



C. V. Raman
Global University
ODISHA BHUBANESWAR INDIA



ANNUAL **REPORT** 2023-24

www.cgu-odisha.ac.in

ANNUAL REPORT

CONTENTS

Sl. No.	Subject	Page No.
I	<p>Overview</p> <ul style="list-style-type: none"> i. Executive Summary of University activities ii. Vision & Mission iii. Details initiatives of CGU iv. Awards & Recognition v. Organisational Structure vi. Governing Body (BoG) & Other Statutory committees vii. Our Strategic Alliances (MoUs) viii. Programmes Offered ix. Convocation Ceremony at CGU 	01-20
II	<p>Functional units of the University</p> <ul style="list-style-type: none"> i. General Service & Administration ii. Human Resource Department iii. Finance Department iv. Dean, Academics v. Admission at CGU vi. University Hostels at a glance vii. Dean, Students Welfare viii. Office of the Controllers of Examination ix. Alumni Relations x. International Education Cell xi. Research xii. CGU – Entrepreneurship Development Cell xiii. CGU – Incubator (CGU-TBI & AIC) xiv. Training and Placement xv. IQA Cell xvi. Central Library xvii. IT Infrastructure 	21-104
III	<p>Academic Faculties of the University</p> <ul style="list-style-type: none"> i. Faculty of Engineering & Technology ii. Faculty of Physical & Mathematical Science iii. Faculty of Humanities & Social Science iv. Faculty of Tourism & Hospitality v. Faculty of Agriculture & Allied Sciences vi. Faculty of Management vii. CGU Centres of Excellence at a Glance viii. Details of Workshop/Seminar/invited talk 	105-133
IV	CGU in News	134-135

I

OVERVIEW

Executive Summary of University activities

Introduction

C. V. Raman Global University, has been established with a vision to prepare Gen Z students and beyond to be higher education enabled innovative leaders, leveraging the best of 21st skills. Thus, being ready to create a change in the society, as professionals who can solve the problems of today and the challenges of tomorrow. Established in 2020 (formerly C.V. Raman College of Engineering, established in 1997) CGU currently offers UG, PG, PG diploma and PhD programs and skill certifications in emerging domains under the Faculties are those of Engineering, Physical Sciences, Management & Law, Agriculture, Humanities & Social Science and Tourism and Hospitality. CGU soon hopes to be offering learning and research opportunities in domains including Medical Science, Nursing, Allied Health Science, Pharma, Law and Liberal Arts. CGU has been a recognised partner of NSDC in our 25+ skills sectors along with recognition for Training of Trainer (ToT) programs in many domains. The leadership of CGU in skill reflects in CGU winning over 29 national medals. We are also glad to inform that for the 7th consecutive year the Faculty of Engineering, CGU figures among the top 100 in NIRF (MHRD, Govt. of India) ranking.

The university in line with its vision is to emerge as a global leader in the area of higher education continues its efforts to create state of art infrastructure to enable the students and faculty. This includes establishment of smart classrooms, world class labs, skilled courses seamlessly incorporated in to curriculum and facilitated through over 20+ Centres of Excellence CoEs) setup in collaboration with industries. These centres of excellence include Bosch, Festo, Galsen, Google Lab, HVAC, QUANSER, Robotics, Schneider-Electric, CDAC, Cisco, Cyber Security, Nation Instruments, PCB & Circuit Design, Plumbing, SEW EURODRIVE, Siemens, TATA Technology, TRTC, VLSI, and Welding. These centres not only cater to our students' skilling and project activities, but equally cater to product design and development to external agencies including PSUs, ISRO, DRDO to MSMEs and MNCs. This linking of skills and knowledge has led to research projects, consultancies and production of industrial components besides enabling the start-ups in the two incubation centres in the campus namely Atal Incubation Centre (AIC-NITI Aayog) focusing on manufacturing and ICT enabling experience centre and DST- TBI focused on food & food processing technology.

Vision

The vision of the C.V. Raman Global University, Odisha is:

To emerge as a global leader in the area of technical education commensurate with the dynamic global scenario for the benefit of mankind.

Mission

The missions of C.V. Raman Global University, Odisha are:

- ❖ *To provide state-of-art technical education in the undergraduate and postgraduate levels.*
- ❖ *To work collaboratively with technical Institutes / Universities / Industries of National and International repute.*
- ❖ *To keep abreast with latest technological advancements.*
- ❖ *To enhance the Research and Development activities.*

Details of the initiatives undertaken by the University:

- ✓ The introduction of project-based activities and experiential learning from the first year, through courses like "Design Thinking and Problem Solving" and "IP and Entrepreneurship," has been facilitated by the AICTE IDEA Lab.
- ✓ CGU was among the first 50 institutions in the country selected for the AICTE IDEA Lab, receiving a grant of approximately Rs 1 Crore for delivering experiential learning.
- ✓ CGU has positioned itself as a pioneer in embracing the principles of the National Education Policy (NEP) 2020 through a distinctive educational approach that seamlessly integrates teaching, learning, experimental learning, and skill development in collaboration with industry based labs.
- ✓ CGU has 25 Centres of Excellence (CoEs), R&D Labs, Central Tool Room, AICTE IDEA lab, Incubation Centre and more, alongside partnerships with leading national and international industries.
- ✓ Ultimately leading to innovation, research, job creation, quality higher education, entrepreneurship, self-reliance (Atma Nirbhartha), and fostering the "Joy of learning" in both the learner and the facilitator.
- ✓ Thrust on International Placement and Internship.
- ✓ Establishing Space System Engineering Centre & Advanced 3D Printing Lab.

Awards & Recognitions

To improve the overall perception of the university, it is imperative that it is recognized by reputed educational and institutional authorities showcasing its academic and infrastructural abilities. Since its inception, CGU has been conferred with awards. Necessary support in the form of detailed information and background data for evaluating our case for award has been provided by the Registrar office. During the last year CGU has been conferred with the following awards and recognitions.

Ranking and Accreditations:

- ✓ Within top 100 Engineering Institutions in India by NIRF (National Institute Ranking Framework), MHRD, and Govt. of India during 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023 & 2024.
- ✓ NBA – Accredited 03 UG Programs (CSE, Mechanical & ECE)
- ✓ CGU awarded “Skill Champion” by Govt. of Odisha in 2023
- ✓ CGU awarded Higher Education Excellence award by FICCI in 2022
- ✓ TIMES Engineering Survey 2024:
 - ❖ 04th Best Engineering Institute in Regional Ranking (East Zone)
 - ❖ 09th in All India Top Pvt. Institutions Placement Ranking
 - ❖ 09th in All India Top Private Engineering Institute
 - ❖ 11th All India Ranking
 - ❖ 04th All India Top Institutes Research Capability
- ✓ As per Times Engineering Survey (2022), CGU secured a notable position among the top engineering colleges in the country, ranking 35th among the top privately run engineering institutes nationwide and 4th in the eastern region.
- ✓ The University was recognized as a "PERFORMER" in the "University & Deemed to be University (Private/Self-Financed) (Technical)" category in the Atal Ranking of Institutions on Innovation Achievement (ARIIA) 2021, a flagship program of the Ministry of Education, Government of India.

Awards received by the University:

- ✓ Ms. Manisha Padhi, alumni of CGU have been appointed as the ADC to The Hon'ble Governor of Mizoram in 2023 and became the first ever female to hold the position.
- ✓ C.V. Raman Global University, Odisha, won the Award for Skills Champions at the Odisha Skill Conclave 2023.
- ✓ Our highly skilled contingent bagged a total of 55 medals including 19 Gold, 17 Silver, and 19 Bronze in the competition making a statement that showcases their expertise. The state-of-the-art facilities in our labs and the unending passion from the students have played a key role in bringing laurels to the institution. We congratulate all the winners for this inspiring feat!
- ✓ Ms. Swagatika Mohanty, Civil Engineering (2013-17), has bagged the 15th rank in Odisha Civil Services Exam in 2023 and is now a functional, respectable, responsible OAS.
- ✓ Safia Aktar, Anshu Kumari, and Radhika Rani Panda won the 1st prize at '10-Hour Women Hackathon' organised by Trithon Triplets 2k23.
- ✓ Abhishek Kumar, B.Tech (ECE) awarded the Visweswaraya Prativa Puraskar at Odisha Technological Conclave, 2023.
- ✓ Hon'ble Minister of Skill Development & Entrepreneurship, Shri Dharmendra Pradhan, felicitated C.V. Raman Global University for its outstanding contribution to Worldskills Competition, 2022 and also appreciated and felicitated Praveen Giri and Subrat Patel, the medal winners from CGU.
- ✓ Prof. (Dr.) Sudhindra Nath Panda, Vice-chancellor of our university and the first Agricultural Engineer of Odisha, has been awarded with the Gold Medal for Lifetime Achievements 2023
- ✓ CGU was invited to World Skill Asia 2023 held in Abu Dhabi as a 'Special Invitees'.
- ✓ Mr. Praveen Giri won the Silver Medal in the area of Water Technology at World Skills, Stuttgart, Germany, 2022.
- ✓ Mr. Subrat Patel won Medallion of Excellence in the area of Restaurant Services at World Skills, Stuttgart, Germany, 2022.
- ✓ 9 students represented India in Worldskills 2022 in 7 various Skills.

Social and Societal Commitment:

The university is expanding its flagship social engagement program SAFAL, with more girls joining the program. Further the inflow of international students has been gradually increasing with President scholarship from our university. Our international student strength has been growing year on year with over 200+ students from 20+ countries.

Important Social and Academic Responsibilities of the University:

- ✓ The University has initiated Lifelong Learning to support alumni in acquiring additional skills for career enhancement.
- ✓ It implemented the "Safal" program, supporting orphan girls' education with full endowment.
- ✓ The university offers merit scholarships for girls demonstrating consistent high performance, promoting leadership among women.
- ✓ The institution has collaborated with Odisha Skill Development Authority for skilling certificate programs, focusing on manufacturing and tourism/hospitality industries.
- ✓ It is also engaged in NSS activities to carry forward different Government schemes like- Kalash Yatra under the program "Mera Mati Mera Desh", the cleanliness drive Ek Tareek Ek Ghanta Ek Saath under Swachha he Seva Campaign and a Plantation Drive under G 20 Jan Bhagidari.
- ✓ It has also expanded networking and collaboration with other universities and companies, and has been hosting visits from global entities.

Placements, Incubation, and Entrepreneurship:

The University plays a proactive role in ensuring a bright future for all its students. It achieved a milestone in terms of placement, with all eligible students securing more than two offers, totalling close to 1500 offers. Many students also opted for higher education or state and national services. CGU also hosted the Start-up-East event in collaboration with Niti Aayog & DST, providing a platform for incubated companies to interact with national leaders, venture capitalists, and mentors.

Organizational Structure

The organisational set up of the University is structured basing on different academic operations and activities to facilitate proper and effective functioning of its constituent institutes/Faculty of Studies and other Centres of Learning and Research. It provides operational flexibility and integration of various activities and programmes run by different constituent institutes/Faculty of Studies.

The organisational structure indicates the hierarchical positions in the administrative, academic and financial wings, the role and responsibilities of the functionaries in the respective hierarchy and inter-relationship of various authorities in the University.

Board of Governors:

Composition of the Board of Governors:

Sl. No.	Name of the Member	Remarks
1	Sri Sanjib Kumar Rout, President, C.V. Raman Global University, Odisha	Chairman
2	Smt. Shailja Rout, Vice-President, C.V. Raman Global University, Odisha	Member
3	Vice-Chancellor, C.V. Raman Global University, Odisha	Member
4	The Secretary to Govt. of Odisha, Skill Development & Technical Education Department	Member ex-officio
5	Sri Pratap Keshari Deb, MLA	Nominated by the Hon'ble Speaker of Odisha Legislative Assembly
6	Sri Sarat Chandra Bhadra, President, Raman Education Society	Nominated by the Secretary of the Raman Education Society
7	Dr. Pratima Pattanaik, Medical Officer, C.V. Raman Global University, Odisha	
8	Sri Hiranmaya Mohanta, Director, GTU Incubator	Nominated by the Raman Education Society
9	Mr. Harkesh Mittal, Chairman, Startup India Seed Fund Committee, Govt. of India	

10	Prof. Sunil Kumar Sarangi, Professorial Fellow, IIT Bhubaneswar and Academic Advisor, C.V. Raman Global University, Odisha	
11	Sri Sasanko Sekhar Mohanty, HoD, Civil Engineering, C.V. Raman Global University, Odisha	Nominated by the President, C.V. Raman Global University, Odisha
12	Dr. Sanjita Lenka, HoD, MBA Department, C.V. Raman Global University, Odisha	
13	Sri Tapan Kumar Satapathy, Additional Secretary to Govt. of Odisha, Skill Development and Technical Education Dept.	Nominated by the State Govt. of Odisha
14	Prof. (Dr.) Sribasta Behera, Professor, Electronics & Instrumentation Engineering, CET Bhubaneswar	

Statutory Authorities

The University has constituted the following statutory bodies/authorities for due discharge of functions and responsibilities.

1. Academic Council:

The Academic Council is the principal academic body of CGU, Odisha. It is mainly responsible for maintenance of standards of teaching, research and training, approval of syllabus, co-ordination of research activities, examination and tests within the CGU, Odisha. The members of the council include; Dean(s) of Faculties, Heads of the Departments, some Professors, Associate Professors, Assistant Professors and other Members of the Faculties included from time to time. The Vice Chancellor of CGU is the Chairperson of the Academic Council and the Registrar is the ex-officio Secretary of the Council.

Composition of Academic Council

Sl. No.	Name of the Member	Designation
1	Vice Chancellor	Chairman
2	Prof. A.K. Sahoo, Dean-Academics	Member
3	Prof. P. Kanungo, Dean -Engineering	Member
4	Prof. D.K. Dash, Dean - Agriculture	Member

5	Capt. C.R. Biswal, Dean - Marine	Member
6	Prof. Sukanta Kishore Bisoy, DSW	Member
7	Dr. Sasmita Mishra, Dean – International education Cell (I/C)	Member
8	Prof. A.K. Sahoo, HOD, EEE & EE	Member
9	Prof. S.S. Mohanty, HoD-Civil Engg	Member
10	Dr. Rojalina Priyadarshini, HoD-CSE	Member
11	Dr. Tusarkanti Dash, HOD, ECE	Member
12	Prof. R. Mohanty, HoD-Chemical Engg. & Mechanical	Member
13	Prof. Amiya Prusty, Dean, Pharmacy	Member
14	Prof. S. Lenka, HoD-MBA	Member
15	Dr. K.L. Mahanta, CoE & HoD, Mathematics	Member
16	Prof. P.P. Pattnaik, HoD - HSS	Member
17	Dr. Jayashree Mohanty, HoD - Chemistry	Member
18	Dr. H. Mohapatra, HoD-Physics	Member
18	Dr. Madhusmita Sahu, HoD-CSIT	Member
19	Dr. P.K. Barik, Librarian	Member
20	Ms. Soumya Mishra, Coordinator - IQAC	Member
21	Dr.. P.K. Mohapatra, Faculty I/C Placement	Member
22	Dr. A. C. Panda, CWH	Member
23	Dr. T. Badapanda, Associate Prof., Physics	Member
24	Dr. H. Joardar, Associate Prof. Mechanical	Member
25	Prof. K.C. Patra, Retd. Prof. IGIT-Sarang	Member
26	Prof. G. Panda, Retd. Prof., IIT-Bhubaneswar	Member
27	Prof. S.K. Sarangi, Academic Advisor	Member
28	Dr. Surendra Nanda, Asst. Prof., CSE	Member
29	Mr. Rajat Samantaray, Asst. Prof. EE	Member
30	Mr. Rajaraman Subramanian (GIRI) Co-founder & Director of Engineering, Calligo Technologies, Bangalore	Member
31	Dr. Binita Panda, Registrar, CGU	Member Secretary

Managing Committee:

Committee is the principal planning and managing body of the CGU and is responsible for monitoring of various development programmes of CGU. The Vice Chancellor of CGU is the Chairperson and the Registrar is the Secretary of the Managing Committee.

Composition of Managing Committee:

S. No	Name	Profession
1	Vice Chancellor, CGU	Ex-Officio Chairman
2	Registrar, CGU	Member
3	Dr. P.K. Jena, MBBS, MS-FRCS	Member
4	Mr. Sarat Chandra Bhadra, Eminent CA	Member
5	Mr. Manoj Kumar Nayak, Asst. Professor, Mech.	Member
6	Mr. Kshirod Kumar Satapathy, Finance Officer, CGU	Member
7	Mr. Debendra Prasad Mishra, Legal Officer, CGU	Member
8	Prof. Dillip Kumar Dash, Dean Agriculture, CGU	Member
9	Mr. Surendra Kumar Nanda, Asst. Professor, CSE	Member

Finance Committee:

The Finance Committee is the principal financial body of the University and to chalk out the annual accounts and financial estimates of the University and recommend the annual budget and revised estimates to the Board of Management/Governors for Approval. The Vice President of CGU is the Chairperson and the Registrar is the ex-officio Secretary of the Finance Committee.

Composition of Finance Committee:

S. No	Name	Profession
1	Smt. Shailja Rout, Vice President, CGU	Ex-Officio Chairman
2	Vice Chancellor, CGU	Member
3	Dr. Binita Panda, Registrar, CGU	Ex-Officio Secretary
4	Mr. Kshirod Kumar Satapathy, Finance Officer, CGU	Member

Board of Studies:

Each teaching Department of the CGU, Odisha has a Board of Studies (BOS) under the Chairmanship of the Deans of the Faculty/Heads of the Department. The members of the BOS include; Professors, Associate Professors and Assistant Professors as decided from time to time. The Statutory authorities discharge their duties and responsibilities and transact their business through regular meetings.

Important committees of CGU, Odisha

The management and operations of the CGU, Odisha are carried out with the assistance and support of several other committees and functionaries. Names of some important committees are as follows;

- a) Internal Quality Assurance Cell
- b) Examination Committee
- c) Research Committee
- d) Anti-women Harassment Cell
- e) Library Committee
- f) Admission Committee
- g) Student Discipline & Welfare Committee
- h) Grievance Redressal Committee
- i) Anti-ragging Committee and Squad
- j) Internal Complaints Committee

Composition of IQAC Committee:

S.No	Name	Designation
1	Vice-Chancellor	Chairman, IQAC
2	Mr. Shivendu Jauhari	Member
3	Dr. Sashikant Kar	Member
4	Prof. Dillip Kumar Dash, Dean, AG	Member
5	Dean Academics	Member
6	Faculty Members from all Department	Department Coordinators
7	Ms. Rojalina Priyadarshini, HoD, CSE	Coordinator/Convenor
8	Mrs. Soumya Mishra, Asst. Prof, ECE	IQAC Institutional Coordinator

Composition of Research Committee

Sl. No.	Name of the Faculty	Designation
1	Dr. Ranjita Mohanty, HoD-Chemical & R&D I/C	Coordinator
2	Dr. T.P. Mohapatra, Asso. Prof., ME	Co-coordinator
3	Dr. Sabyasachi Parida, Asso. Prof., Physics	Member
4	Dr. Jayashree Mohanty, Asso. Prof., Chemistry	Member
5	Dr. T.N. Singh, Asso. Prof., Mathematics	Member
6	Dr. Debarpita Ghosal, Asst. Prof., Chemical	Member
7	Ms. Priyanka Sen, Asst. Prof., EE	Member
8	Ms. Monalisa Mishra, Asst. Prof., CSE	Member
9	Mr. M.Z. Lazarus, Asst. Prof., EEE/AEI	Member
10	Ms. Anjana Mishra, Asst. Prof., CSIT	Member
11	Dr. Mukesh Tiwari, Asst. Prof., HSS	Member

Composition of Anti Ragging Committee:

S.No	Name	Designation
1	Vice-Chancellor	Chairman
2	Dean, Faculty of Engineering	Member
3	Mr. M.K. Nayak, Asst. Prof.- Mechanical	Member
4	Chief Warden, Hostels	Member
5	Mr. D.P. Mishra, Legal Officer	Member
6	Parents Representatives (02nos.)	Member
7	Students Representative	Member
8	Dean, Students' Welfare	Member

Officers of the CGU, Odisha

The CGU, Odisha has the following officers;

- a) The President
- b) The Vice-President
- c) The Vice-Chancellor
- d) The Registrar
- e) The Finance Officer
- f) The Deans of Faculties
- g) The Controller of Examinations
- h) Heads of the Department
- i) The Librarian

In addition to the above, there are other officers/functionaries, who discharge their duties and responsibilities as required by the CGU, Odisha from time to time.

MoUs Details

Details of MoU	Date of Sign	Objective
MoU between CGU & The Western Galilee, (IsrAEL)	17-06-2023	Exchange of researchers, teaching staff, administrative staff and students within the norms of the respective countries
MoU between ICAR-Indian institute of Water Management(ISAR,IWWM) BBSR, Odisha	26-06-2023	Student's industrial training, faculty and scholar research, women in agriculture activities
MoU between Swadesi & CGU	27-06-2023	Working together i.e. Unnati Aamrit for promotion of sustainable Mango value chain development in Easter India (Odisha)
Maruti Suzuki India Limited, New Delhi - 110070	04-07-2023	Industry - Academia partnership, knowledge transfer, learning and skill building of the selected youths who have enrolled into BBA in Retail Management
Techno Commercial Proposal for Campus Management System, Learning Management system & Assessment Management(ERP)	05-07-2023	Campus management syste, learning management and examination management on Cloud
MoU between CGU and Universite D' Antananarivo Informatique ET Technologies, Faculte Des Sciences, Africa	14-07-2023	Student Exchange Programme
MoU between CGU & Universitas Brawijaya (UB), Indonesia	23-08-2023	Student mobility and visiting scholar programs, academic programe collaborations, joint publication and research activities etc.
MoU between CGU & Universite Grenoble Alpes (UGA),France	17-08-2023	Exchange of University personnel, te develop teaching and research activities, joint research and publications, student exchange etc
MoU between Eut + Partner Universidad Politecnica de Cartegana (UPCT) & CGU, Odisha	16th Feb'2024	Academic Collaboration
MoU between France and Kedge Business School & CGU, Odisha	15.03.2024	Potential collaboration in Academic areas
MoU between Institute of Chemical Technology (ICT) & CGU Odisha	31.01.2024	Academic & Scientific cooperation, Joint collaborative research work between student, faculty and staff

MoU between Randstad India Pvt. Ltd & CGU, Odisha	27.03.2024	Coordinating acceptance of the Job offer by and between the potential candidates
MoU between Burdur Mehmet Akif Ersoy University & CGU, Odisha	14.03.2024	Develop academic, cultural and social cooperation the field of student Placements
MoU between Eut + Partner Universidad Politecnica de Cartegana (UPCT) & CGU, Odisha	16.02.2024	Academic Collaboration
MoU between France and Kedge Business School & CGU, Odisha	15.03.2024	Potential collaboration in Academic areas
MoU between Batoi Systems Pvt Ltd & CGU, Odisha	26.04.2024	Set up Lab for Education and Research
MoU between EUSAI & CGU, Odisha	30.04.2024	Promotion of Sports Nationality and Internationality



Details of Programmes

Faculty of Engineering & Technology

Department	UG Program	PG Program	PhD Program
Department of Chemical Engineering	B.Tech in Chemical Engg	M.Tech (Research) in Chemical Engg	Ph.D. in Chemical Engg
Department of Civil Engineering	B.Tech in Civil Engg	M.Tech (Research) in Civil Engg	Ph.D. in Civil Engg
Department of Computer Science & Engineering	B.Tech in Computer Engg	M.Tech in Computer Science and Engg	Ph.D. in Computer Science and Engg
	B.Tech in Computer Science & Engg	M.Tech (Research) in Computer Science and Engg	
	B.Tech in Computer Science & Information Technology	M.Sc. in Computer Sc. & IT (IoT and Cyber Security)	
	B.Tech in Computer Science & System Engg	M.Sc. in Computer Sc. & IT (AI and Machine Learning)	
	B.Tech in Computer Engg (Software Engg)	M.Sc. in Computer Sc. & IT (Cloud Computing)	
	B.Tech in Computer Science & Engg (AI & Machine Learning)	PG Diploma in Computer Science and Engg (IoT& Cyber Security)	
	B.Tech in Computer Science & Engg (Data Science)	PG Diploma in Computer Science and Engg (AI & Machine Learning)	
	B.Tech in Computer Science & Engg (IoT & Cyber Security including Block Chain Technology)	PG Diploma in Computer Science and Engg (Cloud Computing)	
	B.Tech in Computer Science & Engg (Cloud Computing)	PG Diploma in Computer Science and Engg (Web Technology)	
	B.Tech in Computer Science & Engg (Web Technology)		
	B.Tech in Artificial Intelligence and Data Science		
	B.Tech in Robotics and Artificial Intelligence		
Department of Electrical Engineering	B.Tech in Electrical Engineering	M.Tech in Electrical Engineering	Ph.D. in Electrical Engineering
	B.Tech in Electrical & Electronics Engineering	M.Tech (Research) in Electrical Engineering	
Department of Electronics & Communication	B.Tech in Electronics & Communication Engineering	M.Tech in Electronics & Communication (Signal Processing & Communication)	Ph.D. in Electronics & Communication Engineering

Engineering		M.Tech (Research) in Electronics & Communication Engineering	
Department of Marine Engineering	B.Tech in Marine Engineering		Ph.D. in Marine Engineering
Department of Mechanical Engineering	B.Tech in Mechanical Engineering	M.Tech in Heat Power Engineering	Ph.D. in Mechanical Engineering
		M.Tech in Mechatronics	
		M.Tech (Research) in Mechanical Engineering	

Faculty of Physical and Biology Science

Department	PG Program	PhD Program
Department of Physics	M.Sc. in Physics	Ph.D. in Physics
Department of Chemistry	M.Sc. in Chemistry	Ph.D. in Chemistry
Department of Mathematics	M.Sc. in Applied Mathematics and Computing	Ph.D. in Mathematics

Faculty of Management and Law

Department	UG Program	PG Program	PhD Program
Department of Management	BBA	MBA	Ph.D

Faculty of Humanities and Social Science

Department	PG Program	PhD Program
Department of Humanities	MA in English	Ph.D. in English

Faculty of Agriculture

Department	UG Program	PG Program
Faculty of Agriculture	B.Sc. in Agriculture	M.Sc in life Science
		M.Sc in Zoology
		M.Sc in Botany
		M.Sc in Bio-informative
		M.Sc in Hospitality and Administration
		M.Sc in Biotechnology

Faculty of Pharmacy

Department	UG Program
Faculty of Pharmacy	B.Pharm

Faculty of Tourism and Hospitality

Department	Diploma	UG Program	PG Program	PhD Program
Faculty of Tourism and Hospitality	Diploma in Hotel Management	Airlines, Tourism & Hospitality	Travel & Tourism Management	PhD in Hotel Management
		Culinary & Pastry Arts	Hotel Administration	PhD in Tourism
		Hotel & Hospitality Administration		

Other Courses

Course Details	Course Name
Online Course	Post Graduate Diploma in Data Science
	Master of Computer Application
	Master in Business Administration
Other Marine Short-term Courses	1Yr Graduate Marine Engg (GME)
	STCW Courses

4th Convocation Ceremony of C.V. Raman Global University, Odisha

C.V. Raman Global University (CGU), Odisha has recently concluded its 4th Convocation on 28th December 2023. Sri Sanjib Kumar Rout, Founder & President of CGU presided the ceremony & awarded Gold Medals to 17 UG and PG candidates, conferred Doctorate, Masters and Bachelor's Degrees to a total of 934 students.

India's prestigious Padma Bhushan awardee, Dr. Ajai Chowdhry, Cofounder of HCL Technologies attended the event as the Chief Guest and was conferred with **Doctor of Science (Honoris Causa)** for his outstanding contribution to the society in the field of IT.

Honourable Dr. Ajai Chowdhry in his speech appraised the students how the latest and emerging technologies such as quantum computing, nuclear science, space engineering, AI, and big data will impact the educational and economic development of the society in the future. In particular, Dr. Chowdhry stressed on the need to become a product development ecosystem rather than only being a service provider and spoke about the future industry trend of manufacturing of semiconductor device and its related tangible softwares.

Sri Rout encouraged the students and projected the future plans of the University including setting up multiple Sports and hobby clubs. He mentioned that in view of the situation, conscious pro-employability steps have been taken to offer various courses in offline and online mode through Life Long Learning department of the university thereby helping the graduates to get a better job. He also said that the BOG (Board of Governors) of CGU has taken a conscious decision to give more emphasis on start-ups and entrepreneurship

and also committed to expand the Nidhi TBI incubation centre to accommodate around 500 start-ups.

Further to this he highlighted on introduction of new courses linked to NEP which will be more effective in increasing multidisciplinary skills, enhancing employability of the students. Sri Rout extended his commitment to promote the students in diverse fields such as literature, arts and sports etc with the state-of-the-art facilities in the future.

In this occasion, CGU's Board Members, Sri Sarat Chandra Bhadra, Sri Hiranmay Mahanta, Mrs. Shailja Rout, Prof. (Dr.) Sunil Kumar Sarangi & Sri Sasanko Sekhar Mohanty graced the event.

Professor (Dr.) S.N. Panda, Vice Chancellor delivered the annual report of the university and Dr. Binita Panda, Registrar extended her good wishes to all the successful graduates & participants.



II

FUNCTIONAL UNITS OF THE UNIVERSITY

General Services & Administration Department

The administration department, CGU is responsible for development and maintenance of entire infrastructure at CGU landscaped over 100 acres. The administration department is supported by the sections of Engineering, Maintenance, Project, Purchase, Security, Admin, Housekeeping, Horticulture, Transportation etc.

This department encompasses a bouquet of services ranging from developing a new infrastructure projects, modifications and augmentation of existing infrastructure by way of extending Engineering & Maintenance support, catering the need of all types of Purchases, ensuring Security of campus always 24x7x365, estate management, Faculty & Guest House Maintenance, Controlling Central Stores, handling & maintaining a fleet of University transport, liaison with civil and government agencies, extending administrative & logistic support to all, major events, seminars, functions, academic and sports activities of the University. This department position also plays an active role in the 'Student Hostel' facilities.



Green Initiatives and Waste Management at CGU, Odisha:

Environment Consciousness

The CGU takes necessary measures to maintain green and clean campus by taking up plantation of trees, conducting proper disposal of biomedical, biodegradable and e-waste materials. Every year saplings are planted inside the campuses to increase the green cover in

the campus and outside it with participation of NSS wing students and other volunteers. Every year, apart from other plantation drives, the students and NSS Volunteers of the CGU take up plantation of trees/saplings in the campuses and along the road sides during the 'Vanmahostav' Week observed during the 1st week of July every year as measure for protection of environment.



Eco-friendly Campus and Plantation

The CGU maintains clean and green campus with neighbourhood development initiatives like plantation of trees in the campuses, avenue plantation along the roadsides nearby to make the environment eco-friendly. Every year during the celebration of 'Vanamahostav' (1st week of July) week and thereafter, plantation of saplings in the CGU campus and around is taken up by student volunteers with participation of NSS wing.



Student volunteers of CGU spent a week in the nearby village to spread awareness about Water Harvesting structures including check dam construction, roof top rain water harvesting, Soil Conservation, Organic Farming, Dryland farming and other Agricultural programmes to the villagers.

The University is disposing off E-Waste (Waste Electronics & Electrical items) and other hazardous substance to the company, who has been authorized by State Pollution Control Board, ODISHA after observing necessary formalities.

Energy Conservation

The CGU gives emphasis on construction of buildings with provision for adequate natural light and ventilation to reduce consumption of electricity in day time. Its administrative office, all teaching department buildings, hostels etc. use low watt energy efficient CFL/LEDs lamps/bulbs. Mercury and sodium vapour street lights have been replaced with use of LED sets/lights. Faculty members, staff and students are well sensitized to make economic use of electricity energy. Master switch arrangements have been made to switch off the Fans/Lights at idle hours to save energy.

Use of Renewable Energy-

- Solar & Wind energy
- Solar Heating
- Efficient lighting
- Electronics appliance
- Energy efficiency equipment
- Energy efficient building
- Solar dryer
- Solar street lights with automatic off and on control.
- Solar power and backup
- Wind power generators with solar photovoltaic cells (Hybrid),
- Biogas plants are installed at central canteen and ladies hostel canteen, which generates cooking gas from the canteen waste
- Solar cooker in the central canteen.





(Wind Energy)



(Energy efficiency Vehicles, Lights etc.)



(Energy Efficient Building)



(Solar dryer used for drying Spices, Prawn, Mushroom, Vegetables)

Hazardous Waste Management

Student volunteers/ Student Clubs conduct awareness campaigns to sensitize local inhabitants on proper disposal of waste materials, on maintenance of clean and green environment, about adverse effects on use of polythene bags, against rampant felling of trees etc. in the locality. Chemical and biological waste materials are properly disposed with necessary precautions.

BIO GAS PLANT IS USED FOR CONVERSION OF FOOD WASTE TO METHANE GAS OR BIO GAS IN CANTEEN FOR FOOD PREPARATION AS WELL AS FERTILISER FOR GARDEN.



(Food Waste generated from canteen)

However a modern Waste water Treatment plant is commissioned in the campus to take care of waste water to reuse it for gardening.

❖ SOLID LIQUID WASTE :

- Human waste: human waste manure is used in nursery
- Recycling water used in – toilets flushing , gardening, cricket field and vehicle washing



STP PLANT

- Grass and dry leaves
- Recycling of cutting grass, dry leaf for production of briquettes to be used in boilers, bio-fuel stoves.
- Paper waste – supplied to recycling plant
- Products - writing pad, folder file and internal exam answer sheets etc



RECYCLING UNIT



BRIQUETTES

SOLID WASTE AND SANITARY LANDFILLS:



Goals for year 2023 – 24:

- Enhancing campus safety and preparedness through a comprehensive emergency management program, and implementing a university-wide operations plan by 2023.
- Full space inventory update of all campus buildings by 2023.
- New Buildings and Facilities under planning.

Human Resource Department

The HR office at CGU, Odisha ensures that the University's Mission, Vision and Values are upheld in everyday activities, like providing service to the university staff and employees. The HR Office drives strategies around Talent, Culture, Process Excellence and Organizational effectiveness. It also manages Recruitments, Organizational Development with the objective of developing and implementing progressive HR policies and procedures designed to foster excellence in a diverse work force. HR department has launched career advancement scheme (CAS) for providing promotion to eligible faculty members of the university.

The leadership development program has been done for CGU staff with an aim to create leaders in academia in the Indian and global context. It aims to develop openness to learning and feedback, faculty thinking as institution builders, nurturing talent and leveraging strengths of individuals through various workshops.

Objectives:

- To develop Leadership Capability of staff in CGU
- Ready internal pool of leaders for succession with skills to man critical positions
- Build the leadership pipeline in the University

Considering the University's growth in the past and our leadership requirements in the future, CGU has undertaken the leadership program, a well-planned initiative to develop leaders from within, to grow them to higher-level roles and responsibilities in the institutions of CGU.

Revamping of CAS for Academic Staff:

Keeping in mind the Vision-2025 and also to raise the bar in quality academics, research and consultancy, a new Career Advancement Scheme for Academic Staff was introduced for better contribution by employees towards achieving the University Goal and for Individual Development of the Employees.

Finance Department

The Finance Department of CGU handles and maintains all the financial accounts and activities of CGU and its constituent institutions.

These include:

Student Finance:

Student Fee Collections, Fee Receipts, Scholarships, Refunds, and related student services.

Treasury Operations:

Fund Flow Management, Investment of Funds, disbursement of funds for vendor payments of capital and operating expenses.

Vendor Payments / Account Payables:

Processing the payments of Infrastructure projects, Academic & Research Activities, Admin & Operating expenses. Payroll services to all faculty and staff at the University.

Financial Accounting & Reporting:

Maintain the university books of accounts, monthly book closure, periodical MIS, financial statements of the University and preparation of Annual Budgets.

Taxation and Statutory Compliances:

Handling the compliances with taxation and other statutory requirements such as Labor Cess, Gratuity, EPF, ESI, TDS, GST, TCS and NPS etc.

The Finance Department is also responsible for framing and implementing financial policies and rules, handling Internal & Statutory Audits, Tax related issues and consolidation of accounts. Department handles providing various financial data and reports required for Ranking, Assessment and Accreditation of the University and its constituent units.



Dean, Academics

Academics being the primary activity of the university, the Dean, Academics coordinates the academic activities of the university. The Dean is consistently working to imbibe the best practices for updating course curricula with the aid of intellectual talent available in the academia and other stake holders.

The major responsibilities undertaken by Dean include notification of academic calendar, allotment of Open Electives, optimum utilization of class rooms and infrastructure facilities, preparation of centralized timetable, student registration and finalization of eligible students list for examinations. CGU has consistently and diligently worked to imbibe the best practices for updating course curricula with the aid of intellectual talent available in the academia and other stake holders.

The University practices comprehensive and standardize procedures to design new curriculum and revise and amend the existing ones at regular intervals.

The Dean, Academics mission is to provide an educational experience that is rigorous, negotiated, and relevant. Every day is a new day to learn new ideas and share with students in classrooms, laboratory, seminar hall or workshops. The Dean always aims to improve and expand our curriculum, facilities, and technology. DA believes that every student is unique and has his/her own unique talent. The Dean, Academics creates an environment to sharpen their minds and communication skills, nurture their talents, and help them reach their peak of excellence through active learning.

CGU's education program emphasizes on the development of a global spirit by enhancing the students' learning skills with a focus on ethics in multicultural environments.

Promotion of self-directed and lifelong learning:

With a vision to promote self-directed and lifelong learning, the Dean, Academics is actively incorporating online, and MOOC courses as mandatory learning courses to train the students to utilize the vast knowledge available online and use them to enhance their knowledge in any domain of their choice at a pace that is comfortable for the students. The

process is beneficial for all types of students as they can both augment classroom instructions and build up detailed concept on specific topics by utilizing these options. The university has active collaboration with popular MOOC platforms viz., Swayam, NPTEL, Coursera etc. for certification and ease of participation in the courses.

For the benefits of students CGU has created Life Long Learning Cell in its campus. The Coordinator is encouraging faculty members to develop their own MOOC courses as value added courses and open elective courses and several of them has already been available to the students and others to opt for. For example, for some of the common courses (viz., Environmental Studies, Environmental Science, Value Ethics and Governance, Communication Skills for B.Tech) content has been created and students have started taking advantage of the new way of learning. All Open Elective courses are being run. Many of the established MOOC courses are being mentored by faculty members as Open Elective/Value Added Courses to help the students smoothly integrate the system in their own learning and to solve any doubts that may arise time to time.

Mandatory courses like Value Education, Legal Aid, General English, Environmental studies, NSS, NCC and YOGA sensitize students of their obligations towards society. These courses develop magnanimity and commitment amongst students thereby contributing towards development of a well-rounded personality.

Mandatory industrial training ensures that students are exposed to contemporary industrial trends, innovations, implementation of big data and artificial intelligence in everyday industrial activity. This approach to experiential education addresses the developmental requirements of the country in general, and the local/regional exigencies.

The University offers work-integrated learning through its large network of corporate partners. The postgraduate programs are exemplar of research-academia integration, evidence-based practice and innovation. Our students are in high demand across many sectors. The University promotes learning from experts who operate at the cutting edge of each discipline. We don't just teach textbooks, we conduct the work in the textbooks

through simulation in our classrooms. Our teaching standards are outstanding and being constantly evaluated by students. Graduates are proficient in communication and critical thinking skills, quantifiable according to the highest international standards. The students are trained to have an interdisciplinary and global perspective. In similarly Engineering, the students can do their final year project work entirely in the industry under the joint supervision of the industrial personnel and the internal faculty guide. To promote foreign languages and facilitate the removal the language barrier which often becomes a hindrance, foreign language courses are mandatory part of the curriculum in selected programmes. The Faculty is required to annually upgrade/revise the available curriculum so that the latest technological advances are incorporated in the curriculum as and when needed.

Student Induction Program (2023-24):

The Student Induction Programme (SIP-2023) for the newly admitted students of the programmes was held by the Dean, Academics from 16.08.2023 to 05.09.2023. The research facilities and student achievements in various domains and talks by eminent speakers.



Admission at CGU

The Admission Cell of CGU acts as a facilitator for admissions to various UG, PG & Doctoral level programs across diverse streams including Engineering, Agriculture, Business Management, Hotel Management, Basic Sciences and Humanities.

The Cell formulate the strategic road map for admissions every year. The cell has a team of dedicated counselors who connect with the students to counsel them about their preferred programs. There is a support team to help in assimilating data and doing day-to-day office work. The cell discharges multifarious activities to create visibility and awareness about CGU.

The Admissions cell of CGU, Odisha has a very important role to play in the University. Their primary goal is to get admissions for UG, PG and Doctoral and across diverse disciplines like Engineering and Technology (Including Marine Engineering), Medical Science (including Nursing and Pharmacy), Architecture, Art and Design, Education, Physical and Biological Science, Humanities and Social Science, Management, Law, Vocational Education and Training, Skill Education and Training.

Some of the activities undertaken every year are:

- School Connect Programmes
- Participation in Education-Fairs
- Digital Presence – On Social Media platforms like Facebook, LinkedIn, Instagram, Twitter, Pinterest, and YouTube. On reputed online platforms like Careers360, Shiksha etc.
- Conducting Webinars- On trending topics for engaging students Admissions at CGU has been growing consistently since its inception.

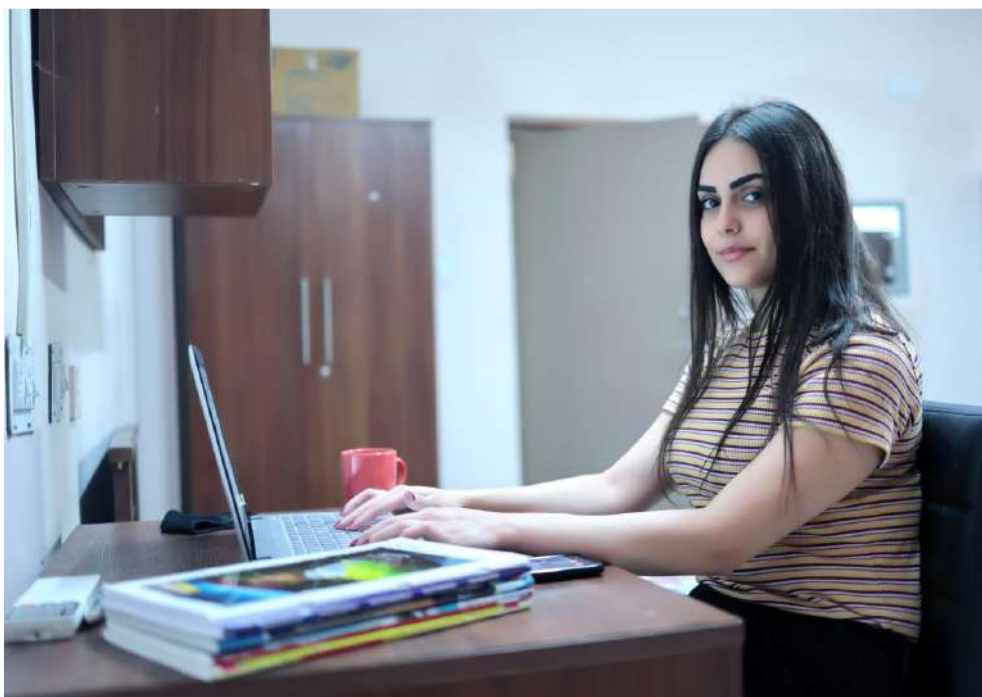
Students Enrolled across all the Departments (Academic Year 2023-24)

YEAR	BRANCH	TOTAL ADMITTED
2023-2024	Under Graduate	1226
	Post Graduate	312
	Diploma	434
	Hotel Management	75
	PhD in all branches	52

University Hostels at a Glance

The hostels at CGU provide suitable accommodation for both male and female students. The infrastructure and facilities within the hostel campus match or even beat most of the national housing campuses. All the students are provided with beds, mattresses, pillows, side table, study table, chair, curtains and an individual cupboard. All the hostels have washrooms with hot and cold-water supply. All hostel blocks are fully Wi-Fi zones. We strongly recommend and encourage students to go for hostel accommodation and enjoy sharing quality time with their friends and fellow students. This enriches both their personal and educational exposure. The hostel provides safe and very comfortable environment both inside and outside the rooms. Fun activities are held from time to time within the hostel campus for the residents.

- Overall Capacity for 3000 Students
- Air Conditioning rooms
- Dedicated RO purified water for each hostel
- Wi-Fi
- Common Gym
- Well-furnished Common Rooms with TV etc.
- 24 /7 Power Supply
- Laundry Support
- Play grounds for cricket, football, basketball, Snooker, Swimming Pool, TT, and other indoor games.
- Food Court
- The campus has Medical Center which Provide General Treatment & First Aid Services.
- 24X7 ambulance facility etc.



Dean, Student Welfare

CGU ensures the holistic well-being of its students. Besides its superb academic environment, the University has many opportunities for the promotion of overall development of its students, facilitating the social leadership, personal well-being, developing high moral values and sound life skills among students. The soul of university life is the fraternities on the campus – Dean, Student's Welfare that becomes a surrogate family for students, helping them grow and explore latent talents in all aspects.

They make continuous efforts to make the campus vibrant by student engagement and at the same time maintain overall discipline in campus and hostels. With the help of various domain heads, proctor and Dean Student welfare monitors and administrator the day to day activity of the DSW office in an efficient manner. Main Objectives of the Dean, Student's Welfare is to provide efficient, amicable quality and integral support and care to students. Student welfare comprises all the work that support and help to develop the well-being of the students. DSW coordinates different activities of Social Connect, Clubs, Campus, Discipline, Sports, Cultural Events and Counseling.



Student achievements -2023-24:

1. Miss Swagatika Mohanty, Civil Engineering (2013-17), has bagged the 15th rank in Odisha Civil Services Exam 2021 and is now a functional, respectable, responsible OAS.



2. Ms. Manisha Padhi has made us all proud once again after setting up a milestone. She has been appointed as the ADC to The Governor of Mizoram and becomes the first ever female to hold the position.



3. Founder & President, CGU-Odisha with Honble Education Minister Shri Dharmendra Pradhan at G20 Conclave, IMMT- Bhubaneswar



4. CGU stall at Skill Odisha Conclave, Kalinga Stadium



5. CGU stall at Skill Odisha Conclave, Kalinga Stadium



6. Mr. Abhilash Dash felicitated by Honble CM Odisha for WorldSkills Restaurant Services



7. Mr. Rajat Samantaray felicitated by Honble CM Odisha for WorldSkills Water Technology



8. Mr. Subrat Patel felicitated by Honble CM Odisha for WorldSkills Restaurant Services



9. Mr. Praveen Giri felicitated by Honble CM Odisha for WorldSkills Water Technology



10. Founder & President, CGU-Odisha is felicitated by Honble CM for WorldSkills Achievements



11. CGU competitors at WorldSkills Asia Abu Dhabi 2023.



12. Ms.Kamini at WorldSkills Asia Abu Dhabi 2023 in Welding Skill



13. Mr. Pratyush at WorldSkills Asia Abu Dhabi 2023 in Brick Laying Skill



14. Mr. Soumya Darshan Mahakul & Mr. Arnub at WorldSkills Asia Abu Dhabi 2023 in Mobile Robotics Skill



15. Our highly skilled contingent bagged a total of 55 medals including 19 Gold, 17 Silver, and 19 Bronze in the competition making a statement that showcases their expertise. The state-of-the-art facilities in our labs and the unending passion from the students have played a key role in bringing laurels to the institution. We congratulate all the winners for this inspiring feat!



16. A phenomenal achievement for Sandra Menon as she bag IIT Bombay's 'Research Internship Award'; offered by Industrial Research and Consultancy Centre.



17. Kamini Kumari Ram and Shriya Ghadei brought their A-game as they clinched the 2nd prize in the Poster Presentation Competition at the Institute of Engineers.



18. Winner at Nukkad Drama, NISER, 2023



19. Winner, XIMB, 2023



20. Second Prize in Street Play, Spring Fest, IIT Kharagpur



21. Winner, Nukkad Natak, IIIT, BBSR



22. Winner, Theatre Play, IIITBBSR



23. Winner, Theatre Play, IIT BBSR



24. Winner, Nukkad Natak, IITBBSR



25. Mr. Suman Kar (2019 Batch) received the award for University All-Rounder (Student of the Year) for the academic year 2022-23



26. Student of 1st year, Subhasmita Bhutia, MBA (22-24) got the 1st prize in 100 metres, 1st prize in 200 metres, 2nd prize in 400 metres, 1st prize in long jump in Annual sports, CGU - 2023.
27. Team INFERNO emerges as 'Champions' at HACKNITR 4.0 hackathon conducted by NIT Rourkela from Jan 28-29, 2023. Team Leader Shreyansh Kumar, and teammates Safia Aktar and Radhika Rani Panda have proved their mettle by winning the coveted competition.



28. Drama aficionados from Anubhuti Dramatics Club have bagged the '3rd Prize' at Spring Fest organized by IIT Kharagpur.



29. GATE-2023 qualifiers, who have made the department and the institution proud with their exceptional performance.



30. Our volunteers bagged the runners-up award at the Quiz competition organised as a part of the Inter-University Youth Leadership Program.



31. CGU celebrates the NCC Rank Distribution Ceremony 2023, recognizing the exceptional efforts of our cadets in character development, leadership, and sportsmanship.



32. Gyanapriya Pradhan from the CSE branch, Year 3rd, Semester 6th sem, for receiving a Summer Internship offer with a fellowship from NIT Tiruchirappalli!



33. Kirtilekha Bhesra from the CSE branch, Semester 7th, Batch 2020-2024, for securing a summer research internship at IISER Bhopal!



34. Swati Kumari of ECE(6th Sem) on securing a summer internship at Central Coalfield Ltd., Ranchi.



35. Barunaditya Mohanty, Rahul Mitra, Kishan Gupta and Abhishek Kumar Raj on getting selected for summer internship in DRDO. Shine on, CGUians!



36. C.V. Raman Global University's Google Developer Student Club was awarded in the TIER-1 category all over India. With over 1,900 college and university chapters across more than 100 countries, this is a huge honour for the club. Kudos to the entire team and Ankit Kumar, who is currently in the fourth year (Computer Science Engineering – Data Science) and is leading the team.



37. Girija Shankar Tripathy, M.Sc Physics, Batch of 2020, for clearing GATE with an AIR of 1190, JEST with AIR 290 and TIFR with AIR 211.



38. Odisha Technological Conclave, 2023, has awarded 4th year B.Tech (ECE) student Abhishek Kumar with the Visweswaraya Prativa Puraskar for exemplifying exceptional underlying skills and executing with innovation.



39. Ms. Smita Das, CSE 1st Year, as the 2nd Prize Winner in the Essay writing competition. She was awarded on the 4th of October and has added feathers of pride to the flight of our university!



40. Our NSS unit volunteers participated in a '3-Day University Level Volunteer Youth Leadership Camp' organised by NSS, organised at OUTR, from 4th-6th Nov, 2023. Our highly successful contingent ended the 3-Day event on a high note as they swept the prizes, winning 5 awards as the event concluded.



41. We feel accomplished with the CGU family marking another active year with the Annual Athletics Meet, 2023.



42. A '10-Hour Women Hackathon' was organised under Trithon Triplets 2k23, at Trident Academy of Technology, Bhubaneswar, where our marvelous trio, Safia Aktar, Anshu Kumari, and Radhika Rani Panda bagged the ultimate prize. Safia led the team under the mentorship of Ms. Anjana Mishra.



43. Our men's football team and Badminton doubles duo were adjudged 'Champions' as they bagged the 'Silicon Cup'; the ultimate prize of the Annual Inter College Sports Fest organised by Silicon Institute from 28th of November to 1st of December 2023.



44. Congratulate Shreya Choudhary, for winning Tata Imagination Challenge 2023. One among the top 13 all over India.



45. Ankit Ayushman Das, a Computer Science student at our College, clinched the title of IT Fashion Model 2023 at IT EXPO 2023, Janta Maidan.



46. Securing the top spot in the Anti-Ragging Day poster competition, organized by C. V. Raman Global University's Literary Club, Pooja Nayak marked a significant milestone.



47. 1st position in the Technical Presentation at TechWar 2023, organized by the Computer Science and Engineering (CSE) society of CV Raman Global University on October 7th, 2023.



48. B.Sc. (Hons.) Agriculture students for clinching the Special Recognition Award (Cash Prize: ₹10,000) in the Community Media Challenge!



49. He has been selected for the prestigious "Graduate Research Internship Program" at JNCASR, an autonomous institution under the Department of Science and Technology, Govt. of India.

Congratulations

Mr. Kabin Tiwari

Selected for the prestigious "Graduate Research Internship Program" (GRIP) at Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR)



50. Gyanapriya Pradhan from CSE Department (B.Tech), has bagged a very prestigious job offer from a US-based company in Singapore.

Congratulations

Mr. Gyanapriya Pradhan

For receiving a job offer from Exponent UP Inc., Singapore

Job Profile: Engineering Operations Consultant

Package: ₹37.7 LPA



NSS Activities

The NSS wing was introduced in the CGU with the aim of 'education through community service'. The Wing strives to sensitize the students on various social issues and involves itself in several community service activities including observation of important national/international days through conduct of different competitions, exhibitions, marathon race/rally, cultural programs. Awareness programs on Blood donation, Organ Donation, Literacy campaigns, and sensitization programmes on important social issues like female foeticide, gender discrimination, consumer protection, AIDS, drug addiction, and hazards of alcoholism and smoking etc. are some of the initiatives taken by the NSS wing.

NSS units have adopted villages/slums for undertaking different activities, programmes to exhort the young students to honour values in life. NSS camp would help the students to connect to the society.



(Nukkad Natak)



('Anti-Ragging Rally' by our NSS unit on 'Anti- Ragging Day' profoundly voiced its concerns to create awareness among the students about the problematic and harmful culture of ragging)



Blood Donation Camp



Eye check-up organised in Campus



Swachh Bharat Abhiyan



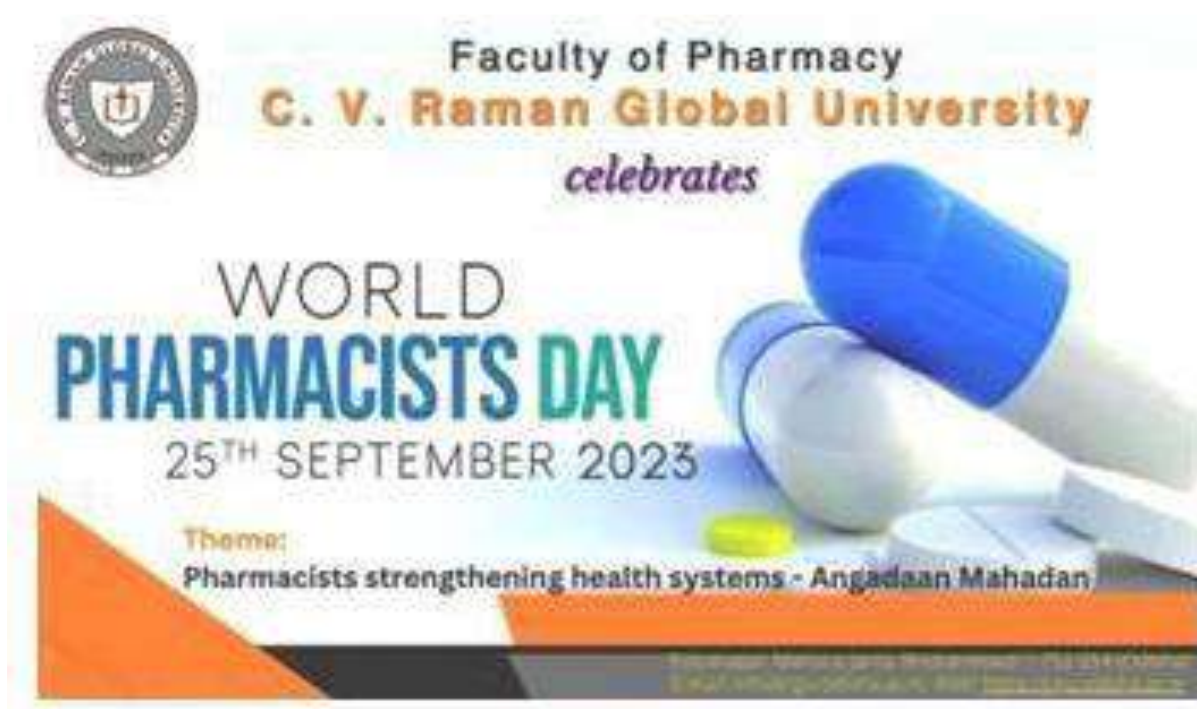
International Yoga Day



(Cyber Safety Camp)



(Pharmaco Vigilance Week)



(World Pharmacists Day)

Celegance – 2023-24

CGU every year organizes its Annual Fest – Celegance. Following events were conducted in year 2023 under this Student Fest:

Nukkad	Bollywood Deewane	DJ
Treasure Hunt	Bomb Squad	Roadies
Khatron ke Khiladi	Sumo Wrestling	Splitsvilla
Wah Wah Kya Baat Hai	Dancing Feet	
War of Djs	Any Body Can Dance	
War of Bands	Band	
Dead Pool	Song	
Skulls N Roses	Dance	
Sargam	Xumberance	



Sports– 2023-24

CGU every year organizes its Annual Sports. The campus provides necessary infrastructure and support facilities to students to carry out various sports and games activities and to maintain their physical fitness. Important infrastructural and support facilities provided to the students are indicated below;

- Stadium
- Tennis Court
- Basket Ball Court
- Badminton Court
- Volley Ball Court
- Gyms separately for boys and girls



(Annual Sports meet)



(Swimming Pool)

Student Clubs

At CGU we intend to expand and expose the knowledge base of the students beyond the curricular learning. Expanding the limits of the knowledge base is necessary to explore the new arenas of emerging technology. Students will be able to explore such knowledge only when they are exposed to the global trends in arts, science and technology.

OBJECTIVES

- To nurture the passions of interested students in their fields like photography design. Public speaking, cultural activities that make the society and youth responsible towards each other.
- The clubs aim at shaping the individuals to bring best out of them in all aspects and inculcating the values simultaneously to make their life focused and happier by providing them various positive engagement of all the students.
- All-round development of the students along with academic development.
- Clubs are formed and managed by the constitution made at inception of it. Clubs help students to engage and enhance cultural and traditional values.

There are two different modes through which the activities of students are managed; i.e. Clubs and Chapters. Clubs are formed and managed by the constitution made at inception of it. Clubs help students to engage and experiment with technology. Chapters are the bridge between industry or global academia and CGU student Community. These chapters help in knowledge dissemination within CGU Student community. The clubs are the breeding grounds for future leadership and innovations and start-ups. Hence these bodies are oriented to compete for excellence, that helps us to identify the student whom we can nurture to become a future leader.

Student's clubs and professional chapters in the university across various disciplines, which has been growing rapidly in numbers over years. Our students have been recognized in nation level several times in past three years. Every Department has a student council (Society) consisting of students representatives and staff representatives. It publishes annual magazine and also organizes seminars, technical exhibitions etc. Examples of some societies are: CVTRONICS- Dept. of Electronics and Communication Engg, SOME – Department of Mechanical Engineering, SEE – Dept. of Electrical Engg. etc.

Students Activity Clubs



NSS



Photography Club



Sports Club



Dance Club



NCC



Nukkad Club



Cyber Security & Coding Club



Yoga Club



Band Club



Literary Club



(Independence Day at Campus)



(Awareness Program conducted at Campus)



(Nukkad Drama at Campus)



'Ek Tareekh, Ek Ghanta, Ek Saath', a mega cleanliness drive under the 'SwachhataHi Seva 2023' campaign saw a massive and positive outcome.



'Each One, Plant One'. A noble message echoed around the campus as our students took part in a tree plantation drive to celebrate the onset of 'Azadi Ka Amrit Mahotsav'.

Social Responsibility

The CGU undertakes several extension activities relating to the areas of public health, protection of environment, plantation and other social outreach activities so as to improve the overall quality of life of its employees, students, faculties and other poor and marginalized sections of the local community. Such social outreach programmes/initiatives relate to the academic efforts undertaken by the CGU to familiarize learners with social responsibilities.





The students of BSc. Agriculture Hons. have been setting the benchmark high! This week, they actively participated in an awareness campaign on behalf of the entire university, to help the farmers of Kurunjipur Gram Panchayat with more information. They used dramas and mimes to effectively convey the message. Micro-irrigation, Farmers Producers Organisation and Pradhan Mantri Sinchai Yojana were widely discussed. They explained the effects of pesticides in monsoon and had a word on alternatives.

'Each One, Plant One'. A noble message echoed around the campus as our students took part in a tree plantation drive to celebrate the onset of 'Azadi Ka Amrit Mahotsav'. This special event conducted by our NSS Unit under the aegis of 'MeriLife: Massive Tree Plantation Drive 2023', AICTE and "Meri Maati Mera Desh Abhiyan", Ministry of Youth Affairs and Sports, Govt. of India, saw enthusiastic participation from the students.



The 'Anti-Ragging Rally' by our NSS unit on 'Anti-Ragging Day' profoundly voiced its concerns to create awareness among the students about the problematic and harmful culture of ragging.



CGU Odisha celebrate 'Yoga for Vasudhaiva Kutumbakam' this year.



The "Mega Blood Donation Camp" was successfully organised by NSS unit of C.V. Raman Global University on 22 Nov 2023. A record breaking 620 units of bloods were collected in this camp.





(National cGMP Day)



participating in NBEMS CPR Awareness Programme.



रामसे दुःखदायकान् प्राप्तिनामतिनाशनम्

**Pharma
ANVESHAN
2024**

**National
Pharmacy
Education
Day 2024.**



PHARMA anveshan 2024

**Leveraging Synergism: Industry- Academia Partnership
for Implementation of National Education Policy, 2020**

**CGU
ODISHA**

6th March, 2024



Organized by



**Faculty of Pharmacy
C.V. Raman
Global University**

Odisha Bhubaneswar India
Home Grown World Class



(Lecture on “Injectable nano drug delivery systems for the treatment of breast cancer”)

Office of Controller of Examinations

- Controller of Examinations (CoE), CGU is accountable for enabling smooth conduction of examinations and declaration of results as per the University Academic calendar. In the academic year 2023-24, the CoE has organized examinations for undergraduate and postgraduate program including Ph.D Program.
- Almost all the Mid-term and End-term examinations including Make-ups were conducted as per the Academic calendar of the University.
- Summer Quarter Examinations are conducted along with the Regular ETE of a semester only for the courses running in that semester.
- Examination are conducted for Undergraduate programs, Postgraduate programs including Ph.D Program.
- Mid Term Examinations (MTE) and End-Term Examinations (ETE) are conducted as per Annual Academic Calendar.
- For each exam, the department will prepare the schedule (date, time, venue, etc) for showing evaluated answer booklets to the students in accordance with the Academic calendar and notify the same to the students.
- The Exam Section will notify the results within 15 days of completion of grade moderation after due approval from the Dean of the Faculty. The result of a student will be withheld based on the instructions of the competent authority if he/she has not paid his/her dues (fee and library) or there is a case of disciplinary action pending against him/her.
- Objectives of the department:
 - a) Conduction of examination as per the annual schedule of examination.
 - b) Declaration of results as per the calendar.
- The Controller of Examinations was instrumental in organizing 4th Convocation of CGU on December 28, 2023



Alumni Relations

CGU has a committed functional Alumni Relations to ensure effective and pleasant synchronization with the alumnus of the University. The CGU Alumni Association (CAA) envisions to bridge the gap between the young technocrats at CGU and its distinguished Alumni. It seeks to provide a platform to all the Alumni to connect with one another and strengthen their relationships. CGU Alumni Association supports the organization's goals to strengthen the ties between alumni, the community, and the organization.

Any educational institution's reputation depends upon satisfactory results, academic achievements, co-curricular activities, and its alumni, who are among the main stakeholders of the institutions. They contribute immensely to the development of the University in multiple dimensions. The Alumni Association ensures effective and harmonious coordination with the alumni of the University. The endeavour is to promote alumni's social connection by contributing to alma mater, country, and society.

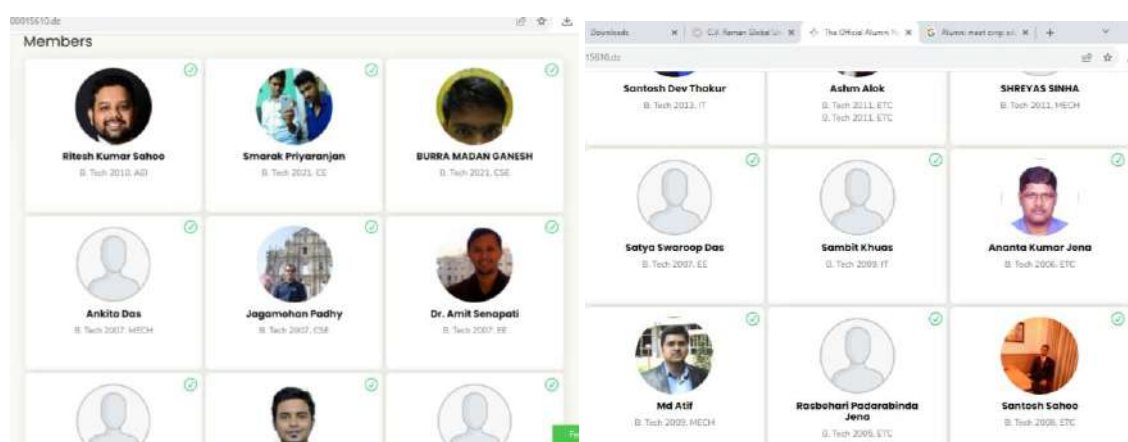
The objectives of the Alumni Relations are:

- I. To advance amiable relationship among alumni
- II. To assimilate alumni with the current students and foster student – alumni – teacher interaction
- III. To promote societal, connect of alumni by contribution to alma mater, society and country

The above-mentioned objectives are achieved through multi-dimensional methods. Alumni Relations Office has embraced and expedited enthusiastic initiatives which include promotion of events planned and directed by the alumni.

Some of the procedures include:

felicitating distinguished alumni; showcasing alumni activity and their contribution to the alma mater; through Thrive – The CGU Alumni Newsletter organizing alumni interaction with students and faculty; involvement of alumni in Board of Studies; inviting their valuable suggestions in elevating the curriculum to the standards of the industry and academia, maintaining alumni portal and alumni directory (<https://alumni.cvrgi.edu.in/page/About-Us.dz>).



CGU Alumni

International Education Cell

The International Education Cell of CGU is managed by a dynamic and devoted team of members who are familiar with the International Education System and are up-to-date about the global sociocultural outreach scenario. They look after the diverse modalities of international education pertaining to admission schemes, scholarships, student exchanges, dual degrees, short-term & long-term study abroad programmes and global collaborations. We aim to offer our students a diversity of experiences and give them exposure to global learning environments to enrich their academic journey. A global perspective on learning and exchange partnerships together help us create the perfect study-away experience for students.



International Collaborations and Partnerships:

- Kedge Business School, France
- Damascus University in the Syrian Arab Republic
- National Sun Yat-Sen University, Taiwan
- MingDao University, Changhua, Taiwan
- North Sumatra State Islamic University, Indonesia
- University of Guelph, Canada
- The University of Guelph, Canada
- Bule Hora University, Ethiopia
- The Malta College of Arts, Science and Technology, Malta
- National Research Nuclear University MEPhI, Russian Federation
- Cyprus Maritime Academy (CYMA)
- Outsource Institute, Australia



With international tie ups the International Education Cell (IEC) organizes and coordinates several activities and programmes to improve social and cultural skills of all stakeholders like International Culture Day, Cross Cultural Culinary workshops, Cultural Immersion Trips and Explore India Programmes. The IEC on periodic basis organizes presentations and interaction session of academic and industry partners with both students and faculty of CGU. Interaction of visiting guests with leadership team of CGU is arranged to further strengthen the ties at the highest level leading to MoU's or Agreements. Students and faculty of partner institutes willing for association with CGU are always welcome. CGU has Memorandum of

Understanding (MoU) signed with different national and international Universities and Institutes.

The institution has an active international student's cell to cater to the requirements of foreign students. The IEC facilitates both incoming and outgoing students, in enjoying life and work in other countries with different cultural environment and at the same time obtain cutting edge technical knowledge and experience.



(Unity Day Celebration Zimbabwe students)



(students received Degree Certificate)

Research

The Research Cell at CGU is established with the sole purpose of providing smooth & efficient Research Administration. At CGU research is inherent in all our academic endeavours and faculty members, PhD research scholars and UG/PG students are encouraged to be involved in extensive research in their respective domains. All this enables us to discover, create, disseminate, and preserve knowledge. For fostering Research and spreading awareness the University has established a dedicated entity Research Cell.

The primary purpose of it is Research Management and Promotion among different stakeholders as well as to the external world. It is our mission to pursue the highest standards of research excellence with the most talented academicians, researchers and with possible research outcomes for societal upliftment. With support from University Management & Leadership in the form of various research promotion schemes viz; Faculty Publication and Research Award Incentive to Excel as part of the Endowment Fund grant, the University is on the upward march towards quality research journey.

CGU believes in building an innovative, open and collaborative culture, and extensive research facilities involving hi-end equipment in our different research labs, are a testimony to it.

Seed Money to Faculty Members for Research:

Seed money to the faculty for research is either given in advance or reimbursed promptly. Since project allotment and first instalments together received by the Principal investigators in most of the projects providing seed money. However, for all sponsored workshops, seminars from funding agencies, seed money is provided by the university, because major amount is released only upon completion of such seminar/workshop and submission of utilization certificate along with audit report.

Grants for Research Projects Sanctioned by Government/Non-Government Sources:

S L. N o	Title	Sponsoring Organisations	Project Cost (Rs.)	Commence ment Date/ Duration	Name of Investigators	Present Status
1	Study of semiconductor-ferroelectric interface and its application for the development of NC-FET	UGC-DAE CSR	Rs 1,95,000	2022-23 one year duration	Dr.Mohua Chakraborty Dhrubojyoti Roy	Ongoing
2	preparation of iron alloy from red mud and its subsequent use in the preparation of aluminium iron composite	Technology Innovation in Exploration & Mining Foundation (TEXMiN) through the Mining Technology Innovation	Rs 23,20,000	2023-2025	Dr.Jayashree Mohanty as PI	Ongoing

		Hub, DST, Govt of India)				
3	National Education Policy 2020 (NEP-2020) implementation using AI-ML	ICSSR, Govt. of India	Rs 14,00,000	for 6 months (tentative) duration 2023	Dr.TusarKanti Dash,	completed
4	Next generation high energy dense, durable dual-ion micro-supercapattery with silicenenanosheet and bi-redox-active conductive metal-organic framework (c-MOF)	:SERB-SRG	Rs29,93,365	2023-2025	Dr.Soumen Giri	Ongoing
5	"Flexible Memristor-based Synapses: towards an adaptive, low-power Neuroprosthesis Device".	SERB CRG	56,77,603	2023-2026	Dr. DEBASHIS PANDA	Ongoing
6	Development of complete and indigenous technology for large-cooling-capacity single-stage G-M cycle based cryorefrigerator for application to conduction-cooled high-TC superconducting magnet and lab-scale liquid nitrogen generators	BARC, Bombay	Rs36,84,300	2020-2023	PI:Sachindra kr. Rout, Mechanical Engg. Dept. Co PI:Dr. TP Mohapatra, Mechanical	Ongoing
7	Synthesis of precipitated silica from waste beach sand tailings and its value addition in glass making industries	Ministry of Mines	Rs. 32,96,700 (Rs.26,37,000.00 (MoM) + Rs.6,59,700.00 Industry Partner)	2023-2025	Dr. Sunita Routray Dr. Ranjita Swain and Mr. Rudra Narayan Mohapatro	Ongoing
8	Design and fabrication of G-M cryocooler cold head	TriQual Cryogenics Pvt Ltd	Rs. 2,65,500	only for the duration of 3 months.	PI:Sachindra kr. Rout, Mechanical Engg. Dept. Co PI:NA	Ongoing
9	Development of SmI ₂ Catalysis	SERB TARE scheme	5 lakhs, in which our University will receive 7.5 lakh (2.5 lakh per Year) and mentor institute (Dr. Prasenjit Mal,	3 Years only.	Dr. SandeepanMaity, Assistant Professor, Department of Chemistry and his mentor Dr. Prasenjit Mal from NISER	Ongoing

			NISER) will receive 7.5 lakh			
10	Static Analysis of Composite Plates using NURBS Augmented Finite Element Method"	SERB-CRG	2121900	36months	Dr.Biraja Prasad Mishra, Assistant Professor, Department of Civil Engineering and Dr.M Abdul Akbar,NIT Calicut	ongoing
11	Development of bi-functional transition metal chalcogenides based photoelectrochemicalsupercapacitor for solar energy storage	CSIR-ASPIRE Women Scientist	Rs. 28 Lakhs	36 months	Dr. Mohua Chakraborty , Assistant Professor ,Department of Physics	ongoing
12	Language-independent Human Intent Recognition from Speech Signal for Telerobotic Applications in 6G	Accelerated Research on 6G Eco-System, Telecom Technology Development Fund (TTDF) scheme, Department of Telecommunication, Govt. of India	Rs 20 Lakh	2 Years	Principal Investigator - Dr. Tusar Kanti Dash, Department of ECE Co-Principal Investigator - Prof. Ganapati Panda, Department of ECE	ongoing

Number of IPR Published/Filed:

Sl. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)

1	202331017 696 A	Publish ed	RANJITA SWAIN, BABLI VARSHA , RUDRA NARAYAN MOHAPATRO, SUNITA ROUTRAY	SYNTHESIS AND CHARACTERI ZATION OF NANO- POROUS MATERIAL GENERTAED FROM WASTE DUMPED DURING MINING	3/16/2023	3/31/2023
2	202331017 705 A	Publish ed	RANJITA SWAIN, BABLI VARSHA , RUDRA NARAYAN MOHAPATRO, SUNITA ROUTRAY	DIFFERENTIA TING STUDIES ON DUMPED MINING WASTE USING A REDUCING AGENT	3/16/2023	3/31/2023
3	2023/0184 6	Publish ed	Prabina Pattanayak, Jyoti Mohanty, Ajay Kumar Yadav, Pritam Keshari Sahoo, Yogesh Tripathi, and Priyadarshi Kanungo	METHOD FOR PERFORMING EFFICIENT SCHEDULING FOR MULTI- INPUT MULTI- OUTPUT SYSTEM USING BINARY FLOWER POLLINATION ALGORITHM	15/2/2023	31/5/2023

4	385809-001	Publish ed	Dr.MANORAMA MOHAPATRO Mr.M.SABARI RAMACHANDRAN Dr. MADHUSUDAN MAITI Mr. JANMEJAYA SATHUA Dr. JYOTI RANJAN MOHANTY Dr. MANAS RANJAN MOHAPATRA Dr.M.MURUGANANDAM Dr. V.KANNAN	IOT BASED CYBER SECURITY DATA ANALYTIC	9/5/2023	17/8/2023
5	385809-00	Grante d	1.Dr.Manorama Mohapatro 2.M.SABARI RAMACHANDRAN3.Dr.MAD HUSUDAN MAITI 4.Mr.JANMEJAYA SATHUA 5.Dr.jyoti ranjanmohanty6.Dr.Manas ranjan mohapatra 7.Dr.M.Muruganandam 8.Dr.V.Kanan	IOT BASED CYBER SECURITY DATA ANALYTIC DEVICE	5/9/2023	8/17/2023
6	393778-001	Grante d	1.Mr:Punit Puri 2. Dr. V.Kannan 3.Dr .MANOJ AS 4.Dr.V.GNANAPRAKASH5.Mr s.M.Narmatha 6.Dr.C.Bibin 7.Dr. Madhusudan MAITI	INDUSTRIAL POLLUTION MEASUREME NT DEVICE	8/28/2023	10/30/2023
7	201831030996	Grante d	Jayashree mohanty	A METHOD FOR PRODUCTION OF TITANIUM METAL & ITS ALLOY FROM TITANIUM DIOXIDE	8/19/2018	11/28/2023

8	202331017 705	Grante d	1.RANJITA SWAIN 2.BABLI VARSHA 3.RUDRA NARAYAN MOHAPATRO , SUNITA ROUTRAY	DIFFERENTIA TING STUDIES ON DUMPED mining waste using a reducing agent	3/16/2023	1/30/2024
9	401737- 001	Grante d	1.Dr. Vandana Jha 2. Mrs. Priyanka Sen	SOLAR POWER CHARGING STATION FORVEHICLES	12/9/2023	2/15/2024
1 0	391589- 001	Grante d	Dr.Prabodh kumar sahoo,smita Rani Parija 3.Mrs. L. Thangapalani 4.Dr. M. Ramarao 5.Mrs. Bolla Charitha	NEBULIZER CHAMBER FOR ASTHMA PATIENTS	7/31/2023	2/16/2024
1 1	202231067 636	Grante d	Mrs. Sagarika Rath Dr. Taraprasad Mohapatra Mr. Sudhansu S. Mishra	HEAT EXCHANGER FOR DOMESTIC SOLAR HEATING SYSTEMS	11/24/202 2	3/4/2024
1 2	202131007 409	Grante d	Dr. Sushovan Basak,Soumyajit Koley ,MahadevShome	A METHOD OF JOINING COMPONENT S MADE OF UHSS BY A PLASMA ARC WELDING PROCESS	2/22/2021	3/11/2024

13	202331017696	Granted	Ranjita Swain, Sunita Routray, Rudra Narayan Mohapatro, Babli Varsha	SYNTHESIS AND CHARACTERIZATION OF NANO-POROUS MATERIAL GENERATED FROM WASTE DUMPED DURING MINING	3/16/2023	4/25/2024
14	418169-001	Granted	Dr. Ram Chandra Barik and his co-authors Dr. Debendra Muduli, Prof. (Dr.) Ganapati Panda, Dr. Rasmikanta Pati, Dr. Saroj Padhan, Dr. Manohar Mishra	IoT based Smart Mirror for Hirsutism Detection	5/27/2024	7/11/2024
15	422725-001	Granted	Mr. S. Sahoo, Dr. R. Pati, Dr. S. Padhan, Dr. S. Changder, Dr. Ram Chandra Barik	IoT Enabled Smart Baby Walker	7/9/2024	8/22/2024
20	375159-001	Granted	Mrs. Sagarika Rath Dr. Taraprasad Mohapatra Mr. Sudhansu S. Mishra	BRAZED HELICAL TUBE FOR MULTI FLUID HEAT EXCHANGER	06.12.2022	09.05.2023
23	544778	Granted	Dr. Arjya Utkalini Sahoo, Prof. Hifjur Raheman	ELECTRIC REAPER FOR CEREAL CROPS	3/11/2019	11.07.2024.
24	412051-001	Granted	B. B. Rath, R. Chaini, Sudhansu S. Mishra, Dr. Taraprasad Mohapatra	Four Stroke Petrol Engine with Vacuum Exhaust	3/30/2024	14.06.2024.
26	376903-001	Granted	Dr. Taraprasad Mohapatra Mr. Sudhansu Mishra Mr. Nimaya Ch. Giri	IOT BASED AGRICULTURE ROBOT FOR PESTICIDES SPRAYING	12/30/2022	20.03.2023

Award received by Faculty:

Sl. No.	Name of Faculty	Designation	Department	Award received
1	Prof. Ganapati Panda	Professor and Academic Advisor	Electronics & Communication Engineering	World's Best Computer Science Scientists in India by Microsoft Academic Graph at Research.com
				Receiving the R&D grant in Indian Council of Social Science Research to work on the topic of NEP 2020
2	Shri Sunil Kumar Sarangi	Academic Advisor	Mechanical Engineering	"DISTINGUISHED ALUMNUS AWARD 2022" in Academics and Research
				The Institute of Engineers felicitated Prof. Sunil Kumar Sarangi, the respected Academic Advisor at CGU, for his eminent contribution to Aerospace Engineering.
3	Dr Suryasikha Samal	Assistant Professor	Agriculture and Allied Sciences	Dr. (Mrs.) Jagadiswari Rao Woman Scientist Award-2022
4	Sabyasachi Parida	Associate Professor	Physics	Young Research Award 2022
5	Dr. Rahul Kumar	Assistant Professor	Mechanical Engineering	InSc Young Researcher Award 2022
6	Dr. Soumya Mishra	Assistant Professor	Electronics & Communication Engineering	Received an award from FICCI for excellence in creating employment opportunities in the distinguished presence of Dr. Bhagwat Karad, Hon'ble Minister of State for Finance and Government of India.
9	Dr. Tushar Kanti Dash	HOD, Assistant Professor	Electronics & Communication Engineering	Received two Funded Research & Development Projects from IIT Kharagpur AI4ICPS, I-Hub Foundation, DST, Ministry of Science and Technology, Government of India" and Indian Council of Social Science Research, Ministry of Education, Government of India
10	Dr. Ajay Kumar Yadav	Assistant Professor	Electronics & Communication Engineering	Received Funded Research & Development Project from Indian Council of Social Science Research, Ministry of Education, Government of India
11	Dr. Nandini Sahu	Assistant Professor	Agriculture & Allied Sciences	Receiving a funded research and development Project from IIT Kharagpur AI4ICPS, I-Hub Foundation, DST, Ministry of Science and Technology, Government of India"
12	Ms. Ayuta Mohanty	Assistant Professor	HSS	Odisha Women Leaders
				Dr. Tarita Shankar Award for Excellence
				Young Researcher Award 2023
				India's Leading Woman Young Researcher of the Year Award 2023

CGU Research – Publication:

Department	Publications
Mechanical	73
Chemical	13
ECE	31
CSE	118
Civil	17
Electrical	45
Mathematics	68
Chemistry	35
Physics	51
MBA	27
Agriculture	96
HSS	11

CGU- Entrepreneurship Development Cell

Entrepreneurship Cell, CGU, is a non-promote student-driven organization dedicated to igniting and promote the spirit of entrepreneurship and innovation. It's been elevated to the level of Directorate to make it more vibrant and inclusive in its functionality. With mind-numbing events, seminars, industrial visits and multitudinous national workshops, it is the perfect place to bring out the most incredible ideas.

We at Entrepreneurship Cell, believe in hard work, dedication, teamwork and unquenched thirst for success. E-Cell houses the incubation centre that nurtures new start-ups of CGU. We are keen to uphold budding entrepreneurs who seek to tackle the challenges of people through groundbreaking technological solutions; by implementing the assistance required with India's largest inbuilt technology business incubator, CGU AIC & TBI.

The main objective of the Incubation Centre is to promote innovation in various disciplines of Science, Engineering and other disciplines and assist innovators in converting their ideas into products, processes and services for the commercial exploitation and benefits of society. This is accomplished by facilitating incubation of new enterprises with innovative technologies and providing them physical, technical and networking supports and services.

The cell is managed and run by a team of faculty members and experts from different domains and areas. The team members from time to time not only impart their knowledge and expertise to the students intending to venture into entrepreneurship but also arrange and organize number of activities and events. During these events dignitaries and experts are invited who share their knowledge and expertise with the budding technopreneurs.

Activities:

Entrepreneurship Awareness Program (EAP):

EAP was conducted on 6th October at BOSCH Auditorium,CGU campus. This was supported by MSME GoI and DIC to encourage the students for business development activities and the supports which are there are backed by GoI to encourage such activities. The program witnessed 80 student participants and the key dignitaries were Ms.Nitisha Mann, Deputy Director, MSME, Shri Debraj Sahu, Assistant Manager, DIC, Khurda and an emerging entrepreneur Ms. Amrita Patra, Founder/CEO Bellizzi Foods Vault Agritech Pvt. Ltd.



Fig: Entrepreneurship Awareness Program supported by MSME and DIC, GoI

Startup Yatra:

This program is supported by startup odisha which aims to collect innovative ideas from students and award the best ones. In CGU campus this was conducted with the initiative of AIC CVRCEF on 14th April 2023, where six enthusiast student group pitched their business ideas. This camp witnessed a participation of 120+ students from different departments of CGU. The participants were felicitated with small trophies and certificates.



Fig: Conducting Startup Yatra supported by Startup Odisha

HNI Meetups



Fig: Hosting the African Delegates

Startup Monitoring and Evaluation:



Physical verification of Mo Ambulance

Employee Training and Capacity Building:



Team AIC CVRCEF and CVRCE TIF attended the program "Funds of Fund" at startup odisha O-Hub



Training of AIC CVRCEF and CVRCE TIF employees at "ISBACON 2023", O-Hub, Bhubaneswar on smooth functioning of incubators conducted by ISBA

CGU- Incubator (CGU-TBI & AIC)

University has created an eco-system for innovations including Incubation center and other initiatives for creation and transfer of knowledge. CGU has a large pool of talented students and faculty members.

The University has made its presence felt amongst the highest echelons of the who's who of the world of Technology and Engineering in such a manner that, Atal Innovation Mission, NITI Aayog, Government of India sanctioned instituting Atal Incubation Centre (AIC) at the university premises. DST, Government of India, acknowledging the University as Technology Business Incubators (TBI) for facilitating ideas to Start-up and to promote Entrepreneurship around the region.

AIC & TBI -CGU aims to support and encourage innovative technology based start-ups that have an application and/or impact in the core sectors of the economy. AIC & TBI-CGU provides the necessary guidance, networking, and tech-support, infrastructure, access to investor facilitating a host of other resources that may be required for the Startup to survive and scale.

The incubation center of CGU incubates Start Ups to encourage student to turn into entrepreneurs. In order to motivate students to come up with innovative ideas, proposals are invited all through the year. The incubation center regularly monitors the Start Ups.





Our Startups &
AICTE IDEA Labs



Name of the Start up	Nature of Start up	No. of Jobs Created
BONV TECHNOLOGY PVT. LTD	MICRO AVIATION	26
ORGANOPONIX PVT. LTD	AGRITECH	35
CLINOHEALTH INNOVATION PVT. LTD	HEALTHCARE	27
WHYKRO PVT. LTD	FASHION AND COSMETICS	28
PKARE INNOVATIONS PVT.LTD	MEDTECH	25
IUVA FOODS PVT.LTD	FOOD TECH	24
PRIMP TECHNOLOGIES PVT.LTD	FASHION	24
SYKEFIT PVT.LTD	TEXTILE AND FASHION	20
ZS EDUVENTURES PVT.LTD	HEALTHCARE	22
SCHOHN SMART SOLUTIONS PVT.LTD	HEALTHCARE	25
CMSFER ONLINE SERVICES PVT .LTD	MICRO AVIATION	24
PAST VENTURES PVT.LTD	FINTECH	24
EXPOSIT IMMERSIVE SOLUTIONS PVT.LTD	AR-VR	22
DARUBRAHMA AUTOMATION ROBOTICS PVT.LTD	MICROAVIATION	18
MULTIMETER LAB LEARNING PVT.LTD	EDTECH	19
TYPOF TECHNOLOGIES PVT.LTD	SAAS	18

ARDBERRY TECHNOLOGY PVT.LTD	KINETIC ARCHITECTURE	26
SHAILJA'S ORGANIC PRODUCTS PRIVATE LIMITED	FOOD TECH	33
RANJITA ANALYTICAL AND RESEARCH LABORATORY	FOOD TECH	28
WATER N SPICES FOODZ PVT.LTD	FOOD TECH	22
IGNITED PRODUCS LLP	SUSTAINABLE PRODUCTS	19
UDIYATE TECHNOLOGIES PVT.LTD	ROBOTICS	24
HIDS TECHNOLOGY PVT.LTD	AR-VR	26



The impact of the CGU TBI & AIC:

The Incubators at CGU have demonstrated a strong commitment to fostering entrepreneurship and innovation, as evidenced by its high acceptance rate of incubatees, a diverse range of funding resources accessed by startups, and a well-defined suite of incubation services. The report underscores the critical role of the incubator's dedicated team, showcasing their expertise and experience in driving success. This highlights the incubator's commitment to nurturing startups under the guidance of capable and experienced professionals.

The incubator's responsiveness to operational compliances, active network partnerships, and the quality of workshops and events have contributed to its effectiveness. Additionally, the presence of a vision and a well-outlined strategic plan, along with robust processes for incubatee selection and compliance monitoring, showcase our commitment to long-term sustainability.

The report also sheds light on important outcomes, such as the ratio of incubatee dropouts, average employee count per incubatee firm, external funds raised per startup, and annual revenue generated by incubated startups. Furthermore, it highlights the achievement of commercialized products/apps launched and patents filed/granted by incubatees, underscoring the incubator's role in driving innovation and economic growth.

- Number of Startups Supported: 200+
- Number of Startup Incubated: 37
- Number of mentors empanelled: 45+
- Number of networking event organized till date: 140+
- Number of workshops conducted till date: 35 +
- The quantum of funding opportunities provided by the incubator: INR 5 Cr
- Amount of funds disbursed to the startups till date: INR 2.06 Cr
- Number of jobs created: 700+
- Quantum of revenue generated through startups: INR 7 Cr

List of Partnerships formed:

Sl. No.	Name of the Venture/ Company	Type of Partner	Date of formal signing up of partnership	Partner Category (International /Govt/Private)	Description of the Support provided by the partner (Max 50 words)
1	FUNDVICE	CORPORATE PARTNER	21.06.2023	Private	Investment, Legal and Financial Due diligence
2	Dexter angles	Ecosystem Partner	20.07.2023	Private	Creating awareness, Developing business development model, Build Strategic Partnership, Gain different funding through

					options available.
3	Utkal Chamber of Commerce	Ecosystem Partner	24.02.2024	Private	Creating awareness, Developing business development model, Build Strategic Partnership, Gain different funding through options available.
4	SCOMM INDIA INNOVATION FOUNDATION	Ecosystem partner	16.01.2023	Private	Help incubators to get mentors/investors/ startup/ and interns from its network. Organise joint programs like meetups and workshops. Act as a bridge between the entrepreneur/ innovator and incubator.
5	OASME COUNCIL FOR ENGINEERING	Ecosystem partner	16.01.2023	Private	ACURATE shall coordinate with its MSME and startup members and ensure participation in joint meetups. Help incubators to get mentors/investor/ startup/ interns from its network. Organize joint programs like meetups and workshops. Act as a bridge between the entrepreneur/ innovator and incubator.
6	TIE GLOBAL, BHUBANESWAR	Ecosystem partner	16.01.2023	Private	Help incubators to get mentors/investor/ startup/ and interns from its network. Organize joint programs like meetups and workshops. Act as a bridge between the entrepreneur/ innovator and incubator.
7	TYPOF TECHNOLOGIES PRIVATE LIMITED	Ecosystem partner	16.01.2023	Private	Typof shall coordinate with its MSME and startup members and ensure participation in joint meetups. Help incubators to get mentors/investor/ startup/ and interns from its network. Organize joint programs like meetups and workshops. Act as a bridge between the entrepreneur/ innovator and incubator.
8	E CONCLAVE EDC INDIA	Outreach partner	-	Private	AIC CVRCEF publicizes about E Conclave in their network via social network and we will provide 2 mentors for online mentoring. AIC CVRCEF will be declared as the official Ecosystem partner of E Conclave.
9	EFUND TECHNICAL SERVICE PVT LTD	Investment Partner	20.02.2023	Private	Creating awareness, Developing business development model, Build Strategic Partnership, Gain different funding through options available.
10	NIMBUSPOST PVT LTD	Investment Partner	22.02.2023	Private	Creating awareness, Developing business development model, Build Strategic Partnership, Gain different funding through options available.
11	GREEN HONCHOS	Strategic Partner	10.02.2023	Private	Creating awareness, Developing business development model, Build Strategic Partnership, Gain different funding through options available.
12	FLUID VENTURE	Ecosystem Partner	02.02.2023	Private	Creating awareness, Developing business development model, Build Strategic Partnership, Gain different funding through options available.
13	72 DPI SKILLS	Ecosystem Partner	05.04.2023	Private	Creating awareness, Developing business development model, Build Strategic Partnership, Gain different funding through options available.
14	MATHETE ENTREPRENEURIAL SERVICES PVT. LTD	Knowledge partner	23.10.2022	Private	To train, educate, skill and develop an intrapreneurial mindset for making attendees employable. To assist aspirants through incubation by providing idea based guidance,

					business mentor stance-to-form a company, knowledge transfer on govt. based funding schemes, idea feasibility analysis and market research.
15	TRANSLINE PVT. LTD	Strategic Partner	31.03.2022	Private	Design coupled with technology innovation and commercialize through appropriate stake-holding and networking facilitated
16	ORGANOPONIX PVT. LTD.	Outreach partner	12.03.2022	Private	Awareness/ Promotion/ Outreach
17	DBS BANK INDIA LIMITES	Banking Partner	25.01.2022	Private	Banking & Investment
18	GANDHI INSTITUTE FOR TECHNOLOGY	Catchment Partner	21.01.2022	Private	Develop an ecosystem of entrepreneurship to mutually benefit the student entrepreneurs incubated under either party.
19	BML MUNJAL UNIVERSITY	Outreach partner	23.06.2022	Private	Catchment Development
20	BIGIN	Ecosystem Partner	17.06.2022	Private	Creating awareness, Developing business development model, Build Strategic Partnership, Gain different funding through options available.
21	GINSERV	Outreach partner	13.04.2022	Private	Awareness/ Promotion/ Outreach

Workshop Conducted by CGU TBI & AIC (2023-2024):

Sl. NO.	Event Name	Date	Details	Participants
01	Workshop On Entrepreneurship Skill, Attitude And Behaviour Development	04.02.2023	The workshop was designed to foster the growth of entrepreneurial qualities and provide participants with the necessary mindset and skills for success in the business world. Various interactive sessions were conducted, focusing on essential areas such as opportunity identification, risk management, innovative thinking, and networking.	40+
02	AR/VR Workshops	14.01.2023	The Atal Incubation Centre hosted a one-day immersive workshop on Augmented Reality (AR) and Virtual Reality (VR). Participants learned about AR/VR technologies, hardware/software ecosystems, creative process, Unity3D and Unreal Engine development, 3D modelling, user interface design, coding, hands-on project development, advanced interaction techniques, real-world data integration, and ethical considerations.	50 Students

			The workshop concluded with a showcase and networking event, where participants presented their projects and received certificates	
03	Stakeholder Odisha	16.01.2023	AIC CVRCEF celebrated its milestone event with partners from startups, enablers, catchments, and corporates. Top partners and startups were honored, and collaborations were forged to advance regional ecosystem growth. CGU Incubators signed MOUs with TIE Global, Bbsr, SCOMM India, ACCURATE, and Type of. High-Five Awards went to Whyko Pvt Ltd, Mo Ambulance, Organoponix, SykeFit Pvt Ltd, and BonV Aero for outstanding performance. CGU launched its "Incubator Student Execution Team " and startup policy for campus entrepreneurship. Stakeholders enjoyed a casual Tea & Talks session to conclude the day.	250+
04	Workshop On Design Thinking, Critical Thinking And Innovation Design	22.02.2023	The session aimed to cultivate a mindset that embraces innovation and encourages out-of-the-box thinking. Through collaborative exercises and case studies, participants were able to apply the principles of design thinking and critical thinking to real-world scenarios. The workshop successfully provided a platform for individuals to explore new perspectives, challenge assumptions, and generate innovative ideas.	40+
05	Student Innovation Programme.	04.01.2023 to 03.02.2023	The program made sure the innovators to practice and experience the nuances of problem identification, ideation, target market, competitor analysis, Value proposition and business model canvas to understand their innovation in terms of feasible business venture.	25+
06	Incubating Incubator	08.04.2023 to 02.06.2023	The programme's objective from MSME, GIZ and Villgro was to support incubators by developing a robust incubation and seed investment model through 1:1 mentoring and handholding and thus	20+

			help them become strong agents of change.	
07	High Networking Interaction with Dr. Shiv Kumar Angadi	10.03.2023	Invited Talk	40+
08	We On Weekends	08.04.2023	Connected Some investors to Startups.	30+
09	High Networking Interaction with Dr. Bouran Mureiden	18.08.2023 to 21.08.2023	Collaboration	45+
10	Aic- ISET Ideathon	18.03.2024	AIC in collaboration with its student executive team ISET organized this event aiming to foster innovation, collaboration, and creative problem-solving among participants	30+
11	G20 Conclave (Food as Sector of Prospect)	27.04.2024	Feeding the Future: Nourishing Innovation, Sustaining Growth - G20 Conclave 2023	200+
12	Session On Problem Solving And Ideation Workshop	10/07/2023	The workshop agenda will begin with an introduction to the importance of problem solving and ideation in today's fast-paced and dynamic world. It will then proceed with various interactive sessions and activities, including brainstorming exercises, case studies, and group discussions, to explore different problem-solving techniques and stimulate creative thinking.	400+
13	Fireside Chat With Nagaraja Prakasham	02.02.2024	At the Utkal Startup Konfluence event, startups showcased their products in front of Padmashri award winner Mr. Mohandas Pai. The event featured a range of innovative products and services from various sectors. Entrepreneurs presented their ideas, seeking feedback and investment opportunities. The event aimed to foster networking and collaboration among startups, investors, and industry experts. Overall, it was a successful event that provided valuable exposure and support to budding entrepreneurs in the region.	350+

Other Major Activities:

Startup Charcha (Edition 1)

AIC CVRCEF, CVRCE TIF and ISET come together to conduct a series of Talk shows to inspire entrepreneurs and aspiring to be entrepreneurs. This Startup Charcha aims to portray the journey of an entrepreneur and key to achieve success and overcome the anticipated challenges. The "Startup Charcha " will give an opportunity to directly connect with successful startups and discuss with them. In Startup Charcha (Edition 1) held on 14th Oct 23, Mr. Shibasish Panda, Founder and CEO of Pkare Innovation Pvt. Ltd. joined us and shared his insights for the dynamic group of audiences from CGU. Pkare is coming under the health care segment who is targeting a wearable segment. The participants enjoyed interacting with the speaker and got their questions/confusion clarified.



Pre-incubation Program:

To empower tomorrow's leaders AIC CVRCEF and CVRCE TIF had launched their free of cost pre-incubation programs. The students ideator and faculties doing research and innovations are oriented for entrepreneurship and economic aspects while solving the real time issues. Under this a series of brainstorming sessions happen with mentors, subject matter experts, policy makers and the marketing monks.



Fig: Session on What is innovation



Fig: Faculty and Startup Interaction



Fig: Interaction with Board Members of AIC CVRCEF and CVRCE TIF

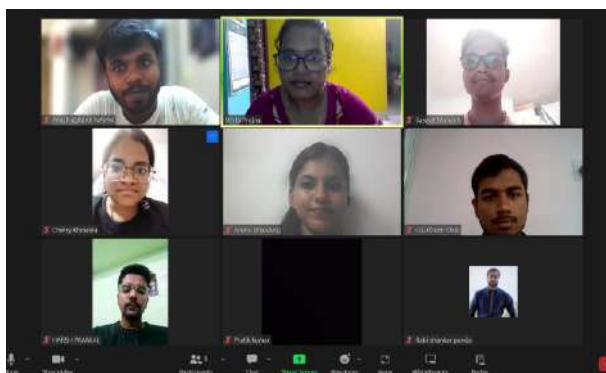


Fig: Celebration of Innovation Day, discussion on inculcating innovation culture in university



Fig: Student Orientation Workshops on role of Business Incubators



Fig: Exposure visit for student enthusiasts working in AR/VR projects to the conclave "Tech Aura" at STPI, Bhubaneswar

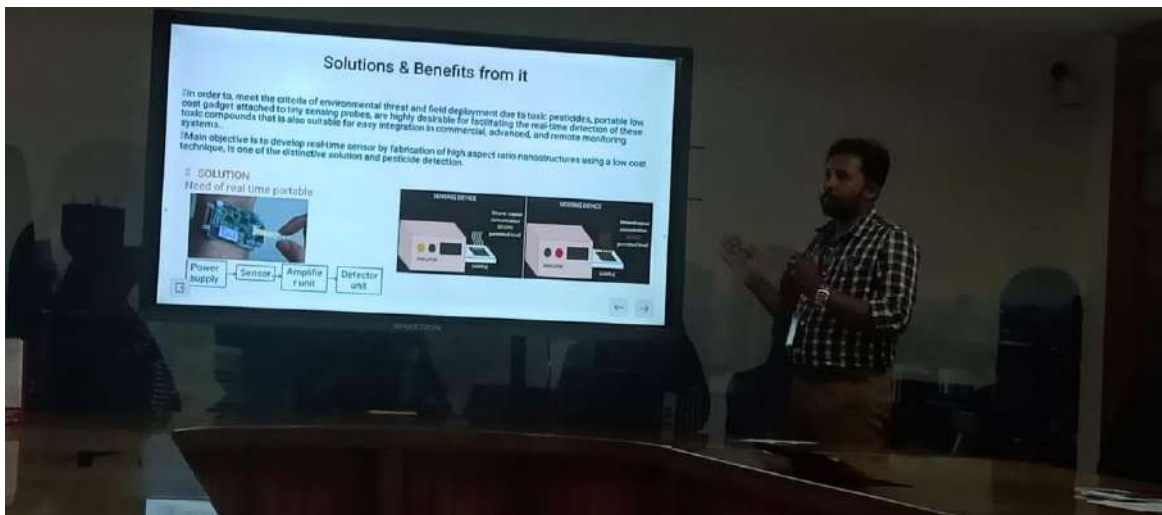


Fig: Faculty Idea pitching

Training & Placement

The Training & Placements, CGU facilitates the process career counselling and placement of students passing out from the Institute besides collaborating with leading organizations and institutes in setting up of internship and training program of students. The cell liaises with various industrial establishments, corporate houses etc. which conduct campus interviews and select graduate and post-graduate students from all disciplines.

The T & P Cell continues to organise extensive training activities for the final year students to make them placement ready by running Campus Recruitment Training (CRT) mainly focusing on Career planning, Personality Development, Attitude building, and Stress handling. To guide students towards rewarding career, the directorate also conducts series of activities throughout the year including Industry-Academia Interaction, Guest lectures, and Campus placement activities. Number of programs like Group Discussions, Mock Interviews, and Aptitude test etc. were conducted which help in employability enhancement of the students.

The cell achieved extraordinary campus placement record with its students being selected in record numbers of placements with excellent packages for the year 2022, 2023 & 2024.

Campus selection 20233-24:

Year	2022	2023	2024
No of Companies Visited	124	114	108 (Cont.)
No of offers made	1164	1060	856
Max Salary in LPA	15	45	36

Industry leaders appreciated the efforts made by placement cell of CGU and also praised the quality and diversity of trained readily available fresh talent. The event was a great success and big boost towards Industry Academia connect in CGU.

During the year 20233-244, the Department has successfully networked with reputed organizations to arrange job opportunities for students of the University. The Placement officers visited different departments and interacted with students on career choices and employability issues. Besides, The Department conducted free Employability Assessment Test for the students. Members of the placement team have visited different organizations across the country in the efforts to brand building, networking and inviting to CGU.

Our Recruiters – To name a few..



Internal Quality Assurance Cell (IQAC)

The internal quality assurance mechanism of any institution is called as “**Internal Quality Assurance Cell (IQAC)**” is meant for planning, guiding and monitoring Quality Assurance (QA) and Quality Enhancement (QE) activities of the same. The IQAC has the potential to become a vehicle for ushering in quality by working out intervention strategies to remove deficiencies and enhance quality.

Strategic Roadmap:

Annual measurable milestones were developed based on NAAC and NIRF parameters. These milestones formed the basis of our performance appraisal. All departments aligned their goals for achieving our strategic roadmap milestones.

The cell aims to develop and implement consistent quality frameworks and policies across the University for all stakeholders in line with the vision of the University and policies designed by regulators. The head of the cell is consecrated to deliver excellence in all areas of operation of university. Q&C consistently works to develop conscious systems and enhance the processes for the overall performance improvement. To ensure quality culture as the prime concern for the university, QC ensures it through institutionalizing and internalizing initiatives taken such as participation in Times Higher Education (THE) and QS. Brand sustainability is assured at CGU through regular participation in rankings organized by renowned media houses like The Outlook ICARE, Careers360, India Today, Competition Success Review, Education World and so on and has improved its rankings under various category compared to previous years.

Vision of Quality and Compliance

- To develop a system for conscious, consistent, and catalytic action to improve the academic and administrative performance of the institution.
- To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.
- Ensure clarity and focus on institutional functioning towards quality enhancement
- Dissemination of information on various quality parameters to all stakeholders

Objective of Quality and Compliance

- Development and application of quality benchmarks/parameters for the various academic and administrative activities of the University.
- Documentation of the various Programmes/activities of the University, leading to quality improvement.
- Dissemination of information on the various quality parameters to all stakeholders.
- Acting as a nodal agency of the University for coordinating quality-related activities, including adoption and dissemination of good practices.

Outcome Based Education in both Engineering and Non-Engineering Programs:

As per NAAC guidelines introduced requirements for measuring program outcomes for non-engineering programs besides what was traditionally required for engineering programs, a massive training initiative was required. Each department nominated OBE coordinators to be trained as mentors for developing program outcome articulation and attainment matrices. Each faculty developed course outcomes mapping to their program's outcomes and lesson outcomes were mapped to course outcomes. Hands on workshops were conducted by CGU for writing course plans and selecting pedagogic methods with appropriate assessment techniques. By introducing program outcome attainment goals as a department's Key Performance Indicator, leadership can review and suggest improvement during Monthly Meetings for reporting to Academic Council.

Program Outcomes Attainment Review:

All programs at CGU have adopted NAAC guidelines for learning outcomes, including engineering and non-engineering programs. These learning outcomes are called Program Outcomes and Program Specific Outcomes and are based on Graduate Attributes. Program Outcomes attainment are measured by each department using a common standard workbook to capture students course outcomes attainment versus a threshold set by their course teacher. Since Program Outcome attainment percentage is a key performance indicator (KPI) for academics, it is reviewed by Deans and Directors every semester and at the end of an academic year. Improvement actions at the course level are monitored at various levels beginning with a Department's OBE coordinator. Faculty Deans and HoDs then review their respective program attainment performance with the Vice Chancellor along with IQAC.

Teaching Learning Process Review - Student Satisfaction Survey Analysis:

Survey responses from students about their satisfaction with teaching learning process is conducted after 2 weeks of classes beginning and two weeks before classes end every semester. These responses are analyzed for common strengths and weaknesses across all programs to identify initiatives to improve satisfaction levels. Individual departments analyse their student responses with each class committee to identify specific actions that can be implemented during the semester and before a new semester begins. This cycle is repeated every semester to strengthen our teaching learning processes by introducing new pedagogic methods and assessment techniques.

Number of quality initiatives by IQAC for promoting quality culture:

Name of quality initiative by IQAC	Date of conducting activity	Number of participants
Outcome Based Education and NBA Accreditation	18.09.2023	78
AICTE-Webinar on Quality Initiatives	06.01.2024	92
IQAC orientation for New Faculty Members	17.02.2024	88

Central Library

About the Central Library:

The Central Library of CGU with the seating capacity of 300. The Central Library has various sections like Circulation Desk, Technical Section, Reference Section, Book stack area-Engineering, Books stack area-Non engineering, Periodical section, and discussion rooms.

Further, the Library has Digital library, Back volumes section, Project reports section, one Thesis Section, Research Wing, one Competitive Exam Section, and an Open Reading Hall. Apart from the Central Library, every faculty of the University has its own department Library with a seating capacity of 50.



Library Collection

The MUJ Libraries have a collection of 66371 books with 13899 titles on various subjects and over 1500 reference books covering atlases, biographies, dictionaries, directories, encyclopedias, handbooks, manuals, yearbooks, as well as other reference books. It subscribes to about online international and national journals and holds over 276 project reports and PhD Theses.

Library Services

The Central library is kept open from 7.30 a.m. to 8.30p.m on weekdays and 7.30 a.m. to 3.30p.m. on Sundays, and other holidays.

The UG and PG Students can borrow 4 books for a period of 15 days. The Research Scholars and faculty can borrow 8 books for a period of 3 months.

Library e-Resources, Remote Access, and Mobile App:

The Digital Library has 27 computers and subscribed to E-Resources for the year 2023-24, include IEEE e-journals, manuals, reports, standards, and other information from IEL Online, The Digital library holds about 2300 CDs and DVDs. The CGU Libraries have provided access its subscribed contents through remote, and mobile technology to the end users.

Institutional Repository:

The Central Library has established an Institutional Repository using Dspace: A Digital Library Software. Faculty Publication, Institution Publications, Conference Proceedings, Lecture Notes, Video Lectures, Course Syllabus, Previous year question papers, Project Reports, Theses, etc. are made available in the Institutional Repository.

Academic Integrity

The Dean Research extends research support to the researchers and faculty by providing; Turnitin: A Plagiarism checking software. The Central Library has received a username for the Turnitin software from the Dean, Research and provides plagiarism checking services online to students, faculty members, and research scholars. The Central Library has checked 2500 documents using Turnitin: Plagiarism checking software

Institutional Member

The Central Library is a Member of DELNET, INFLIBNET, e-ShodhSindhu, ShodhGanga, Shodh Gangotri, IRINS, Current Science, Indian Academy of Social Sciences, British Council Library, and National Digital Library of India, and establishing communication facilities to improve capability in information transfer and access, that provide support to scholarship, learning, research, and academic pursuit through cooperation and involvement of agencies concerned.

NPTEL Online Courses

The students and Faculty Members have enrolled in the NPTEL online courses.

Library Orientation Programme

The main objective of user orientation is to introduce library facilities, resources, services, and library techniques to the users. The orientation program makes the users familiarize themselves with resources and increases the use of the library.

IT Infrastructure

CGU boasts of state-of-the-art IT Infrastructure, offering world class IT service to university core functions, Deans, students, and business users. CGU IT is accountable for enabling best in class application, tools & technology platform to sustain with HES policies, business vision and accreditation framework. CGU IT backbone built In-house Data Centre that equipped with robust multi-level Internet link with strong ISP backup, World class core CISCO Network backbone product (Firewall, routers, Switch), High End threat management, Anti-Virus and end point security devices digital footprint through Business ERP, Student life cycle Web portal.

CGU IT Infrastructure covering all aspects of the managing and processing of information systems also having IT enabled E-Library High processing and Multi-tasking LAB, including PARAM Sevak. It is based on In-house as well as outsourced support, through MaGE, DVoIS and Dimension Data, Velocis.

Key Initiatives by department

- Easy, simple and Secure IT Services from HOME - through VPN for business users
- Resilience building through Multiple Internet Network gateway
- online Education tools & Technology enhancement- through MS TEAM
- Enabling high Computing MSRC -LAB and DATA Science Lab
- Collaborative messaging services in T& P- Setup Video Conferencing facility
- 70 Printers and Reprographics
- 160 CISCO Network switches
- 1320 Intelligent Wi-Fi Cisco Access Points
- 3 Video Conferencing systems including Cisco
- Virtual Classroom Based on Cisco SX80 Telepresence System.



III

Academic Faculties/ Departments

Faculty of Engineering and Technology

- Department of Chemical Engineering
- Department of Civil Engineering
- Department of Computer Science & Engineering
- Department of Electrical Engineering
- Department of Electronics & Communication Engineering
- Department of Marine Engineering
- Department of Mechanical Engineering



Department of Chemical Engineering:

The Department has come to inception in the year 2006. The Department offers B. Tech, M. Tech and Ph. D in Chemical Engineering. The courses offer insight into the chemical process with good management practices. We are committed to produce individuals who have great potential and are really promising. The department consists of well-equipped laboratories along with highly qualified faculties with different specialization. To facilitate the academic interest of the students and to keep them on the cutting edge of recent technology, the department conducts industry visits, conferences, expert talks and advance training programs on various thrust areas. The Department also provides special training for students such as CHEMCAD, MATLAB and Process Automation to make them fit for industry. The department has the FACT centre of excellence which provides extra knowledge to the students.

Unique Selling Point of the Department:

- Process automation Centre (F.A.C.T)
- Research and project
- Society of Chemical Engineers (SoChE)
- Regional Students Chapter of IChE

Laboratories of Department:

- | | |
|--|--|
| • Mechanical Operation Laboratory | • Mass transfer Laboratory |
| • Fluid Flow and Flow Measurement Laboratory | • Heat Transfer Laboratory |
| • Chemical Process Technology Laboratory | • Chemical Reaction Engineering Laboratory |
| • Fuel Combustion Technology Laboratory | • Process Control Laboratory |
| | • Computer Aided Design Laboratory |
| | • Water Technology Laboratory |



Department of Civil Engineering

The Department has been a successful combination of academic and industrial expertise. Young potential talents in structural, water resources, transportation and environmental engineering inspire and guide students in diverse programs. Seven well equipped labs are utilized for research and projects, enabling the department to publish many articles in indexed national and international journals. The department is constantly adding value to the curriculum by establishing plumbing centres of excellence, teaching Revit, AutoCAD, STAAD Pro, RS & GIS, etc. Since November 2018, the department has had a student branch of India Chapter of American Concrete Institute (IC-ACI) serving eastern India.

Research Areas of the Department includes:

- Concrete with different reinforcement materials
- Design of structures using STAAD Pro
- Industrial wastewater treatment by adsorption and biological methods
- Turbulent flow around submerged vertical cylinders
- Atterburg's limits of Bentonite clay

Academic Programs:

- B.Tech in Civil Engineering
- M.Tech (Research) in Civil Engineering
- Ph.D. in Civil Engineering

Laboratories:

- Concrete Laboratory
- Geotechnical Laboratory
- Transportation Laboratory
- Survey Laboratory
- Fluid Mechanics and Hydraulic Machines Laboratory
- Material Testing Laboratory
- STAAD pro and AutoCAD Laboratory



Department of Computer Science Engineering:

The Department was founded in 1997 and has earned grade “A” from NAAC. The Department is recognized by NBA Tier -1 and ISO for its high-quality education. It has a strong history of placing Bachelor and Masters Degree students in international software companies and top US universities. Work-integrated learning, learning-based work, problem solving and cross-cultural abilities make the CSE Department renowned. In addition, the Department works in research fields such as Neuro Robotics, Machine Learning, Cloud Computing, Computer vision, WSN, MANET, IoT, SDN, Big Data Analytics, Image Processing, Network Security, Pattern Reorganisation, Software Testing and Software Engineering.

The department has IoT, Cyber Security, AI & ML and AR & VR Centre of Excellence. The department plans to set up a “Centre of Excellence” in Print Media Technology, IT Network and Cabling and IT Network Administration to make the students industry ready. University has recently signed MoU with IBM India, NASSCOM India, Marcraft USA, Calligotech India, FANUC India and Amazon Web Services. However, our faculty are affiliated with Bosch-Rexroth and Robotics Centre of Excellence. The department assures academic standards by concentrating on Outcome Based Education (OBE), creative teaching, industry-academic interaction and live projects. Students can face life’s challenges with our holistic, student-centred teaching – learning method and it also encourages them to indulge in extracurricular activities to shape themselves as leaders.

Academic Programs:

- B.Tech in Computer Science & Engineering
- B.Tech in Computer Sc. & IT
- B.Tech in Computer Sc. Engineering (AI & Machine Learning)
- B.Tech in Computer Sc. Engineering (Data Science)
- B.Tech in Computer Sc. & System Engineering
- B.Tech in Computer Engineering (Software Engineering)
- B.Tech in Computer Engineering
- B.Tech in Computer Science and Engineering (IOT and Cyber Security Including Block Chain Technology)
- B.Tech in Robotics and Artificial Intelligence
- B.Tech in Artificial Intelligence and Data Science

- B.Tech in Cloud Computing
- B.Tech in Web Technology
- M.Tech. in Computer Science & Engineering
- M.Tech. (Research) in Computer Science & Engineering
- Ph.D. in Computer Science & Engineering

Laboratories:

- Operating System Laboratory
- Database Engineering Laboratory
- Programming Laboratory
- Network Laboratory
- Computer Organization Laboratory
- IoT & SCADA Laboratory
- Supercomputing (AI&ML) Laboratory
- Research Laboratory
- Cyber Security Laboratory
- Cloud Computing Lab

Department of Electrical Engineering:

The Department was founded in 2002 and is dedicated to train engineers to fulfill industrial demands. The department's curriculum emphasizes basic principles, encouraging students to solve engineering issues autonomously and using multidisciplinary technologies in diverse sectors of Electrical Engineering. The department offers advanced courses in Smart Grids, Electric Drives and Traction, Renewable Energy, Electric vehicles, Artificial Intelligence & IOTs. It has the newest simulation tools including MATLAB, SIMULINK, PSCAD, EMTDC, ETAP, PSPICE and others to serve numerous specialties and facilities for measurement, characterization and synthesis of experimental and theoretical findings as well as research. For industry-institute engagement, the department often visits OPTCL, SLDC, OHPC, NTPC and others. It provides a welcoming environment and abundant research resources for teachers and students to conduct high-quality research and gain national and worldwide recognition. Our department hosts IEEE, Springer and other international and national conferences.

Academic Programs:

- B. Tech in Electrical Engineering
- B. Tech in Electrical and Electronics Engineering
- M. Tech in Electrical Engineering with specialization in Power System Engineering
- M. Tech in Mechatronics
- M. Tech (Research) in Electrical Engineering
- Ph.D in Electrical Engineering

Laboratories:

- Basic Electrical Engineering Laboratory
- Network & Devices Laboratory
- Electrical Machine-I Laboratory
- Electrical Machine-II Laboratory
- Power Electronics Laboratory
- Electric Drives Laboratory
- Renewable Energy Sources Laboratory
- Electrical Measurement Laboratory
- Power System Protection Laboratory
- Control System Laboratory
- Simulation Laboratory
- Schneider Electric Laboratory
- SEW Eurodrive Laboratory
- Quanser Laboratory



Department of Electronics & Communication Engineering:

Communication Engineering is defined as the scientific and technologies principles of this field. The capacity to communicate information quickly, precisely and effectively has always been a driving force behind human creativity, from ancient humans using signal flies to today's high-powered executives with smartphones, communication has always been essential for survival and achievement. Telecom has continually progressed with human expansion, becoming more ubiquitous and efficient as contemporary civilization develops.

The department of Electronics and Communication Engineering (ECE) was founded in 1997 to produce world-class Engineers and Researchers in Communication Engineering. Electronics System designing, Embedded and IoT, Signal Processing, Image Processing and Robotics. The department's best practices in teaching, learning, industry-relevant courses, R&D, and student placement have improved over the last two decades.

Academic Programs:

- B. Tech in Electronics and Communication Engineering
- B. Tech in Electronics and Computer Science Engineering
- M. Tech in Electronics and Communication Engineering with specialization in Signal Processing and Communication
- M. Tech (Research) in Electronics and Communication Engineering
- Ph.D in Electronics and Communication Engineering

Laboratories:

- Analog Electronics Circuit Laboratory
- Digital Electronics Circuit Laboratory
- MATLAB Fundamental and Programming Technique Laboratory
- Microprocessor & Microcontroller Laboratory
- Analog Communication Laboratory
- Digital Communication Laboratory
- VLSI Design Laboratory
- Digital Signal Processing Laboratory
- RF and Microwave Engineering Laboratory
- Digital Image Processing Laboratory
- Information Theory and Coding Laboratory
- Advanced Communication (Optical and Satellite) Laboratory
- Radar and TV Engineering Laboratory
- Design and Simulation Laboratory
- Image Analysis and Computer Vision Laboratory (R&D)
- Soft Computing Laboratory (R&D)
- Space Systems Laboratory

Department of Marine Engineering:

The Department of Marine Engineering was established in 2003. The department offers undergraduate and graduate students cutting edge technical education. It collaborates consistently with technical institutes, universities and industries of national and international renown. To keep our students aware of the most recent technological advancements, the department provides modern laboratories and equipment. Faculty members, along with students and research scientists, resolved to boost the university's R&D activities.

Academic Programs:

- B. Tech in Marine Engineering
- 1 Year Graduate Marine Engineering (GME)
- Ph.D in Marine Engineering

- **STCW Courses:**

Basic STCW & Modular Courses:

- Personal Safety and Social Responsibilities (PSSR)
- Elementary First Aid (EFA)
- Personal Survival Techniques (PST)
- Fire Fighting and Fire Preservation (FFFP)
- Basic Safety Training (PSSR+EFA+PST+FFFP)
- Security Training for Seafarers with Designated Security Duties
- Basic Training for OIL and Chemical Tanker Cargo Operation (OCTO)

Advanced STCW & Modular Courses:

- Ship Security Officer (SSO)
- Medical First Aid (MFA)
- Advance Fire Fighting (AFF)
- Proficiency in Survival Craft and Rescue Boat (PSCRB)
- Refresher Training for Proficiency in MFA
- Refresher Training for Proficiency in AFF
- Refresher Training for Proficiency in PSCRB

Laboratories:

- Marine Workshop
- OOW Simulator
- GMDSS Simulator
 - Auxiliary Boiler
 - Marine Hostel
- Swimming Pool
- Fire Fighting Laboratory
- Ship-in-Campus



Department of Mechanical Engineering:

In 1997, the Department of Mechanical Engineering was established. The objective of the department is to be regarded as one of the best Departments for excellent teaching and research relevant to Mechanical Engineering. The Department consults for DST, BRNS, NALCO and other funding agencies on several R&D initiatives. The department offers B.Tech, M.Tech and PhD programs and a great research environment. The department encompasses HVAC, Welding, TTL, TRTC and Bosch Centres of Excellence. The department researches various areas like Heat Exchanger analysis, phase change material and solar thermal applications, welding technology, mineral processing and materials characterization, refrigeration and air condition, cryogenics, material science, product development, automotive design, micro-machining & cryogenic machining, Rotor dynamics, mechatronics system, Advance Machining process, smart materials, vibration, fluid mechanics & CFD applications in single and multiphase flows, sustainable machining & machining tribology, composite materials, bio-fuel and optimization.

Academic Programs:

- B. Tech in Mechanical Engineering
- M. Tech in Mechanical Engineering
- M. Tech in Thermal Engineering
- M. Tech in Production Engineering
- M. Tech (Research) in Mechanical Engineering
- Ph.D in Mechanical Engineering

Laboratories:

- Central Workshop
- Computer Centre
- Mechanical Measurement Laboratory
- Refrigeration & Air-conditioning Laboratory
- Heat Transfer Lab
- Production & Dynamics Laboratory
- Fluid Machine & Fluid Power Laboratory
- Internal Combustion Engine Laboratory
- Basic Manufacturing Laboratory
- Fluid Mechanics and Mechanism Laboratory
- Basic Mechanical Engineering Laboratory
- Material Science Laboratory
- Heating, Ventilation and Air Conditioning (HVAC) Laboratory
- Tata Technology Laboratory
- Welding Laboratory
- Cryogenics Laboratory

Faculty of Physical and Mathematical Science

- Department of Chemistry
- Department of Physics
- Department of Mathematics
- Department of Life Science



Department of Chemistry:

The Department of Chemistry was established in 1997. The department teaches Engineering Chemistry, Environmental Science and Technology and Material Science to Undergraduates and Industrial Chemistry to all Engineering students. The department has been conducting laboratory classes for engineering chemistry and industrial chemistry. In addition to teaching, the department engages in several R&D initiatives. The PG course in Chemistry began in 2018. The UG and PG students work on a variety of minor and major projects during their studies. The department offers programs in research areas such as catalysis, environmental reactions, water splitting, medicinal chemistry, inorganic complex synthesis and application, electrochemical applications and materials synthesis and characterization.

Academic Programs:

- M.Sc. in Chemistry
- Ph.D in Chemistry

Laboratories:

- Inorganic Chemistry Laboratory

- Organic Chemistry Laboratory
- Food Testing (Food, Soil & Water) Laboratory
- Engineering Chemistry Laboratory
- Industrial Chemistry Laboratory
- Analytical Chemistry Laboratory

Department of Physics:

The Department of Chemistry was established in 1997. It manages introductory courses for undergraduates in Engineering Physics. Since 2016, the department has provided postgraduate courses in the field of Applied Physics with three new concentration available for MSc. Such as Fibre Optics and Optoelectronics, Plasma Physics and Materials Science, Physics, Nanotechnology, Thin Film Technology, Polymer Composites and Computational Quantum Physics. In the last 3years, it has published around fifty publications

Academic Programs:

- M.Sc. in Physics
- Ph.D in Physics

Laboratories:

PG Laboratory:

- Electromagnetics and Optics Laboratory
- General Physics Laboratory
- Analogue & Digital Electronics Laboratory
- Numerical Methods & Computational Techniques Laboratory
- Modern Physics Laboratory

UG Laboratory:

- Engineering Physics Laboratory
- Material Science Laboratory
- Nanophotonics Laboratory

Research Laboratory:

- Material Science Laboratory
- Nanophotonics Laboratory

Department of Mathematics:

The Department of Mathematics was established in 1997. The department offers various mathematics courses to Graduate and Post Graduate Engineering students. As mathematics is the language of engineering, the department serves the same purpose as any other engineering department. The department teaches; differential calculus, integral calculus, vector calculus, matrix algebra, ordinary and partial differential equations, complex analysis, numerical analysis etc.

Academic Programs:

- M.Sc. in Applied Mathematics & Computing
- Ph.D in Mathematics

Department of Life Science:

The Department of Life Science houses disciplines where multidisciplinary and interdisciplinary teaching and research in life science, representing almost all areas of modern biology takes form. The department has made pioneering efforts in integrating Physical Sciences and Engineering Technology with Biological Sciences.

Academic Programs:

- M.Sc. in Zoology
- M.Sc. in Botany
- M.Sc. in Life Science
- M.Sc. in Bio Informatics
- M.Sc. in Bio Technology



Faculty of Humanities and Social Science:

The department of Humanities and Social Sciences was founded in 1997. It encourages pupils to think critically beyond their technical expertise. Many students have benefited across disciplines by involving in group discussions and other activities that have greatly enhanced their overall development. The department has provided students with an excellent theoretical and practical understanding of humanities and social sciences. The department provides three advanced laboratories to make learning easier. By emphasizing Outcome Based Education (OBE), it provides an excellent result. The department trains future leaders in integrated learning and gives them a modern, sensitive view to confront the difficulties of the competitive world. In addition to fostering students' communication skills and English language, the department has also offered two core professional courses since 2020. The department is publishing more research papers and increasing prominence with research scholars and MA students.

Academic Programs:

- M.A. in English Language and Literature
- Ph.D. Program
- Integrated M.A. with Ph.D. in English Language and Literature



Faculty of Tourism & Hospitality:

FTH is home to the finest professionals, hospitality leaders, and entrepreneurs of the future, who are moulded following the current industry trends by highly trained learning facilitators and cutting-edge facilities. The Faculty of Tourism and Hospitality (FTH), formerly Ranjita Institute of Hotel Management & Catering Technology affiliated with NCHMCT, Noida, combines academic and practical education with real-world experience. The FTH education curriculum combines culinary heritage and industrial requirements. The FTH curriculum covers all facets of the hotel industry, from lodging management to hospitality law, marketing, and sales. Distinguished teams of industry executives with years of expertise and academics with great credentials guarantee that students have exposure to practical capabilities and theoretical frameworks.

Academic Programs:

- B.Sc in Hospitality & Hotel Administration
- B.Sc in Airlines
- B.Sc. in Tourism, & Hospitality
- B.Sc in Pastry and Culinary Arts
- Masters in Travel & Tourism Management
- M.Sc in Hotel Administration
- Ph.D. in Hotel Management
- Ph.D. in Tourism Management
- Certificate Course in Hotel management

Laboratories:

- Bakery Laboratory
- Basic Training Kitchen
- Advanced Training Kitchen
- Confectionary
- Advanced Bakery Laboratory
- Restaurant
- Bar
- Front Office
- Housekeeping
- Computer Laboratory



Faculty of Agriculture & Allied Sciences

The Faculty of Agriculture and Allied Sciences (FAAS) is the Hon'ble President of CGU's most ambitious education endeavour under the purview of C.V. Raman Global University, Odisha, and has been functioning since 2020. It seeks a distinctive and entrepreneurial approach to agricultural education. FAAS offers B.Sc (Hons.) Agriculture, a four years professional undergraduate degree programme. According to ICAR rules, it covers agriculture and associated disciplines. Prospective graduates are taught various fundamental, applied and advanced courses to address bottlenecks and sustainable solutions. Our graduates will be kept aware of current research initiatives and international agricultural business models. M.Sc. Zoology, M.Sc. Botany and M.Sc. Biotechnology are also being offered under the Faculty of Agriculture and Allied Sciences stream. FAAS is a residential campus wherein agriculture and students co-exist. The campus has two well-established incubators for local enthusiasts who want to introduce adaptable technology to generate more money and work toward agricultural communities' livelihood objectives.

Academic Programs:

- B.Sc. (Hons) in Agriculture
- M.Sc. Zoology
- M.Sc. Botany
- M.Sc. Biotechnology

Laboratories:

- Agronomy and Horticulture Laboratory
- Biotechnology, Bio-chemistry, Plant
- Pathology Laboratory
- Plant Breeding and Genetics Laboratory
- Seed Technology and Physiology Laboratory
- National Accreditation Board for Testing & Calibration Lab
- Entomology Laboratory
- Agricultural Engineering Laboratory
- Soil Science and Microbiology Laboratory
- Certified Food Quality Testing Laboratory



Faculty of Pharmacy

The Pharmacy program at C.V. Raman Global University is structured to provide students with a well-rounded education in pharmaceutical sciences. The curriculum is designed to equip students with a deep understanding of the various aspects of pharmaceutical manufacturing, pharmaceutical analysis, quality control, etc. The program is divided into eight semesters, each focusing on different courses. The curriculum also includes practical training in the pharmaceutical laboratories and pharmaceutical industries.

The faculty members of the pharmacy program at CGU are highly qualified and experienced in the field of pharmaceutical sciences. They use theoretical and practical training methods to deepen students' understanding of the subject. Faculty members also mentor students in research projects, internships, and industry visits. With their guidance, students are well-prepared for a bright career in pharmacy.

C.V Raman Global University provides students with state-of-the-art research and practical training facilities. The university has well-equipped laboratories for conducting research and experiments related to pharmacy. The university also has state of art laboratories where students can gain hands-on experience in various experimentations of pharmaceutical sciences. The laboratories are equipped with modern instruments to ensure that students receive practical training that is up-to-date and relevant in Research and Industry.

Academic Programs:

- B.Pharm

Laboratories:

- Pharmaceutical Chemistry
- Pharmaceutics
- Pharmacology
- Pharmacognosy



Faculty of Management

The Department of Business Management was established in 2007. The department is now administering its sixteenth MBA cohort. The department also provides BBA and Ph.D. programmes in Management with various specialization. It provides modern training curriculum tailored to the needs of the business. Management education is delivered using a "flipped classroom" learning technique centred on interactive technology. In order to bridge the gap between industry demands and classroom capabilities, it organises industrial visits, seminars, webinars, FDPs, and corporate talks. Student, academic, and industry professionals are brought together via local clubs' activities. The clubs provide members a place to learn essential skills and encourage them to pursue their professional objectives and get frequent feedback.

The Department of management is engaged in cutting edge research in the areas of:

- Data Analytics
- Behavioral Finance
- Energy Economics
- Talent Management
- Financial Econometric
- Capital Markets
- Behavioral Analytics
- Marketing Analytics

Academic Programs:

- Bachelor of Business Administration (BBA)
- Masters in Business Administration (MBA) in HR, Marketing and Finance
- Doctorate in Business Administration



CGU Centres of Excellence (CoE) at a Glance



CGU Centres of Excellence (CoE):

Skill enhancement centres to meet modern industry needs:

- ❖ Bosch Rexroth CoE
- ❖ FACT Centre Gold for Process Automation
- ❖ HVAC and Refrigeration CoE
- ❖ Google CoE
- ❖ TATA Technology CoE
- ❖ Welding CoE
- ❖ PCB & Circuit Design CoE
- ❖ Siemens CoE
- ❖ Robotics CoE
- ❖ Tool Room & Training Centre
- ❖ Analytical & Research Laboratory
- ❖ CISCO - CCNA CoE
- ❖ Cyber Security CoE
- ❖ SEW Eurodrives CoE
- ❖ Quanser CoE
- ❖ VLSI CoE
- ❖ Schneider Electric CoE
- ❖ Emerging Technology in Computer Sc & IT
- ❖ Plumbing CoE
- ❖ Drone Technology CoE
- ❖ CDAC CoE
- ❖ Mechatronika CoE
- ❖ Mitsubishi electric CoE
- ❖ Galsen CoE
- ❖ Edibon CoE
- ❖ AR & VR CoE

Advanced Centers of Excellence



Google CoE

Training Programmes

- Android Developer Platform
- Digital Marketing
- Parallel Computing with GPU



TATA Technology CoE

Training Programmes

Smart Factory Lab Car :

- Hardware Setup
- Installation and Test set up
- Lab Car-Full Vehicle E&E Architecture
- Technology Tool and Environment

Product Design & Development :

- 20 High End Industry Workstation
- Multiple Industrial Technology/
- Digital Manufacturing Technology Tools
- PLM Technologies-Commercial Modules



Bosch Rexroth CoE

Training Programmes

- Mechatronics with Industry 4.0
- Basic & Electro Hydraulics
- Proportional Hydraulics
- Mobile Hydraulics
- Basic & Electro Pneumatics
- Closed Loop Pneumatics
- Industrial PLC
- Sensorics
- Robotics
- Transfer System Drive
- PG Diploma in Automation & Process Control
- Advance Diploma in Machine Maintenance & Automation



FACT Centre Gold for Process Automation

Training Programmes

Process Automation (Basic Level)

- EduKit-PA
- Sensor Technology
- Open loop / Close loop control technology

Process Automation (Advanced Level)

- MPS -PA Compact Work station
- Control of the level, flow, pressure and temperature
- P-I-D Controls
- Optimization of a control loop

FESTO EDS Training System

- Water Technology Training Set-up
- PG Diploma in Automation & Process Control



Siemens CoE

Training Programmes

- AC/DC Drive
- PLC (Simatic S-7 based)
- DCS (Simatic PCS-7 based)
- LV switch-gear
- HMI
- SCADA
- PG Diploma in Automation & Process Control

SIEMENS

ISHRAE



HVAC and Refrigeration CoE

Training Programmes

- Commercial Refrigeration and Air Conditioning
- Industrial Air Conditioning
- PLC and Wiring Simulation of Refrigeration & Air Conditioning
- Use of software for Psychometric analysis and cooling load computation
- Industrial application of HVAC & R



Centre for Industrial Robotics

Training Programmes

Robotics and Embedded Systems

- Embedded C Programming
- LED Interfacing
- I/O Interfacing
- DC Motor Interfacing
- Alphanumeric LCD Interfacing

Sensors Technology

- Sensor switches, Photo sensors, Vibration sensors,
- Temperature sensors, Proximity sensor, Hall sensor

FANUC



SIEMENS

FANUC Mazak



Tool Room & Training Centre

Training Programmes

Advance Machining & Metrology

- CNC Turning
- CNC Milling
- EDM Machining
- Metrology
- Conventional Lathe
- Conventional Milling
- Surface Grinding
- Radial Drilling
- Coordinate Measuring Machine (CMM)
- Profile Projector, Tool Makers & Microscope



SEW Eurodrive CoE

Training Programmes

Variable frequency drive

- General Product Information and Principal of operation
- MOVIDRIVE control model, Option and accessories, Installation & Start-up, Start-up and Parameter setting
- Application Module and IPOS programming

Multi-axis Servo controller Moviaxis

- Start-up of MOVIDRIVE
- Hands on activities
- Programming based

SEW EURODRIVE



Welding CoE

Training Programmes

- Introduction to Welding Technology
- Basic SMAW (Arc) Procedures
- Metal Design/Fabrication & Oxy-Acetylene Procedures
- Basic GMAW (MIG) Procedures
- Advanced GMAW (MIG) Procedures
- Advanced SMAW (Arc) Procedures
- Advanced Metal Design/Fabrication
- Introduction to TIG

KUKA

Fronius

MESSER

KEMPP



Plumbing CoE

Training Programmes

Hands on training modules from Schreiber Didactic, Germany on plumbing activities are as follows:

- Potable water installation
- Drinking water protection, legionella prevention and domestic water supply systems
- Module set armature testing
- Electronic sanitary control
- Training station solar system, Thermionic collector



Schneider Electric CoE

Training Programmes

- Designing and installation
- Low voltage electrical installation
- Industrial electricity and Automation
- BMS applied to buildings (Building Management system)
- Industrial Automation
- Energy Audit

Schneider Electric

AI and HPC

AI becomes faster, HPC becomes smarter

AI/ML Lab Infrastructure



CoreEL VLSI CoE

Training Programmes

- Digital VLSI design & FPGA implementation
- Analogue VLSI schematic design
- Layout and Parasitic extraction
- Advanced VLSI
- Embedded system design

XILINX®

Details of Workshop/Seminar/Conference

Sl. No.	Name of the Event	Date	
		From	To
1	National Seminar on Electronic Devices, Circuits, and Systems	23.09.2023	24.09.2023
2	Latest Research in Advancing Sensor ...	27.10.2023	27.10.2023
3	Second International Conference on Mechanical Engineering Research and Application (iCOMERA 2023) held in Malang, Indonesia	10/19/2023	10/21/2023
4	Emerging Synaptic Devices for Neuromorphic-computing: Towards Industry 5.0	12/11/2023	12/16/2023
5	Atomic Energy Regulatory Board (AERB), GOI sponsored National Seminar on "Frontiers of radiopharmaceuticals and radiological contrast agents in healthcare: Opportunities and challenges"	15.12.2023	16.12.2023
6	Recent Advancement in Nutraceuticals	18.09.2023	22.09.2023
7	Pharmacist a proactive positive player in rational Therapeutics	24.09.2023	24.09.2023
8	IPR in the digital era of transformation	8.10.2023	8.10.2023
9	community connect Entrepreneurial concept-decoding pharmaceutical care everywhere	10.10.2023	10.10.2023
10	Harnessing nanotechnology:Biosynthesis and characterisation of silver nanoparticles and their biomedical and agricultural advancements	15.10.2023	15.10.2023
11	Attaining intelligence to move towards artificial intelligence	29.10.2023	29.10.2023
12	EMERGING TRENDS IN pharmaceutical innovation and Research	20.11.2023	24.11.2023
13	EMERGING TRENDS ON PHARMACOLOGY AND PHARMACOTHERAPEUTICS	27.11.2023	01.12.2023

14	From lab to life: Unraveling Chemotherapy-induced neuropathic pain with cutting edge animal models	03.12.2023	03.12.2023
15	NBEMS CPR awareness programme 2023	06.12.2023	06.12.2023
16	Emerging technologies in the field of health care and pharmaceuticals	04.12.2023	08.12.2023
17	Exploring new innovations in novel drug delivery system	11.12.2023	14.12.2023
18	Atomic Energy Regulatory Board (AERB), GOI sponsored National Seminar on "Frontiers of radiopharmaceuticals and radiological contrast agents in healthcare: Opportunities and challenges"	15.12.2023	16.12.2023
19	National Board of Examinations in Medical Sciences, Ministry of Health and Family Welfare, GOI sponsored CPR Awareness Program	6.12.2023	
20	Society of Pharmaceutical Sciences and Research (SPSR) sponsored 32nd SPSR Webinar on 'From Lab to Life: Unraveling Chemotherapy-Induced Neuropathic Pain with Cutting-Edge Animal Models'	03.12.2023	
21	Recent trends in pharmaceutical innovation and research	22.11.2023	24.11.2023
22	QUALITY COSMETICS: ROLE OF EVOLVING TECHNOLOGIES AND REGULATIONS,' organized by the Society of Pharmaceutical Sciences and Research (SPSR)	27.10.2023	

23	HARNESSING NANOTECHNOLOGY: BIOSYNTHESIS AND CHARACTERIZATION OF SILVER NANOPARTICLES AND THEIR BIOMEDICAL AND AGRICULTURAL ADVANCEMENTS' organized by the Society of Pharmaceutical Sciences and Research (SPSR)	15.10.2023	
24	AICTE evaluated 2 week patent course organized by Turnip Innovations PVT LTD, Kolkata	09.10.2023	22.10.2023
25	Pharmacist a Proactive Positive Player in Rational Therapeutics,' organized by the Society of Pharmaceutical Sciences and Research (SPSR)	24.09.2023	
26	SOLID SHALL BE ALTERNATE SOURCE TO REPLACE HARMFUL ORGANIC SOLVENT IN FUTURE (MIXED SOLVENCY CONCEPT)' organized by the Society of Pharmaceutical Sciences and Research (SPSR)	06.08.2023	
27	Community content Enterpreneurial Concept- Decoding Pharmaceutical Care Everywhere		10-10-2023 01 day
28	Attaining Intelligence to move towards Artificial Intelligence: The Pharma Prospective		29-10-2023 01 day
29	Recent trends in Pharmaceutical Innovation and Research	11/20/2023	24-11-2023 05 days
30	From Lab to Life: Unraveling Chemotherapy Induced Neuropathic Pain with cutting edge animal models	12/3/2023	29-10-2023 01 day
31	Nobel Prize Lecture Series: 2023 on Medicine, Physics, Chemistry, Literature, Economics & Peace		08, 15, & 21/12/2023 03 days
32	NBEMS CPR awareness programme 2023		06-12-2023 01 day
33	UDPS Pharmacon-2023	12/23/2023	12/25/2023

34	Invited Talk on Commodity Market	12.01.2024	12.01.2024
35	Marketing Club Food-Fest	15.01.2024	19.01.2024
36	FDP Emerging Synaptic Devices for Neuromorphic-Computing: Towards Industry 5.0	15.01.2024	20.01.2024
37	Departmental Talk and Student Activities	20.01.2024	20.01.2024
38	Study Trip under ACI	20.01.2024	20.01.2024
39	Technical Talk	22.01.2024	22.01.2024
40	Invited Talk on Finance	23.01.2024	23.01.2024
41	Invited Talk (ACI)	25.01.2024	25.01.2024
42	Invited Lecture (Internal Speaker)	27.01.2024	27.01.2024
43	Departmental Talk and Student Activities	27.01.2024	27.01.2024
44	Invited Talk (Clean Energy and Sustainable Development)	27.01.2024	27.01.2024
45	Ph.D scholar's Poster Presentation	27.01.2024	27.01.2024
46	BOS/DCAC	29.01.2024	31.01.2024
47	Invited Talk (ACI)	02.02.2024	02.02.2024
48	Research Lab Visit Programme to IOP (half day programme)	03.02.2024	03.02.2024
49	Workshop on NEP2020	05.02.2024	05.02.2024
50	Workshop/ Seminar	09.02.2024	10.02.2024
51	Technical Talk	09.02.2024	09.02.2024
52	Industrial Visit to OPTCL Mendhasal for students of 6 th semester EE and EEE.	10.02.2024	10.02.2024
53	Mobile Science and Tech. Lab Visit to Rural high School	10.02.2024	10.02.2024
54	Research Lab Visit Programme to NISER & IIT (Full day Programme)	17.02.2024	17.02.2024
55	Invited talk	17.02.2024	17.02.2024
56	National Science Day Observation	28.02.2024	28.02.2024
57	IEEE Conference	01.03.2024	02.03.2024
58	Inauguration of Department Magazine "VIDYUTAM	01.03.2024	01.03.2024
59	Invited Lecture (External Speaker)	02.03.2024	02.03.2024
60	ACI and IGS Competition in essay writing/ debate/ poster presentation.	02.03.2024	15.11.2024

61	Departmental Talk and Student Activities	08.03.2024	08.03.2024
62	Departmental Talk and Student Activities	09.03.2024	09.03.2024
63	Open Day Programme	13.03.2024	13.03.2024
64	Departmental Talk and Student Activities	15.03.2024	15.03.2024
65	Departmental Talk and Student Activities	16.03.2024	16.03.2024
66	Invited Lecture (External Speaker)	16.03.2024	16.03.2024
67	Invited Talk on HR	16.03.2024	16.03.2024
68	Invited talk	23.03.2024	23.03.2024
69	Poster Presentation by the Students of all CGU Engineering Departments.	23.03.2024	23.03.2024
70	Ship visit to Gopalpur/ Paradip	23.03.2024	23.03.2024
71	Freshers Welcome	29.03.2024	29.03.2024
72	Departmental Talk and Student Activities	30.03.2024	30.03.2024
73	Publication of Departmental Magazine	31.03.2024	31.03.2024
74	Farewell	31.03.2024	31.03.2024
75	Farewell	31.03.2024	31.03.2024
76	Invited Talk on "Advanced Control Design for Grid-Connected Converters in Renewable Energy Applications" By Prabhat Ranjan Bana, Working as-R&D Engineer, Hitachi Energy, Sweden	06.04.2024	06.04.2024
77	Industrial Visit	08.04.2024	20.04.2024
78	Technical Talk	14.04.2024	14.04.2024
79	Student Poster Presentation	20.04.2024	20.04.2024
80	Release of Dept. Magazine	20.04.2024	25.04.2024
81	Invited Talk	21.04.2024	21.04.2024
82	Invited Lecture	26.04.2024	26.04.2024
83	Farewell		
84	Invited Lecture on 5G/6G Communication	01.05.2024	01.05.2024
85	Invited Talk on "Technological Analysis of Solar PV Plant" by Mr. Amulya sahu, Electrical Engineer, Shell, Kuwait	04.05.2024	04.05.2024
86	Marine Seminar	06.05.2024	18.05.2024
87	FDP	20.05.2024	25.05.2024

88	FDP on "Recent advances emerging materials, sensors and devices	03.06.2024	07.06.2024
89	Invited Talk on by Prof. Anup kumar Kumar Panda, NIT, Rourkela	08.06.2024	08.06.2024
90	Invited Lecture	10.06.2024	10.06.2024
91	ATAL FDP on Smart Farming Application using Electronics	17.06.2024	22.06.2024
92	FDP	20.06.2024	22.06.2024
93	Workshop	28.06.2024	29.06.2024
94	3 rd National Pharmacovigilance week: Public awareness to report adverse drug interactions (ADR)	17.09.2023	23.09.2023
95	World Pharmacists Day	25.09.2023	
96	National cGMP Day: Continuous GMP compliance for product safety and quality	10.10.2023	
97	National Board of Examination in Medical Sciences and Pharmacy Council of India sponsored CPR Awareness Program	06.12.2023	
98	Atomic Energy Regulatory Board (AERB) Sponsored National Seminar on "Frontiers of Radiopharmaceuticals and Radiological Contrast Agents in Healthcare: Opportunities and Challenges".	15.12.2023	16.12.2023
99	National Pharmacy Education Day: Pharma Anveshan 2024" on theme "Leveraging Synergism: Industry-Academia Partnership for Implementation of NEP, 2020.	06.03.2024	
100	Eminent lecture series: Injectable nano drug delivery systems for the treatment of breast cancer	22.03.2024	
101	6-days National Webinar on Wellness Waves: Riding the Currents of Pharma and Nutra Advancements	03.06.2024	08.06.2024

IV

CGU in News

POST NEWS NETWORK

Bhubaneswar, Oct 9: Praveen Kumar Giri won silver medal for India at World Skills Competition at Stuttgart Germany. Praveen, a BTech, Mechanical Engineer, who graduated from the CV Raman Global University, Odisha, won the medal for water technology.

Chief Minister Naveen Patnaik congratulated Praveen on winning Silver for India in Water Technology at World Skills 2022, Stuttgart in Germany. In his Twitter account, congratulating Praveen CM said, "May you continue to excel in your life and make Odisha and the entire nation proud. Wish you all the best for future."

He represented India in the category of water technology skill at the World Skills Competition 2022 in Stuttgart, Germany. Notably Praveen got his training in the technology under Rajat Kumar Samantaray of the CV Raman Global University.



Manufacturing 4.0, October 8. Of the 58 participants in the Indian contingent in different trades, 12 were from Odisha. An enthusiastic cricketer and researcher, Manas was an Industry 4.0 Competitor, pursuing his BTech in computer engineering, and he was trained under the guidance of Saubhagya Ranjan Behera. Yashika, and Industry 4.0 competitor, is also doing her BTech in computer engineering.

World Skills Competition 2022 special edition started in Stuttgart

नवराष्ट्र

औस्ट्रिया येथील स्पेथेत घेणार सहभाग

'कुशल'चे प्रशिक्षणार्थी करणार भारताचे प्रतिनिधित्व

दुबई, (नव) जगातच नवराष्ट्रात, भारताचे प्रतिनिधित्व करणारे कुशलचे प्रशिक्षणार्थी करणार भारताचे प्रतिनिधित्व. भारताचे प्रतिनिधित्व करणारे कुशलचे प्रशिक्षणार्थी करणार भारताचे प्रतिनिधित्व. भारताचे प्रतिनिधित्व करणारे कुशलचे प्रशिक्षणार्थी करणार भारताचे प्रतिनिधित्व.



इटलीत १ नोव्हेंबरला स्पर्धा

इटली येथे १ नोव्हेंबर रोजी होणारे 'कुशल' आणि फॅशन डिझाइन' स्पर्धा भारताचे प्रतिनिधित्व करणारे कुशलचे प्रशिक्षणार्थी करणार भारताचे प्रतिनिधित्व.

भारताचे प्रतिनिधित्व करणारे कुशलचे प्रशिक्षणार्थी करणार भारताचे प्रतिनिधित्व. भारताचे प्रतिनिधित्व करणारे कुशलचे प्रशिक्षणार्थी करणार भारताचे प्रतिनिधित्व.

Print Edition
30th October 2022, Page No. 8
Email: navaar2022@gmail.com

शुभम संदेश www.logofan.in

कॅरिअर-कार्सिलिंग

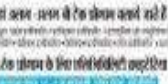
सीवी रमण ग्लोबल यूनिवर्सिटी भुवनेश्वर का हार्डवेस्ट पैकेज 45 लाख, 224 विद्यार्थियों को 9 से 16 लाख का पैकेज



भुवनेश्वर, १० अक्टोबर (नवराष्ट्र) : सीवी रमण ग्लोबल यूनिवर्सिटी भुवनेश्वर का हार्डवेस्ट पैकेज 45 लाख, 224 विद्यार्थियों को 9 से 16 लाख का पैकेज.



भुवनेश्वर, १० अक्टोबर (नवराष्ट्र) : सीवी रमण ग्लोबल यूनिवर्सिटी भुवनेश्वर का हार्डवेस्ट पैकेज 45 लाख, 224 विद्यार्थियों को 9 से 16 लाख का पैकेज.



भुवनेश्वर, १० अक्टोबर (नवराष्ट्र) : सीवी रमण ग्लोबल यूनिवर्सिटी भुवनेश्वर का हार्डवेस्ट पैकेज 45 लाख, 224 विद्यार्थियों को 9 से 16 लाख का पैकेज.



भुवनेश्वर, १० अक्टोबर (नवराष्ट्र) : सीवी रमण ग्लोबल यूनिवर्सिटी भुवनेश्वर का हार्डवेस्ट पैकेज 45 लाख, 224 विद्यार्थियों को 9 से 16 लाख का पैकेज.

विश्व स्तर पर दूध चमकिले बिज्ली रमण ग्लोबल यूनिवर्सिटी छात्र

भुवनेश्वर, १० अक्टोबर (नवराष्ट्र) : सीवी रमण ग्लोबल यूनिवर्सिटी भुवनेश्वर का हार्डवेस्ट पैकेज 45 लाख, 224 विद्यार्थियों को 9 से 16 लाख का पैकेज.



भुवनेश्वर, १० अक्टोबर (नवराष्ट्र) : सीवी रमण ग्लोबल यूनिवर्सिटी भुवनेश्वर का हार्डवेस्ट पैकेज 45 लाख, 224 विद्यार्थियों को 9 से 16 लाख का पैकेज.

Student wins medal: A student from a Bhubaneswar-based institution bagged silver medal for India at the WorldSkills Competition 2022, which is going on at Stuttgart in Germany. Praveen Kumar Giri is a B.Tech (mechanical engineering) student at the CV Raman Global University.



C.V. RAMAN GLOBAL UNIVERSITY

Bidyanagar, Mahura, Janla, Bhubaneswar-752054

Website: www.cgu-odisha.ac.in