



Centurion
UNIVERSITY

**Centurion University of Technology and Management Bhubaneswar
Campus**

IQAC Minutes of Meeting (Jan-March 2022)

Date: 6th April, 22

Time: 11.00 AM

Venue : Boardroom

Members Present:

1. Prof. KVD Prakash (Dean IQAC)
2. Dr. Sushmita Das (Associate Dean, Accreditation & Affiliation)
3. Mrs. Bhagyeshwari Behera (IQAC Coordinator, Botany Dept.)
4. Mr. Chittaranjan Routray (IQAC Coordinator, Chemistry Dept.)
5. Dr. Chinmayee Dora (IQAC Coordinator, ECE)
6. Dr. Nibedita Nayak ((IQAC Coordinator, Physics)
7. Dr. Yashaswi Nayak (Dean and NAAC Coordinator)
8. Prof. Rama Prasanna Dalai (IQAC Coordinator, EEE)
9. Prof. Debashree Debeta Behera (IQAC Coordinator, Mechanical)
10. Ms. Shruti Rajwar (NAAC Coordinator SoFS)
11. Dr. Sabyasachi Dey (IQAC Coordinator, SoM)
12. Dr. Saban Kumar Maharana (IQAC Coordinator, SoMC)
13. Mr. Himansu Bhusan Samal (IQAC Coordinator, SoPLS)
14. Mr. Kulabhusan Pradhan (IQAC Coordinator, SoVET)
15. Mrs. Swarnalata Jena (IQAC Coordinator, Mathematics)
16. Ms. Shreela Dash (IQAC Coordinator, CSE)
17. Dr. Saine Sikta Dash (IQAC Coordinator, Civil)

18. Mr. Jitendra Gupta (IQAC Coordinator, SoPAHS)

Agenda:

- More focus will be given on research activity in different ground such as genomics, tissue culture, organic farming, antimicrobial activity, phytochemistry and drug discovery which may lead to more number of publications and projects
- Planning to organize webinar, conference and internship which will enhance the student's exposure to outside world as well knowledge on different field of research
- Special coaching for M.Sc. students to qualify NET and GATE.
- Planning to get more extra mural funding.
- Initiative to be taken to build up the industry relationships for create more opportunities for student summer internships
- To increase the number of Research publications and Book chapters.
- To provide support for coding and mock PI to train the students for campus placement.

Teaching & Learning:

- Course registration for M. Sc. 1st and 4th Semester started in the month of January. M.Sc. and B.Sc. classes were conducted on physical mode.
- Timetables for even semester B.Tech classes configured in ERP and faculties were asked to upload session plan and daily attendance
- Documentation for NAAC was updated and submitted to the concerned faculties as and when asked.
- Faculties were asked to check the courseware for their courses and make sure that the course objectives and course outcomes are written as desired for NAAC.
- Faculties were asked to get themselves familiar with simulation tools which will give them Quality publication. Every faculty was asked to publish at least three journal articles per calendar year out of which at least two must be reflected in the Scopus database Every faculty was asked to present his/her research findings in two international conferences in a year and get the paper published in conference proceedings.
- Every faculty was asked to publish two book chapters or one book having ISBN number in a year.
- Students projects and domain reviews were conducted to enhance the quality of education

standard.

- Faculties were instructed to follow PO, CO & PSO criterion while designing the internal and external question papers.
- Summer internship was planned for students during their Summer vacation.
- The classes were conducted by faculty members in online mode from 9th January , 2022 onwards owing to the surge in Covid positive cases
- The CBCS subject registration was successfully done for the Fourth and Sixth semester students
- ICT tools are used for teaching learning process and most of the classes done in practice mode.
- The LMS system is also integrated for better eLearning content development and for preparing better individual lessons and making the class more interactive.
- Slow learners in the class are identified and remedial classes are conducted for them. They are also counseled by the mentors on a regular basis
- Faculties were instructed to take regular attendance in ERP and to create Google classrooms for taking assignments.

Assessment

- 1st internal examination of B.Pharm 1st semester was held through online mode.
- The M.Tech. exam was conducted in offline mode and subject registration was done for the 2nd sem course of Data Science
- Unit test was carried out regularly for M.Sc. 1st semester students.
- 2nd internal assessment of both M.Sc. and B.Sc. 1st semester students was completed in month of March.
- End-term external practical and theory examination also completed for both M.Sc. and B.Sc. 1st sem. students
- 1st semester students of BBA, MBA and BCoM appeared first internal assessment was conducted online by QA cell.
- First Internal assessment of B.Tech. 1st Semester and LE students were conducted centrally.
- Second internal presentations for B.Sc 1st semester, M.Sc 1st , and B.Tech 1st semester students were completed.

- EOD exam was conducted from 27th March and 3rd April 2022 for All Batches in School of Pharmacy
- Online Internal - I Examination Schedule for 1st Semester (2021 admitted batch) and Lateral Entry Students (2020 admitted batch) for the Odd Semester for the Session 2021-22 was conducted from 24th Jan to 28th Jan.
- External practical/project exam evaluation conducted by the respective faculty/dept/school between: 21st February 2022 - 28th February 2022 for 1st Semester Students.
- Completed all the Internal mark entry for 1st semester (2021 admitted batch) in the ERP & all External mark submission at the Exam cell by 2nd March 2022.
- End Semester Examination (Offline) conducted for 1st semester (2021 admitted batch) and Lateral Entry Students for the Session 2021-22 during 07 - 21 March 2022.
- IELTS and AMCAT assessment test was held

Student Training

- Virtual training programme was done for B.Sc. final students. Career counseling with group discussion and personal interview was carried out.
- SoM students participated in the webinar on “My Story-Motivational Session by Successful Innovators” on 5th January, 2022.
- SoM students attended a webinar on “Current Trends and Scope of Agribusiness” on 8th January, 2022.
- SoM students participated in a webinar on “Workshop on Entrepreneurship Development” on 22nd January, 2022.
- SoM students participated in a webinar on ‘My Story-Motivational Session by Successful Innovators’ on 31st January, 2022.
- SoM students appeared and completed 2 tests at the Myperfectice platform
- Coding classes are being organized for 3rd year students to boost up confidence among students to clear IT company’s recruitment drive
- One month Hospital training program has been carried out at various Hospitals by 6th semester B.Pharm students
- The 6th semester ECE students attended coding training classes for their upcoming campus recruitment.
- As per the planned activity for student training and coding practice for pre final year/MCA 1st yr was done on a regular basis (C, C++, Java, Python)- Weekly 7 classes (Rakesh Kumar Ray, Saneev Das, Nilamadhab Dash, Abhijit)
- LSD classes were initiated for all the eligible students.
- Base line or Cupet test, AMCAT, my perfection was initiated for students.
- Optometry- We are training students to get a practical knowledge of testing eyesight, visual acuity
- Radiology- Practical knowledge in manual and digital X-ray Practical Lab.

- MLT-Students are getting trained to check blood pressure, blood sugar, blood groups, Centrifuge, CBC, LFT, KFT, Lipid Profile, Malaria, Typhoid, Colorimeter, Semi Auto Analyzer and Full Auto Analyzer, Histopathology.
- CMB-Culture and Antibiotic Sensitivity, Media Preparation, Sterilization, GramStain, Isolation of Microorganism (Bacteria and Fungus) from Food, water and others Sample, ZN Staining.
- OT-Students getting trained as a OT technician
- Students participated in EDUKEMY Webinar. The webinar was conducted to inform the students regarding various competitive aspects, placements and Civil Service examination.
- Students attended a webinar on “Skill set required for Entrepreneurs” on 23rd February, 2022
- Students participated in a webinar on “Team Work: An Overview” on 26th February, 2022

Placement

- B Srinu Rao BBA 6th Semester student got selected at Paytm.
- Tushar Sharma MBA 4th semester got placed at HDFC Bank.
- Ranjit Kumar Nayak MBA 4th semester got placed at Paytm.
- Tarun Kumar Bhadra got selected in Mediamint campus placement drive
- Total 12 numbers of students of B.Pharm 8th semester have been selected in Medikabazaar and also joined.
- Total 11 numbers of students from B. Pharm 8th semester selected in Pulsus on campus drive and out of which 6 have joined for the same
- One 8th Semester student of ECE is placed in Manikaran.
- Three 8th Semester ECE students are placed in Manikaran and Medikabazar.
- Four 8th Semester ECE students started with their internship in Wipro, Cognizant and Simform.
- One 6th semester ECE student has been placed in Hexaware Technology.
- Eighteen B.Tech Students are placed in different companies through placement cell of the University (Wipro AWS, Mediamint, Digital insurance, SISA Information security, L&T, ICICI bank etc.)
- 6 B.Tech students are placed in different companies through placement cell of the University (Hexaware Technologies - Segue, Medika Bazar, Tech Mahindra)
- Lenskart Campus Hiring 2022 Batch for BSc Optometry was held on 29th March’22 (Tuesday). 22 students got selected in the first round of interview
- 2 Students of SoPLS got the offer from Titan Eye Plus
- Ms Debasmita Nath from BSc CMB got the offer from Bharat Serums & Vaccines campus drive held on 15th March’22
- Personality development and mock interview training was done in the month of 15th February’22 with all the students of School of Paramedics from all the branches for 3 days in online mode.
- English communication training was conducted with the help of training team in 21st Feb’ 22 through online mode

- Three students from MSc Microbiology got the offer from Cognizant for the Position of Lab Data Analyst. The interview was held on 10th January'22
- 91 Students from BSc MLT, CMB , MRT, MSc MLT & CMB started their internship from January' 22 in different hospitals for a period of 6 months
- 44 Optometry students have been continuing their internships in different eye hospitals since August' 2021 and it will continue till the end of July' 22. The duration of the internship is for 12 months.
- Nine M.Sc. Students were placed in different companies through placement cell of the University (Byjus, Acadecraft, Tech Mahindra, Mordor Intelligence and Integrated Resources)
- Three M.Sc. Students were placed as TGTs in various Govt. Schools under Odisha Govt
- Ashish Kumar Patel , 8th Semester Civil Engg.student got selected at PI Infocom.
- Chandan Kumar Patel , 8th Semester student got selected at PI Infocom.
- Pragati Santosh Sahu, 8th semester student joined at Capacit'e Infraprojects Ltd.
- Purnamasi Ray , Reg. No. 200705170073 was placed by Byju's on 15th February 2022
- Pooja Maharatha got selected as GET in JSW campus placement drive with a package of 8L/annum
- Tushar Sharma, Subhashree Rout, Sweta Sangeeta Singh, Ankita Kumari, Manisha Pradhan, Mrutyunjaya Mishra, Rajendra Pati, Pragyan Paramita Parida from MBA 4th semester and Tushar Nimai, Sagar kumar from BBA 6th semester students got selected at 7th Heaven Homes campus drive
- Sayad Shahanawaz, Rahul Nayak, Sonam Choudhury, Supti Das, Saswat Kumar Panda, Rhitiq Pattnaik, Mrutyunjaya Mishra, Pragyan Paramita Parida, Suman Prasad got selected at ICICI Bank.
- Akash Mishra, Ameya Yadav, Abhisek Saw, Mohit Kumar Behera, Sourav Panda from BCoM 6th semester and Tushar Nimai from BBA 6th semester got selected at ICICI Bank.
- Manoj Kumar Panda and Tushar Nikunj Rukhiyana from MBA 4th semester got selected at Integrated resources.

Student Welfare

- National Science Day was observed by the students of Centurion University of Technology and Management on 28th of February, 2022 to mark the discovery of the Raman Effect in 1928 by Indian Physicist Sir Krishna Raman. It was coordinated by students Suryakamal Biswal MSc Botany 2nd year and Ashwin Biswal MSc Math 2nd year under guidance of Dr. Subrat Kumar Sarangi, faculty Mentor of Science Club Illuminati, Dr. Rukmini Mishra, Dr. Sutar Suhash Bharat CUTM, BBSR.
- Students have actively participated in Campus cleaning program that was held on 19th February 2022 in front of Madhusudan Building from 3.00 PM to 4.00 PM on the theme 'Swachh Centurion'. Students had actively participated in the program.

- Students Coordinators meeting was held on 19th February 2022 in room no. 118, Aryabhata Building at 4.00 PM. All the student coordinators along with staffs had actively participated in the meeting for upcoming annual function Gajajyoti 2022.
- Students participated in Mega Voluntary Blood Donation Camp held on 26th February 2022 in Centurion University of Technology and Management, Bhubaneswar campus at conference hall, Madhusudan Building in association with CAPITAL HOSPITAL BLOOD BANK, BHUBANESWAR & ODISHA MO PARIVAR-JIBAN BINDU from 10.00 AM to 2.00 PM on the theme 'Donate Blood...Save Life'.
- Students actively participated in various activities during the annual fest Gajajyoti-2022 and Sports organized by the University.

Faculty and Staff welfare

- University announced the faculty award for the calendar year 2022 related to Research & Publication
- All faculty and staff were part of the celebration on the occasion of 11th Anniversary or foundation day of the University that was held from 17th to 22nd Jan.2022
- Dr. Gyanranjan Mahalik has completed One Week Short Term Training Programme through ICT Mode on Environmental Pollution and Protective Measures organized by National Institute of Technical Teachers Training and Research (NITTR), Kolkata, India
- Dr. Kalpita Bhatta has completed two day skill training in “DATA INTERPRETATION OF GCMS & LCMS” from 12th- 13th march.
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Research Projects

- Ten students are engaged in organic farming domain projects under the guidance of Dr. Gyanranjan Mahalik. Related to their project data 6 abstracts were published in International Conference and two were communicated
- Seven students of M.Sc. 4th Semester Organic Farming domain are engaged in Projects work
- Dr Amulyaratna Behera, Dr Rudra Narayan Sahoo, Dr Ashirbad Nanda and Mr Bikash Ranjan Jena have been applied for different projects to DST-SERB
- Digital Manufacturing (Ongoing): Ms. Swarnaprabha Jena, Mr. Subrat Pradhan.
- Insulin Pump (Ongoing): Dr. Harish Chandra Mohanta.
- Chromite Processor (Ongoing): Dr Chandra Sekhar Dash, Dr. Chinmayee Dora.

- Dr Harish Chandra Mohanta submitted GST -TDP project entitled ‘A cost effective ‘LoRA’ based customized device for agricultural field monitoring and precision farming on IOT platform’ on 15th January 2022.
- Seed money grant (Rs. 1,50,000/-) has been awarded to Dr. Gagan Kumar Panigrahi. Project title: Dissecting the molecular events occurring in *Arabidopsis* post pathogen infection
- Dr.Pratap Chhotaray has applied a project entitled “Surfactant based spectroscopically active ionic liquids for possible biomedical applications” of 17,000,00 INR to DST-SERB

Consultancy

- Dr. Gyanranjan Mahalik got a 1.3 lakh seed money grant from CUTM entitled “**Studies on the ethnobotanical and pharmacological activity of wild medicinal plants of Ranpur forest, Nayagarh, Odisha**”
- Dr. Kalpita Bhatta has got a seed money of Rs 3 lakhs entitled, “**Investigating the mechanistic role of CDK4 in regulating lung and oral cancer with different phytochemical extracts**”.
- Dr Madhumita Das is working towards consultancy of Telangana Minorities Residential Educational Institutions Society and is expected to get the consultancy fee soon.
- Community Diagnostic Centre generated a revenue of Rs.1160 through its services

Faculty/Student achievements

- **Dr. Sagarika Parida** delivered the talk as a resource person on the topic entitled “**Standardization of Herbal Drugs: Traditional Methods to Modern Approach**” in the Webinar organized by Subhadra Mahatab Mahavidyalay, Cuttack, Odisha on 29th January, 2022. About 100 participants have attended the presentation.
- Dr. Amulyaratna Behera Addressed a session as Keynote Speaker in E-Faculty Development program organized on 5th February 2022 By ISBM University School of Pharmacy, Nawapara (Kosmi), Gariyaband, Chhattisgarh.
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- **Dr. Rukmini Mishra** delivered a talk on “CRISPR/Cas9 mediated genome editing towards enhanced disease resistance in Chili Pepper’ as a Keynote Speaker in the International conference AgriVision 2022 held at Ravenshaw University, Cuttack from 6th -8th March 2022.

- **Dr. Gyanranjan Mahalik** delivered a keynote talk on Conservation, Cultivation and Sustainable Use of Medicinal Plants in International Conference Agri Vision 2022 held 6th March-8th March at Ravenshaw University, Cuttack.
- **Dr. Sutar Suhas Bharat** delivered his talk on “Oxford Nanopore Sequencing Technologies and its Applications” in the International conference AgriVision 2022 held at Ravenshaw University, Cuttack from 6th -8th March 2022 and **won the ‘Shining Star Award’** for his presentation at the AgriVision 2022.
- **Dr Sutar Suhas Bharat** presented his research work at Paralekhemundi campus during Gajajyoti 2022 Exhibition.
- **Dr. Gyanranjan Mahalik** received a Research Wizard award in International Conference “Agri Vision 2022” and also, he received award for chairing a session i.e. Young Investigator Forum Session.
- **B Jyotirmayee**, Research Scholar, presented her Poster on “Turmeric Secondary Metabolites and Pharmacological Values: Preserving and Expanding Our Indigenous Knowledge Base” in International Conference Agri Vision 2022 held at Ravenshaw University, Cuttack and got best poster award.
- **Srotaswini Parida, M.Sc 4th sem student attended and presented poster in** International Conference on Bioresources of Our Environment: Utilization and Conservation. Organised by Dept. of Botany and Zoology, CUTM, BBSR 2022 and she received 3rd Prize on Poster Competition.
- **Srotaswini Parida, M.Sc 4th sem student** has bagged 3rd prize in Poetry in Gajajyoti from 31st march to 2nd April 22.
- **Srotaswini Parida, M.Sc 4th sem student** has been awarded 2nd prize in Rangoli, Gajajyoti from 31st march to 2nd April 22.
- **Krishra Rani Das and Tushar Ranjan Thakur** bagged 3rd position in Treasure hunt in Gajajyoti.
- **Ashish Panigrahi** has been awarded the best volunteer in International Conference on Bioresources of Our Environment: Utilization and Conservation. Organized by CUTM, BBSR. 2022
- **Swarna Sarita Sahoo-** International Conference on Bioresources of Our Environment: Utilization and Conservation. Organised by CUTM, BBSR. 2022. Presented poster on the

topic Analysis of leaf chlorophyll content of leguminous plants grown in soil media

- **Dibyashree Soumyakanta Jena, Ankita Choudhury, Payal Priyadarshini & Subhasmita Mallick** presented a poster on Oxford nanopore sequencing technology at “International conference on bioresources of our environment: utilization and conservation (ICBEUC 2022)” held at Centurion University of Technology and Management from 28th to 30th March, 2022.
- **Subham Jyoti sahoo & Shobhan Pradhan** presented a poster on Plant nanobionic at Centurion Expo, Gajajyoti 2022 at Centurion University of Technology and Management on 31st of March 2022
- **Dr. Chinmayee Dora**, has been peer reviewer of SCI journals from Journal of Engineering in Medicine
- One research publication of Dr Chinmayee Dora is added to WHO COVID-19 Literature.
- **Dr. Chandra Sekhar Dash** has been peer reviewer of SCI journals from Distributed Generation and Alternative Energy (River) and New journal of Chemistry (RSC) and Security and Communication Network (Hindawi).
- Dr. Sujata Chakrabarty was invited as an External, Evaluation of Thesis, “Effective attack handling methods for layer-wise Spoofing based Man in the Middle attacks in Machine-to Machine Networks”, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, Tamil Nadu, India, 7th January 2022.
- The students of CSE Dept. have participated in India skill on 10th Jan 2022.
 1. Saurav Dhali: 3D game art: Student of B.Tech Computer Science
 2. Rohan and Abhigyan: Cyber security
 3. Srinibas and Pranab: Cyber security
 4. Chinmay: Cloud computing
- Rohit Sahoo became the winner in KHO-KHO in Anual sports meet 2021-22.
- M Mohnish Kumar awarded with runner up trophy in Basketball.
- Three papers of Dr. Sujata Chakrabarty published in the year 2021 (one in SCIE and two in Scopus) have been recognized by World Health Organization (WHO) and are being listed on the WHO website- Global literature on coronavirus disease.
- Dr. Sujata Chakrabarty was invited as external examiner in Utkal University on 30th March 2022.
- Debidutta Acharya of 2nd year CSE,B.tech has partitipated and won 2nd prize in coding competiotion organized by University.
- Aditya Kumar Pathak of 2nd yr B.tech, CSE has won 2nd prize in Math Puzzle and Quiz competiotion organized by university.
- Gold medal in the World Skill competition was won by Ms. J Lavanya of BSc.CMB under the event of Health care.
- 1st prize and 3rd prize in the poster competition is won by students of BSc. RIT and B.Optom on Science Day as organized by SoAS.
- 3rd prize in solo singing on the occasion of Republic Day as organized by CSR Cell is won by Ms. Jayshree Das of B.Optom.
- Kanaklata Meher a M.Sc(Chemistry) alumni of 2018-20 batch has qualified NET(LS) with AIR-49

- Swapnamayee Muduli from M.Sc 2nd year hot got 1st prize in poster presentation at ICRAM-2022 held from 21st march to 23rd March 2022
- Mama Madhusmita Mahakul from M.Sc 2nd year hot got 2nd prize in poster presentation at ICRAM-2022 held from 21st march to 23rd March 2022
- Anupam Sahoo from M.Sc 2nd year hot got 3rd prize in poster presentation at ICRAM-2022 held from 21st march to 23rd March 2022
- Mukesh Kumar Sahoo from B.Sc final year was a semifinalist member of CUTM Kabbadi team in Odisha Inter University Sports Meet at Maharaja Sriram Chandra Bhanjdeo University ,Baripada.
- Dr Siba Prasad Mishra awarded Fellow membership from Institute of Engineers, India.
- Dr Siba Prasad Mishra awarded Fellow membership from The ISDS Organization Japan.
- Dr Saine Sikta Dash awarded membership from Institute of Engineers, India.
- Dr Kamal K. Barik awarded Associate membership from Institute of Engineers, India.
- Mr Deepak Kumar Sahu awarded Associate membership from Institute of Engineers, India
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Publications

- B. Jyotirmayee, Gyanranjan Mahalik. Traditional Uses and Variation in Curcumin Content in Varieties of Curcuma-the Saffron of India. Ambient Science. 2022, 9(1):1-6.
- Soumyaranjan Behera, Gyanranjan Mahalik. A Survey on the Ethnomedicinal plants and Antimicrobial activity of *Tridax procumbens* L. Research Journal of Pharmacy and Technology. 2022, 15(1): 219-223.
- Ningthoujam R, Chanu NB, Anumala V, Babu PJ, Pradhan S, Panda MK, Heisnam P, Singh YD. Predicting Biomarkers and Therapeutic Targets in Cancer: Computational intelligence in Oncology. Springer. 2022,. DOI: 10.1007/978-981-16-9221-5_13
- Ushashee Mandal, B Jyotirmayee, Gyanranjan Mahalik. Traditional plants utilized for the viral disease treatment. Plant Science Today. 2022 (Online)
- Nimay Chandra Giri had published a E-SCI article in Ambient Science journal on Photovoltaic Pumping System Vs Livelihoods and Sustainability in January 2022.
- Nimay Chandra Giri had published a NAAS article in The pharma innovation journal on Conservation tillage and integrated nutrient management impact on soil organic carbon fractions, labile soil organic matter pools and microbial community under rice-wheat in January 2022.
- Dr Rudra Narayan Sahoo has published in Journal of Drug Delivery Science and Technology, ISSN- 1773-2247. The title of the paper is “Bentonite clay incorporated

topical film formulation for delivery of trimetazidine: Control of ocular pressure and in vitro-in vivo correlation”

- Dr Rudra Narayan Sahoo has published in Journal of Drug Delivery Science and Technology, ISSN- 1773-2247. The title of the paper is “Effect of annealing time on the applicability of potato starch as an excipient for the fast disintegrating propranolol hydrochloride tablet”
- Dr Ranjan Kumar Sahoo has published in Pharmacia, ISSN- 2603-557X. The title of the paper is “Atorvastatin ascorbic acid co crystals strategy to improve the safety and efficacy of atorvastatin”
- Rout SK, Sahani M, **Dora C**, Biswal PK, Biswal B. An efficient epileptic seizure classification system using empirical wavelet transform and multi-fuse reduced deep convolutional neural network with digital implementation. Biomedical Signal Processing and Control. 2022 Feb 1;72:103281.
- Sundararajan M, Subramani A, Ubaidullah M, Shaikh SF, Pandit B, Jesudoss SK, Kamalakannan M, Yuvaraj S, Subudhi PS, **Dash CS**. Synthesis, Characterization and In Vitro Cytotoxic Effects of Cu: Co₃O₄ Nanoparticles Via Microwave Combustion Method. Journal of Cluster Science. 2022 Feb 10:1-0.
- Sundararajan M, Vidhya J, Revathi R, Sukumar M, Arunadevi B, Rajkumar R, Ramachandran S, Kamalakannan M, **Dash CS**, Rajabathar JR, Arokiyaraj S. Rapid synthesis and magnetic property characterization of Mg²⁺ doped Co₃O₄ nanostructures. Inorganic and Nano-Metal Chemistry. 2022 Jan 4:1-7.
- **Dash CS**, Rajabathar JR, Al-Lohedan H, Arokiyaraj S, Ramachandran S, Sukumar M, Revathi R, Anitha G, Sundararajan M. Facile microwave synthesis, structural, optical, and magnetic properties of Zn²⁺ doped CoAl₂O₄ spinel nanoparticles. Inorganic and Nano-Metal Chemistry. 2022 Feb 1:1-0.
- Sridhara Setti, **K K Barik**, Bruno Merz, Ankit Agarwal, Maheswaran Rathinasamy (2022) Investigating the impact of calibration timescales on streamflow simulation, parameter sensitivity and model performance for Indian catchments, Hydrological Sciences, Vol. 67 (5), 661-675.
- Mishra Siba Prasad, Chandan Kumar, Abhisek Mishra, Sasat Mishra, (2022). Estimation of Sediments in Rengali Reservoir, Odisha (India) Using Remote Sensing, January Int J. of Environment and Climate Change 11(12):205-225, DOI: 10.9734/IJECC/2021/v11i1230572
- Mishra Siba Prasad, Ashish Patel, Abhisek Mishra, Chandan Kumar, (2022). Geomorphologic Change in Nagavali River Basin: Geospatial Approach, Int. J. of Environment and Climate Change 11(12):235-250, DOI: 10.9734/IJECC/2021/v11i1230574
- Book Chapter: Jasmine G.V., Ponnada M.R., Mishra S.P. (2022) Blast Loads and Their Effects on Structures. In: Loon L.Y., Subramaniyan M., Gunasekaran K. (eds) Advances in Construction Management. Lecture Notes in Civil Engineering, vol 191. Springer, Singapore. https://doi.org/10.1007/978-981-16-5839-6_15

- **S P Mishra** (2022) “Symbiosis of Urban Agglomeration vs. Nature's Deterioration with Anthropocene; Odisha: Current Journal of Applied Science and Technology, SCIENCE DOMAIN, 2457-1024 59(1) pg 59-72.
- **S P Mishra** (2022) “Catastrophism and Uniformitarianism in Decision Making of Meghalayan Age in East India” International Journal of Environment and Climate Change SCIENCE DOMAIN 2581-8627,12(4) pg no 235-250.
- **S P Mishra, A Mishra, C Kumar and S Mishra** (2022) “Sedimentation in East Coast Hilly Terrain Reservoirs; Balimela, Odisha” International Journal of Environment and Climate Change SCIENCE DOMAIN 2581-8627,12(5) pg no 15-30.
- **B Harichandan, S P Mishra, D K Sahu** (2022) “The Non-Carbon Kaolinite; Part Substituent of Cement in Concrete” Current Journal of Applied Science and Technology Science domain 2457-102(41) Pg no-1-13.
- **S Setti, K K Barik, B Merz** (2022) “Investigating the impact of calibration timescales on streamflow simulation, parameter sensitivity and model performance for Indian Catchments Hydrological Sciences” Taylor & Francis (Accepted).
- **Chakrabarty S, Mishra MP, Bhattacharyay D** (2022) Targeting Microbial Bio-film: an Update on MDR Gram-Negative Bio-film Producers Causing Catheter-Associated Urinary Tract Infections. Applied Biochemistry and Biotechnology. DOI:10.1007/s12010-021-03711-9 (IF= 2.9) (SCI)
- **Debasrita Dash and Dojalisa Sahu**, Growth and Gd doping of ZnO nanostructures with enhanced structural optical properties and photocatalytic applications, *IOP Conf. Ser.: Mater. Sci. Eng.* 1219 012037(2022)
- **Ranjan K. Mohapatra, Satwik Kuppili , Tarun Kumar Suvvari , Venkataramana Kandi , Ajit Behera , Sarika Verma, Kudrat-E-Zahan , Susanta K. Biswal , Taghreed H. Al-Noor , Marei M. El-ajaily, Ashish K. Sarangi, Kuldeep Dhama,** “SARS-CoV-2 and its variants of concern including Omicron: looks like a never ending pandemic”, Chemical Biology and Drug Design, 20 February 2022, <https://doi.org/10.1111/cbdd.14035>
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- Mr. Bikash Ranjan Jena has published an article titled" Pandemic Vs Epidemic and Endemic Virus diseases: Present, Past and Future Directions" in *Innovative Publications*, IP innovative Publications Pvt. Ltd, ISSN- 978-93-91208-61-5
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Conferences/ workshops/FDP/MDP/Webinar attended and organized by faculty

- Nimay Chandra Giri successfully participated in a National Conference on NEP 2020 reflections on its implementation on 9th and 10th January 2022.
- Nimay Chandra Giri successfully completed one week FDP on NEP 2020 from 10th to 14th January 2022.
- The Center for New Material Applications and Department of Physics, SoAS, Bbsr, along with IIC and Centre for Innovators and Entrepreneurs organized a **webinar on "Innovation Amidst COVID-19 Pandemic: The IISER Pune Story"** on **28th January 2022**. The talk was delivered by one of the eminent scientists of India from IISER Pune, Dr. Sunil Nair. The talk also related to SDG nos. 3 (Health and Well-Being) and 9 (Industry, Innovation and Infrastructure).

The poster is a vertical rectangular graphic with a light blue and white background. At the top left, it lists the organizing institutions: 'Center for New Material Applications & Dept. of Physics' and 'Centurion UNIVERSITY'. At the top right, it lists 'Center for Innovators and Entrepreneurs' and 'INSTITUTION'S INNOVATION COUNCIL'. The word 'WEBINAR' is centered in blue. Below it, the title '“Innovation Amidst COVID-19 Pandemic: The IISER Pune Story”' is displayed in blue. To the left of the title are two SDG icons: '9 INDUSTRY, INNOVATION AND INFRASTRUCTURE' and '3 GOOD HEALTH AND WELL-BEING'. Below the title is a circular portrait of Dr. Sunil Nair, with his name and 'Department of Physics, IISER Pune' written below it. Underneath the portrait is the 'About Speaker' section, listing his achievements: 'INSA young scientist medal', 'Humboldt Fellow', 'Marie Curie Fellow', and 'University of Oxford Alumni'. At the bottom left, there is a 'Join Zoom Link' section with the Meeting ID: 827 2277 0641 and Passcode: 658361. At the bottom right, the date and time are given: 'FRIDAY JANUARY 28, 2022 04.00 pm to 05.00 pm'.

- On 11th March, 2022 Dr. Shivani devi from Apollo Hospital Bhubaneswar , visited the campus, and health camp was organized by Community Diagnostic Center including gynecology health consultation, Blood sugar estimation, BP measurements etc. Also a seminar was organized at Madhusudan building Auditorium as part of student development program.
- “National conference on Optometry and Vision Sciences-2022” was organized on the World Optometry Day on 21st - 23rd March 2022.
- On 21st March, 2022, a camp was organized at SSVM Jatni by CUTM,BBSR as part of Optometry Day celebration. 1st day and students active participation with practice managed for skill development .

- On 22nd March, 2022 in campus health camp was organized by SoPAHS, BBSR at Community Diagnostic Center. 50+ patients screening was done by Optometry and Nursing faculties.
- Dr. Siba Prasad Parida was invited as a Resource Person in Annual Wetland bird Survey Operation Chilika lagoon on 3rd and 4th January 2022.
- Dr. Siba Prasad Parida was invited as a Resource Person in Annual population estimation of estuarine crocodiles in Bhitarkanika Wildlife Sanctuary, Bhitarkanika National Park and Mahanadi Delta Region will be conducted from 02.01.2022 to 07.01.2022
- Dr. Siba Prasad Parida was invited as a Resource Person in Annual Population Estimation of Irrawaddy Dolphin from 8th and 9th January 2022.
- Dr. Siba Prasad Parida was invited as a Resource Person in Asian Waterbird Census 2022 at Chandaka Wildlife Division on 13th January
- The Department of Botany, School of Applied Sciences in association with the research Centre for Genetics and Genomics organized an international webinar entitled “Stem cell and gene editing in microgravity research and future scope” on 5 th March 2022.
- Dr. Rukmini Mishra participated in AgriVision 2022 held at Ravenshaw University, Cuttack from 6 th to 8 th of March as a Keynote speaker
- Dr. Rukumini Mishra was Co- Convenor in the International conference on Bioresources of our Environment: Utilization & Conservation.” from 28 th to 30 th of March 2022.
- Dr. Gyanranjan Mahalik attended one-week Short Term Training Programme through ICT Mode on Environmental Pollution and Protective Measures organized by National Institute of Technical Teachers Training and Research (NITTR), Kolkata, India on 14th March 2022.
- Dr. Gyanranjan Mahalik attended International Conference on Agri Vision 2022: International Conference on Agriculture for Sustainable Future held at Ravenshaw University, Cuttack, Odisha, India.
- Dr. Gyanranjan Mahalik attended and organized International Conference on Bioresources of Our Environment: Utilization and Conservation (ICBEUC 2022) as an organizing secretary
- Dr. Sagariks Parida executed the role of Cultural event organizer in International Conference on “Recent Advances in Materials (ICRAM – 2022)” organized by Department of Physics and Chemistry, School of Applied Sciences of Centurion University of Technology and Management, Bhubaneswar Campus in hybrid mode from 21st March

to 23rd March, 2022 and on “Bioresources of Our Environment: Utilization and Conservation” (ICBEUC –2022) organized by Department of Botany and Zoology, School of Applied Sciences of Centurion University of Technology and Management, Bhubaneswar Campus by hybrid mode from 28th– 30th March 2022.

- Dr. Sagarika Parida executed the role of co-convener International Conference on “Bioresources of Our Environment: Utilization and Conservation” (ICBEUC –2022) organized by Department of Botany and Zoology, School of Applied Sciences of Centurion University of Technology and Management, Bhubaneswar Campus by hybrid mode from 28th– 30th March 2022.
- **All faculties of department of Botany Dr. Rukmini Mishra, Dr Sutar Suhas Bharat, Dr. Kalpita Bhatta, Dr. Sagarika Parida, Mr. Srimay Pradhan and Mrs. Bhagyeeswari Behera** attended the “International conference on bioresources of our environment: utilization and conservation (ICBEUC 2022)” held at Centurion University of Technology and Management from 28th to 30th March, 2022.
- Department of Botany in association with Centre for Genetics and Genomics is going to organize a 6 days hands-on training on basic tools of molecular biology in the Genetics Engineering and Genomics from 4th-9th April 2022. Till now 6 members have registered. In this workshop participants will get an hands-on training on basic molecular biology training, gene editing and gene sequencing.
- Ms. Suchismita Acharya gave an oral presentation in ICRAM-2022 held in the premises of Centurion University from 21st March 2022 to 23rd March 2022.
- Faculty members of Department of Chemistry organized and participated in the International Conference (ICRAM – 2022) held in the premises of Centurion University from 21st March 2022 to 23rd March 2022.
- Dr. Sujata Chakrabarty was invited as Chief Guest at GMR Institute of Technology Rajam in collaboration with Andhra University College of Engineering for the Inaugural Function of a 5-days FDP on “Research Application in Machine Learning (RAML-2022). I also delivered a talk on “Applications of Machine Learning in Precision Farming and Agriculture 4.0”.
- **B Jyotirmayee-** International Conference on Bioresources of Our Environment: Utilization and Conservation. Organized by CUTM, BBSR. 2022
- International Conference on Agriculture for Sustainable Future. Agrivision 2022. In Association with Ravenshaw University, Cuttack. Won Best Poster

- **Srotaswini Parida**- International Conference on Bioresources of Our Environment: Utilization and Conservation. Organised by CUTM, BBSR. 2022.
- International Conference on Agriculture for Sustainable Future. Ravenshaw University, Cuttack. March 6-8, 2022.
- Ph. D. scholars Ms Ananya Mishra, B Jyotirmayee, Sunanya Das, Sonupriya Sahu and Debasmita displayed and presented a poster on “ Effect on vermicomposting on growth and nutrient content in Triticum aestivum L. under organic farming system” in International Conference on Agriculture for Sustainable Future” organized by Agrivison 2022 in association with Department of Botany, Ravenshaw University, Cuttack.
- Seminar titled “Insights into Antibiotic resistance: An overview “ conducted by School of Pharmacy and Life Sciences on 19th Feb,2022
- Seminar titled “Carrier Opportunities in pharmaceutical manufacturing industry” conducted by School of Pharmacy and Life Sciences on 26th Feb,2022
- Dr.Dojalisa Sahu presented a paper at 6th International Conference on Recent Advances in Material Chemistry(ICRAMC-2022) held from 17th to 19th February 2022 organized by Department of Chemistry, SRM Institute of Science and Technology, Tamilnadu,India
- Dr.Atia Arzoo has participated in National Intellectual Property Awareness Mission on 25th February 2022 organized by Intellectual Property Office,India
- Dr.Dojalisa Sahu has participated in National Intellectual Property Awareness Mission on 25th February 2022 organized by Intellectual Property Office,India
- Department of Chemistry has organized a webinar on “Growth of Bismuth Sulfide nanorods from spherical shaped amorphous precursor particles for energy application” on 2nd February 2022.
- Department of Chemistry has organized a webinar on “Fluorescence of excited state proton transfer based molecular probes” on 17th February 2022.
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Alumni

- Millan Mahapatra (2019-2021 batch) joined Govt. UG HS, Karla School for the post of TG CBZ teacher.
- One of our alumni student Suchismita Sahoo (2019-2021 batch) cleared CSIR NET 2022
- 3 students qualified GATE 2022 with Good all India rank namely Akshay Kumar Sahoo (2018-2020 batch), Smruti Rekha Dash (2019-2021 batch) and Suchismita Sahoo (2019-

2021 batch)

- Alumni Talk was organized on 21st January 2022 to celebrate 11th Foundation Day of Centurion University all the successful alumni students of the department were the part of celebration
- Dr. Soumya Ranjan Mohapatra being the alumini of 2010 batch successfully delivered a talk on 24th Feb 2022 on the topic Modeling and Robust Control strategies for complex MIMO systems .