIRD2K16)’, sponsored by DST, New Delhi, organized by the Department of Chemical Engineering, GMR Institute of Technology, Rajam , during 14 - 16 April, 2016.
- 17 Mr.K Siva Prasad Rao and Smt. M.Sudheera, Asst. Professors, attended a One week Short Term Training Program on ‘Applications of Process Simulators in Chemical and Bioprocess

Engineering (APSCBE-2016)', organized by Department of Chemical Engineering, NIT Warangal, during 30th May-03rd June.

INDUSTRIAL TOURS

- The students of second year went on a short tour to M/s. JOCIL Ltd., Dokiparru, Guntur and students of third year went on a short tour to M/s. Sri Dhanalakshmi Group of Industries (Oil Division), Ganapavaram Guntur, on 26th July and 21st September, 2016 respectively. These Industrial trips gave students some practical exposure.
- Students Second year Fourth semester Chemical Engineering went on two short trips to M/s. JOCIL Ltd., Dokiparru, Guntur and Satish Dhawan Space Center (SHAR), Sriharikota, ISRO, on 22 and 27 February, respectively. These Industrial trips gave students some practical exposure.

AWARDS

1. The IIChE Student Chapter of RVR & JCCE was given the Pidilite Industries Best Student Chapter Award for the year 2016 by the Indian Institute of Chemical Engineers (IIChE).



2. Prof. M. Venkateswara Rao, Head, was elected as Honorary Joint Secretary, Indian Institute of Chemical Engineers (IChE) for the year 2017.

ACADEMIC RESULTS

Year	Total Appeared	Total Pass	Pass %
I/IV B.Tech., (First Semester)	41	19	46.34
II/IV B.Tech., (Third Semester)	57	20	35.09
III/IV B.Tech., (Fifth Semester)	44	29	65.91
IV/IV B.Tech., (Seventh Semester)	52	40	76.92

Year	Total appeared	Total pass	% pass
I/IV B.Tech., (I Semester)	47	24	51.06
I/IV B.Tech., (II Semester)	46	29	63.04
II/IV B.Tech., (III Semester)	47	25	53.19
II/IV B.Tech., (IV Semester)	45	28	62.22
III/IV B.Tech., (VI Semester)	53	33	62.26
IV/IV B.Tech., (VIII semester)	41	40	97.56

STUDENT ACIEVEMENTS

1. Paper Presentations/Competitions at Symposiums, Conferences, Seminars etc.

S.No.	Name of the Student	Regd. No.	Prize	Event	Organized by
1.	B.ram saketh	Y15CH802	-----	SCHEMCON-2018	NIT Rurkela
2.	Ch.Pratyusha	Y15CH805			
3.	K.Navya Sri	L16CH866			
4.	R.Hari Prasad Raju	Y15CH833			
5.	P.Tharun	Y15CH830			
6.	G.Chaitanya	Y15CH811			
7.	S.Vamsi Krishna	Y15CH840			
8.	Abdul Mohamin	Y15CH801		MAHOTSAV-2018	Vignan Unvieristy, Vadlamudi
9.	B.Ram Saketh	Y15CH802			
10.	E.V.Charan reddy	Y15CH809			
11.	D.Siva Krishna	Y15CH807	I (PPT)		
12.	Sk.Zakir	Y15CH837			
13.	Sk.Ansar	Y15CH836			
14.	S.Vamsi Krishna	Y15CH840			
15.	G.Vishnu Babu	Y16CH841			

16.	Ch.Ashok Sagar	L17CH863			
17.	Ch.Rajasekhar Reddy				
18.	R.Adi Narayana	Y16CH831			
19.	N.Mouli	Y16CH824			
20.	P.Prasanna Chowdary	Y16CH830			
21.	E.Hari Narayan Gupta	Y16CH810			
22.	P. Ajay	Y16CH828			
23.	N. Sai Krishna	Y16CH823			
24.	M. Koteswar	Y16CH826			
25.	P. Ashwini	Y16CH827			
26.	S. Pranathi	Y16CH829			
27.	T.Kavya Krishnaveni	Y16CH838			
28.	K.Meghana	Y14CH818	I (PPT)	SPE INDHAN-2018	JNTUK, Kakinada
29.	D.Siva Krishna	Y15CH807			
30.	P.Sowbhagya	Y15CH829	I (PPT)		
31.	S.Vamsi Krishna	Y15CH840			
32.	G.Vishnu Babu	Y14CH841	----		
33.	Sk.Zakir	Y15CH837	III (INDUSTRIAL SOLVING)	ANOKHA 2018	Amrita University, Coimbatore
34.	Sk .Ansar	Y15CH836			
35.	B.S.Ram Saketh	Y15CH802			
36.	Abdul Mohamin	Y15CH801			
37.	M.Dileep	L16CH868			
38.	E.V.Charan Reddy	Y15CH809			
39.	A.Militha	Y15CH827	II (PPT)		
40.	P.Sowbhagya	Y15CH829		CHEMOSPHERE-2018	Gayatri Vidya Parishad College of Engineering, Visakhapatnam
41.	S.Vamsi Krishna	Y15CH840			
42.	U.Chandana Rekha	Y15CH843			
43.	T.Pavan Sai	Y15CH841			
44.	G. Chaitanya	Y15CH811	II (PPT)	CHEMOSPHERE-2018	SVU College of Engineering, Thirupathi
45.	K. Swarna Latha	Y15CH819			
46.	D. Siva Krishna	Y15CH807	I (PPT)		
47.	K. Meghana	Y14CH818			
48.	J. Anil Kumar	Y15CH816			
49.	G. Gopi Chand	Y15CH814			
50.	E. V. Charan Reddy	Y15CH809			
51.	G. Ajay Kumar	Y15CH815	I (TECHNICAL QUIZ)		
52.	M. Dileep	L16CH868			
53.	B. Ram Saketh	Y15CH802			

CAMPUS PLACEMENTS

S. No	Regd. No.	Name of Student(s)	Placement Information
1.	L15CH861	B. Christafer	Hetero Drugs, Visakhapatnam
2.	L15CH867	Sk. Nuthikattu baji	
3.	Y14CH809	D. U L S Durga	
4.	Y14CH815	G. Digvijay	
5.	Y14CH821	M. Gayatri	
6.	Y14CH825	N T S R K Manideep	
7.	Y14CH829	P Chandan Kumar	
8.	Y14CH830	P Mahidar	
9.	Y14CH834	P Manish	
10.	L15CH862	Kudrtulla Mohhammad	Divi's Laboratories, Visakhapatnam
11.	L15CH864	M. Ural Kumar	
12.	L15CH865	Sk. Baji	
13.	L15CH866	Sk. Mastan Vali	
14.	L15CH867	Sk. Nagur	
15.	Y14CH802	B. Raja Rao	
16.	Y14CH804	Ch. Venkateswara Rao	
17.	Y14CH807	D. Anil Kumar	
18.	Y14CH808	D. Bhannu Prakash	
19.	Y14CH810	G. Bharat Kumar	
20.	Y14CH811	G. Krishna	
21.	Y14CH814	G. Madhavi Latha	
22.	Y14CH816	J. Durga Bhavani	
23.	Y14CH819	K. Venkatesh	
24.	Y14CH820	K. Gurunatham	
25.	Y14CH822	M. Sai Sujit	
26.	Y14CH823	M. Swathi	
27.	Y14CH826	N. Sudhakar	
28.	Y14CH831	P. Anantha Lakshmi	
29.	Y14CH835	R. Ravi Kumar	
30.	Y14CH837	Sk. Hussain	
31.	Y14CH838	Sk. Ijaz	
32.	Y14CH839	Sk. Kareem	
33.	Y14CH803	B. Saida Rao	
34.	Y14CH825	NTSRK Manideep	
35.	Y14CH832	P Ravi Kishore	
36.	Y14CH833	P Brahmaiah	Allsec Technologies, Chennai
37.	Y14CH809	D. U L S Durga	

SUMMER INTERNSHIPS

S.No.	Student Name	Register Number	Company	Period
1.	E. V. Charan Reddy	Y15CH809	HPCL Ltd., Visakhapatnam	14.05.2018 to 13.06.2018
2.	K. Swarna Latha	Y15CH819	Oil and Natural Gas Corporation, Kakinada	15.05.2018 to 05.06.2018
3.	M. A. Firoz Khan	Y15CH823	Reliance Industries Ltd., Mumbai	16.05.2018 to 13.06.2018
4.	D. Sowjanya	L16CH863	Oil and Natural Gas Corporation, Kakinada	15.05.2018 to 05.06.2018
5.	K. Meghana Chowdary	Y14CH818	Oil and Natural Gas Corporation, Kakinada	15.05.2018 to 05.06.2018
6.	P. Sowbhagya	Y15CH829	Vizag Steel Plant, Visakhapatnam	20.05.2018 to 10.06.2018
7.	A. Militha	Y15CH827	Reliance Industries Ltd., Kakinada	15.05.2018 to 05.06.2018
8.	G. Bhargav Rao	L16CH864	HPCL Ltd., Visakhapatnam	14.05.2018 to 13.06.2018
9.	Abdul Mohaimin	Y15CH801	Areej Vegetable Oil and Derivatives.Co., Muscat, Oman	15.05.2018 to 12.06.2018

EDITORIAL BOARD

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Editor: Dr. Ch. V. Subrahmanyam

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Mr. S. Vamsi Krishna, Ms. U. Chandana Rekha



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Department Of

CHEMICAL ENGINEERING



Volume 9

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GREEN CHEM

We have a dream and it's **GREEN**

RESEARCH PROJECTS IN PROGRESS

1. A project entitled 'Studies on the Removal of Trace Organics, Chlorides and Fluorides from Ground Water in Coastal Regions of Andhra Pradesh using Continuous Fixed Bed Adsorption Colum', Mr. P. Rohinikumar, Asst. Prof., as principal investigator is considered for financial support of Rs. 2.05 lakhs under UGC Minor Research Project Scheme 2016.
2. A project entitled 'A Kinetic Study for photo catalytic degradation of organic contaminants using nano-coated catalysts', Ms. M. Sudheera, Asst. Prof., as principal investigator is considered for financial support of Rs. 1.71 lakhs under UGC Minor Research Project Scheme 2016.

GRANTS RECEIVED

1. Dr. C. V. Subrahmanyam, Head, received an amount of Rs. 4,20,000/- grant by the AICTE -Two Week Faculty Development Programme on 'Innovations in Renewable Energy Harvesting and Environment Friendly Process Technologies for Sustainable Development'.

RESEARCH PAPER PUBLICATIONS IN REFERRED JOURNALS

1. A research paper on 'Production of biodiesel from spent coffee grounds' written by Dr. D.N.V.Satyanarayana, Asso. Prof. and Ms. M.Sudheera, Asst. Professor, was published in the International Journal of Research and Analytical Reviews, pp. 203-212, Vol.4, Issue 2, 2017.
2. A research paper on 'An Efficient Method to Design a Series Cascade Controller using Multi-Objective Optimization' written by Dr. Bhadri Srinivas, Mr. P. Rohinikumar, Asst. Prof. Dr. B. Sreenivasulu and Dr. K.V.Ramesh, published in the IEEE proceedings of the International Conference on Electronics, Communication and Aerospace Technology (ICECA 2017), pp. 218-224, ISSN (online) 978-1-5090-5686-6/17/ ©2017 IEEE.

PAPER PRESENTATIONS IN CONFERENCES

1. Ms. J. Laxmi Jayanthi, Mr. D. Kamalakar, Assistant Professors, Dr. M. Venkateswara Rao, Professor, presented a poster titled "Removal of Flouride by Nano Magnesium Oxide" in A.P. Science Congress-2017, organized by A.P. Academy of Sciences, Amaravati, during 7th- 9th November 2017.
2. Mr. P. Rohinikumar, Assistant Professor, Dr. M.G. Muni Reddy, Dr. P. Venkateswarlu and Dr. K.V. Ramesh, presented a paper on 'Gas holdup in a bubble column in the presence of coaxially placed string of spheres promoter as internal' in the International Conference on Functional materials, characterization, solid state physics, power, thermal and combustion energy (FCSPTC-2017), organized by Ramachandra College of Engineering, Eluru, during 07-08, April 2017.

CONFERENCES /WORKSHOPS ATTENDED

1. Dr. M. Venkateswara Rao, Professor, Dean, Examinations, attended the Indian Chemical Engineering Congress, CHEMCON – 2017, along with the 70th Annual Session of the Indian Institute of Chemical Engineers on 'Versatility of Chemical Engineering to Meet Societal Challenges', organized by Haldia Regional centre, in association with Department of Chemical Engineering, Haldia Institute of Technology, Haldia, West Bengal, during 27 – 30, December 2017.
2. Dr. M. Venkateswara Rao, Professor, Dean, Examinations, attended a workshop on "ODF+, Feacal Sludge and Septage Management for academic institutions in Andhra Pradesh" organized by Administrative Staff College of India, Visakhapatnam, during 13-14 October, 2017.
3. Dr. C. V. Subrahmanyam, Head, attended a two day face to face workshop on "Learner-centric MOOC: From Conceptualizing to Conducting" organized by IIT BombayX at IIT Bombay, on 24 and 25 November 2017, sponsored by Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching (MHRD, Government of India).
4. Dr. K. Ramesh Chandra, Mr. D. Kamalakar and Ms. J. Laxmi Jayanthi, Assistant Professors, attended the faculty development program on "Foundation Program in ICT for Education" organized by IIT BombayX - FDP101x, during 03rd August, 2017 to 13th September, 2017.

5. Dr. K. Ramesh Chandra, Mr. D.Kamalakar and Ms. J. Laxmi Jayanthi, Assistant Professors, participated in FDP on “Pedagogy for Online and Blended Teaching-Learning Process”, organized by IITBombayX - FDP201x, during 13-20 November, 2017.
6. Ms. J. Laxmi Jayanthi and Mr. D.Kamalakar, Asst. Prof., attended A.P. Science Congress-2017 organized by A.P. Akademi of Sciences, Amaravati, during 7th- 9th November 2017.
7. Mr. K. Siva Prasada Rao, Assistant Professor, attended a two-day FDP on “Introduction to R Programming”, conducted by ICT Academy during 16th-17th August, 2017 held at RVR&JC College of Engineering (A), Guntur.
8. Mr. K Siva Prasada Rao, Assistant Professor, attended a Five-Day FDP on “Innovative & Sustainable Chemical and Process Analysis, Design & Synthesis” during August 28th – September 1st , 2017 jointly organized by NIT Trichy and NIT Warangal at Tiruchirapalli, Tamilnadu.
9. Prof. C.V. Subrahmanyam, Dr. D.N.V.Satyanarayana, Assoc. Prof., Ms. J. Lakshmi Jayanthi and Mr. K. Siva Prasada Rao, Asst. Professors, attended a two-day workshop on Latex Software at RVR & JCCE during 12-13 June, 2017.
10. Mr. P. Rohinikumar, attended an International Conference on Functional Materials, Characterization , Solid state physics, Power, Thermal & Combustion Energy (FCSPTC – 2017), organized by Ramachandra College of Engineering, Eluru, during 07-08 April, 2017.
11. Mr. K. Siva Prasada Rao, Asst. Professor attended a short term course on Multimedia Tools, organized by NITTTR, Chandigarh at RVR & JCCE, during 27 -31 March, 2017.

INDUSTRIAL TOURS

1. The students of second year went on a short tour to M/s. JOCIL Ltd. Dokiarru, Guntur on 30th August, 2017.
2. The students of third year went on a short tour to M/s. Sangam Milk Producer Company Limited (Sangam Dairy), Vadlamudi (V), Guntur, on 12th September., 2017.
3. The students of third year went on a short tour to M/s. KCP Limited Cements Division, Macherla, Guntur on 12th December, 2017.
4. The students of second year went on a short tour to M/s. Sri Dhanalakshmi Group of Industries, Ganapavaram, Chilakaluripet, Guntur Dt., on 30th December,2017.

5. The students of third year went on a short tour to Andhra Sugars Ltd., Tanuku, on 10th March. Students of third year went on a short tour to M/s. K.C.P. Ltd., (Sugars Division), Vuyyur, on 6th January and second year students went on a short tour to M/s. Sri Dhanalakshmi Group of Industries, Ganapavaram, Chilakaluripet on 4th January, 2017. These Industrial trips gave students some practical exposure.

HIGHER DEGREES AWARDED

1. Mr. P. Rohinikumar, Asst. Professor was awarded Ph.D. by Andhra University, Visakhapatnam, July, 2017.
2. Mr. K. Ramesh Chandra, Asst. Professor was awarded Ph.D. by Andhra University, Visakhapatnam, July, 2017.

PROMOTIONS

1. Prof. C. V. Subrahmanyam, took charge as the Head of the Department of Chemical Engineering from September 2018 as Prof. M.Venkateswara Rao, Head, Chemical Engineering department retired 30th August 2018. But his tenure has been extended by the institution.

IICHE EXECUTIVE BODY

Dr. M.Venkateswara Rao, Professor, Dr. C.V.Subrahmanayam, Head, were re-elected as Secretary, Treasurer, respectively for Executive Body in IChE – Guntur Regional Centre Dr.K.Ramesh Chandra, Ms. K.Siva Prasada Rao, Assistant Professors, Member, Invitee, elected as Executive Body in IChE – Guntur Regional Centre respectively for the year 2017-2019.

ACADEMIC RESULTS

Year	Total Appeared	Total Pass	Pass %
I/IV B.Tech., (I Semester)	56	29	51.78
II/IV B.Tech., (I Semester)	57	34	59.64
III/IV B.Tech., (V Semester)	55	41	74.54
IV/IVB.Tech.,(VII Semester)	43	35	81.39

Year	Total Appeared	Total Pass	Pass %
I/IV B.Tech., (II Semester)	40	15	37.50
II/IV B.Tech., (IV Semester)	57	24	42.10
III/IV B.Tech., (VI Semester)	44	37	84.09
IV/IV B.Tech., (VIII Semester)	53	50	94.33

ANY OTHER RELEVANT INFORMATION

Prof. M. Venkateswara Rao, Head of the Department, invited as Guest of Honour for a technical fest ChEMFLOC – 2k17, organized by RGUKT, Nuzividu. Mr. K.Siva Prasada Rao, Asst. Prof., was also invited to Judge a programme in the same event.

STUDENT ACIEVEMENTS

1. Paper Presentations/Competitions at Symposiums, Conferences, Seminars etc.

S.No.	Name of the Student	Regd. No.	Prize	Event	Organized by
1.	B.ram saketh	Y15CH802	-----	SCHEMCON-2018	NIT Rurkela
2.	Ch.Pratyusha	Y15CH805			
3.	K.Navya Sri	L16CH866			
4.	R.Hari Prasad Raju	Y15CH833			
5.	P.Tharun	Y15CH830			
6.	G.Chaitanya	Y15CH811			
7.	S.Vamsi Krishna	Y15CH840			
8.	Abdul Mohamin	Y15CH801		MAHOTSAV-2018	Vignan Unvieristy, Vadlamudi
9.	B.Ram Saketh	Y15CH802			
10.	E.V.Charan reddy	Y15CH809			
11.	D.Siva Krishna	Y15CH807	I (PPT)		
12.	Sk.Zakir	Y15CH837			
13.	Sk.Ansar	Y15CH836			

14.	S.Vamsi Krishna	Y15CH840			
15.	G.Vishnu Babu	Y16CH841			
16.	Ch.Ashok Sagar	L17CH863			
17.	Ch.Rajasekhar Reddy				
18.	R.Adi Narayana	Y16CH831			
19.	N.Mouli	Y16CH824			
20.	P.Prasanna Chowdary	Y16CH830			
21.	E.Hari Narayan Gupta	Y16CH810			
22.	P. Ajay	Y16CH828			
23.	N. Sai Krishna	Y16CH823			
24.	M. Koteswar	Y16CH826			
25.	P. Ashwini	Y16CH827			
26.	S. Pranathi	Y16CH829			
27.	T.Kavya Krishnaveni	Y16CH838			
28.	K.Meghana	Y14CH818	I (PPT)		
29.	D.Siva Krishna	Y15CH807			
30.	P.Sowbhagya	Y15CH829	I (PPT)	SPE INDHAN-2018	JNTUK, Kakinada
31.	S.Vamsi Krishna	Y15CH840			
32.	G.Vishnu Babu	Y14CH841	----		
33.	Sk.Zakir	Y15CH837	III (INDUSTRIAL SOLVING)		
34.	Sk .Ansar	Y15CH836		ANOKHA 2018	Amrita University, Coimbatore
35.	B.S.Ram Saketh	Y15CH802			
36.	Abdul Mohamin	Y15CH801			
37.	M.Dileep	L16CH868			
38.	E.V.Charan Reddy	Y15CH809			
39.	A.Militha	Y15CH827	II (PPT)		
40.	P.Sowbhagya	Y15CH829		CHEMOSPHERE-2018	Gayatri Vidya Parishad College of Engineering, Visakhapatnam
41.	S.Vamsi Krishna	Y15CH840			
42.	U.Chandana Rekha	Y15CH843			
43.	T.Pavan Sai	Y15CH841			
44.	G. Chaitanya	Y15CH811	II (PPT)		
45.	K. Swarna Latha	Y15CH819			
46.	D. Siva Krishna	Y15CH807	I (PPT)		
47.	K. Meghana	Y14CH818			
48.	J. Anil Kumar	Y15CH816		CHEMOSPHERE-2018	SVU College of Engineering, Thirupathi
49.	G. Gopi Chand	Y15CH814			
50.	E. V. Charan Reddy	Y15CH809	I (TECHNICAL QUIZ)		
51.	G. Ajay Kumar	Y15CH815			
52.	M. Dileep	L16CH868			
53.	B. Ram Saketh	Y15CH802			

CAMPUS PLACEMENTS

S. No	Regd. No.	Name of Student(s)	Placement Information
1.	L15CH861	B. Christafer	Hetero Drugs, Visakhapatnam
2.	L15CH867	Sk. Nuthikattu baji	
3.	Y14CH809	D. U L S Durga	
4.	Y14CH815	G. Digvijay	
5.	Y14CH821	M. Gayatri	
6.	Y14CH825	N T S R K Manideep	
7.	Y14CH829	P Chandan Kumar	
8.	Y14CH830	P Mahidar	
9.	Y14CH834	P Manish	
10.	L15CH862	Kudrtulla Mohhammad	Divi's Laboratories, Visakhapatnam
11.	L15CH864	M. Ural Kumar	
12.	L15CH865	Sk. Baji	
13.	L15CH866	Sk. Mastan Vali	
14.	L15CH867	Sk. Nagur	
15.	Y14CH802	B. Raja Rao	
16.	Y14CH804	Ch. Venkateswara Rao	
17.	Y14CH807	D. Anil Kumar	
18.	Y14CH808	D. Bhannu Prakash	
19.	Y14CH810	G. Bharat Kumar	
20.	Y14CH811	G. Krishna	
21.	Y14CH814	G. Madhavi Latha	
22.	Y14CH816	J. Durga Bhavani	
23.	Y14CH819	K. Venkatesh	
24.	Y14CH820	K. Gurunatham	
25.	Y14CH822	M. Sai Sujit	
26.	Y14CH823	M. Swathi	
27.	Y14CH826	N. Sudhakar	
28.	Y14CH831	P. Anantha Lakshmi	
29.	Y14CH835	R. Ravi Kumar	
30.	Y14CH837	Sk. Hussain	
31.	Y14CH838	Sk. Ijaz	
32.	Y14CH839	Sk. Kareem	
33.	Y14CH803	B. Saida Rao	
34.	Y14CH825	NTSRK Manideep	
35.	Y14CH832	P Ravi Kishore	
36.	Y14CH833	P Brahmaiah	Allsec Technologies, Chennai
37.	Y14CH809	D. U L S Durga	

SUMMER INTERNSHIPS

S.No.	Student Name	Register Number	Company	Period
1.	E. V. Charan Reddy	Y15CH809	HPCL Ltd., Visakhapatnam	14.05.2018 to 13.06.2018
2.	K. Swarna Latha	Y15CH819	Oil and Natural Gas Corporation, Kakinada	15.05.2018 to 05.06.2018
3.	M. A. Firoz Khan	Y15CH823	Reliance Industries Ltd., Mumbai	16.05.2018 to 13.06.2018
4.	D. Sowjanya	L16CH863	Oil and Natural Gas Corporation, Kakinada	15.05.2018 to 05.06.2018
5.	K. Meghana Chowdary	Y14CH818	Oil and Natural Gas Corporation, Kakinada	15.05.2018 to 05.06.2018
6.	P. Sowbhagya	Y15CH829	Vizag Steel Plant, Visakhapatnam	20.05.2018 to 10.06.2018
7.	A. Militha	Y15CH827	Reliance Industries Ltd., Kakinada	15.05.2018 to 05.06.2018
8.	G. Bhargav Rao	L16CH864	HPCL Ltd., Visakhapatnam	14.05.2018 to 13.06.2018
9.	Abdul Mohaimin	Y15CH801	Areej Vegetable Oil and Derivatives.Co., Muscat, Oman	15.05.2018 to 12.06.2018

EDITORIAL BOARD

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