

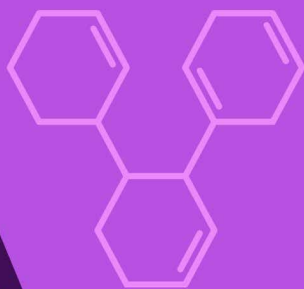
Department Of Chemical Engineering
School Of Studies Of Engineering And Technology
Guru Ghasidas Vishwavidyalaya Bilaspur Chhattisgarh



CHEMISIGHT

Newsletter

DEPARTMENT OF CHEMICAL ENGINEERING



June 2022

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From The Desk Of Vice Chancellor



I am happy to know about "Chemisight", the newsletter being brought out from the Department of Chemical Engineering which highlights the marvellous performance and achievements of both the teachers and students of the department. With time, I see the department has been putting tremendous efforts to expand the boundaries of their knowledge and imagination and this newsletter reflects the same. I'm recognize and appreciate that the department is going ahead on path to excellence .I congratulate and extend best wishes to the department and the team involved in the successfully bringing out of this newsletter.



From The Desk of Registrar



Today, the role of a college is not only to pursue academic excellence but also to motivate and empower the students to be lifelong learners. It is indeed a pleasure to note that the Department of Chemical Engineering, School of Studies of Engineering & Technology, Guru Ghasidas Vishwavidyalaya is bringing out a Newsletter "CHEMISIGHT" highlighting the academic and co-curricular activities of the students and the faculties. This clearly reveals that the department is trying to expand in all spheres of academics, co-curricular and extra curricular-activities. I wish to congratulate the team behind this activity for the meticulous work they have carried out. Best wishes to the department for the future endeavours.



Message Form Dean



Warm greetings to all the readers! We are in a truly exciting era of ever growing science and technology and it's exciting to know about the launch of the newsletter from the Department of Chemical Engineering named "Chemisight". It's so thrilling to see how the students and teachers strive keeping up with all the evolution of School of Studies of Engineering & Technology. Looking at all the accomplishments of students and teachers and the creative and innovative approach taken by them, I am optimistically excited to see all their future progresses too. Good work and good luck to everyone involved in the making of this newsletter. Looking forward to all the future editions of "Chemisight".



Message Form HOD

As the Head of Department of Chemical Engineering. I only have great things to say about all our faculties and students. Our department has recorded consistent improvement in academic, research and placement performance. Our teachers have helped students face the challenges by broadening their horizons and enhancing their skills. The students have also strived to be the best among everyone.

I am glad that now we have started issuing own newsletter. "Chemisight" where we have listed out many of our students as well as teachers achievements. In the upcoming issues, we can expect them to have a significant rise. I wish all our department faculty and the students glory for all their upcoming endeavours.



DEPARTMENTAL ACTIVITIES

WORKSHOPS/EVENTS



CO₂ CAPTURING WORKSHOP

(13-02-2022)

Department of Chemical Engineering, SoS, E&T, Guru Ghasidas Vishwavidyalaya Bilaspur organised a workshop on CO₂ Capturing in collaboration with Equilibrio'22 initiated by Students of Chem Tech Team. In this workshop guest speaker was Dr. Saratbabu Anne, Assistant Professor, Department of Chemical Engineering, NIT Warangal.



MATLAB WORKSHOP

(16-02-2022)

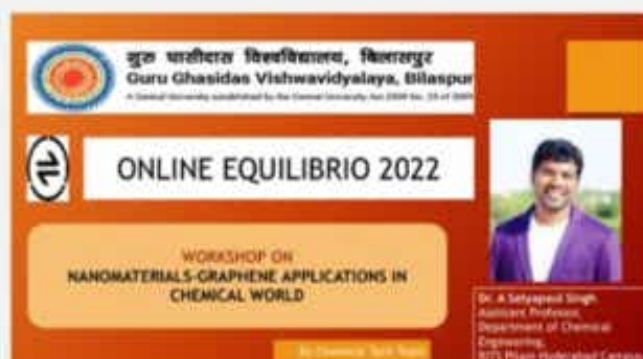
Department of Chemical Engineering, SoS, E&T, Guru Ghasidas Vishwavidyalaya Bilaspur organised a workshop on MATLAB in collaboration with Equilibrio'22 initiated by Students of Chem Tech Team. Dr. Somak Chatterjee, Assistant Professor, Department of Chemical Engineering, BITS Pilani had given the basic idea about MATLAB & its applications.



NANOMATERIALS-GRAPHENE APPLICATIONS IN CHEMICAL WORLD WORKSHOP

(26-02-2022)

Department of Chemical Engineering, SoS, E&T, Guru Ghasidas Vishwavidyalaya Bilaspur organised a workshop on application of GRAPHENE in chemical world in collaboration with Equilibrio'22 initiated by Students of Chem Tech Team. Dr. A. Satyapaul Singh, Assistant Professor, Department of Chemical Engineering, BITS Pilani, talked about the synthesis and application of graphene nano material.



AN INTERACTIVE SESSION ON “HOW TO PREPARE FOR GATE”

(08-04-2022)

The Department of Chemical Engineering has successfully conducted an interactive session on “How to Prepare for GATE” for Chemical Engineering students by Thammina Kiran (Final Year Student of Chemical Engineering Department, SoS, E&T), AIR-59, GATE-2022. This session gave insights about how to prepare for GATE examination and also cleared all the doubts of the students. Strategy and revision techniques shared in this session was very helpful for the students.



An Interactive Session
on
“How to Prepare for GATE”
For Chemical Engineering Students
By
Thammina Kiran
(Final Year Student)
AIR-59 (GATE-2022)
April 8, 2022
Day: Friday
Time: 02:00 PM to 03:00 PM
Venue: Class Room F-31

Dr. Anil Kumar Choudhary (Organizer & Head), Dr. Rajkavita Singh Thakur (Coordinator), Dr. Sandeep Dharmadhikari (Co-ordinator), Dr. Saurabh Meshram (Co-ordinator)

Organized by Department of Chemical Engineering, School of Studies of Engineering and Technology, Guru Gyanidas Vidya Vasthalya (A Central University), Bilaspur (C.G.)

HANDS ON TRAINING ON DWSIM

(09-04-2022)

The Department of Chemical Engineering has successfully conducted a special talk on “Hands on training on DWSIM”. Dr. Vinit Rathore, Assistant Professor, Department of Chemical Engineering, SVNIT, Surat described the application of DWSIM simulation software and importance of software in academic, research and industrial perspective. The program was co-ordinated by Dr. Saurabh Meshram and Dr. Sandeep Dharmadhikari. The talk was attended by the faculty members and more than 100 students of Department of Chemical Engineering.



Department of Chemical Engineering
School of Studies of Engineering and Technology
Organizes
Special Talk
on
Hands on Training on DWSIM
Date: 09-04-2022 Time: 09:00 AM to 04:00 PM
Venue: Class Room F-31
Speaker: Dr. Vinit Rathore, Assistant Professor, SVNIT, Surat
Co-ordinator: Dr. Saurabh Meshram, Dr. Sandeep Dharmadhikari

AN INTERACTIVE SESSION WITH ALUMNUS

(06-05-2022)

The Department of Chemical Engineering has successfully conducted an interactive session with Mr. Nishchal Verma, Alumni of Chemical Engineering Department, 1997-2001 Batch, and currently he is Regional Manager of Suzalchem Industries. This session helped the students in choosing their best possible career path, clearing their doubts and providing them insights about the current technology being used in the industry and also guided the students about how to prepare for interview.



CONDUCTED ONLINE CONFERENCE ON "COVID" CHALLENGES

(10-9-21)

Department of Chemical Engineering organized an International Conference on COVID Challenges of Energy Environmental Management for Sustainable Growth of Process Industries (CCEEMSGPI-2021) on 10-11, September 2021, Funded by AICTE. This international conference aimed to understand the challenges being faced in terms of energy during COVID pandemic and how they were evolving to overcome these challenges and to prepare for future growth. The conference sessions were having the keynote address by eminent personalities from industry, academia and oral presentation based on session theme. This conference provided an excellent opportunity to academicians, Industrialist and scientific community to exchange their ideas for cumulative growth and mutual benefit. The main topics covered in this conference were Environmental Pollution, Pollution Control Technology, New Perspective of Renewable Energy & Sustainable Energy, Renewable Fuels, Wastewater Treatment, Conventional Separation Processes, Waste Management Technologies, Energy Intensification, Energy Audit & Management, Energy Conservation, Process Intensification Waste to wealth.

INTERNATIONAL CONFERENCE
(ONLINE)
ON
COVID CHALLENGES OF ENERGY
AND ENVIRONMENT MANAGEMENT
FOR SUSTAINABLE GROWTH OF
PROCESS INDUSTRIES
(CCEEMSGPI-2021)

(Sponsored by AICTE)

September 10-11, 2021



Organized by

Department of Chemical Engineering
School of Studies of Engineering &
Technology
Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur (C.G.) - 495009, INDIA

INDUSTRIAL VISIT

(1-4-22)

The Department of Chemical Engineering has organised an industrial visit for students to get an insight of sugar manufacturing from sugarcane. They visited to Sardar Vallabhbhai Patel Sugar Industry Kawardha in guidance of Dr. Amit Jain and Dr. Sandeep Dharmadhikari.



INTERVIEW WITH ALUMNI

MR. NISCHAL VERMA [Batch 1997-2001]

Regional manager, SUZALKEM TECHNOLOGY PVT. LTD, Hyderabad



❖ Tell us about “SUZALKEM INDUSTRY” and its contribution to market?

SUZALKEM TECHNOLOGY PVT. LTD. is an Indian-based MULTINATIONAL COMPANY that works on the manufacturing of chemicals for industries like Textiles, Pharma Mineral Processing, Distilling, paper, power, sugar, etc. We provide our processed chemical solutions with our specialty chemicals, wherever there is a problem with difficulty in process and application, we come ahead and give a solution for the problem and resolve the issues. Our Head Office is situated in Hyderabad. Our manufacturability is based in Hyderabad. We have branches all over India and abroad. As I told you, we manufacture chemicals and give them to industries to help them with the problems they face.

❖ Share some Experience of your Industrial Work and way to deal with Enigma?

I am working as a Regional Manager for the South & Central Division in SUZALKEM . SUZALKEM was started in 1999 by our seniors and at that time it was affiliated with a German Based Company. So, technical collaboration with Flozer .Then we started promoting our brand in industries. It was a very newish area and It was a tedious task to interpret in the industries without any brand. Now, we have excelled in the Sugar industry, we're very good in paper and textiles. Apart from this, we're into utility as well. Moreover, we've specialized in water treatment and environmental pollution control also. These are the things we do. I faced a lot of problems regarding working in different industries. Finally, I joined SUZALKEM in the year 2006. This is a long journey, so cannot be conveyed in words. So it was a joyful process with lots of learning and a Versatile experience. We've grown up to this level and Nowadays, we are recruiting engineers in our organization.



❖ Your opinion about “Entrepreneurships” And “Self-Growth”?

See, it was something like when we started, there were not many industries in India and nowadays numerous opportunities are coming out not only in India But abroad also. And now because of the information network and IT field it has become much easier to interact and contact each other. So now finding jobs and startups has become easier. There are many opportunities in India in terms of education, business, and industries. In today's world, anybody can start their own company by putting in some hard work and proper planning. There are many companies like ONM and outsourcing is there; like in some big industries, they are making utility products and selling them to big firms.

❖ Career advice apart from “Degree” and after “College”?

I think it is a qualification, a degree; just now I said that achievers will get things easily. Normal students should not think they are inferior. With experience also knowledge grows. With technical studies what all we have done, then our skills. The normal students will have to identify what is their inner skill? In which direction do they always get success? In which field are they more interested? They have to think and select that field and then they will go well in their life. They don't go for perfect decisions, discipline, and all. Discipline is required in working. When you work in an organization you should be sturdy. Control your anger to go ahead. This is what we have to learn from our education center like any education institute with time. In every part of life, this will be helpful. And the 2nd most important thing is respect towards each other. This is most required In a student's life, they fight with each other or stick together as they are close friends, but when you come out, you have to make all the people your friends. So if you give respect you will get respect

❖ Share your thoughts about, “How to cope up with drastic situation, people and studies for our young mind of GGV”?

The question that you asked is a life lesson. When we all come to such an institute in which students come to study from all over India, students have different skin tones, different castes, different languages, different lifestyles, different taste priorities, someone is introvert, someone is extrovert, someone wants to live differently in some or the other way, etc. So till the time we live at home till class 12th, after that when we come to an engineering college, students experience various kinds of exposure which they never got to know because till then they were living in the same state in the same city. Now since difficulties come, these difficulties are the challenges themselves. If there are no difficulties in life then what meaning for the life is left? For the person who doesn't have any difficulties in life, then such a life is bland. Nothing will be left in life then. After completing engineering from here, when you will leave, you will not have any idea where fate will take you, in which part of India or the world you will be going. Different people will come across your ways. There will be issues while interacting with them too. So we should never assume it to be a difficulty. We need to think that we are getting a good exposure by which we meet different types of people, understand them, adjust with them, and so on.

FACULTY ACHIEVEMENTS



PARTICIPATION OF FACULTY MEMBERS IN NATIONAL / INTERNATIONAL CONFERENCES / SEMINARS / WORKSHOPS

SR NO.	NAME OF THE FACULTY	SEMINARS	WORKSHOPS/FDP /WEBINAR/ NPTEL COURSES
1	Prof. S.N. Saha	01	03
2	Mr. N. chandrakar	02	05
3	Dr. A. K. Chandrakar	01	02
4	Dr. Amit Jain	01	21
5	Mrs. A. N. Joshi	01	04
6	Dr. R. S. Thakur	01	06
7	Dr. S. Meshram	02	10
8	Dr. G. Jyoti	02	15
9	Dr. S. Dharmadhikari	01	19
10	Mr. V. P. Yadav	01	06
11	Mr. G. P. Dewangan	01	02



PAPER PUBLISHED



Faculty Name	Paper	Journal
Mr. G.P. Dewangan Prof. S. N. Saha	Fluidization characteristics of saw dust in cold flow fluidized bed	Journal of the Indian chemical society, 2022
Dr. S. Meshram Dr. R. S. Thakur Dr. G. Jyoti	Optimization of lead adsorption from lead-acid battery recycling unit wastewater using H2504 modified activated carbon	Journal of the Indian chemical society, 2022
Dr. S. Dharamadhikari	ZnO/bone-char hybrid Composite : Catalyst preparation characterization and its application	Iranian journal of Chemistry and Chemical Engineering, 2021
Dr. R. S. Thakur Mr. N. Chandreker	Removal of Fluoride from synthesis water using Bagasse Activated Carbon	Desalination and water treatment, 2022
Mrs. A. N. Joshi Dr. A. K. Chandrakar	Extractive Separation Of 4 Hydroxy benzoic acid from aqueous solution using nontoxic and conventional solvents	Chemical data collections, 2021



PAPER PRESENTED



Author	Title	Event
Mr. S. Meshram	Taguchi optimization of adsorptive removal of lead from lead-acid battery recycling unit battery wastewater using H ₂ SO ₄ impregnated GAC	ACEE-2021, NIT Raipur
Dr. Ghoshna Jyoti	Kinetic study of esterification reaction of acrylic acid with n-butyl alcohol	ACES-2022, IISER Bhopal
Prof. S. N. Saha	Fluidized bed technology and its industrial uses	RTCT-2021, I. C. G. India

PATENT FILED

Name of Faculty	Patent Description
Dr. S. Dharmadhikari	Blender blade
Dr. S. Meshram Dr. R. S. Thakur Mrs. A. N. Joshi Mr. N. Chandraker Dr. G. Jyoti Dr. S. Dharmadhikari	Lead toxicity detector and water cleaning machine
Dr. S. Dharmadhikari	Solar tree for energy generation

SPECIAL ACHIEVEMENTS



- ❖ Prof. S. N. Saha has been awarded with a recognition certificate for his distinguished service to technical education by the institution of engineers, India.
- ❖ Prof. S. N. Saha has been nominated for Margdarshak by AICTE.
- ❖ Mr. Saurabh Meshram and Mr. Amit Jain have been awarded PH.D from NIT Raipur and IIT Kharagpur, respectively.
- ❖ Dr. Ghoshna Jyoti got UGC startup-up grant for the research on "Comparative study on Homogeneous and Heterogeneous Catalytic Esterification of Mono-Carboxylic Acids with Butyl Alcohol".
- ❖ Ms. Rakhi Soni, PhD Scholar, got the best paper presentation award at IISER bhopal.



Placement details



JATIN PATEL

Wipro



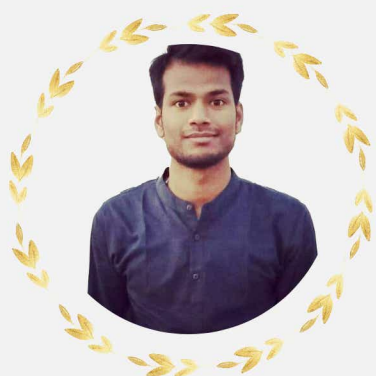
YAMJALA RAKESH

Wipro



RANI BESRA

Infosys



RAM VIJAY YADAV

Cipla
pharmaceutical



UTKARSH ARYA

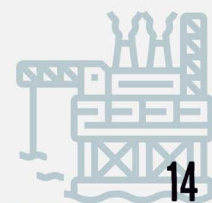
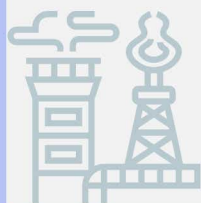
Macleods
pharmaceutical



ANUP GOND

Macleods
pharmaceutical

- * Suzalkem Technologies Pvt. Ltd. Hyderabad selected 8 students for final round of interview through campus placement



Student Achievements



GATE ACHIEVERS



Utkarsh Patel
AIR :- 38



Thammina Kiran
AIR :- 59



Anushka Mishra
AIR :- 1483



SHREERANG MISHRA
AIR :- 1790



SACHIN GONDI
Air :- 1928



D V K BHAGAVAN
AIR :- 2424



GOVIND KOSRE
Air :- 4482

iPATE 2022

* ABHISHEK SONI, VIII SEM - QUALIFIED IN IPATE 2022

Special achievements

* Thammina Kiran

Presented Paper In Covid Challenges of Energy and Environment Management for Sustainable Growth of Process Industries. (CCEEMSGPI-2 021) 10-09-2021 & 11-09-2021 Online

* Dasu Vijaya kumar Bhagavan,

Secured Top 5% in Waste to energy conversion from NPTEL in the academic schedule - Jan-March 2022.



* Priti kumari,

Secured First position in Science Slogan Competition, Conducted during National Science Day Celebration Organised by Guru Ghashidas Vishwavidyalaya, Bilaspur (C.G).



* Nandini Dixit,

Represented India at COP26 and won UN Climate Change Earth Beat Challenge 2021 Also Participated in National Environment Youth Parliament and represented Chhattisgarh in Parliament House, Delhi on 16 April 2022.

* Ketan singh rathore,

First position in Nrutyasanskriti all India 5th national dance competition and festival

OUR TEAM

FACULTY CO-ORDINATORS

Dr. A. Jain

(Assistant professor)

Dr. S. Meshram

(Assistant professor)

Dr. S. Dharmadhikari

(Assistant professor)

STUDENT CO-ORDINATORS

Priti kumari

Aniket Anil Sakhadwade

EDITORIAL TEAM

Arpita Das

Krithika R.P.

Rahul Kumar

Sneha Kumari

Sweety Kumari

DESIGNING TEAM

Utkarsh

S. Rohin

