



Department of Chemical Engineering

On 07-01-2021, CBIT signed MoU with M/s. Green Waves Environmental Solutions (GWES), Vishakhapatnam with the aim to Joint working on Research Projects, Start-up Creation, and Internship Program for students.

Activities Report

- 1) Mr. Anil, M.D, delivered Invited talk for students and staff of Chemical Engg Dept., CBIT on 25-11-2020.
- 2) Mr. Anil, M.D, was honoured by CBIT as Outstanding Alumnus of Chemical Engg Dept on 25-12-2020
- 3) Mr. Anil and Mr. Aditya Madhav, were co-supervisors for UG collaborative research project on Design of aromatic industry with floral waste as raw material, to K. Nagaraju (160116802308) and P. Venkatesh Nayak (160116802310), TWO final year students of Chemical Engg Dept., CBIT, during AY 2020-21.
- 4) Mr. Anil and Mr. Aditya Madhav, were co-supervisors for UG collaborative research project on Replenishing the earth - Biocomposting of dry green waste, to P. Sri Tanmayee (160118802011) and M. Bhanu Prakash (160118802018), TWO final year students of Chemical Engg Dept., CBIT during AY 2021-22
- 5) Mr. Aditya Madhav was Judge for technical session during CHEMSPARK-2022 on 24-03-2022
- 6) Mr Anil was mentor and supervisor for two teams (IV sem students) to present at Ideathon 2023 by ACIC-CBIT on 25-04-2023.

HOD – Chemical Engg Dept., CBIT

Chemical Engineering Department

ARIIA Event-3 November 2020

1) Invited expert lecture - 3

Objective of the lecture:

In this era of technological gadgets, to understand the impact of e-waste on the depletion of our natural resources and the role of today's youth and chemical engineers in exploring and adapting the various possibilities to convert e-waste into cost-effective usable products.

Topic:

“E-Waste Management”

Date (Day) and time: 25-11-2020 (Wednesday) from 11:00 AM to 12:10 PM (PED Slot)

Online-ZOOM Platform for faculty and B.Tech Sem-VII (4th year) students

Speaker details:

Mr. Anil Potluri

(Dept. Alumnus – 2010 batch)

Managing Director, Green Waves Environmental Solutions,

(First Authorized E - waste collection and handling unit),

Visakhapatnam, Andhra pradesh

Email: anil@greenwavesrecyclers.in

Mobile: +91 – 7093351666

Organised by:

Faculty coordinators:

- 1) Dr. Ravindra Pogaku, Professor & Head
- 2) Dr. Naga Prapurna P V, Associate Prof.,
- 3) Dr. B.Ganesh, Assistant Prof. & Class teacher

Student Coordinators:

- 1) Hanusha Durisetty
- 2) Phanindra Gupta
- 3) Rithusha Kamma

Attendance:

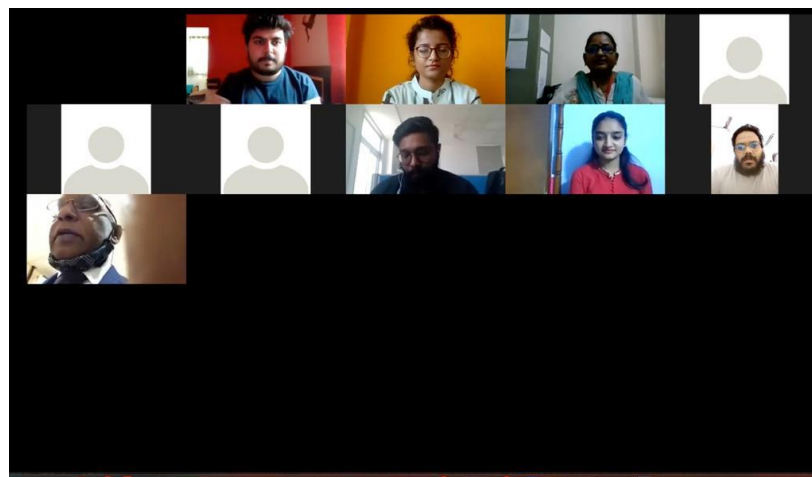
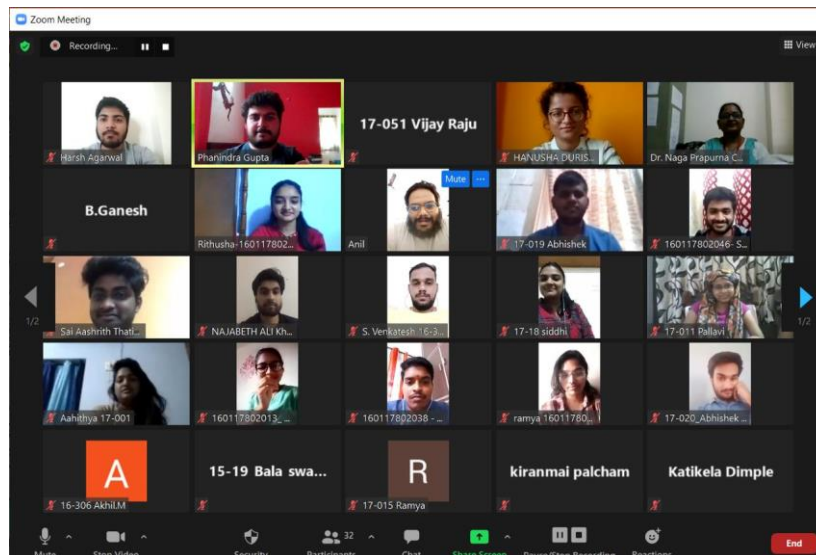
Faculty attended = 7

Students present = 43

Outcomes of the lecture:

Innovation and development in the field of science and technology and an open global market resulted in availability of a range of electronic products at affordable prices, changing the very lifestyle of societies. Their safe disposal is a challenge and includes dismantling, segregation and recycling into preparation of pencils, simple jewellery to bags.

Event photos:



Brief note:

The importance of e-waste management involves different methods for recycling or for disposing. Tracing the path of recycled electronic products is considerably more complicated.

For example:

- **CIRCUIT BOARDS** -Most circuit boards and some hard drives can be marketed for resale as operational parts. Unusable circuit boards are chopped into a powder and separated into fiberglass, metals
- **PLASTIC HOUSINGS** -plastic housings on computers and monitors will not fit on newer equipment.
- **SMALL PLASTIC COMPONENTS** The small plastic parts inside computers are typically made from uniform-colored, high density polyethylene (HDPE). This makes them easier to remove, grind, and process. It must be taken a great care not to mix other materials (e.g., metals) or different resins in with these plastics
- **SCREWS, CLIPS, SMALL METAL PARTS** Screws, clips, and small metal components are sorted and separated magnetically into ferrous and nonferrous groups. The metals are sold as scrap.

The company, Green Waves Environmental Solutions is a start-up that focused on collecting the e-waste, its safe storage, dismantling, extraction, segregation, recycle or reassemble into simple useful products.

Reg: Sudhee-Chemspark2k22 Invitation Letter

2 messages

CBIT CHEMSPARK 2K22 <chemspark2k22@gmail.com>

Tue, Mar 22, 2022 at 2:19 PM

To: aditya.madhav@gmail.com, balakrishna i <ibk@cbit.ac.in>, "Dr.B.Ganesh Assistant Professor"

<bganesh_chem@cbit.ac.in>, "Dr.P.V.Naga Prapurna Associate Prof." <nagaprapurna_chem@cbit.ac.in>, Harsha Nagar <harshanagar_chem@cbit.ac.in>, "prasannarani_chem Asst. Professor" <prasannarani_chem@cbit.ac.in>, pydimalla madhuri <pmadhuri_chem@cbit.ac.in>, "Sri K.Prasad Babu Assistant Professor" <kprasadbabu_chem@cbit.ac.in>, Swapna V <vswapna_chem@cbit.ac.in>, balutumma@gmail.com

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY**CHEMICAL ENGINEERING DEPARTMENT****SUDHEE-CHEMSPARK 2022****A National Level Technical Symposium: 23rd & 24th March 2022****Dear All,
Warm greetings!!!**

Our department is organizing a two day National level Technical symposium, **CHEMSPARK 2022** on **23rd & 24th March**. This national level technical event serves as a platform for not only Chemical Engineering but all allied discipline students to present their work and interact with the peer community. The Chemical Engineering field envisages tremendous technology upgrades in different sectors. This event is an endeavor to educate on such technologies through Paper, Poster, Idea presentations and technical quiz.

In this regard, we invite you to spare your valuable time to evaluate the following technical sessions:

Date	Time	Technical session	Judges
23 rd March	1:35 to 3:00 PM	Oral presentation session-I	Mr. N Aditya Madhav Dr. B. Ganesh
		Oral presentation session-II	Dr. Bala Narsaiah T Dr. P. Madhuri
24 th March	10:00-11:30 AM	Oral presentation session-III	Ms. T. Sindhuja Dr. V. Swapna
		Poster presentation	Mr. Jagadishwar Ausala Dr. P. V. Naga Prapurna
	11:55-12:55 PM	Idea presentation	Dr. R. Prasanna Rani Dr. K. Prasad Babu
	1:35-3:00 PM	Technical Quiz	Sir. I. Balakrishna Dr. Harsha Nagar

Thanking You,
With Best Regards

Dr. P. V. Naga Prapurna**Sri. I.****Balakrishna****Dr. K. Prasad Babu**

HOD, Chairman

Convener

Co-ordinator

Chemical Engineering Department
Outstanding Alumni Awardee on 25-12-2020

As part of Institute Alumni meet “Rejoicing Reunion”, the department communicates to all the alumni and invite them to alumni meet on 25th Dec every year to celebrate alumni success, strengthen the bond and evolve ways as to form mutual beneficial relationships. The institute selects and honors its Alumni for their contributions to the department and institute.



Mr. ANIL POTLURI (Batch: 2011)
Managing Director of Green Waves Environmental
Solutions, Hyderabad

A handwritten signature in blue ink, appearing to read 'Anil Potluri'.

HoD – Chemical Engg