



Centurion
UNIVERSITY
*Shaping Lives...
Empowering Communities...*

Centurion University of Technology and Management

Bhubaneswar Campus

IQAC Minutes of Meeting (OCT- DEC 2019)

Date : 04.01.2020

Time : 10.00 AM

Venue : Hall No 6, Aryabhata Building

Members Present:

1. Prof. Susanta Kumar Mishra (Dean SoM)
2. Prof. Amit Sahoo, (HoD, EEE)
3. Prof. Jaganath Padhi (Director)
4. Mrs. Swarna Prabha Jena (HoD, ECE)
5. Dr. Kamal Kumar Barik – (HoD, Civil)
6. Prof. Prangya Paramita Debata (HoD, Mechanical)
7. Dr. A. M. Mohanty (PROVC)
8. Dr. Sujata Chakrabarty – (HoD, CSE)
9. Dr. Mohammed. Siddique (Associate Dean SoAS)
10. Dr. Goutam Kumar Mahato (HoD, Mathematics)
11. Dr. Sagarijka Parida (HoD, Botany)
12. Dr. Siba Prasad parida (HoD, Zoology)
13. Dr. Yashaswi Nayak (Asst. Professor, Zoology)
14. Dr. Susanta Kumar Biswal (Dean, SoAS)
15. Dr. Dojalisa Sahu (HoD, Chemistry)
16. Mr. Chittaranjan Routray (Asst. professor, Chemistry)
17. Dr. Subrata Sarangi (Dean)
18. Dr. Padmaja Patnaik (HoD, Physics)
19. Dr. Gurudutta Pattnaik (Dean, SoPLS)
20. Mr. Himansu Bhusan Samal (IQAC Coordinator, SoPLS)
21. Prof. Sunil Kumar Jha (Dean SoPAHS)
22. Prof. KVD Prakash (Dean HRD)
23. Dr. Dipankar Bhattacharya (Dean)

Agenda and Action Taken

- E-Content status for the odd semester courses was discussed in Details where Dr. J. Padhi sir gave some suggestion how to prepare the E-Content for all the Domain Courses. The concerned faculties were advised to prepare accordingly.
- Faculties who have cleared AMCAT exams were advised to take Competitive exam coaching classes. Moreover Padhi sir also suggested bringing external expert to make this coaching fully effective.
- Prof. Debasis Sahu need to complete the task related to Alumni details of 2019, 2018, 2017 passed out batches as soon as possible and Prof. Linkan Priyadarsini was asked to help him in this regard.
- Syllabus revision should be done for all the baskets irrespective of departmental subjects and baskets
- Identification of courses that related to skill development, employability and entrepreneurship should be highlighted in the outcome.
- Criteria 1, 2 and 5 of the NAAC should be completed and submit to HOD before the deadline of the respective criteria so that HOD can upload the same in the tracker.
- The criterion 1, 2,3,4,5 has been updated.
- All the files had been distributed to the concerned coordinators as per the criteria and accordingly files to be updated.
- Development of facility, faculty competency, good housekeeping, and record keeping were the key areas of discussion.
- The assessment procedure by NBA and NAAC is ordeal; howbeit we have to bag the minimum qualifying score as recounted in meeting.
- Our national rating is continuously down and out which was within hundred retrospection the past and was the imperative area of discussion.
- Each faculty to bag two research papers, one in Scopus indexed and other in UGC approved journal.
- Research activity bears substantial mark in which we need to exercise our cerebral effort. All faculties are requested to contribute one paper in international conference ICMSEA-2019.
- Enforcing academic steps to improve the placement ratio for the final year and the upcoming batches
- Encourage parent feedback basically for the new joining students
- Plan FDP participation for the faculty members.
- Parent teachers meeting planned by the department in month of January 2020 to facilitate exchange of thoughts between the parents and the faculty fraternity regarding student welfare and growth.
- One parent teacher meeting has been planned.
- Mapping and identifying various files as per new criteria at the department level
- Subject wise E-contents and PPT submission
- Paper publication
- Lesson plan submission for B.Sc. and M.Sc. 2nd semester
- Labs were upgraded as per the requirement of present practice session.
- Weekly mentoring will be conducted by the faculty members.
- Meeting with faculty members to complete the syllabus of M.Sc final yr students with January so that they will work for their project and can submit the dissertation in time.
- Meeting with all mentors to ensure the impact of mentoring class on student performances.
- Meeting with all faculty members to introduce various skills for success (SFS) courses offered by the University, so as maximum number of students will get benefited.
- Documents of research activity, alumni, placement, result analysis file updated.

1. Admission related

- Admission process in MAT examination is to be followed up by Admission Team along with Prof. Bijay Bhujabal.
- Branding in different colleges at Bhubaneswar, Dhenkanal and Chandikhol area has been undertaken by admission team. Database has been collected and followed up by admission team during last

months. Mr. Gopal Krishna Panda Aska, Bhanjanagar, Hinjilcut, Chatrapur, Ganjam, Khalikote, Rambha, and other +2 Sc. College of Berhampur and its peripheries, Bhadrak, Balasore, Cuttack, Dhenkanal, Anugul, Nimapada, Nayagad, Khurda.

- A brand building programme was arranged by Mr. Ghanashyam Jena/Nagen Bisoi on 11/28/2019 which was appreciated heartily by 70 students from Einstein Academy, Khurda.
- A Tech-fest programme was arranged by Mr. Ghanashyam Jena/Nagen Bisoi on 12/1/2019 which was appreciated heartily by 230 students from RP +2 Science College, Tigiriya Bidharpur.
- A Tech-fest programme was arranged by Mr. Ghanashyam Jena/Nagen Bisoi on 12/3/2019 which was appreciated heartily by 70 students from Shining point +2 Science Student, Khordha.
- A Tech-fest programme was arranged by Mr. Ghanashyam Jena/Nagen Bisoi on 12/8/2019 which was appreciated heartily by 240 students from S N College, Jagatsinghpur & DAV, Kalinganagar, Bhubaneswar.
- A Tech-fest programme was arranged by Mr. Ghanashyam Jena/Nagen Bisoi on 12/15/2019 which was appreciated heartily by 326 students from Navajoti Re College, Bhubaneswar & Marsaghai College Kendrapada (75).
- A Tech-fest programme was arranged by Mr. Ghanashyam Jena/Nagen Bisoi on 12/25/2019 which was appreciated heartily by 50 students from Ghanteswar Govt college.
- A Tech-fest programme was arranged by Mr. Ghanashyam Jena/Nagen Bisoi on 12/29/2019 which was appreciated heartily by 50 students from Dhamra College.
- Mr. Manoj Kumar Behera visited Kendriya Vidyalaya and DAV School Paradeep, Contai West Bengal, KV-6 Bhubaneswar and also organized the in-campus visit for the students of Navajyoti School and Marshaghai College.
- Mr. Raj kumar Mohanta visited St. Mary's School Jharsuguda and LN College Jharsuguda on 5th November 2019.
- Department seek the help of admission team to conduct awareness program for parents and students about skill initiative programs conducted in the university.
- Various Brand building programs were conducted by the department for attracting students intention towards it's course curriculum.
- Dean calls a Meeting with all faculty members and discussed how to boost the admission in B.Sc program.
- Total no. of students enrolled in M.Sc.- 84 (Botany Dept).
- Total no. of students enrolled in B.Sc. – 5 (Botany Dept).
- Total no. of students enrolled in M.Phill – 16 (Botany Dept)
- Total no. of students enrolled in MSc – 152 (Zoology Dept).
- Total no. of students enrolled in BSc-15 (Zoology Dept).
- Total no. of students enrolled in MPhill – 13 (Zoology Dept).
- Total no. of students enrolled in Ph.D -09 (Zoology Dept).
- Orientation program was conducted for the newly admitted students of B.Sc. and M.Sc.
- Previously planned bridge classes were conducted to minimize the gap between the old and new subjects.
- Total no. of students enrolled in B.Pharma in 2019 - 57.
- Total no. of students enrolled in D.Pharma in 2019- 59.

Teaching and Learning

- Quiz, PPT in ERP, E-Content will be developed by all faculty and will be loaded in their concerned MIS portal by 30th October 2019.
- Domain like Marketing, HR, Finance, Pharmaceutical, BBA, BCOM, MBA Data Analytics has been analysed.
- The course distribution for all programs of even semester was carried out.

- Course progression meeting was held and faculties were asked to provide the progress of their respective courses undertaken in different programs. It was discussed some of the courses which have comparatively less progress need extra classes for completion of the respective courses.
- The all courses for MBA, MBA DA and BBA were started from 11th December 2019. Time Table for these courses were also prepared and circulated to students through mail and hard copy of the same was pasted in the notice board. The students were also asked through over phone, mail and WhatsApp to attend the classes regularly.
- Research Meeting was conducted by Prof. Ganapati Panda to motivate faculties to write Project proposals and to increase Departmental Publication.
- Some changes were made in the Event Calendar and it was planned to arrange a FDP related to Power System O&M and a Guest Lecture related to Under Water Vehicle by External Resource person.
- As per the new structure for domain syllabus it was decided theory will be minimum and more practice session.
- Periodic evaluation of domain should be done which should be in the form of record, assignment, etc. in line with the projects assigned to the respective domain students.
- Domain feedback should be taken from students by the domain coordinators.
- Value added courses should be included in each semester with a syllabus design of 30hrs and a brochure should be designed for the same value added course.
- There should be at least 3 value added course per year.
- The domain coordinators were instructed to make the syllabus as per new structure and submit it by 2nd Jan 2020.
- There will be 3 days technical training on basics of C, C++, DBMS, etc. per week.
- It was decided that students having back paper more than 6 are to be counselled by the mentors for re-register or new registration against the back paper.
- Even semester subject registration and classes initiated.
- Irregular students have been identified and their parents are intimated.
- Load distribution, Lesson plan preparation and presentation by respective faculty members.
- Time table preparation for the even semester (as per the CUTM website hosted academic calendar - 17weeks)
- Subject depository plan prepared and finalized in the faculty meeting has further been hosted in ERP through the MIS cell.
- New Domain Subjects were introduced in 1st year B.Sc. and M.Sc. curriculum and was placed for BOS approval.
- SFS Courses was offered by the University and time table was prepared accordingly keeping in view that students can comfortably join the various skills for success classes.
- Counselling sessions proved fruitful as the aspiring students and their parents on formal campus visits appreciated the skill courses imparted here which they were informed during the answering of their inquisitions.
- Faculty members are visiting institutions to give presentation on Career talk in accordance to the branding activities such as planned visits to the schools in and around Bhubaneswar as well as places outside the state.
- Load distribution for even semester classes for B.Sc. and M.Sc.
- Lesson plan preparation and presentation by faculties for even semester courses.
- Time-table preparation for the even semester for 17 weeks (as per the academic calendar hosted in the CUTM website).
- M.Sc. students divided among the faculty members for their respective project work

Assessment

- EoD was conducted in 3rd Nov. where many of EE/EEE students had appeared and cleared their back paper.
- Odd semester's internal exams were conducted.
- End semester exams were started for all the schools.
- Internal exams and External Lab practical was held in time and marks are updated in ERP.
- Students are given assignments and doubt clearing classes so as to prepare themselves for upcoming 1st Internal Examination.
- A new evaluation pattern was considered with the following changes:-
- 1st and 3rd semester of M.Sc., 1st, 3rd and 5th semester of B.Sc. was completed.
- 2nd and 3rd internals are completed for all batches.
- All internal marks are uploaded in the new ERP system.
- As per the university academic calendar Sessional exam was commence for 7th, 5th, 3rd and 1st of B.Pharma students.
- Internal assessments of theory examination have done for D.Pharma 1st and 2nd year students.
- Ways to improve class quality by focusing on regular attendance and home work to students on regular basis.
- Regular assignments for students; regular checking of notes.

2. Student training

- More focus will be given for Career Enhancement and its details will be floated through mail. It is also decided that documentation of career enhancement will done and will be shown in Time Table.
- Value added course will be included in the syllabus and brochure will be developed by Dean-SoM. Simulation game will be considered as value added course. Capstone will be conducted for MBA DA students and coordinated by Prof. P. K. Patjoshi.
- Students were advised to submit their Summary Internship feedback and certificates for evaluation of Summer Internship marks. Date was fixed for SIP presentation and VIVA for MBA and BBA final year students. Different committees in the area of Marketing, HR and Finance were formed for conducting the presentation and VIVA.
- It was decided in the University that all the students of different programs should opt for any skill courses in different areas.
- It was decided skill courses will be starting from in the month of December 2019.
- Pre-Placement training is conducted in full energy
- Career Coordinator keenly observing the activities of the students.
- One workshop has been conducted by the department on Geospatial Survey for both faculty and students from 15th Nov to 16th Nov.
- In the light to encourage peer learning student lectures/talks are conducted as a part of Domain interactive sessions.
- A free drug distribution and health camp was organized by School of pharmacy and life sciences on 9th nov 2019 at SEVAK, Chhatia, Jajpur (old age home and home for specially abled). As scheduled, Dr. P.K Mishra (sanjeevani hospital, BBSR), 2 faculties of SPLS (Dr. Biwsakanth kar & Mrs. Prachi Rani Sahu) along with 7 pharmacy students of SPLS celebrated the weekend in a unique way from 10 a.m to 2 p.m. by conducting various health check- up like blood pressure, blood group, BMI of more than 100 old age people. Dr. P.K Mishra gave various health advices to the mentally retarded, physically challenged people followed by prescribing them free medicines. CUTM sponsored lunch for all the residences of the old age home. All the members present over there appreciated the contribution of Centurion University for the social cause. All the staff members & residences of

SEVAK were happy for benefiting from the camp organized at their place. It was really nice to see YOUTH celebrating their weekend with the old people in need.

- **Optometry**- We are training students to get a practical knowledge of testing eye sight, visual acuity
- **Radiology**-Practical knowledge in manual and digital X-ray testing.
- **MLT**-Students are getting trained to check blood pressure, blood sugar, blood groups, Centrifuge.
- CBC, LFT, KFT, Lipid Profile, Malaria, Typhoid, Colorimeter, Semi Auto Analyser and Full Auto Analyser, Histopathology.
- **CMB**-Culture And Antibiotic Sensitivity, Media Preparation, Sterilization, Gram Stain, Isolation of Micro-organism (Bacteria and Fungus) from Food, water and others Sample, ZN Staining.
- **OT**-Students getting trained as a OT technician, EEG, ECG tests training(Diploma)

2.1 Placement Training / Job preparedness

- Students of 5th sem were attending their pre-placement training on every Saturday.
- A 5days' workshop on BIM, SIMULIA, and XGENERATIVE has been conducted for the students from 18th November to 22th Nov.
- LSD classes were initiated for all the eligible students.
- Department wise technical/domain training was initiated.
- Base line or Cupet test has been initiated for students.
- MOCK interviews and GD and PI were planned at the department level.
- LSD classes were initiated for all the eligible students of B.Sc. and M.Sc. students for upcoming campus interviews.
- Placement coordinator was advised by Dean and HoD to inform and guide the students for various training program classes offered by the Placement Cell time to time.
- Dean asked the B.Sc. and M.Sc. Students those are interested to give their name for admission into NET/GATE/JAM Coaching on paid basis.
- Department has planned to open an IAS study center in the campus.
- Students will be ready after completion of academic internship.
- Placement Training Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences carried out.
- More attention is given to slow learners by frequently providing them notes, conducting small class tests, and answering the queries.
- New value added course (Ethics, Human Rights and Gender) and Skill courses were introduced in Undergraduate and Post graduate Programs.
- Some of the MSc students were encouraged to continue their project using in the department

3. Faculty Development Program

- Micro Teaching Method was carried out and list participants were also prepared which will be conducted on 9th-10th January 2020.
- A series of Faculty development programs were conducted by Prof. Ganapati Panda on different **Machine Learning** techniques where faculties from all the schools participated and gained the adequate knowledge to carry out research activity.
- Faculty Development Program on "Scientific Paper Writing", was conducted by Prof. R. C. Mohanty on 10th October 2019.
- Three days Workshop on Group dynamics at Parlakhemundi Campus was arranged by Dr. Are Holen, Professor Emeritus of Behavioural Medicine, Faculty of medicine from 16th to 18th October 2019.
- A National conference on Recent Advances in Materials: Green Future was organized jointly by Department of Physics and Chemistry in collaboration with (RAM-2019) in collaboration with

Mining, Minerals, Metals and Materials Society of India (4MSI) during July 6th-7th 2019 in the premises of Centurion University Bhubaneswar Campus.

- An expert talk was delivered by Dr. Dipankar Bhattacharya , Professor ,School of Applied Science on Biomimic, Chemical sensor, Nano materials, improvement of quality of carbon anodes, organ metallic compounds, chemistry of coke pitch interaction at 3.00 p.m. on 03.08.2019(Saturday) in Conference hall of Madhusudan Building (GF) attended by all students and faculty members.
- Department of Chemistry along with School of Applied Sciences in collaboration with Ambika Prasad Research Foundation , Bhubaneswar Organized a two days National Seminar on Indigenous knowledge & Conservation Of Threatened Medicinal Plants from 31st August to 1st September 2019 where our Students and Staff members participated actively.
- Faculties and students of School of Pharmacy and Life Sciences and School of Forensic Sciences attended an open day & science exposition “Research innovation-science Empowering Nation” on 26th Oct 2019 organized by Institute of Life Sciences (ILS) & ICMR-regional medical research centre (RMRC), Bhubaneswar. Faculties and students actively participated in Experts meet, sharing views & vision on science.
- National Pharmacy Week (NPW) was celebrated at SPLS in 3rd week of November 2019. As instructed by Indian Pharmacy Association, the theme of this year was “Pharmacists: Your Medication Counsellor”. The celebration began with the welcome address by Dr. Gurudutta Pattnaik, Principal, SoPLS. It was followed by official inauguration of NPW celebration and speech by chief guest Mr. Ranjan Kumar Sethy, Drug Analyst, State Drugs Testing Laboratory, Bhubaneswar.
- Faculty Development Program on "Empowering Disengaged Students was conducted on 15th November 2019 by " Mr. Samuel Crotty (RMIT University, Australia)
- A seminar talk by Prof. Dipankar Bhattacharya on “Application of Nano-particles in Concrete Technology” was been organized on 15.10.19. All faculty of the department along with students attended the program.
- A Seminar Talk on Foundation Engineering and soil mechanics was been conducted by Prof B. Hanumantha Rao, Professor, IIT Bhubaneswar on 21.10.19.
- Our Alumni Mr. Suryakanta Hota has conducted a session for our students on “**Empowering concrete with new Technology**” on 30.10.19.
- One FDP on “**Differential Global Positioning System (DGPS)**” was been conducted by Prof K. C. Sethi and Er. Girija Sankar Senapati for two days from 15th Nov2019 to 16th Nov 2019.
- Dr. Kamal Kumar Barik attended a training program on “Ocean Color Remote Sensing - Data, Processing and Analysis” at Hyderabad from 25.11.19-29.11.19.
- Major Genral Ramesh Chandra Padhee attended “US-India Defence Ties” conference at Hyderabad from 18.12.19 to 19.12.19.
- Prof. Kapileswar Mishara attended the internal conference ICMSEA-2019 at Paralakhemundi Campus on 19th Dec 2019.
- Er. Prasant Nayak and Er. Sagarika Panda shall occupy themselves in Plumbers training conducted by GTET on 22nd and 23rd January.
- A seminar talk has been conducted on 27th Dec 2019 by Prof. Deb Mishra Associate Professor of School of Civil and Environmental Engineering Oklahoma State University, presentation to Civil Engineering students on the topic fields of geotechnical, pavement, and railroad engineering and Interaction higher studies in US for all other students.
- A Training for faculty members on use of Digital Teaching Devices was been conducted on 27th Dec 2019.
- A C-3D and E-tab learning classes shall be for 6th sem. students shall be conducted from 13th – 17th instant during 5PM to 7PM.

- Mrs. Sunita Sathpaty attended one day FDP Program on “Empowering Disengaged Students” held at Bhubaneswar campus on 15th November -2019. Resource person was Mr. Samuel Crotty from RMIT University Australia.
- Dr. Siba Prasad Parida, Dr. Sitaram Swain and Dr. Yashaswi Nayak participated in two day National Seminar on “ Recent Advances and Challenges in Forensic Crime Investigation” organized by School of Forensic Sciences CUTM Bhubaneswar sponsored by (DST-SERB, on 14th and 15th December – 2019.
- FDPs on **Mechanistic Organic chemistry and instrumental methods** of in spectroscopic analysis by inviting experts outside are planned and the dates were fixed.
- A seminar on "**Current challenges and progress in astronomy and planetary science**" was delivered by Dr. Liton Majumdar, NISER, BBSR.
- Dr. S. Behera attended the FDP on "**Recent Advances in Materials Science**" organized by Dept of PHYSICS, CVRCE, Bhubaneswar.
- A poster on Graphene Oxide was presented by Mr. Soumen Dash in International Conference on Functional Materials: Synthesis, Characterization and Applications, held at Department of Textile Engg. and Department of Chemistry, CET-BPUT, Bhubaneswar.
- A paper on Silicon-Graphene Composite was presented by Dr. Tapan Dash in 2nd International Conference on Processing and Characterization of Materials (ICPCM-2019) 12th-14th December 2019, held at Department of Metallurgical and Materials Engineering NIT Rourkela.
- A seminar on "**The captivating of Nano science and Technology: An overview**" was delivered by Dr. Bikash Kumar Jena, IMMT.
- Dr. Subrata Sarangi Presented a paper on Ideal Gas-Like Surface Behavior of Surfactant Molecules in Liquids Leading to Langmuir-Blodgett Monolayers in ICMSEA-2019.
- Five PhD Scholars of our department presented papers in the 4th International Conference on "MANAGEMENT, SCIENCES, ENGINEERING & APPLICATIONS" (ICMSEA-2019) organized at CUTM, Paralakhemundi Campus.
- FDP Program on “Intellectual Property Rights(IPR),R&D and Innovation” held at Bhubaneswar campus on 30th November-2019. Resource person was Dr. B.K Sahu, head, NRDC-IPFC&TISC, Govt of India.
- A Two day National Seminar on “ Recent Advances and Challenges in Forensic Crime Investigation” was organized by School of Forensic Sciences and School of Pharmacy and life Sciences, CUTM Bhubaneswar sponsored by (DST-SERB), on 14th and 15th December – 2019. Dr. Gurudutta Pattnaik was the organising secretary and Dr. Amulya Ratna Behera was the convenor of National Seminar.
- Senior faculty member’s regularly guiding junior faculty in academic and research activities.

3.1 *Culture, Sports and Responsibility*

- “Mini Marathon – 2019” was held on 1st December 2019 "World AIDS Day" (Sunday), where many of our students had participated.
- In the light to encourage peer learning student lectures/talks are conducted as a part of Domain interactive sessions.
- Our student Mitali Monalisha Sahoo - 180704100005 participated in Celebration of Gandhi Jyanti and Shastri Jayanti and International day of nonviolence in a unique way on 2nd October at Old age home and Home for Specially-abled, Padmashree Society, Jatni.
- Madhusudan Jena, a student of 1st year BSc (Chem. Hons) has been a member of the Volley ball team that won East Zone - Inter University Volleyball Championship 2019 (6th - 9th October) held at KIIT University, Bhubaneswar.
- Some of our students along with Dr. Arun Kumar Pradhan, Assistant Professor visited the residents of Mission Ashra (Working for the cause, care and concern of mentally ill and

mentally challenged destitute women: 264 women are staying now) as a part of CSR: Responsibility activities to celebrate green Diwali on 29th Oct.2019.

- Our students Madhusudan Jena, Sangram Sahoo and Ghanashyama Mahakuda participated in Intra School Kabaddi Tournament October 2019.
- Two of our MSc students (Sangram Keshari Sahoo and Ghanashyama Mahakuda) were played for CUTM Kabadi Team that won the tournament held at NIT Rourkela Sports festival on 9th November. 2019.
- The of our department students Madhasudan Jena(B.Sc 1st Yr), Sangram Sahoo (MSc 1st Yr) and Ghanashyam Mahakud(M.Sc. 2nd Yr.) were representing the university Volley and Kabaddi team that won Champions' Trophy and Runners Up Trophy respectively at P MEC, Berhampur on 30th December 2019.
- Faculties and students of SPLS attended a two day INDO-MALAYSIAN conference organized by CPS, PURI on 11th & 12th November 2019.
- Dr. Bhabani Sankar Satapathy along with students B.Pharma attended "INDIA INTERNATIONAL SCIENCE FESTIVAL"-2019 held at BISWA BANGLA CONVENTION CENTRE KOLKATA during 5th -8th November 2019.
- Green Diwali was celebrated among all staffs with sharing of wishes and sweets.
- All teaching and non-teaching staff wishes each other Happy Christmas and Happy New Year.
- Students from M.Sc. & B.Sc. Zoology visited and observed the Gandhi & Shastri Jayanti and .International day of nonviolence in a unique way at "Old age home and Home for Specially-abled", Padmashree Society, Jatni, Khordha, Odisha.

16th October, 2019

- One of our B.Sc. Zoology student participated "Intra School Kabaddi Championship 2K19", CUTM, Bhubaneswar Campus, Jatni and his team got Man of the Match title.

26th October, 2019

- Yara Yaasmin, Rosali Biswal, Biswa Bijaya das and Ankita Pradhan B.Sc. 3rd semester Zoology won 2nd prize for "Rangoli (New India)" Competition hosted by School of Managment, CUTM, Bhubaneswar Campus.

29th October, 2019

- Our Students were celebrated "Green Diwali" at the residents of Mission Ashra working for the cause, care & concern of mentally ill & challenged destitute women. This year their tag line was "DIL DIYA AUR DIWALI – 2019" and enjoyed the food and lots of sparkles along with the residents.

17th November, 2019

- Rosali Biswal, Triparna Barik, Mrigya Kashyap and Mahima Aran BSc. Zoology participated campus cleaning, flash mob and street play on "Mission Clean Centurion Green Centurion" at CUTM, Bhubaneswar Campus, Jatni, Odisha.

19th November, 2019

- Our B.Sc. Zoology students performed the flash mob and dance performance on the occasion of the visit of the Honourable Chief Minister of Odisha Shri Naveen Patnaik and the legendary actor Padmashree Dr. Kamal Haasan to our campus. The flash mob was based on the theme "Mission Centurion @ World Skill".

4. Placement

- Prof. C. V. Kamesh will take few classes for student's improvement on communication and personality etc. for two to three times in a week in addition to the existing arrangement of classes relating to placement.
- Only 13 EE/EEE students have been placed till date in different companies and efforts are being taken to increase this number.

- 2 no. of Internal Faculty development programs by Dr. Abhinna Biswal was conducted on the month of July on Fundamentals of Artificial Intelligence.
- List of students placed during this quarter: (Students highlighted have already joined respective companies in ECE department.
 - Poonam D Nayak in Tekwissen.
 - Lalit Kumar Dash, Trushalina Mohapatra , Soumya Ranjan Lenka, Somnath Pradhan in Indian Money.
 - Amlan Sourav Mohapatra, Adyasa Priyadarsini, Khiradri Tanaya Acharya, Farhan Khan, Priya Rajlaxmi, Kumari Sonali Panda in Tech Mahindra.
 - Priyanka Biswal in Byju's-Learning App
 - Arun Kumar Nayak in Dassault Systems.
 - Himanshu Sekhar Sethi in HDB Financial Services Ltd
 - Jhunnu Tigga, Ankita Kumari in GT Tech.
- Dassault System has organized a campus drive for Civil Engineering students in January.
- The CEO, Centurion University had an interaction with the final year students regarding the internship and placement on 27th Dec 2019.
- Students were been advised to focus on developing confidence in speaking and being thorough in at least two technical subjects, which will be helping them grab any placement opportunity in coming future.
- Special aptitude, reasoning, technical classes had been given.
- Life Skill Development Programme Aptitude, Personality Development, Job Readiness Programme.
- Special Coaching for GATE & UPSC Exam.
- IELTS and AMCAT assessment test was held.
- Employability Training and Self-Assessment by British Council
Aspiring Minds, Cocubes, iCalirator, Eureka, OPTCL, Pegasus, Showhow2
- Students register in Placement cell to sit in various campus drives by different companies' e.g. Ramco Cement, Techmahinrda, Surya International etc.
- The students were advised to seek help of the Department Placement Coordinator if they face any problem or difficulty during the Placement Drive.
- Placement Coordinator has to inform the students about various recruitment drives and will intimate the venue and time by e-mail or WhatsApp.

5. Research, Publication

- Faculties were asked to present and publish conference paper 4th International Conference on "Management, Sciences, Engineering & Applications" (ICMSEA-2019) was organized on 19th, 20th & 21st December 2019 at CUTM Paralakhemundi Campus.
- Mr. Harish Chandra Mohanta, Mrs. Rupanita Das, "**Smart Grid Control System Using Solar Panel**", International Journal of Innovative Technology and Exploring Engineering (IJITEE), Blue Eyes Intelligence Engineering & Sciences Publication, ISSN-2278-3075.
- A paper on "Optimized Structural Performance of Paver Blocks of Bajri Concrete: NRM Partly Substituting Cement" has been published by Prof. Sipalin Nayak and Prof. Siba Prasad Mishra, in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-1, November 2019.
- A paper on "**An Autodesk Modelling of Urbanization by Vertical Multi-storied Structures over Incompetent Soils**" has been published by Prof. Siba Prasad Mishra, Mrs. Sagarika Panda and Mr. Suman kumar Behera in International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, in October 2019.

- A Paper on “**Review on Utilization of Alkali activated flyash and GGBFS as green concrete**” has been published in ADALYA Journal, Vol. 8 (7) by Sagarika Panda, R K Panigrahy & M L Narashimam.
- A paper on “**Stabilization of soil subgrade using fly ash: an industrial waste**” has been published by Prasant Nayak, Sagarika Panda, Rakesh Jena in Infokara Research ISSN - 1021-9056 in November 2019.
- A Paper on “**Groundwater Hydrochemistry around the Shrimp ponds of Ersama and Balikuda Blocks, Odisha**” has been published by P C Dalai, J K Tripathy, K. K. Barik & S R Panda in Pollution Control ISSN- .0257-8050 in Nov 2019.
- A paper on “**Statistical Assessment of Shoreline Changes along Odisha Coast, Eastern Seaboard of India**” has been published by K K Barik, R Annadurai, P K Mishra, R S Mahendra, J K Tripathy and D Mitra in International Journal of Coastal Conservation in Dec 2019.
- Prof. Debashree Debadatta Behera, paper titled “**Development and Performance Testing of Solar operated Insecticide and Pesticide Agro Spraying system**”, IJEAT, International Journal of Engineering and Advanced Technology, has been published.
- Dr. R.C. Mohanty, paper titled “**A Review on Initiation, Structure and Advance Utilization of Shape Memory Polymer**” Journal of Advanced Scientific Research has been published.
- Prof. Dillip Mohanta “**Mechanics of grain size and orientation on the machining of AISI S7 steel using numerical Technique**”, International Journal of Engineering and Adv. Tech has been published.
- Dr. R. C. Mohanty, paper titled “**An Experimental Statistical Model developed in fish drying using regression analysis**” International Journal of Mechanical Engineering & Technology (IJMET), has been published.
- Paper named “**Unsupervised Feature Learning on Big Data Based on Deep Learning with Weighted Softmax Regression**” published in the Elsevier Scopus Indexed International Journal, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-8, Issue-5, March 2019.
- Dr. Swarnalata Jena and Mr. Kaliprasad Rath were doing their research work in collaboration with S’O’A University, Bhubaneswar and College of Engineering and Technology, BBSR.
- Mohammed Sidiqe was doing his research work in collaboration with KIIT University, Bhubaneswar.
- Mrs. Saubhagyalaxmi Singh was doing his research work in collaboration with UTKAL University, Bhubaneswar.
- Dr. Goutam Kumar Mahato was doing research work in collaboration with the following universities:
 - IIT (ISM) Dhanbad
 - University of Kwazulu-Natal, South Africa
 - KIIT University, Bhubaneswar
 - Thapar University, Patiala
 - O. P. Jindal Institute of Technology, Raigarh (now O P Jindal University Raigarh)
- M.Sc. 4th semester students and M.Phil students are working on the projects assigned to them.
- Dr. Yashaswi Nayak communicated a research article entitled “**Effect of rearing system in production performance and egg quality characteristics of Vanaraja layers (Gallus gallus domesticus)**” to scopus indexed journal IJEAT on 18th December 2019.
- Prof. Tikina R Sethy, Prof. Arun K Pradhan and Prof. Prafulla K Sahu , “**simultaneous studies on kinetics, bio-adsorption behaviour of chitosan grafted thin film nanohydrogel for removal of hazardous metal ion from water**” Environmental Nanotechnology, Monitoring and Management,
- Mr. Atanu Ranjan Ojha and Dr. Susanta Kumar Biswal, “**Thermo Physico-Mechanical behaviour of palm stalk fiber reinforced epoxy composites filled with granite powder**” Composites communications.
- Prof. Dojalisa Sahu, Prof. Debasrita Dash, “**Photoluminescence and photocatalytic properties of europium doped ZnO nano particles**” Applied Surface Sciences, Nov-19.

- Dr. Susanta Kumar Biswal was awarded with Best Researcher Award from VDGGOOD Technology factory on 11th Dec.2019.
- Dr. Susanta Kumar Biswal and Mr. Chittaranjan Routray were elected as Fellow to The Society of Innovative Educationalist & Scientific Research Professional Chennai accredited with Innovative Scientific Research Professional Malaysia, Kuala Lumpur, Malaysia.
- Dr. Sraban Kumar Sahu, Research associate of Chemistry Department awarded Ph.D degree from NIT, Rourkela on “**Graphene based metal oxide nano composite: synthesis and application towards the absorptive removal of toxic inorganic and organic pollutants from aqueous media**”.
- Dr. Susanta Kumar Biswal received Best Academician Award from Indian Youth Association on the occasion of IYA Star award ceremony on 30th December 2019.
- Prof. Sraban Kumar Sahu, Research associate of Chemistry Department gave an oral presentation on amine functionalized GO decorated with ZnO and ZnFe₂O₄ nano material for remediation of Cr+6 ion from water “ in the International conference on Functional Materials: Synthesis, Characterization and Applications held at CET,BBSR from 28th to 30th Nov.2019.
- One of the research scholars of Dr. S. K. Biswal (2019 admission batch) Mr. Subrat Narayan Das has presented his research work in the International Conference at Rajshahi University, Bangladesh.
- Ms. Amrita Palei, Ph.D student under the guidance of Dr. Dojalisa Sahu, Associate Professor and Head, Department of Chemistry presented a paper in ICMSEA, held at CUTM, PKD campus during 19th to 21st Dec.2019.
- One paper of Dr. S. R. Panda entitled Molecular interaction of dextran with urea through Ultrasonic technique published in Scopus indexed journal.
- One paper of Dr. T.Dash entitled Iron oxide impregnated mesoporous MCM-41: synthesis, characterization and adsorption studies published in SCI journal.
- One paper of Dr. S. Behera entitled Dielectric and Impedance spectroscopy of Rare earth based tungsten-bronze ceramic" published in SCI journal.
- Faculty applied for Grants for research projects sponsored by government or non-government sources Proposal under progress.
- Books and chapters in edited volumes / books published, and papers in national/international conference-proceedings by faculty members Submitted to journals.

6. Resource acquisition

6.1 Faculty staff recruitment & development

- Maintenance of all equipment's had been done.
- Some research activity initiated by both faculties and M.Tech scholar and PhD students in Advanced Testing Laboratory, Thermal Laboratory and EDM
- Laboratory assistants were trained in the lab about the new experiments and instruments by senior faculty members.

6.2 IT resource

- A new computer with UPS was installed in Chemistry Laboratory along with UV-VIS Spectrophotometer.
- A New UV-VIS Spectrophotometer was purchased
- 14 no's of Optometry Lab construction under progress.
- All equipment's are in Functional Condition.
- Chemicals received for the previous procurement.
- All equipment's are functioning well.
- We are using ARVR lab for the radiology/MLT/CMB Students.

6.3 Physical facilities

- One Girls common room is required for all girls' students of SoM program.
- Environmental awareness programme like Swachhata Hi Sewa.
- Blood donation camp.
- Alumni meet.
- Diwali was celebrated by students and faculties of School of Applied Sciences.
- Proper classrooms provided to each discipline.
- The class rooms for BSc 2nd year students were repaired after they were damaged by FUNY Cyclone.
- Proper sitting arrangement for the faculty members and office staff.
- At least 2/3 Computer system and 1 printer required for SoPAHS office.

6.4 Library facilities

- Departmental Library will be maintained in the register and will be taken care by Prof. Madhumita Das.
- The dept. library is being updated with total number of 49 books of all subjects.
- In the department, some books have been purchased as per the requirement of Faculties.
- List of Books (Texts & References) for the upcoming course (zoology) submitted to library for procurement.
- List of books for B.Sc and M.Sc was given to the Library for urgent purchase.
- Requisition is given for new text and reference books for B.Sc., M.Sc., M.Phil. and Ph.D. students.
- List of books for the new semester has been submitted to library.

7. Community Engagement (Extension)

- Few alumni were contacted and their database was updated in the format.
- An Alumini meet was also conducted
- Many alumini gave their feedback during their coming for the Convocation.
- Mr. SK Sabir and alumni (ECE Batch 2011-2015) has interacted with the Embedded Domain Students on 24th December 2019.ECE Students Interaction with 1st year Students.
- We are taking the advantages of existing collaboration.
- Student for M.Sc. Botany visited and observed the Gandhi and Shastri Jayanti and international day of non- violence in a unique way at old age home and home for specially-abled at Padmashree society, Jatni.
- Our students celebrated Green Diwali at the resident of Mission Ashra, working for the care and concern of mentally ill women. This year their tag line was "DIL DIYA AUR DIWALI". Some of student participated in quiz competition .They enjoyed the food and lots of sparkles along with the residence.
- Pratyasha Mohanty won 3rd prize in debate competition on the topic of Make Integrity: A way of life for district Vigilance Awareness Week at CUTM, BBSR campus.
- Piyush Pradhan and Pratyasha Mohanty participated as a CSR student core coordinator in celebration of World Kindness Day at CUTM, BBSR campus. A total of 100 members from housekeeping staff, green bridge, transport staff, security staff are greeted during this event.
- Some of student of our dept. participated in campus cleaning, flash mob and street play on "Mission Clean Centurion Green Centurion" at CUTM, BBSR campus.
- MSc. Botany students Pratyasha Mohanty, Piyush Pradhan, Lipsa Meher participated in Flash mob and dance performance on the occasion of the visit of the honourable Chief Minister of Odisha Shri Naveen Patnaik and the legendary actor Padmashree Dr. Kamal Hasan to our campus.

- On 30th November 2019 Piyush Pradhan and Pratyasha Mohanty took part in celebration of World AIDS Day at CUTM, BBSR campus. They participated in quiz test competition conduct for the awareness of HIV and AIDS. Both of them won the prize.
- Dr Siba Prasad Parida, Head, Department of Zoology, School of Applied Sciences, CUTM, Bhubaneswar Campus was invited as Guest of Honour for “65th Wildlife Week” at Nandankanan Zoological Park, Odisha.
- Banaja Prakashini Samantaray (180705180046) and SK Imran (180705180024) of MSc 4th semester Zoology were shortlisted for the Winter Nature Camp conducted by Regional Museum of Natural History (RMNH), Bhubaneswar. The camp consisted of lectures on the conservation of biodiversity in mostly Chilika Region, Odisha. Conservation and protection of Wetland Water birds in Mangalajodi region of Khurda. The team were taken on a bird watching field trip to Mangalajodi for the identification of birds and the species richness of that region was observed.
- Plus 2 students of various schools in and out of Bhubaneswar visited Zoology Dept for an exposure which was conducted by the authorities of respected schools to expose their students to observe the healthy academic practices adopted by the institution imparting higher education.
- Butterfly garden was developed in Centurion University campus by the combined efforts of students, faculty members and Dr. Siba Prasad Parida . It was inaugurated by the legendary actor Padmashree Dr. Kamal Haasan on 19th November -2019 during his visit to our campus in the presence honourable President sir and Vice Chancellor Mam.
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8. Strategic plan

- Industrial Relation Law paper may be considered for enhancement of student learning. Newsletter will be sent to other colleges for visibility of the Department.
- Stress has been given on Alumni activities to make it stronger. Passed out batch students contact no. along with their designation will be collected by Prof. Sabyasachi Dey.
- To Publish Research Paper having good Impact Factor.
- To apply for Project Proposal.
- To encourage students to produce more Live projects.
- To apply for Patents.
- IGBC is going to provide a student training on” Green Building” in January.
- A student development program on “Application of total station and generation of contour map” has been planned to be organized in 2nd week of January 2020.
- A Student Development Program on QGIS has been planned to be conducted on 9th Jan 2020.
- The department plans to organise the following two Summer Courses on "IoT and Robotics Applications using Arduino / Raspberry Pi”.
- Foundation Course on "IoT and Robotics Applications using Arduino / Raspberry Pi"@ 15 Days for both inside & outside participants.
- Advanced Course on "IoT and Robotics Applications using Arduino / Raspberry Pi"@ 30 Days for both inside & outside participants.
- It is decided to have field visit for M.Sc. and B.Sc. students (Botany) CRRRI and RPRC with Head of the Department.
- It is decided to have FDPs, workshops and Seminar in the fourth coming months.

- It is decided to arrange a field visit for MSc students (Zoology) Zoological Survey of India Gopalpur along with some faculty members.
- To double the admission of undergraduate program
- To increase postgraduate admission by 30 % in coming years.
- To organize seminars and conferences on regular basis to expose the university and resources of the university among the participants all over institutions and university.
- Carrying out action research by involving more students.
- Planning to visit different +2 and degree colleges for Brand building.

9. Student welfare

- Activities relating to Culture, Sports and Responsibility are in process. Students mentoring are continuing by each faculty.
- Hostel Visits were conducted by faculties during evening hour to check the student's study hour.
- CUTM GT Skills 2019 was organized on 23rd October to increase our students learning skill.
- All Students were asked to registered for SFS courses from 17th Dec and value added courses.
- Intra college and inter college sports had been done and mechanical students had participated.
- Students are encouraged to take the Wi-Fi facility.
- Parents meeting had been done.
- Centurion students played a vital role for smart city development.
- Welding domain students had attended International Conference on **AFTMME, 2019** in Engineering Materials and Processes.
- Some of our girl students Priya Mahato, Priyanka Priyadarshini, Alka Dash and Medha Patel stood first in "Antakshari Competition" during Gajajyoti the annual function of the college.
- Goutam N. Sahoo and Priya Mahato have bagged the second prize in the Ramp Walk event arranged during the annual day celebrations.
- Alka Dash has acquired the first prize as the best coordinator for the National Science Day event arranged in the campus.
- Shubham Bhuyan participated in the Robotics competition and scored the second prize
- Arunjyoti Rout participated in group dance competition and scored the first prize.
- Suraj Kumar Gupta scored first prize in a debate competition called "face to face" and also secured first prize in producing an "IoT enabled application".
- Sibasish Mohanty scored third prize in photography competition and also participated in "Nukkad Natak" and also bagged the best social-responsibility coordinator 2018-19.
- Sunanda Priyadarshini has bagged the "Youth Of Odisha" award and is also awarded with the Social Impact Award by We4You is a NGO working for Education & Skill Development of Sightless people & Underprivileged children.
- Children's day was celebrated in departmental level with distribution of sweets to them.
- In 7th convocation, one of our MSc student achieved gold medal which is 1st achievement of Mathematics department as MSc gold medalist.
- All the students of M.Sc. programme visited Nandankanan along with some faculty members. Under the guidance of faculty members they studied and surveyed the different medicinal plants in the Botanical Garden division of Nandankanan.
- M.Sc. students displayed their posters in National Seminar based on the given theme "Science and Technology: Rural Development" at KIIT University on 13th and 14th December 2019.
- All M.Sc. 4th semester students and M.Phil. Students are working on the projects assigned to them.
- M.Sc. students were engaged in research activities under different faculty members for submission of their final dissertation.

- Mentoring class is held once in a week and reports has been send regularly to the concerned parents of different students.
- Remedial Class was conducted for EOD registered students by respective subject faculty members.
- Alumni meeting was held with 2019 passed out B.Sc. and M.Sc. students on 5th December 2019.
- M.Sc 3rdsem students along with two teachers visited IMMT, BBSR. The students were exposed to various instruments and techniques related to material science such as RAMAN, XRD, XRF, SEM etc.
- Remedial Classes has been organized for poor students by their respective subject teachers.
- Mentoring class was a part of the department time table and is held once in a week so as to monitor the student progress and keep a track record of their performance in internal as well as semester examinations and also information sent regularly to parents.
- Students are informed to participate in various campus recruitment drives organized by the Training and Placement cell.
- Plus 2 students of various schools in and out of Bhubaneswar visited Zoology Dept. for an exposure which was conducted by the authorities of respected schools to expose their students to observe the healthy academic practices adopted by the institution imparting higher education.

10. Faculty and Staff welfare

- Faculties were asked to give IELTS test on 1st, 2nd and 3rd October to improve their English skills.
- A seminar talk on “Tariff Determination by State Electricity Regulatory Commission for Supply of electricity”: by Mr. P. K. Pradhan, Ex-Director (Commercial), GRIDCO was conducted on 30th Nov 2019 where many faculties and final year students had participated and got benefitted.
- Prof. Sudeep Kumar Singh attended conference **ARIAM, 2019** at GIFT, Bhubaneswar.
- Prof. Sudeep Kumar Singh attended conference **ICIPDIMS, 2019** at NIT Rourkela.
- Prof. Debashree debadatta Behera presented one paper conference **ICMSEA, 2019** at Paralakhemundi
- Prof. Shakyasingha Sahoo and Dr. R.C Mohanty attended FDP on machine learning at IIT, Bhubaneswar.
- Mrs. Bhagyeeswari Behera presented her research paper in International conference ICMSEA in the month of December 2019 held at CUTM, Paralakhemundi campus, Odisha.
- Mr. Gyanranjan Mahalik and Miss Kalpita Bhatta attended the Faculty Development Programme on “Intellectual Property Rights (IPR), R&D and Innovation in University system” at Bhubaneswar campus on 30th November 2019.
- Dr. Siba Prasad Parida was invited to chair a technical session in the National seminar organized by School of Forensic Sciences CUTM Bhubaneswar sponsored by (DST-SERB, on 14th and 15th December – 2019.
- Mr. Pradip Kumar Prusty and Mrs Sunita Satapathy presented their Research papers in International conference ICMSEA in the month of December -2019 held at Paralakhemundi campus Gajapati district Odisha India.
- All Staff and faculty members joined the Birthday celebration of Dr. Dojalisa Sahu, Head of the Department on 7th November 2019.
- Dr. Arun Kumar Pradhan’s Birth Day was celebrated on 3rd Dec 2019.
- Diwali was celebrated in the department with Diyas and Rangoli competition.
- Faculty performance incentives are given to faculty members publishing their papers in SCI/SCOPUS/UGC Journals.

The meeting ended with a Vote of Thanks to the Chair