



## **MINUTES OF THE GOVERNING BOARD OF THE CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA HELD ON DECEMBER 10, 2017, AT BHUBANESWAR CAMPUS**

The Following members were present:

1. Prof. MuktiKanta Mishra, President, CUTM	Chairman	Present
2. Prof. D N Rao, Vice President, CUTM	Member	Present
3. Prof. Haribandhu Panda, Vice Chancellor, CUTM	Member	Present
	Secretary	
4. Prof. Supriya Pattanayak, Dy Vice Chancellor, CUTM	Member	Present
5. Prof. Anita Patra, Registrar, CUTM	Member	Present
6. Shri G. V. V. S. Sharma, IAS, Principal Secretary	Member	Present
7. Prof. Omkar Nath Mohanty	Member	Present
8. Prof. Sudhakar Panda	Member	Present
9. Dr. Rajat Kujur	Member	Present
10. Dr. D. P. Pattanayak	Member	Present
11. Prof. C.R Rao, Emeritus Professor, CUTM	Member	Present
12. Prof. Anurag, Pro VC , CUTM	Invitee	Present
13. Prof. M. L. Narasimham, Dean Academic Affairs, CUTM	Invitee	Present
14. Prof. H. K. Sahu, Director QA & Examination, CUTM	Invitee	Present
15. Shri. Binay Bose, CFO, CUTM	Invitee	Present

The leave of absence was granted to:

1. Shri Bhagirathi Badajena, Hon'ble MLA	Member
2. Smt. Basanti Mallick, Hon'ble MLA	Member
3. Dr. Mohan Kanda Member, IAS (Retd.)	Member
4. Shri. P.N.S.V Narasimham	Member
5. Shri. Aditya Sapru	Member
6. Shri. Karthick Sridhar	Invitee

The following agenda items were discussed in the meeting:

1. Welcome address by the Chairman
2. To confirm the minutes of the previous meeting of the Board of Governors held on 25<sup>th</sup> Nov 2016
3. To review the action taken on the decisions of the previous meeting of the Board of Governors
4. Report on the Activities of the University during the Academic year 2016-17
5. Income & Expenditure – An overview
6. Approval of the Academic matters: Course structure & syllabi
7. Approval of Academic Matters: New Programs

8. Ratification of MOUs signed with (December 2016 to Dec 2017)
9. Ratification of
  - a) all Appointments of Faculty/Staff during 1<sup>st</sup> July 2016 to 30<sup>th</sup> June 2017
  - b) Students intake strength and enrolled strength for 2017-2018 AY.
10. Academic & Examination related issues
11. Approval of list of Degree Recipients to be conferred the degrees in the 5<sup>th</sup> Convocation of the University on 11th Dec 2017
12. Approval of Gold Medal list for the year 2017
13. Financial plan & the budget for the Academic year 2018-19
14. Any other point with the permission of the Chair

## **1. WELCOME ADDRESS BY THE CHAIRMAN OF THE GOVERNING BOARD**

The Chairman welcomed all the members and invitees to the meeting of the Governing Board and briefed about the new developments in the University. He highlighted the following points.

- The University is in the path of growth both horizontal and vertical.
- All the effort of the University has been to be a Skill Based University. It has also been conferred the Skill University status through a Gazette notification in August 2017.
- It was informed that the University has planned to open a new campus in Balasore.
- University has implemented the Learning Record for students, wherein the student writes his/ her learning for each class for both theory and practice courses. University plans to implement the Learning record for Teachers as well as the Teaching records wherein the teacher will record the pedagogy used in teaching.
- A lot of emphasis has been given to Community interventions by students as a part of their curriculum.
- International students from Deakins University, Australia, Victoria University, Australia and University of California, Santa Cruz have come for student exchange programs.
- Centurion University becomes the first e-automobile manufacturer in Eastern and North-Eastern India. It is the first company to come up from the incubation center.
- The President stressed on the need to connect teaching and learning with practical, hands-on applications; to encourage both students and faculty to think outside the circle, which is a continuous process at Centurion.

### **Suggestions by Board Members:**

- More practice courses for the laggarads. CBCS curriculum provided an opportunity to take more credits through projects.
- For the B. Tech students, remedial approach to be taken up. Generally, students may not have done their, 11<sup>th</sup> & 12<sup>th</sup> classes well, hence Bridge courses needs to

be implemented just before the starting of first semester. 11<sup>th</sup> & 12<sup>th</sup> class books may be kept in the hostels for the benefit of the students.

- University can take up Mentorship by IITs & NIISER etc.
- Technology enabled teaching and use of open course ware will help in quality teaching.
- Teachers may be sent to industry for training.
- Courses in Social Sciences and Languages to be introduced for all Professional courses.

## **2. TO CONFIRM THE MINUTES OF THE PREVIOUS MEETING OF THE GOVERNING BOARD**

Since no comment was received from the members of the Governing Board, the minutes of the previous meeting as presented by the Vice Chancellor was ratified by the Board unanimously.

The Chairman signed the minutes.

## **3. TO REVIEW THE ACTION TAKEN ON THE DECISIONS OF THE PREVIOUS MEETING OF THE BOARD OF GOVERNORS**

The Vice Chancellor briefed on the action taken on the decisions taken in the previous meeting of the Board of Governors.

## **4. REPORT ON THE ACTIVITIES OF THE UNIVERSITY FOR THE ACADEMIC YEAR 2016-17**

The Vice Chancellor presented the Activities of the University for the Academic year 2016-17 with following highlights.

1. Centurion University of Technology and Management (CUTM), Odisha got the recognition as the 'Skill University' by the Government of Odisha through 30<sup>th</sup> August 2017 Gazette notification.
2. CUTM, Odisha Facilitated establishment of the Centurion University, Andhra Pradesh in the state of Andhra Pradesh. A 60 Acre campus in the foothills of Eastern Ghats is under development at Vijayanagaram.
3. University Grants Commission awarded 12B status on 26<sup>th</sup> December 2016 (Already received NAAC Grade 'A' in 2015).
4. The Skill Development and Technical Education Department of the Government of Odisha approved, through a competitive bidding process, the establishment of the Institute for the Training of Trainers (ITOT) at its Bhubaneswar Campus with a viability gap funding of Rs 2.9 crore.

5. Having fulfilled all the conditions stipulated under National Employability Enhancement Mission (NEEM) 2017, Centurion University has been recognized as NEEM facilitator. Thus, the University can offer on the job practical training to enhance the employability of a person either pursuing or discontinued his/her graduation/diploma in any technical/non-technical stream.
6. The University offers 2 Certificate, 11 diploma, 36 undergraduate and 33 postgraduate and doctoral programs through Schools of Agriculture, Applied Sciences, Architecture and Planning, Engineering, Management, Media and Communication, Paramedics and Allied Health Sciences, Pharmacy and Life Sciences and Vocational Education and Training located in four constituent campuses across Odisha, at Paralakhemundi, Bhubaneswar, Rayagada and Bolangir with a student strength of 8965 as on November 2017.
7. During the year, four new schools such as School of Forensic Sciences, School of Education, School of Open and Distance Education and School of Mining have been started. In 2017, the University launched new courses, such as M.Sc.Ag in Agronomy, Agricultural Extension and communication, Horticulture (Vegetable science), Molecular Biology and Biotechnology, Genetics and Plant Breeding; and B. Sc. (Fisheries Science).
8. The University has established a state-of-the-art Allied Health Sciences and Paramedics Learning Laboratory. The laboratory is equipped to offer short, medium and long term programs in Clinical Medical Research, General and Emergency Trauma Care, Optometry and Vision Science, Radiology and Imaging Technology. School of Agriculture has established biotechnology lab, Biofertiliser and Biopesticide Unit, Mushroom production Centre, Bakery Unit, Dairy and Dairy Processing Units.
9. The domain based teaching in different disciplines has been further strengthened with deeper and wider industry partnerships. The students and faculty learn the linkage of Teaching, Training, Production and Productivity by practicing it in the University through their Lived in Experience.
10. Learning records for students are maintained for better learning and its traceability.
11. Student specific action plans for timely graduation and realization of career objective are used as tools for mentoring by the faculty.

12. Teaching-learning records for faculty are being planned for better learning and its traceability.
13. CUTM has created Centers of Excellence in Renewable Energy and Environment, Material Science, Organic Agriculture and Value Addition, and Indigenous Knowledge System. These Centers and social enterprises that the University has set up help in solving real life problems faced by the community through development of skilled manpower and appropriate technologies
14. The Center for Renewable Energy and Environment has
  - a. Developed Solar energy operated drip irrigation system, Solar fish dryers, and Solar energy operated sugar cane juice extractors
  - b. Executed ‘Suryamitra Skill Development Programme’ and ‘Clean Energy Entrepreneurship Development Program’ to develop more than 150 skilled work force and 10 Clean Energy Entrepreneurs in the state of Odisha for exploiting solar energy in partnership with Ministry of Nonconventional and Renewable Energy, Government of India, Odisha Renewable Energy Development Agency, SELCO Foundation, Schneider Electric and Harsha Trust.
  - c. Undertaken repair of distribution transformers in its workshops
  - d. Taken up erection of grid interactive solar power plant of half a Megawatt capacity each in its Bhubaneswar and Paralakhemundi campuses in association with the supplier.
15. The Centre for Organic Agriculture and Value Addition has
  - a. Undertaken Biofertiliser and biopesticide production in the campus and outside
  - b. Development of 114 Qualification Packs and training modules, and 110 Community Resource Persons (CRPs) for production and marketing of biofertilisers and biopesticides in the state with support from National Skill Development Corporation and a number of non-governmental organisations.
16. The University trained 7502 Anganwadi Workers belonging to Anganwadi Centres across 12 districts of Odisha on ‘mother tongue based multilingual early childhood care and education’. This was conducted in collaboration with the “Women and Child Development Department, Govt. of Odisha” and with support from Bernard van Leer Foundation (BvLF).
17. The University own the Norwegian Centre for International Cooperation in Education (SIU) award for a four year Partnership Programme, starting 2018, with the Norwegian University of Science and Technology (NTNU) for Sustainable Entrepreneurship and Skill Integrated Education.

18. Between 2011 and 2017, the University filed 17 patents from its action research.
19. The University publishes a half yearly journal, ‘Centurion Journal of Multidisciplinary Research’, to promote in-house and context specific research.
20. Between 2011 and 2017, 151 students in Science and Engineering, and 90 students in Management and Social Science have registered in doctoral program. Out of it, 25 candidates have received their PhD and 10 students have submitted their final dissertation.
21. In 2016-17, the faculty of the University had 58 publications in national and international journals.
22. The University has adopted a concept of ‘Adarsh Gram’ to promote sustainable livelihood security and quality of life of village communities around its campuses. While the concerned community remains the prime mover in realizing such an objective, the University plays a facilitator’s role. Key members of the University community, i.e. students, faculty and staff remain actively engaged in system design, execution, monitoring and evaluation. Each activity under the project is integrated into the teaching and training programs that the University offers. The neighboring villages play the role of field schools for experiment and application of various concepts and processes. The interventions in the villages will meet the requirements of United Nations Sustainable Development Goals (SDGs). Patikota village near Paralakhemundi campus is the pilot case in implementation of six dimensions of development such as Education, Health, Livelihood, Natural Resources, Infrastructure and Governance.
23. The University closely works with its social entrepreneurial outreaches **Bapuji Rural Enlightenment and Development Society (BREDS)** and **Harsha Trust** for its action research and to promote sustainable livelihood security of the underprivileged sections of society in North coastal Andhra Pradesh and South Odisha.
24. **Centurion Science & Technology Entrepreneurship Facilitation Centre**, a Section 8 Company promoted by the University, popularly known as Urban Micro-Business Centre (UMBC) has become a center for research and learning activities for students of management and engineering from India and abroad. Till 2017, it trained 370 potential entrepreneurs from chronically poor families for undertaking micro businesses. Further, it supported 35 women with low interest loans through established bank linkages. The Centre has directly impacted life and livelihood of more than 100 families in Kargil Basti.

25. **Gram Tarang Employability Training Services Pvt. Ltd. (GTETS)** a social entrepreneurial initiative of the University is active in skill development and vocational education of youth and physically challenged persons, for employment and self-employment, primarily from disadvantaged areas of East & North East India. It brings in industry partnerships for joint skill programs and placements; undertakes actions for alignments with the requirements of Qualification Pack, National Occupational Standard (NOS) and Sector Skill Councils (SSCs); and implements programs through mobilization, centre Setup, training, placement and post placement support. It mainly works in Automotive, Manufacturing, Civil Construction, Mining, Electrical & Electronics, Apparel & Textiles, Retail & Hospitality, Paramedics, IT & ITeS industries.
26. Two incubatees of the Centurion University working in GTETS received the trade certificate for production of E-Autorickshaw from Odisha State Transport Authority after the approval from International Centre for Automotive Technology, Mannesar, Haryana.
27. **The Gram Tarang Inclusive Development Services Pvt. Ltd. (GTIDS)**, another social entrepreneurial initiative of the University is active in Financial Inclusion space. It works in 15 states of India in over 26,000 villages as business correspondent for Technology Service Provider (TSP) Atyati & TCS on behalf of 14 Banks as on October 2017. GTIDS opened more than 1.6 Crore no-frills accounts, including 71 Lakh accounts under Pradhan Mantri Jan Dhan Yojana .
28. **Gram Tarang Foods Pvt. Ltd. (GTF)**, another Social Enterprise of Centurion University dedicated to producing high quality spice extracts supports local value addition, local market creation and market linkage for farmers. The faculty and students of the University have been successful in designing, fabricating, erecting, testing and commissioning of high pressure stainless steel heat exchangers used in the plant.
29. **The Center for Assessment and Certification**, another social enterprise of the University undertakes assessment of skill courses and recognition of prior learning in Odisha, Andhra Pradesh, Telangana, Madhya Pradesh, Chhattisgarh, Himachal Pradesh, West Bengal and other states. The Centre is recognised by the Ministry of Skill and Entrepreneurship Development (MOSED), Government of India. It works closely with a number of Sector Skill Councils such as Automotive, Telecom, Tourism & Hospitality, Furniture & Fittings, Electronics, Agriculture, Retailers Association, Plumbing and Health.

30. Two groups of students from Australia First Nation (aborigines) visited Centurion University in October and November and got engaged in classroom training, action learning labs, social enterprises and cultural excursions. This visit was the result of the collaboration between Centurion University, Wadeye Northern Territory and TAFE New South Wales and supported by the Australian Government through their Outward Bound Mobility Programme.
31. Conferences were organised
- Sixth International Conference on Gerontological Issues and Higher Education
  - Ninth International Conference on Hydro-Gramin Technology (Sustainable Agriculture, Rural Development and Livelihood Improvement) was organized in collaboration with the International Institute of Bengal Basin (IIBB), California, USA
  - National conference on Zero Effect and Zero Defect for MSME sector was organised in collaboration with the Utkal Chamber of Commerce and Industry and Quality Council of India.
  - Kissan Mela cum Exhibition - 2017 was held by the School of Agriculture at its Paralakhemundi Campus on 8th March, 2017 in collaboration with CARE India. More than 1000 farmers with their spouses participated in the fair and got exposed to different farmer friendly sustainable agriculture technologies and package of practices.
  - Third Chandrabhaga Poetry Festival
  - International conference on Religion in Digital Asia
  - Commonwealth of Learning Canada Course Writers' Workshop on Media and Communication
32. To enhance teaching-learning effectiveness, bright and enthusiastic students are encouraged to undertake peer teaching. The University is planning to offer "Student Teacher Domain" where students will teach courses to their juniors and to those having back paper. The process is expected to give interested students a platform to experience teaching and motivation for a career in teaching.
33. Two students of 3rd year Computer Science Engineering, Mr. Chaduvula Prasanth and Mr. Anni Viswa Chandan of Paralakhemundi campus have got a start up 'Teeny Hopper Solutions Pvt. Ltd.', an aggregator of all aggregators. The Company can receive orders from anywhere and at any time with a simple SMS or Email and the product or service is delivered at the doorstep. The objective is to improve the market access and last mile supply chain.



34. 17 students of the School of Agriculture qualified in Junior Research Fellowship examination in June 2017.

## **5. OVERVIEW OF INCOME AND EXPENDITURE FOR THE YEAR 2016-17**

The CFO gave an overview of income and expenditure of the University for the financial year 2016-17.

## **6. APPROVAL OF THE ACADEMIC MATTERS: APPROVAL OF COURSES & SYLLABI**

The analysis of the feedback on curriculum taken from all the stakeholders, viz. Students, Teachers, Alumni, and Employers was briefly presented by Dean Academics. Based on it the modification of syllabus was discussed and made in Board of Studies and Academic Council.

The course structure and syllabus for 2017-18, which was approved by the Academic Council, was presented for approval to the Board members by Dean Academics.

The Dean, Academic Affairs, presented key academic matters, as below, for approval. The courses are from SoM, SoAS, SoET, SoVET, SoPLS, SoPAHS, SoFS, SoDE. The courses presented for approval are as follows:

- B. Tech.- (CSE, ECE, EEE, EE, Civil Engg., Mech. Engg., Petro Chemical Engg.) - Domain Based Curriculum as per CBCS
- B. Tech.- CSE (Cloud Technology and Information Security) and CSE(Cloud Technology & Mobile Application) in collaboration with INurture
- B. Tech Mining
- B. Tech (Agriculture)
- M. Tech. (Industry Integrated Programme)
  - i. M. Tech. in Automotive Engineering (Mech. Engg.)
  - ii. M. Tech. in Internet Security (CSE)
  - iii. M. Tech. in Data Analytics (CSE)
  - iv. M. Tech. in VLSI Design (ECE)
  - v. M. Tech. in Embedded System (ECE)
  - vi. M. Tech. in Renewal Energy
- M. Tech. by Research
- B. Sc. 2nd yr& 3rd year (Physics/Chemistry/Mathematics/ Zoology/ Botany)
- B. Sc. (IT) 2nd Yr& 3rd Yr- (Cloud Technology and Information Security) in collaboration with INurture
- M. Sc. 1st Yr& 2nd year(Physics/Chemistry/ Botany/ Zoology)
- M. Sc. IT (1st & 2nd Year)
- BCA 2nd & 3rd Year Syllabus
- M.Phil (Physics/Chemistry/Mathematics) Syllabus
- MBA

- MBA (Data Analytics)
- MBA (Agri Business)
- MBA (Development Management)
- MBA (Digital Marketing & E-commerce)
- MBA (Hospital Management)
- BBA, BBA (FS)
- B. Com./ B. Com. (Banking & Accounting)
- Diploma in Mining / Diploma in Engg. (Mechatronics/ Mechanical/ Electrical/ Automobile/ Civil)
- B.Sc. Hons. (Agriculture) 1st to 4th year syllabus
- B. Sc. (Fisheries)
- M. Sc. (Agriculture)
  - i. M. Sc. (Agronomy)
  - ii. M. Sc. (Agricultural Extension)
  - iii. M. Sc. (Horticulture)
  - iv. M. Sc. (Genetics and Plant Breeding)
- B. Pharma
- Msc. (Forensic Science)
- BSc (Optometry)3<sup>rd</sup> Year syllabus
- Paramedics & Allied Health Sciences
  - i. B. Sc. / M. Sc. - Medical lab. Technology, Radiology & Imaging Technology, Microbiology
  - ii. Diploma- Medical lab. Technology, Radiology & Imaging Technology
  - iii. Certificate- Medical lab. Technology, Radiology & Imaging Technology
- Open and Distance Education
  - i. BBA
  - ii. MBA

The syllabus was approved by the members of the Board.

## 7. APPROVAL OF ACADEMIC MATTERS: NEW PROGRAMS 2018-19

The Deans Academics presented the following new programmes for approval.

1. B. Sc. Interior Design: A 3 year programme – total of 142 credits spread across 6 semesters.
2. M.Sc Ag Horticulture (Vegetable Science) – 30 seats, M.Sc. Ag (Agronomy) – 30 seats, M.Sc. Ag (Genetics and Plant Breeding) – 30 seats, M.Sc. Ag (Agricultural Extension & Communication) – 10 seats.

The above programmes were approved by the board.

**8. RATIFICATION OF MOUS SIGNED FROM NOVEMBER 2016  
TILL 10<sup>TH</sup> DECEMBER 2017**

The following MoUs are ratified by the Board:

1. MoU with VISKATOONS, Australia to exchange know-how of training and education – 25-08-2016
2. MOU with GIT INDIA BANGLORE- 21-09-2016
3. MOU with NATIONAL SMALL INDUSTRIES CORPORATION, NEW DELHI - 15.12.2016
4. MoU with NSDC for setting up Livelihood Business Incubation (LBI) – 15-12-2016
5. MoU with AP Govt.
6. MoU with RAMADEVI WOMENS' UNIVERSITY, BBSR - 23-12-2016
7. MoU with ODISHA SCHEDULED CASTE & SCHEDULED TRIBE DEVELOPMENT FINANCE CO-OPERATIVE CORPORATION LTD. (OSFDC) - 12-01- 2017
8. MOU WITH IDEA, VSKP - 10-03-2017
9. MoU with DEAKIN UNIVERSITY AND WDHC (Australia) – 23-03- 2017
10. MoU with NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (NTNU)- 28-03- 2017
11. MoU with GUJARAT FORENSIC SCIENCES UNIVERSITY, GUJARAT-29-04-2017
12. MoU with ILLUMINE KNOWLEDGE RESOURCES PVT. LTD.-02-06-2017
13. MoU with UNIVERSITY OF WESTERN AUSTRALIA – 27-06- 2017
14. MoU with HAMARA BACHPAN TRUST, Bhubaneswar, Odisha – 25-07- 2017
15. MoU with Apparition Pvt. Ltd. - 29.07.2017
16. MoU with UNITY TECHNOLOGIES APS-28-08-2017
17. MoU with DEDICATED AGRI SERVICES PRIVATE LIMITED, MUMBAI - 14-09-17
18. MoU with MOTO CORP., MADHYA PRADESH -26-09-2017
19. MoU with NATIONAL SKILL DEVELOPMENT CORPORATION, New Delhi – 17-10- 2017
20. MoU with A1 Fidelity Service Pvt. Ltd., New Delhi -24.11.17
21. MoU with International Institute of Bengal & Himalayan Basins (IIBHB), Berkley, California – 1.12.2017
22. MoU with Nandankanan Biological Park, of Nandankanan Zoological Park, Barang, INDIA – 4.12.17

**9. RATIFICATION OF**

**A) FACULTY/STAFF APPOINTMENTS FROM 1<sup>ST</sup> JULY 2016 TO 30<sup>TH</sup> JUNE 2017**

The Governing Board approved the appointments of Faculty/Staff during 1st July 2016 to 30th June 2017.

The required faculty strength for 2017-18 AY is 260 as per the students intake.

The faculty strength after recruitment for the year is 259.

## **B) STUDENTS INTAKE STRENGTH AND ENROLLED STRENGTH FOR 2017-18 AY**

The Vice Chancellor presented the student intake strength and the enrolled strength for approval by Board members.

The same was approved by the members of the Board.

Students Strength	Under graduate	Post Graduate	Diploma
Intake seats	1159	455	400
Enrolled strength	1107	400	382

## **C) ACADEMIC & EXAMINATION RELATED ISSUES**

The Vice Chancellor presented the following to the Board members

1. At Centurion University, we believe, education cannot be one time affair; and skill and knowledge cannot be put in isolated compartments. We are on the path of imparting education that is inclusive, continuous and lifelong; with integration of knowledge and skill at all levels. Our empanelment under National Employment Enhancement Mission (NEEM) and approval of the status of Skill University by the Government of Odisha through a rigorous 16 point process (Gazette notification 30<sup>th</sup> August 2017) increase our resolve in the above direction.
2. Skill integrated education is offered as per National Skill Qualification Framework (NSQF) for Diploma, Degree and Post-graduate programs of various Schools. In case of gap in pre-required education for a particular skill development program, curriculum of National Institute of Open Schooling (NIOS) is used to bring the students up to appropriate educational level required for that skill.
3. About 40% of total Credit load is domain specific skill courses taught in inside the industry/Workshop/Laboratory. Balance is taught in practice mode. The course design, delivery and assessment is done with the support of professionals from domain specific industry partners

4. Learning records are maintained by students for traceability of learning. Live Projects (sponsored by industry and University) of practical value to industry and community have been made mandatory. Domain specific industry partners have their presence in the University campus in different forms (Industry owned workshops and training centers; Dedicated industry scale workshops and centres that is involved in production as per the industry demand). Some of the domains covered by engineering include: Distribution transformer, Industrial Automation, Transmission and Distribution system O&M, Communication system, Embedded systems, VLSI, Automotive Product Design, Refrigeration and Airconditioning, Software technology, Data Analytics, Construction planning and management, Geospatial Technology, Solar and bioenergy, Automobile design and maintenance, Conventional machine and CNC, Welding and Inspection, AR, VR and Gaming.
  
5. A combination of NIOS, RPL (Recognition of Prior Learning) and work integrated degree program are in operation in collaboration with industry partners CCD for BBA (R&H) and GTIDS for BBA (F&FI). Work integrated degree program is being offered in collaboration with industry partner (ICA) for BBA (F&A). Work integrated master program (MBA in Development Management) is also being offered in collaboration with a group of Civil Society Organisations and Social Enterprises. The University is active in demand production (workshops are registered with DIC and other appropriate authorities) and joint skill development programs with more than 45 companies. These include
  - Automotive Sector with Ashok Leyland, Hyundai, Volvo, Eicher, Yamha, BEML
  - Manufacturing Sector with Eicher, Godrej Appliances, Godrej Interior, Schneider Electric
  - Apparel and Textile Sector with Arvind, Kannapiran, GAP PACE, Raymonds
  - Services sector with Aegis, CCD, Four Fountains, Uber, SELCO
  
1. The University is engaged with context specific and action research in partnership with the Industry and community. These include Clean energy system in villages, Decentralised electricity supply in villages, Clean drinking water supply, Agriprocessing, Organic farming, Biofertiliser and biopesticide production, sustainable livelihood security models in on-farm, off-farm and non-farm sectors, micro and nano entrepreneurship development in rural and urban slums, etc.
  
2. The University is actively involved in Entrepreneurship and Enterprise development in areas such as Skill development and Employability enhancement, Skill assessment, Financial Inclusion, Agri-food processing, Testing services,

- Apparel manufacturing, Last-mile Supply Chain, Urban micro-business facilitation services, E-Rickshaw, Composting Unit, Organic Research Farm, Mushroom unit, Hydroponics Laboratory, Bio fertilizer Unit, Mini Dairy unit, Bakery unit, Plant Tissue Culture Laboratory, Livestock unit, Seed Processing Unit, Renewable energy product development, Transformer repair services, Handmade paper production, Wood engineering, Bread making, Snacks, Coffee powder, etc.
3. Faculty development is continuously undertaken through Industry immersion, Co-delivery of courses (with industry experts), Skill certification from SSCs, Participation in world skill competition, Teaching Record and Learning Record for traceability.
  4. Teaching and learning effectiveness is being improved through Skill courses in different domains, Internship and Context specific projects. Cohabitation, co-learning and competition of students from different levels and programs are resorted to through increased diversity, improved pace of learning, enhanced self-esteem and increased empathy towards differently abled and excluded.
  5. During the year, four new schools such as School of Forensic Sciences, School of Education, School of Open and Distance Education and School of Mining have been started.
  6. In 2017, the University launched new courses, such as M.Sc.Ag in Agronomy, Agricultural Extension and communication, Horticulture (Vegetable science), Molecular Biology and Biotechnology, Genetics and Plant Breeding; and B. Sc. (Fisheries Science).
  7. The domain based teaching in different disciplines has been further strengthened with deeper and wider industry partnerships. The students and faculty learn the linkage of Teaching, Training, Production and Productivity by practicing it in the University through their Lived in Experience.
  8. Learning records for students and teaching-learning records for faculty are maintained for better learning and its traceability. Student specific action plans for timely graduation and realization of career objective are used as tools for mentoring by the faculty.
  9. To enhance teaching-learning effectiveness, bright and enthusiastic students are encouraged to undertake peer teaching. The University is planning to offer

- “Student Teacher Domain” where students will teach courses to their juniors and to those having back paper. The process is expected to give interested students a platform to experience teaching and motivation for a career in teaching.
10. Through ‘Suryamitra Skill Development Programme’ and ‘Clean Energy Entrepreneurship Development Program’, the Centre for Renewable Energy and Environment could develop more than 150 skilled work force and 10 Clean Energy Entrepreneurs in the state of Odisha for exploiting solar energy in partnership with Ministry of Nonconventional and Renewable Energy, Government of India, Odisha Renewable Energy Development Agency, SELCO Foundation, Schneider Electric and Harsha Trust.
  11. The University has undertaken repair of distribution transformers in its workshops. It is in the process of developing a cadre of skilled manpower for preventive maintenance of transformers in rural area, thus increasing electric power availability.
  12. The Centre is facilitating erection of grid interactive solar power plant of half a Megawatt capacity each in its Bhubaneswar and Paralakhemundi campuses.
  13. The University trained 7502 Anganwadi Workers belonging to Anganwadi Centres across 12 districts of Odisha on ‘mother tongue based multilingual early childhood care and education’. This was conducted in collaboration with the “Women and Child Development Department, Govt. of Odisha” and with support from Bernard van Leer Foundation (BvLF).
  14. The University own the Norwegian Centre for International Cooperation in Education (SIU) award for a four year Partnership Programme, starting 2018, with the Norwegian University of Science and Technology (NTNU) for Sustainable Entrepreneurship and Skill Integrated Education.
  15. The University has adopted a concept of ‘Adarsh Gram’ to promote sustainable livelihood security and quality of life of village communities around its campuses. While the concerned community remains the prime mover in realizing such an objective, the University plays a facilitator’s role. Key members of the University community, i.e. students, faculty and staff remain actively engaged in system design, execution, monitoring and evaluation. Each activity under the project is integrated into the teaching and training programs that the University offers. The neighboring villages play the role of field schools for experiment and application of various concepts and processes. The interventions in the villages will meet the

requirements of United Nations Sustainable Development Goals (SDGs). Patikota village near Paralakhemundi campus is the pilot case in implementation of six dimensions of development such as Education, Health, Livelihood, Natural Resources, Infrastructure and Governance.

16. Two groups of students from Australia First Nation (aborigines) visited Centurion University in October and November and got engaged in classroom training, action learning labs, social enterprises and cultural excursions. This visit was the result of the collaboration between Centurion University, Wadeye Northern Territory and TAFE New South Wales and supported by the Australian Government through their Outward Bound Mobility Programme.

#### **D) APPROVAL OF LIST OF DEGREE RECIPIENTS FOR CONVOCATION 2017**

The Director (QA&E) presented the list of degree recipients who will be awarded degrees during the convocation on 11<sup>th</sup> Dec 2017. The Governing Board approved the same. The mix of degree recipients is as below.

<b>SL. No</b>	<b>Program</b>	<b>Batch</b>	<b>Total No. of degree recipients</b>
1	PhD.	Admission Batch 2011-12	10
		2012-13	13
		2014-15	2
2	M. Tech.	2015-17	29
3	MBA	2015-17	45
4	MDM	2015-17	10
5	M. Sc.	2015-17	64
6	B. Tech	2013-17	554
7	B. Tech (Ag)	2013-17	6
8	B. Sc	2014-17	159
9	B. SC. (Ag)	2013-17	237
10	Diploma	2014-17	201
11	Diploma (Ag)	2015-17	11
12	CMLT	2016-17	2
		Total	1343

The Annual report on examination (2016-17 AY) was presented by Director, Quality Assurance & Examinations and same was approved by the Board.



## **E) APPROVAL OF GOLD MEDAL LIST FOR THE YEAR 2017**

The Director (QA&E) presented the list of Gold Medalists who will be awarded medals during the convocation on 11<sup>th</sup> December 2018. The Governing Board approved the same. The mix of medal recipients is as below.

Total 16 Gold medalists for the year 2017

- MBA-1 No.
- M.Tech.-1 No.
- B.Tech.-6 Nos.
- Diploma – 1 No.
- B.Sc. – 4 No.
- B. Sc. Ag – 1 No.
- M.Sc. – 2 No.

## **F) FINANCIAL PLAN & THE BUDGET FOR THE ACADEMIC YEAR 2017-18**

The CFO presented the financial plan and the budget for the academic year 2017-18. The Governing Board approved the same.

## **G) ANY OTHER POINT WITH THE PERMISSION OF THE CHAIR**

- Vice Chancellor presented the **Policy for Promotion of Research** to the Board Members. The members of the Board approved the same. The policy has been implemented from May 2017 onwards.
- **The Seed Money Policy** was presented by Vice Chancellor and same was approved by the Board. The Seed Money fund will be announced soon by Director Research.
- Vice Chancellor **Consultancy Policy** was presented and discussed with the members. This would be implemented from May 2017.
- **The Admission Policy for the year 2017, the Scholarship Policy 2017, the Reservation Policy 2017, the E-governance report were presented by the Vice Chancellor for approval by the members of the Board Members.**  
The same were approved by the Board Members.
- Vice Chancellor discussed the newly drafted **Green Policy of the University**. The same would be finalised with suggested and would be implemented immediately.
- The President informed the members that the campus would go for **Energy conservation with Solar based installations** for power saving.

Since there were no other points for discussion, the meeting ended with a vote of thanks to the Chair.

*Anita Patra*

**REGISTRAR**

(CUTM, Paralakhemundi)



## **MINUTES OF THE GOVERNING BOARD OF THE CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA HELD ON NOVEMBER 20, 2018, AT BHUBANESWAR CAMPUS**

The Following members were present.

1. Prof. Mukti Kanta Mishra, President, CUTM	Chairman
2. Prof. D N Rao, Vice President, CUTM	Member
3. Prof. Haribandhu Panda, Vice Chancellor, CUTM	Member
4. Prof. Supriya Pattanayak, Dy. Vice Chancellor, CUTM	Member
5. Prof. Omkar Nath Mohanty	Member
6. Prof. Sudhakar Panda	Member
7. Dr. Rajat Kujur	Member
8. Prof. C. R. Rao, Emeritus Professor	Member
9. Prof. Rajdeep Mohanty, Pro VC, Placement	Invitee
10. Prof. Anurag, Pro VC, Learning	Invitee
11. Prof. P. K. Mohanty, Dean Academic	Invitee
12. Prof. Jyoti Sayantani, Dy. Director QA & Examination	Invitee
13. Shri Prasant Das, CFO	Invitee
14. Shri Bata K. Tripathy, Ombudsman	Invitee
15. Prof. Anita Patra, Registrar	Member Secretary

The leave of absence was granted to:

1. Shri Bishnupada Sethi, IAS, Commissioner cum Secretary	Member
2. Shri Bhagirathi Badajena, Hon'ble MLA	Member
3. Smt. Basanti Mallick, Hon'ble MLA	Member
4. Dr. Mohan Kanda Member, IAS (Retd.)	Member
5. Shri. P.N.S.V Narasimham	Member
6. Shri. Aditya Sapru	Member
7. Dr. D. P. Pattanayak	Member

The following agenda items were discussed in the meeting.

1. Welcome address by the Chairman
2. To confirm the minutes of the previous meeting of the Board of Governors held on December 10 2017
3. To review the action taken on the decisions of the previous meeting of the Board of Governors
4. Report on the Activities of the University during the Academic year 2017-18

5. An Overview of Annual Statement of Accounts 2017-18
6. Approval of the Academic matters: Course structure & syllabi
7. Approval of Academic Matters: New Programs
8. Ratification of MOUs signed with (December 2017 to Nov 2018)
9. Ratification of
  - a) all Appointments of Faculty/Staff during 1<sup>st</sup> July 2017 to 30<sup>th</sup> June 2018
  - b) Students intake strength and enrolled strength for 2018-2019 AY.
10. Approval of List of Degree Recipients in the 6<sup>th</sup> Convocation of the University to be held on 1<sup>st</sup> Dec 2018
11. Approval of Gold Medal recipients for the year 2018
12. Budget for the Financial year 2018-19
13. Any other point with the permission of the Chair

## **1. WELCOME ADDRESS BY THE CHAIRMAN OF THE GOVERNING BOARD**

The Chairman welcomed all the members and invitees to the meeting of the Governing Board and briefed about the new developments in the University. He highlighted the following points.

- The 6<sup>th</sup> Convocation of the University will be held at Parlakhemundi campus and Hon'ble Governor Prof. Ganeshi Lal would preside over it. The Chief Guest for the Convocation will be Prof. Barney Glover, Vice Chancellor, Western Sydney University, Australia. He will be accompanied by seven-member team for discussion about possible collaboration with Centurion University.
- Parlakhemundi campus was badly hit by cyclone "Titli" in October 2018. The campus lost more than 600 matured fruit bearing trees, agriculture research station and experimental fields, nursery, polyhouse, etc. The faculty and staff worked in warfooting and supported the community and the government in rehabilitation effort. University hosted the government and private agencies. The students, staff and faculty supported the relief activities in the district and brought compliments from the district administration, state and other government bodies and civil society.
- The process of getting accreditation from National Accreditation Board for Testing and Calibration Laboratories (NABL) for different laboratories of the University at Bhubaneswar campus is under progress.
- University has established a Centre for Renewable Energy in collaboration with SELCO, Bangalore for product innovation and application in the areas of education, health and livelihood generation requiring clean energy access.

- Centurion University has received approval from the MOSDE, GoI to assess and certify trainers and trainees in different skills required for different sectors of economy, under National Skill Qualification Framework (NSQF). It has significance for enhancing employability of students of the University in teaching and training institutions and industries.
- Centurion University is rigorously pursuing its strategic intent of promoting Teaching, Training, Productivity and Production initiatives in a convergence mode. The motto of the University continues to be promotion of entrepreneurship, thus encouraging students to be their own employers. In addition, the University continues to create jobs with their own entities.
- MS Swaminathan School of Agriculture, along with Gram Tarang Employability Training Services Ltd. (GTET), has been successful in getting ATAL project, awarded by the MOSDE, GoI, to double farmers' income through appropriate skill development program. The scope of the project includes development of 200 Krishi Udyog Sahayaks, and training through them of 100,000 small and marginal farmers, in 200 blocks of Odisha in six months' time.

#### **Suggestions by Board Members**

- More practice courses need to be provided to the slow learners. CBCS curriculum, adopted by the University, will help in undertaking appropriate number of credits and right type of courses, considering students' specific capacity and needs. It was suggested to encourage such students to credit live projects, in lieu of theoretical courses.
- For the engineering students, it was suggested to provide bridge courses for those who are relatively weak in mathematics and science, to make up competency gaps, if any.
- Considering the physical proximity of national level institutions such as IIT & NISER; Centurion University must take advantage by establishing personal rapport with individual faculty and institutional relationships.
- Faculty and students need to be encouraged to undertake technology enabled teaching and use of open course ware for enhancing teaching-learning process.
- Teachers need to be sent to industry for training.
- Considering the need for building a wholesome personality and citizenship among students, all professional programs must have adequate number of high quality

courses in Social Sciences and Languages. Establishment of the School of Humanities and Social Sciences must be undertaken with seriousness.

**2. TO CONFIRM THE MINUTES OF THE PREVIOUS MEETING OF THE GOVERNING BOARD**

Since no comment was received from the members of the Governing Board, the minutes of the previous meeting as presented by the Vice Chancellor was ratified by the Board unanimously.

The Chairman signed the minutes.

**3. TO REVIEW THE ACTION TAKEN ON THE DECISIONS OF THE PREVIOUS MEETING OF THE BOARD OF GOVERNORS**

The Vice Chancellor briefed on the action taken on the decisions taken in the previous meeting of the Board of Governors.

**4. REPORT ON THE ACTIVITIES OF THE UNIVERSITY FOR THE ACADEMIC YEAR 2017-18**

The Vice Chancellor presented the Activities of the University for the Academic year 2017-18 with following highlights.

**a) Recognitions**

- i. Government of Odisha has given Skill University Status to Centurion University in August 2017.
- ii. CUTM received approval from AICTE to become a facilitator in the National Employability Enhancement Mission (NEEM). It has signed up with 12 manufacturing companies and have over 1,000 students engaged in the Work Integrated Skill Training & Apprenticeship programs under NEEM & Flexi MoU.
- iii. The M.S. Swaminathan School of Agriculture was given “Best Institute” award for 2018 by All India Agriculture Students Association (AIASA) during its 3<sup>rd</sup> annual meeting held at Assam Agricultural University, Jorhat on 22 Feb, 2018.
- iv. In October 2018, Indian Council of Agricultural Research (ICAR) issued Letter of Intent (LOI) for its forthcoming Assessment and Accreditation.

**b) Courses Offered**

- i. The University offers 2 Certificate, 11 diploma, 39 under-graduate and 47 post-graduate and doctoral programs through different Schools with a student strength of 9521 as on November 2018.
- ii. Over the last two years, Centurion University's admissions have grown by over 40%. School of Paramedics and Allied Health Science, School of Applied Science and School of Agriculture have registered high growth.
- iii. In 2018, the University launched new courses, such as
  - Diploma in Community Health Practices in collaboration with Swasthya Swaraj, and Work Integrated Skill Training and Apprenticeship (WISTA);
  - B.Sc. (Horticulture), B. Tech. (Dairy Technology), B. Tech (Aerospace) and B. Tech (Automobile);
  - Integrated B.Sc. & M.Sc. (Medical Laboratory Technician);
  - PG Diploma in VLSI Design in collaboration with Tessolve Semiconductor;
  - M.Sc. Agriculture (Soil Science), M.Sc. Agriculture (Entomology), M.Sc. (Environmental Science);
  - Masters by Research; and
  - M. Phil (Botany) and M. Phil (Zoology)

**c) Teaching and Quality Assurance**

- i. Choice Based Credit System (CBCS) consolidated in engineering and applied science, and introduced in Diploma in engineering program.
- ii. Learning records for students and teaching-learning records for faculty are maintained for better learning and its traceability.
- iii. Student specific action plans for timely graduation and realization of career objective are used as tools for mentoring by the faculty.
- iv. The University conducts about 120 regular semester examinations for 34 programs in a year in which approximately 79000 answer-books are evaluated for 1645 subjects.
- v. In addition, there are 5 Examinations on Demand (EOD) in a year where students have a choice to register backlogs they want to clear.
- vi. In September 2018, the University conducted EOD for 329 subjects in a single day.
- vii. Systematic use of ICT helps in timely execution of assessment process while maintaining high quality.

**d) Research, Consulting and Outreach**

*i. Entrepreneurship Development*

- MSME and Start up Odisha have declared Centurion University and Gram Tarang as one of the Incubation Centers.
- More than 200 students participated with their unique ideas during Start Up Yatra organized by the Government of Odisha, out of which, ideas of 11 Students were selected for incubation at various Incubation Centers in Odisha.
- Presently, Gram Tarang has 19 incubatees registered under Start Up Odisha.
- The University's Centre for Innovators and Entrepreneurs (CIE) mentors the incubatees. CIE has organized more than 8 seminars, talks and workshops both in-house and at various places to help incubatees get desired exposure.
- The School of Vocational Education and Training (SOVET) has been spearheading innovations on the theme of 'waste to wealth'. They are at very advance stage of commercializing:
  - Low Cost Machine to Produce Eco-friendly Pens and Pencils from Waste News Paper.
  - Packaging Solution from Paddy Straw
  - Building Paver Block from Plastic Waste and Flay ash
  - Manufacturing "Mushroom Plastic from Agriculture Waste" as the future ecofriendly material for Packaging, Leather, Construction, and Furniture.

*ii. National Innovation Challenge Project*

- Since 2015, the School of Agriculture has been promoting organic agriculture through its National Innovation Challenge project from the Ministry of Skill Development and Entrepreneurship (MOSDE), Government of India.
- Developed 14 Qualification Packs (QPs) and training modules and 110 Community Resource Persons (CRPs) for production and marketing of biofertilisers and biopesticides in Odisha and AP with support from National Skill Development Corporation and a number of non-governmental organisations (Harsha Trust, SACAL and BREDS).

*iii. Project Atal – Recognition of Prior Learning of 1 lakh Farmers in Odisha*

- The project envisions creation of Development Service Network (BDN) for training & certification of 100,000 small and marginal farmers.
- To create a cadre of 200 Krishi Udyog Sahayaks (KUS) at grass root level across 200 blocks of Odisha.
- 18 Agriculture Sector Skill Council (ASSC) Qualification Packs will be used for training of KUSs in different SSC job roles.
- 75 RPL camps will become semi-permanent training cum production centres.



- 9 Farmer experience zones will be setup in Pradhan Mantri Kaushal Kendras (PMKKs).
  - Producer groups will be created among farmers & Last Mile Distribution Company (LMDC) to provide market linkage and enhance income by 50%
  - The project has the mandate to assess & certify the faculty and students of the School of Agriculture by the Agriculture Sector Skill Council of India (ASCI).
- iv. *Big Data and Agriculture*
- The School of Agriculture has initiated Centurion-Gram Tarang-Dassault Co-investment model with a goal of doubling farmers' income by use of farm and market data (soils, seeds, farm practices, weather, markets) through machine learning and big data algorithms.
  - The Proof of Concept (POC) was demonstrated to the Vice-Chairman, Dassault System, France. Dassault is actively considering incubating the venture in their ecosystem.
  - The Biotechnology Department of the School of Agriculture in collaboration with Dassault Systems is using BIOVIA Computational platform for R&D in in-silico. It will lead to discovery of new plant variety and metabolites against various diseases. The Department is in the process of developing nutraceutical fortified milk products. Broad areas of engagement include Homology modelling, Virtual screening and docking, QSAR, Pharmacophore, and FBDD.
- v. *Smart Agriculture Using Application of Drones and Internet of Things*
- School of Agriculture has taken up training and application development of Irrigation management using IOT and Robotics.
  - Drones are in application in the areas of identification of pests and diseases and their control.
  - The School is working in collaboration with Omniscient, Vizag, for this purpose.
- vi. *Farmers' Experience Zone on Wheel Using AR VR Technology*
- The School of Agriculture, in association with the School of Engineering, is into Unity Game design.
  - It has received a grant of Rs 38 lakh from Dassault System for this purpose. It has developed applications in the areas of Vermicompost, integrated farming systems and protected agriculture.
  - The University has deployed the technology in ATAL project funded by NSDC, Government of India.
- vii. *Farmers' Development Centre*
- The School of Agriculture, in association with eFresh, Hyderabad operates a model training centre for farmers, with potential for replication.

- It imparts training in the areas of crop production and post harvesting technologies for the crops grown in the region.
- The centre acts as one-stop solution for meeting the comprehensive input-needs of the farmers.

viii. *Collaborative Research with Himalaya Drugs*

- The School of Agriculture successfully completed the Pilot & Commercial plant projects including germination studies for medicinal weed crops.

ix. *Initiatives in the Area of Energy*

- Through ‘Suryamitra Skill Development Programme’ and ‘Clean Energy Entrepreneurship Development Program’, the Centre for Renewable Energy and Environment has developed more than 150 skilled work force and 10 Clean Energy Entrepreneurs in the state of Odisha for exploiting solar energy in partnership with Ministry of Nonconventional and Renewable Energy, Government of India, Odisha Renewable Energy Development Agency, SELCO Foundation, Schneider Electric and Harsha Trust.

- The University has undertaken repair of distribution transformers in its workshops. It is executing the order from Central Electricity Supply Undertaking (CESU) to manufacture 200 numbers of 11 kV/0.4 kV-100 kVA Distribution Transformers in the workshop. It is in the process of developing a cadre of skilled manpower for preventive maintenance of transformers in rural area, thus increasing electric power availability.

- The Centre is facilitating erection of grid interactive solar power plant of half a Megawatt capacity each in its Bhubaneswar and Paralakhemundi campuses.

x. *Patents and Publications*

- Between 2011 and 2018, the University filed 22 patents from its action research. Out of these 18 have been published and 4 are under scrutiny.

- Between 2011 and 2018, 302 students have registered in doctoral program. Out of it, 32 candidates have received their PhD.

- In 2017-18, the faculty of the University had 62 publications in national and international journals.

xi. *Community Outreach*

- The University has adopted a concept of ‘Adarsh Gram’ to promote sustainable livelihood security and quality of life of village communities around its campuses. Patikota village near Paralakhemundi campus is the pilot case in implementation

of six dimensions of development such as Education, Health, Livelihood, Natural Resources, Infrastructure and Governance.

- Under Unnat Bharat Abhiyan of the Ministry of Human Resource Development, Government of India, the University adopted 5 villages such as Barlanda, Badigam, Routpur, Jhampiguda and Engersingh in the Gajapati district.

*xii. Coping Natural Disaster and Supporting Community, Civil Society and Government in Rehabilitation*

- The severe cyclonic Storm ‘Titli’ with heavy rain fall and high wind speed devastated the Paralakhemundi Campus and the adjoining areas in Gajapati district on 11th October 2018. The campus lost more than 600 matured fruit bearing trees, agriculture research station and experimental field, nursery, poly houses, dairy farms, aquariums, tribal museum, boundary wall and electricity distribution network.
- The faculty and staff worked in war-footing and took the responsibility of coping the natural disaster and supporting community, civil society and government in the rehabilitation effort. The University hosted government and private agencies and individuals by providing boarding, lodging, logistics and human resources and used its students, faculty, staff and network of partners to support relief activities.

**e) Collaborative Work with Social Entrepreneurial Outreaches**

**i. Urban Micro-Business Centre (UMBC)**

- Deakin University, Australia has designated Urban Micro-Business Centre (UMBC) as its extended action learning Centre. It is being used as a centre for research and learning for Indian and foreign students of management and engineering studies.
- UMBC has set up 16 different nano-business verticals for enhancing employability and entrepreneurship of slum-dwellers. In addition, 48 slum dwellers are presently being incubated as micro entrepreneurs.
- By November 2018, it has impacted 628 slum-dwellers through its training and micro business initiatives. It has facilitated bank linkages and financial assistance to 56 women for their micro businesses.

**ii. Gram Tarang Employability Training Services Pvt. Ltd. (GTET)**

- In December 2017, Centurion University and GTET hosted the Hon'ble Minister of Skill Development & Entrepreneurship, Government of India, Shri Dharmendra Pradhan at the University campus where he visited the skill labs and interacted with students and faculty. He was extremely happy to see the quality of work being done in Odisha and cited the model either at par or ahead of vocational schools he visited in Japan.
  - Subsequent to the visit, the Ministry partnered with Centurion University to host a Skill Conclave for Odisha inviting all key stakeholders involved in skilling in the country (MSDE, NSDC, Govt. of Odisha, Academics, Industry Champions & NGOs) for an intensive two-day discussion for creating a Skilling Roadmap for Odisha.
  - By the end of 2018, Gram Tarang Employability Training Services Pvt. Ltd. (GTET) has the distinction of training 1.5 lakh youth. It has built a capacity to train 50,000 youth annually, in 41 Centres, across 7 States of India.
  - Its unique model of integrating skills with higher education won the award of 'Transforming Rural India' at the NSDC Partner meet in October 2018.
  - 25 forklift operators trained at Centurion-Gram Tarang were placed in Poland.
  - In partnership with Dassault, as its Systems Integrator, GTET is engaged in delivery of training in 3D software at Engineering Colleges across the country.
  - Two of the ITIs promoted by the University and managed by GTET emerged in the top 5 in the National ITI rankings done by Ministry of Skill Development & Entrepreneurship.
- iii. Gram Tarang Inclusive Development Services Pvt. Ltd. (GTIDS)
- The Gram Tarang Inclusive Development Services Pvt. Ltd. (GTIDS) works in 15 states of India, in over 25,000 villages as business correspondent, on behalf of 13 Banks.
  - GTIDS opened more than 1.6 Crore no-frills accounts, including 71 lakh accounts under Pradhan Mantri Jan Dhan Yojana through 8500 Banking Correspondents and 278 staff, and disbursed over Rs 2000 Crores under MNREGS & Social Security Pensions to the agri-labourers, old-age people, widows and differently abled people.
  - GTIDS mobilized Fixed Deposits of about Rs 200 Crores, savings of approximately Rs 2000 Crores and collected over Rs 400 Crores NPAs from the beneficiaries on behalf of Partner Banks.

- GTIDS disbursed more than Rs 330 Crore loans to over 140,000 beneficiaries under Mudra Scheme & has a mandate to disburse over Rs 600 Crores in financial year 2018-19.
- iv. Gram Tarang Foods Pvt. Ltd. (GTF)
- Gram Tarang Foods Pvt. Ltd. (GTF) has signed an MoU with The Himalaya Drug Company (THDC) in Feb 2018 for
    - R&D in phyto-chemical extraction using Super Critical Fluid CO<sub>2</sub> Extraction (SCFE) technology and
    - Bulk supply of SCFE phyto-extracts as ingredients.

#### **The Assessment and Certification Center**

- The Center for Assessment and Certification Center has already assessed 1,68,048 Skilled candidates by November 2018.
- The Centre is recognised by the Ministry of Skill and Entrepreneurship Development (MOSED), Government of India and state governments of Gujarat, Chhattisgarh, Maharashtra, Uttarakhand and Odisha.
- It works closely with a number of Sector Skill Councils such as Automotive, Telecom, Tourism & Hospitality, Furniture & Fittings, Electronics, Agriculture, Retail, Plumbing and Health.
- The Center took the responsibility of skilling, assessing, certifying and placing candidates in European and other Asian countries such as Poland, Austria, Portugal, Dubai and Qatar.

#### **f) Collaboration**

- Students from the universities of Australia and Norway regularly visit Centurion University as a part of their academic programs.
- The University own the Norwegian Centre for International Cooperation in Education (SIU) award for a four-year Partnership Programme, starting 2018, with the Norwegian University of Science and Technology (NTNU) for launching Postgraduate Program in Sustainable Entrepreneurship and Skill Integrated Education.
- Between December 2017 and November 2018, 35 MOUs were signed. Some of the partner institutions include
  - (i) Deakin University and WDHC (Australia)
  - (ii) Western Sydney University, Australia
  - (iii) IIBHB, Berkley, California, USA
  - (iv) Humara Bachpan Trust

- (v) ICAR CIWA, Bhubaneswar
- (vi) Robert Bosch Engg & Buss Sol PVT LTD
- (vii) Himalaya Drug company
- (viii) Tessolve Semiconductor, Bangalore
- (ix) Festo India Pvt. Ltd.
- (x) SELCO Foundation, Bangalore
- Linkage with the Alumni Association has been further strengthened by closely integrating it with the curriculum development, class room teaching, student internship and placement support.

**g) Conferences and Seminars**

During the year, a number of workshops and conferences were organised at the Paralakhemundi Campus of the University. These include:

- National E-Bike Racing Championship 2017
- Workshop on System Engineering and Go-To-Market in collaboration with Dassault System
- Workshop sponsored by NFDB on "Healthy Shand GIFT Tilapia Culture Using Biofloc Technology" in association with TNJFU
- Conclave of Tribal leaders from Odisha, AP & Telangana in association with Tata Steel Rural Development Services
- Organisation of Kissan Mela
- Organisation of the District Level Study cum Training camp for Youth Red Cross Volunteers and Counsellors

Similarly, Bhubaneswar campus organised

- National Seminar on Advanced Materials and Technology
- Fourth Chandrabhaga Poetry Festival
- 31st Annual Conference of Orissa Chemical Society and National Seminar on Recent Developments and Applications of Functional Materials in December 2017, sponsored by the Orissa Chemical Society and Centurion University in
- National Conference on Bio diversity conservation for sustainable development and Environment Management in April 2018
- Science Academies' Lecture Workshop on Green Chemistry for Sustainable Development sponsored by the National Academy of Science, Indian Academy of Sciences and Indian National Science Academy in April 2018

**h) Faculty and Student Recognition**

- Atanu Deb, Faculty, School of Agriculture got the best scientist award in the International Conference on "Emerging Technologies, Systems and

Applications (ICETSA-2018)" held at Jharkhand Rai University, Ranchi, in April, 2018.

- Smita Mishra Panda, Director Research, was awarded an UN assignment in June 2018 as Gender Expert to study selected small and medium enterprises in Thailand funded by GEF and implemented by UNIDO with the support of the government of Thailand. The focus of the study will be to assess gender awareness and sensitivity of the project beneficiaries and stakeholders and recommend how to increase gender equality in clean technology sector in Thailand.
- The paper, “Urbanization, Water and Governance - A Sustainable Perspective”, by Dr. Rashmi Ranjan Parida and Dr. Umakanta Nayak of the School of Management was adjudged Best Paper at the ‘Xub Sustainability Summit 2018’, organised by Xavier University, Bhubaneswar in February 2018.
- Centurion University team comprising Dr. Supriya Pattanayak, Dr. Smita Mishra Panda and Dr. Rashmi Ranjan Parida visited Norwegian University of Science & Technology (NTNU) in August 2018 to finalise the curriculum for collaborative Master’s Program in Social Entrepreneurship, under the Norwegian Research Council Project, UTFORSK.
- Mr. Srinivas Gamango and Dr. Prajna Pani launched a Certificate Course on Saura Language in March 2018 at the tribal village ‘Abjangsing’.
- Mr. Somayajula Rahul and Mr. Suman Sudhansu Received first prize from the Hon’ble Chief Minister, Andhra Pradesh, for their innovative work on 3D printer and CNC plotter in JNANABHERI knowledge summit under innovation & technology segment held at Andhra University, Vishakhapatnam in August 2018.
- Mr. Abhi Mitra and Mr. Debasish Received Second prize from Hon’ble Chief Minister, Andhra Pradesh, in Hackathon Organised by APITA, Unity 3d and UNESCO at Visakhapatnam. The topic of the game was "reduce inequality in society" for which a virtual reality game was developed with a title "towards the change" by the Team.

#### **i) Extra-Curricular Activities**

- Students, faculty and staff organised Independence Day, visit to Adrut Children's Home, Blood Donation Camp, Engineers' Day, Street Play & Flash Mob, Gandhi Jayanti, Ganesh Puja, Health Check-up Camp, visit to Madhur Mayee Adarsh Siksha Niketan, Nukkad Natak, Raksha Bandhan, National Sports Day, Teachers' Day, Viswakarma Puja, Eco-Craft Workshop, Sustainable Enterprise Award, Run for Unity, Debate Competition for District Vigilance Awareness Week, Function to Bring Smile on Someone's Face This Diwali, National Education Day and Awareness Camp on World Diabetics Day in 2018.
- The University has introduced "Student Teacher Domain" where, along with faculty, students teach courses to their juniors and to those having back paper. The process is expected to give interested students a platform to experience teaching and motivation for a career in teaching.
- Centurion University has seen one of the best placement years in 2018. The average number of job offers per recruiter for School of Engineering and Technology, School of Management, School of Agriculture and School of Vocational Education and Training were 4, 2, 7 and 14 respectively. Traditional Engineering disciplines like Mechanical Engineering achieved 137 unique number of placements in core manufacturing.

#### **j) Placement**

- 571 placement offers from 102 Companies in 2017-18.
- 42% of eligible engineering, 50% of eligible agriculture, 20% of eligible science and 100% of eligible management students were placed successfully.
- 35 students of the School of Agriculture qualified in Junior Research Fellowship in 2018.
- Key recruiters include
  - Adobe, Direct Internet Solutions, Mindtree and UXReactor for IT services and software development;
  - Tata Projects and Techno Electric for Civil and Electrical Engineering;
  - Dassault Systems, Robert Bosch, HCL and DormaKaba for Electronics Engineering;
  - NSK Bearings, Tega Industries, Gestamp Automotive and Ultratech Cements for Mechanical Engineering;
  - FMC Dupont, JK Paper, Jain Irrigation, Coromandel group and Syngenta Foundation for Agriculture; and



- Axis Bank, Future Generali, Pasupati Group and Appeal Group for Management in June 2017.

## **5. OVERVIEW OF INCOME AND EXPENDITURE FOR THE YEAR 2017-18**

The CFO gave an overview of income and expenditure of the University for the financial year 2017-18.

## **6. APPROVAL OF THE ACADEMIC MATTERS: APPROVAL OF COURSES & SYLLABI**

The analysis of the feedback on curriculum taken from all the stakeholders, viz. Students, Teachers, Alumni, and Employers was briefly presented by Dean Academics. Based on it the modification of syllabus was discussed and made in Board of Studies and Academic Council.

The course structure and syllabus for 2018-19, which was approved by the Academic Council, was presented for approval to the Board members by Dean Academics.

The Dean, Academic Affairs, presented key academic matters and requested for approval of programs/courses/domains/subjects/curriculum from the School of Management, School of Applied Sciences, School of Engineering and Technology, School of Vocational Education and Training, School of Pharmacy and Life Sciences, School of Paramedics and Allied Health Sciences, School of Forensic Sciences, School of Design and School of Media and Communication.

The Governing Body approved the following programs/courses/domains/subjects/curriculum.

- Basket I, III & IV subjects for
  - B. Tech. in Computer Science Engineering
  - B. Tech. in Electronics and Communication Engineering
  - B. Tech. in Electrical and Electronics Engineering
  - B. Tech. in Civil Engineering
  - B. Tech. in Mechanical Engineering
- Basket-V for B. Tech. (School of Disaster Management to offer the subjects such as Resilient Livelihood, Information and Communication System in Disaster Management, Health in Emergency, and Resilient Building Construction)
- Revised curriculum of
  - MBA (Agri Business Management)
  - MBA (Development Management)
  - M.Sc. (Agricultural Extension)
  - B.Sc. (Optometry)

- B.A. (Media and Communication)
- M.A. (Media and Communication)
- CBCS for programs/courses
  - Diploma (Engg.)
  - B. Sc. (Physics), B. Sc. (Chemistry) and B. Sc. (Mathematics)
- Subjects/Domains for B. Sc. (Hons) Agriculture, 2017 joining batch onwards
- Subjects/Domains in Aerospace and Go-to-Market for B. Tech.
- 2nd year onwards curriculum for B. Sc. Fisheries

## **7. APPROVAL OF ACADEMIC MATTERS: NEW PROGRAMS AND COURSES FOR 2018-19**

The Dean, Academic Affairs, presented the new programs/courses for approval to the Board members. The same were approved by Academic Council, earlier. The list of courses and programs are as follows:

- i. B. Sc. (Hons.) Horticulture
- ii. B. Des. (Fashion Design)
- iii. B. Sc. Design & Planning
- iv. B. Tech. (Phytopharmaceuticals)
- v. B. Tech. (Dairy Technology)
- vi. B. Tech. (Aerospace)
- vii. B. Tech. (Automobile)
- viii. MBA (Power Management)
- ix. M. Tech. in Cyber Security and Digital Forensics
- x. M. Tech. in Renewable Energy
- xi. M. Sc. (Environmental Science)
- xii. M. Phil. (Botany) and M. Phil. (Zoology)
- xiii. M. Sc. Agriculture in Soil Science, M. Sc. Agriculture in Entomology
- xiv. PG Diploma in VLSI Design in collaboration with Tessolve Semiconductor
- xv. PG Diploma in Disaster Risk Reduction in collaboration with Red Cross
- xvi. Diploma in Community Health Practices in collaboration with Swasthya Swaraj
- xvii. Work Integrated Diploma: Work Integrated Skill Training and Apprenticeship (WISTA)
- xviii. Masters by Research
- xix. Integrated B. Sc. & M. Sc. (Medical Laboratory Technician)

## **8. RATIFICATION OF MOUS SIGNED FROM DECEMBER 2017 TO**

## **NOVEMBER 2018**

The following MoUs were ratified by the Board.

1. MoU with INTERNATIONAL INSTITUTE OF THE BENGAL AND HIMALAYAN BASINS, BERKLEY, CALIFORNIA, USA – 01-12-2017
2. MoU with HUMARA BACHPAN TRUST – 03-12-2017
3. MoU with NANDANKANAN – 04-12-2017
4. MoU with ICAR CIWA, BHUBANESWAR – 14-12-2017
5. MoU with LIFE SCIENCES SECTOR SKILL DEVELOPMENT COUNCIL (LSSSDC), NEW DELHI – 15-12-2017
6. MoU with DASSAULT-SOW\_GRAM TARANG\_ AP – 04-01-2018
7. MoU with SACAL, BERHAMPUR, ODISHA – 11-01-2018
8. MoU with ROBERT BOSCH ENGG & BUSINESS SOLUTION PVT LTD – 10-02-2018
9. MoU with ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY (RMIT) MOU – 19-02-2018
10. MoU with HIMALAYA DRUG COMPANY WITH CUTM – 20-02-2018
11. MoU with HIMALAYA DRUG COMPANY WITH GRAMTARANG FOOD – 20-02-2018
12. MoU with TESSOLVE SEMICONDUCTOR, BANGALORE – 07-03-2018
13. MoU with CIFA, BBSR – 16-03-2018
14. MoU with VEATIVE LABS, NEW DELHI – 31-03-2018
15. MoU with SABUJA BIPLAV NGO, ODISHA – 10-04-2018
16. MoU with ICAR FOR WOMEN FARMERS FOCUSED TECHNICAL COLLABORATION – 10-04-2018
17. MoU with CDAC (CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING), GOVT. OF INDIA – 29-04-2018
18. MoU with FESTO INDIA PVT. LTD. – 01-05-2018
19. MOU WITH ICAR-CIFA – 26-05-2018
20. MOU WITH SELCO, BANGALORE – 04-06-2018
21. AGREEMENT PAPER OF GOL & HI – 15-06-2018

22. MoU with WITH EFRESH AGRIBUSINESS SOLUTIONS PVT. LTD., HYDERABAD – 25-06-2018
23. MoU with WITH WESTERN SYDNEY UNIVERSITY, AUSTRALIA – 29-06-2018
24. MoU with WITH GRAM TARANG EMPLOYABILITY TRAINING SERVICES PRIVATE LIMITED – 13-07-2018
25. MoU with WITH NTI IMAGE, HYDERABAD – 26-07-2018
26. MoU with H BBIO, GUJARAT – 01-08-2018
27. MoU with VISION EYE HOSPITAL, BBSR – 28-08-2018
28. MoU with CANADA - INDIA –CICE – 30-08-2018
29. MoU with SIKSHA 'O' ANUSANDHAN, BHUBANESWAR – 03-09-2018
30. MoU with SWASTHYA SWARAJ SOCIETY, BHAWANIPATNA – 18-09-2018
31. MoU with DASSAULT SYSTEMES FOUNDATION, MUMBAI WITH MSSSOA – 19-09-2018
32. MoU with KAILASH FISHERIES AND AQUATIS, MAYURBHANJ, ODISHA – 25-09-2018
33. MoU with TAMIL NADU DR. J. JAYALALITHAA FISHERIES UNIVERSITY, NAGAPATTINAM – 26-09-2018
34. MoU with NRRI & CUTM – 05-10-2018
35. MoU with INDIAN INSTITUTE OF WATER MANAGEMENT (IIWM), BBSR – 08-10-2018

## **9. RATIFICATION OF**

### **A) FACULTY/STAFF APPOINTMENTS FROM 1<sup>ST</sup> JULY 2017 TO 30<sup>TH</sup> JUNE 2018**

The Governing Board approved the appointments of Faculty/Staff during 1st July 2017 to 30th June 2018.

The required faculty strength for 2018-19 AY is 285 as per the students intake.

The faculty strength presently after recruitment for the year is 279.

### **B) STUDENTS INTAKE STRENGTH AND ENROLLED STRENGTH FOR 2018-19 AY**

The Vice Chancellor presented the student intake strength and the enrolled strength for approval by Board members.

The same was approved by the members of the Board.

Students Strength	Under graduate	Post Graduate	Diploma
Intake seats	1534	520	500
Enrolled strength	1361	470	499

#### 10. APPROVAL OF LIST OF DEGREE RECIPIENTS FOR CONVOCATION 2018

The Deputy Director (QA&E) presented the list of degree recipients who will be awarded degrees during the convocation on 1st Dec 2018. The Governing Board approved the same. The mix of degree recipients is as below.

Sl.	Program	Batch	Total No. of Degree Recipients
1	Ph.D.	Admission Batch 2011-12	4
		2012-13	7
		2013-14	2
		2014-15	1
2	M. Tech.	2016-18	37
3	MBA	2016-18	58
4	MBA (Data Analytics)	2016-18	9
5	MBA (Development Management)	2016-18	5
6	M. Sc.	2016-18	198
7	M. Sc. (CMB)	2016-18	3
8	M. Sc. (MLT)	2016-18	4
9	MA (Media & Communication)	2016-18	1
10	B. Tech.	2014-18	677
11	B. Tech. (Ag)	2014-18	71
12	B. Sc.	2015-18	184
13	B. Sc. (Ag)	2014-18	231
14	BBA	2015-18	10
15	BBA (R&H)	2015-18	14
16	Diploma	2015-18	266
17	Diploma (Ag)	2016-18	4
20	D. Pharm.	2016-18	39
		<b>Total</b>	<b>1825</b>

The Annual report for Examination (2017-18 AY) was presented by Director, Examinations & Quality Assurance and the same was approved by the members of the Board.

## **11. APPROVAL OF GOLD MEDAL LIST FOR THE YEAR 2017**

The Deputy Director (QA&E) presented the list of 22 Gold Medalists who will be awarded medals during the convocation on 1st December 2018. The Governing Board approved the same. The mix of medal recipients is as below.

- MBA - 1 No.
- M. Tech. - 1 No.
- B. Tech. - 6 Nos.
- B. Tech. (Ag) – 1 No.
- Diploma – 1 No.
- B. Sc. – 5 Nos.
- B. Sc. (Ag) – 1 No.
- M. Sc. – 3 Nos.
- BBA (R&H) – 1 No.
- D. Pharm. – 1 No.
- ITI – 1 No.

## **12. FINANCIAL PLAN & THE BUDGET FOR THE ACADEMIC YEAR 2018-19**

The CFO presented the financial plan and the budget for the academic year 2018-19. The Governing Board approved the same.

## **13. ANY OTHER POINT WITH THE PERMISSION OF THE CHAIR**

- Vice Chancellor discussed the **Research thrust areas** of the university and the **policy of Seed Money** which was made available for the faculty members to conduct their research.

The Research Promotion Policy of the university implemented in May 2017 has been followed.

- Board members suggested to encourage faculty members to apply for outside funding in collaboration with other organisations such as IIT, Bhubaneswar etc.
- **The Admission Policy for the year 2018, the Scholarship Policy 2018, the Reservation Policy 2018, the E-governance report were presented by the Vice Chancellor for approval by the members of the Board Members.**

**The same were approved by the Board Members.**

- **Vice Chancellor informed the Board members about few initiatives taken of the university such as **Creche facility at University campuses, Pathways/Pedestrains being made in the campuses. Even E-vehicles/ battery operated vehicles for usage inside the campuses, restricted use of vehicles****

inside campuses. The circular related to ban of plastics inside campuses (zero plastic campus) was sent out.

- The Board members appreciated all these initiatives and suggested that awareness programmes to be conducted for students, staff and faculty for effective implementation of the same.

Since there were no other points for discussion, the meeting ended with a vote of thanks to the Chair.



**REGISTRAR**  
(CUTM, Odisha)



## Annexure I

### **MINUTES OF THE GOVERNING BOARD OF THE CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA HELD ON DECEMBER 5, 2019, AT BHUBANESWAR CAMPUS**

The Following members were present.

1. Prof. Mukti Kanta Mishra, President, CUTM	Chairman
2. Prof. D N Rao, Vice President, CUTM	Member
3. Prof. Supriya Pattanayak, Vice Chancellor, CUTM	Member
4. Prof. Omkar Nath Mohanty	Member
5. Dr. Mary Bage	Member
6. Shri P.N.S.V Narasimham	Member
7. Shri Aditya Sapru	Member
8. Dr. D. P. Pattanayak	Member
9. Mr. Vineet Chhatwal, CEO	Invitee
10. Prof. P. K. Mohanty, Dean Academic	Invitee
11. Prof. Jyoti Sayantani, Director QA & Examination	Invitee
12. Shri Prasant Das, CFO	Invitee
13. Prof. Anita Patra, Registrar	Member Secretary

Apologies from:

1. Shri Saswat Kumar Mishra, IAS, Commissioner cum Secretary	Member
2. Prof. Sudhakar Panda	Member
3. Prof. C. R. Rao, Emeritus Professor	Member
4. Dr. Mohan Kanda, IAS (Retd.)	Member

New Nominees of the Board:

1. Dr. Mary Bage was nominated by the State Government in place of Dr. Rajat Kujur.
2. The State Government has not nominated the local MLAs (MLA Mohana and MLA Khorda) to the Board of Governors this year.

The following agenda items were discussed in the meeting.

1. Welcome address by the Chairman
2. To confirm the minutes of the previous meeting of the Board of Governors held on November 20 2018



3. To review the action taken on the decisions of the previous meeting of the Board of Governors
4. Report on the Activities of the University during the Academic year 2018-19
5. An Overview of Annual Statement of Accounts 2018-19
6. Approval of the Academic matters: Course structure & syllabi
7. Approval of Academic Matters: New Programs
8. Ratification of MOUs signed with (December 2018 to November 2019)
9. Ratification of
  - a) all Appointments of Faculty/Staff during 1st July 2018 to 30th June 2019
  - b) Students intake strength and enrolled strength for 2019-2020 AY.
10. Approval of List of Degree Recipients in the 7<sup>th</sup> Convocation of the University to be held on 6<sup>st</sup> Dec 2019
11. Approval of Gold Medal recipients and Merit List for the year 2019
12. Any other point with the permission of the Chair

## **1. WELCOME ADDRESS BY THE CHAIRMAN OF THE GOVERNING BOARD**

The Chairman welcomed all the members and invitees to the meeting of the Governing Board and briefed about the new developments in the University. He highlighted the following points.

- 1.1 The 7<sup>th</sup> Convocation of the University will be held at Bhubaneswar campus and Hon'ble Governor Prof. Ganeshi Lal would preside over it. The Chief Guests for the Convocation will be Dr. K P Krishnan, IAS, Secretary, Ministry of Skill Development & Entrepreneurship, GoI and Shri. Pradeep Singh Kharola, IAS, Secretary, Ministry of Civil Aviation, GoI.
- 1.2 School of Vocational Education and Training (SoVET) under the Centurion University of Technology & Management, (CUTM) Odisha, has been notified as Skill University by the Government of Odisha in its Gazette dated 30th August 2017.
- 1.3 Ministry of Skill Development and Entrepreneurship, Govt. of India notified Centurion University of Technology and Management, (CUTM), Odisha as an Awarding Body for the purpose of assessment and certification of all NSQF compliant training courses including Recognition of Prior Learning (RPL) as well as for trainers and assessor certification courses.
- 1.4 Directorate of Medical Education & Training, Govt. of Odisha recognition is accorded in favour of the School of Paramedics and Allied Health Sciences (SoPAHS) of Centurion University of Technology and Management, (CUTM), Odisha for the degree/certificate in Allied Medical Science courses for the academic session 2019-20.

- 1.5 The Centurion University of Technology and Management, Odisha ranked 10 among the Young Universities by Outlook-ICARE India University Rankings 2019.
- 1.6 Two Centurion ITIs were among the top 10 ranked in the country by the Government of India Grading of ITIs – 2018.
- 1.7 National Agricultural Education Accreditation Board of ICAR granted accreditation to M S Swaminathan School of Agriculture, CUTM, Odisha for a period of five year i.e. upto 28th March 2024.
- 1.8 Centurion University has received approval from the MOSDE, GoI to assess and certify trainers and trainees in different skills required for different sectors of economy, under National Skill Qualification Framework (NSQF). It has significance for enhancing employability of students of the University in teaching and training institutions and industries.
- 1.9 Value added courses on Gender, Ethics and Human Rights have been introduced across all programmes.
- 1.10 School of Social Sciences was launched 2018 with programmes namely BA in Applied Economics, Applied Sociology and Applied Psychology.
- 1.11 Centurion University has now got Param Shavak computer in campus.
- 1.12 New campus has come up at Gopalpur, Balasore.
- 1.13 Foreign students from 8 different countries have taken admission
- 1.14 Centurion University is preparing its students and faculty to take part in World Skills Competition 2020.
- 1.15 Two cyclones ‘Titli’ in October 2018 and ‘Fani’ in May 2019 have badly hit Parlakhemundi and Bhubaneswar campuses respectively. The rebuilding of the campuses is still in process.
- 1.16 IELTS has been made compulsory for students and faculty. Similarly students and faculty are encouraged to get good score in AMCAT, AUTOMATA and get other industry certifications.

## **Suggestions by Board Members**

Women Welders to be trained and participate in the Women Welders Competition in Odisha

Bridge course in Foundational Mathematics to be offered to first year students of B. Tech.

Senior Experts from NIISER, Institute of Physics, Institute of Mathematics to conduct workshops on use of Param Savak and other software.

Board Members to help to secure different projects - AR/VR of heritage buildings  
Review all MoUs.

Alumni database to be maintained.

Initiate or take lead in getting the Sydney (Diploma) and Dublin (ITI) Accords to India and accredit these programmes of CUTM.

Programme reporting based on categories – Nascent, Developing and Mature

### **2. TO CONFIRM THE MINUTES OF THE PREVIOUS MEETING OF THE GOVERNING BOARD**

Since no comment was received from the members of the Governing Board, the minutes of the previous meeting as presented by the Vice Chancellor was ratified by the Board unanimously.

The Chairman signed the minutes.

### **3. TO REVIEW THE ACTION TAKEN ON THE DECISIONS OF THE PREVIOUS MEETING OF THE BOARD OF GOVERNORS**

The Vice Chancellor briefed on the action taken on the decisions taken in the previous meeting of the Board of Governors.

### **4. REPORT ON THE ACTIVITIES OF THE UNIVERSITY FOR THE ACADEMIC YEAR 2018-19**

The Vice Chancellor presented the Activities of the University for the Academic year 2018-19 with following highlights.

#### **a) Recognitions**

- i. Government of India has notified Centurion as Center of Excellence in the field of Skilling Ecosystem in the country in November 2019.

- ii. Given the status of Institute for the Training of Trainers (ITOT). DGT has notified for the IToT course which is a one year NCVT certified course for training of Instructors to be offered as a Domain for Centurion Diploma and B Tech students.
- iii. Notified by Government of India as an Awarding Body for Skill Assessment and Certification for Recognition of Prior Learning and Competency Assessment
- iv. In March 2019, Indian Council of Agricultural Research (ICAR) accredited Centurion University's MS Swaminathan School of Agriculture and the Agriculture program offered by the school.
- v. School of Paramedics and Allied Health Sciences (SoPAHS) has got recognition for Allied Medical Science Courses from the Government of Odisha's State Council of Allied Medical Sciences for the academic session 2019-20.

**b) Courses Offered**

- i. The University offers 2 Certificate, 15 diploma, 69 under-graduate and 54 post-graduate and doctoral programs through different Schools, located in five constituent campuses across Odisha, at Paralakhemundi, Bhubaneswar, Rayagada, Bolangir and Gopalpur (Balasore) with a student strength of 8477 as on November 2019.
- ii. The University admitted 46 International students this year for different courses.
- iii. Over the last two years, Centurion University's admissions have grown by over 40%. School of Paramedics and Allied Health Science, School of Applied Science and School of Agriculture have registered high growth.
- iv. In 2019, the University launched new courses, such as
  - Bachelor of Technology in Phytopharmaceutical
  - Bachelor of Arts in Media and Communication
  - Diploma in Automobile Engineering
  - Bachelor of Technology in Computer Science Engineering – Amazon Web Services (AWS)
  - Bachelor of Technology in Computer Science Engineering – IBM
  - Master in Business Administration in Pharmaceutical Management
  - Master in Business Administration for Executives
  - Bachelor of Science in Bio-Chemistry
  - Bachelor of Science in Forensic Science
  - Master of Science in Cyber Security and Digital Forensics

**c) Teaching and Quality Assurance**

- i. Choice Based Credit System (CBCS) consolidated in engineering and applied science, and introduced in Diploma in engineering program.
- ii. Learning records for students and teaching-learning records for faculty are maintained for better learning and its traceability.
- iii. Student specific action plans for timely graduation and realization of career objective are used as tools for mentoring by the faculty.
- iv. The University conducts about 120 regular semester examinations for 34 programs in a year in which approximately 79000 answer-books are evaluated for 1645 subjects.
- v. In addition, there are 5 Examinations on Demand (EOD) in a year where students have a choice to register backlogs they want to clear.
- vi. The University has conducted several specialized Faculty Development Programs, such 3D manufacturing, Machine Learning, Artificial Intelligence, Block Chain Technology, Ocular Oncology, Gene Analysis Techniques, etc
- vii. Systematic use of ICT helps in timely execution of assessment process while maintaining high quality.
- viii. The University has introduced mandatory qualification in AMCAT/ Automata/ IELTS for all students and faculty.

**d) Research, Consulting and Outreach**

*i. Entrepreneurship Development*

The 'Go To Market' Domain is attempting to find end to end solutions from Design, to implementation, to simulation and then commercialization of a product using the 3D experience platform.

Centurion University and LMDC also provide end to end support which includes supply of raw materials, technical support, mentoring, training and market linkage to the farmers for producing RNR (15048) controlled sugar rice variety for doubling their income.

*ii. Skills for Success and World Skills*

The University has promoted participation of students in identified skill courses for award of credits. Further, students and faculty are being encouraged to participate in the World Skills Competition through the provision of technical and financial support for the same.

*iii. Innovation Agriculture Project*

Innovation Agriculture Project is funded by National Skill Development Corporation. Centurion University is working in 12 LWE districts of Tribal dominated South Odisha and North coastal Andhra Pradesh through 12 training centers. This project is implemented in collaboration with Non-Government Organizations like Harsha Trust and SACAL in Odisha and BREDS in Andhra Pradesh. As on November 2019, Centurion has trained 2725 farmers and 124 Community Resource Persons and has facilitated the enhancement of their incomes.

*iv. Project Atal*

The project envisions doubling farmer's income by training and certification of 100,000 small and marginal farmers through specially developed 200 local Krishi Udyog Sahayaks (KUS) in 200 blocks of Odisha. 75 Recognition of Prior Learning (RPL) camps will become semi-permanent training cum production centres. 9 Farmer experience zones are being setup in Pradhan Mantri Kaushal Kendras (PMKKs). Producer groups are being created among farmers and Last Mile Distribution Company (LMDC) has been set up to provide market linkage. The project has also the mandate to assess and certify the faculty and students of the School of Agriculture by the Agriculture Sector Skill Council of India (ASCI).

*v. Andhra Pradesh Agri RPL Project*

Centurion University and Gram Tarang have signed MoU with Society for Employment Generation and Enterprise Development in Andhra Pradesh (SEEDAP) for training of 3000 farmers in Srikakulam, Vizianagaram and Visakhapatnam districts of Andhra Pradesh on three job roles: Cashew Cutter, Coffee Cutter and Millet Cutter.

*vi. Collaborative Research with Himalaya Drugs*

The School of Agriculture successfully completed the Pilot and Commercial plant projects including germination studies for medicinal weed crops. From this research initiative emerged the BTech in Phytopharmaceutical and Himalaya Drugs is on the Advisory Board

*vii. Initiatives in the Area of Energy*

Through 'Suryamitra Skill Development Programme' and 'Clean Energy Entrepreneurship Development Program', the Centre for Renewable Energy and Environment has developed more than 620 skilled work force and 30 Clean Energy Entrepreneurs in the state of Odisha for exploiting solar energy in partnership with Ministry of Nonconventional and Renewable Energy, Government of India, Odisha Renewable Energy Development Agency, SELCO Foundation, Schneider Electric and Harsha Trust. In 2019, the Centre has installed more than 250 solar street lights within the campus to reduce carbon footprints. It is working towards Bio CNG production from kitchen waste.

The University, in its endeavor to skill development in power sector, has started with repair of distribution transformers of various electricity utility companies in its workshops. In 2019, it has started manufacturing and executing the order for 200 numbers of 11 kV/0.4 kV-Distribution Transformers up to 500 KVA capacity in its workshop. This has been integrated to the course curriculum. The students actively participate, gain hands-on knowledge and are evaluated by the Industry-experts before qualifying for the degree. This helps in developing a cadre of skilled manpower for preventive maintenance of transformers in rural area, with the ultimate aim of increasing electric power availability. In addition, the Centre is facilitating erection of grid interactive solar power plant of half a Megawatt capacity each in its Bhubaneswar and Paralakhemundi campuses.

viii. *Patents and Publications*

Between 2011 and 2018, the University filed 22 patents from its action research. Out of these 18 have been published and 4 are under scrutiny. In 2019, 1 patent has been published.

Between 2011 and 2018, 302 students have registered in doctoral program. Out of it, 32 candidates have received their PhD. In 2018-19, further 14 candidates registered and 12 were awarded degrees. The first ever Honorary Doctorate Degree was awarded.

In 2018-19, the faculty of the University had 67 publications in national and international journals.

ix. *Community Outreach*

The University has adopted a concept of ‘Adarsh Gram’ to promote sustainable livelihood security and quality of life of village communities around its campuses. Patikota village near Paralakhemundi campus is the pilot case in implementation of six dimensions of development such as Education, Health, Livelihood, Natural Resources, Infrastructure and Governance.

Under Unnat Bharat Abhiyan of the Ministry of Human Resource Development, Government of India, the University adopted 5 villages such as Barlanda, Badigam, Routpur, Jhampiguda and Engersingh in the Gajapati district.

x. *Coping Natural Disaster and Supporting Community, Civil Society and Government in Rehabilitation*

The severe cyclonic Storm ‘Titli’ with heavy rain fall and high wind speed devastated the Paralakhemundi Campus and the adjoining areas in Gajapati district on 11th October 2018. The campus lost more than 600 matured fruit

bearing trees, agriculture research station and experimental field, nursery, poly houses, dairy farms, aquariums, tribal museum, boundary wall and electricity distribution network.

The faculty and staff worked in war-footing and took the responsibility of coping the natural disaster and supporting community, civil society and government in the rehabilitation effort. The University hosted government and private agencies and individuals by providing boarding, lodging, logistics and human resources and used its students, faculty, staff and network of partners to support relief activities.

**e) Collaborative Work with Social Entrepreneurial Outreaches**

*i. Urban Micro-Business Centre (UMBC)*

UMBC is used as a centre for research and learning for Indian and foreign students of management and engineering studies. Deakin University, Australia has designated it as its extended Action Learning Centre.

UMBC has set up 16 different micro-business verticals for enhancing employability and entrepreneurship of slum-dwellers.

As on October 2019 it has impacted 856 economically marginalized families dwelling in urban slums through its training programmes and other micro business initiatives. It has further facilitated bank linkages and financial assistance to 67 women promoting individual micro businesses and contributing to incremental growth of 10-15% in their family earnings.

Currently, it is housing 53 individuals as potential micro entrepreneurs or job takers through its on job training programmes.

*ii. Gram Tarang Employability Training Services Pvt. Ltd. (GTET)*

GTET has the distinction of training 1.5 lakh youth by end of 2018 and placing most of them in India and some abroad. It has built a capacity to train 50,000 youth annually, in 41 Centres, across 7 States of India.

Its unique model of integrating skills with higher education continued to receive recognition. Gram Tarang has been ranked as No 1 Skill Training Provider in the recent Rating & Grading of PIAs implementing DDU-GKY programs in Odisha. This Rating & Grading exercise was carried out by ORMAS, PR&DW department, Govt of Odisha. It got a Final Grade of A+ which is the highest in the state and a matter of great pride.

The partnership with Dassault Systems has also done well where Gram Tarang as a Systems Integrator for Dassault is implementing training programs across 50 engineering colleges of Govt. of Andhra Pradesh.

*iii. Gram Tarang Inclusive Development Services Pvt. Ltd. (GTIDS)*



GTIDS is active in Financial Inclusion space from April 2011 and worked as a sub-contractor for Atyati Technology till June 2019. On behalf of Atyati Technologies, GTIDS recruited over 8500 agents for 13 Banks in 14 States. GTIDS opened over 1.6 Crores no-frills accounts, mobilized Fixed Deposits amounting to ₹200 crores, savings amounting to ₹2,000 crores and collected over ₹400 crores NPAs from the beneficiaries on behalf of Partner Banks. GTIDS disbursed more than ₹400 crores Microfinance loans to over 1,60,000 beneficiaries under Mudra Scheme.

GTIDS developed its own technology in 2018, signed agreements with 5 banks as a principal contractor - Andhra Bank, Andhra Pradesh Gramina Vikasa Bank, Telangana Gramina Bank, Bank of India and KBS Bank. GTIDS currently employs 1200 Business Correspondent Agents and through them provides banking services like withdrawals, mobilization of savings, FDs, RDs, marketing government schemes like APY, PMJJBY, PMSBY, recovery of NPAs etc.

iv. *Gram Tarang Foods Pvt. Ltd. (GTF)*

GTF is dedicated to producing high quality spice extracts, supports local value addition, local market creation and market linkage for farmers. In 2019,

- It scaled up Turmeric Oil production to 4000 kg annually.
- It secured its advance long term commercial contract.
- It made a successful testing of 24X7 commercial production
- It implemented intern's project as a standalone chilling unit for pilot SCFE CO2 setup.

v. *The Center for Assessment and Certification*

The Center undertakes assessment and certification of skill courses on NSQF level skill job roles and Recognition of Prior Learning (RPL) in all states of India.

This unit has been empowered as awarding body by the Ministry of Skill and Entrepreneurship Development (MOSED), Government of India, and all state governments.

It works closely with a number of Sector Skill Councils such as Automotive, Telecom, Tourism & Hospitality, Furniture & Fittings, Electronics, Agriculture, Retail, Plumbing and Health.

The Center took the responsibility of skilling, assessing, certifying and placing candidates in European and other Asian countries such as Poland, Austria, Portugal, Dubai and Qatar.

The Centre has assessed 3,35,620 skilled candidates and placed 210 candidates in the above international locations, till November 2019.

**f) Collaboration**

Students and faculty from many foreign Universities and Institutions undertake teaching, training and research programs at the Centurion University. Students from the universities and institutes of Australia, Norway, University of California, Santa Cruz, USA and other countries regularly visit Centurion University as a part of their academic programs.

Centurion University's linkage with its Alumni Association has been further strengthened by closely integrating it with the curriculum development, class room teaching, student internship and placement support.

In 2018 -19, 15 MOUs were signed. Some of the partner institutions include

Virginia Tech India Research and Education Forum

Rama Devi Women's University

Probenius Institute for Research in Cultural Anthropology, Goethe University, Frankfurt

Dassault Systemes Foundation

Central Tuber Crops Research Institute (CTCRI)

**g) Conferences and Seminars**

During the year, a number of workshops and conferences were organised by the University. Some of these include:

At the Paralakhemundi Campus

- M. S. Swaminathan School of Agriculture organized a National Seminar on Agriculture Development in Southern Odisha
- Computer Science Engineering Department organized AWS Technical Essential Workshop, Workshop on Computational Thinking and Workshop on Angular JS
- Mechanical Engineering Department organized Workshop on Refrigeration and Air Conditioning in association with National Engineering Corporation, Visakhapatnam
- Electronic and Communication Engineering Department organized National Seminar on 5G Communication Techniques and Workshop on Internet of Things
- Civil Engineering Department organized Workshop on Structural Design using Tekla in Association with Civil Center Pvt. Ltd., Bhubaneswar

#### At the Bhubaneswar Campus

- Computer Science Engineering Department organized a workshop on Introduction to CLOUD Computing and its application, a workshop on Internet of Things using Arduino Board and a workshop on Artificial Intelligence, Wireless Communication and Mechatronics using Simulink and MATLAB
- Electrical Engineering Department organized a seminar on Control of Automation Under Water Vehicles like Submarines and a seminar on Transformer Manufacturing
- Mechanical Engineering Department organized a seminar on Optical Engineering – An evolution from Science to Technology to Product
- Department of Botany organized a National Seminar on Plants for Sustainable Development and Clean Environment and 43rd Annual Conference of Orissa Botanical Society
- Department of Chemistry and Physics organized a National Conference on Recent Advances in Materials (RAM): Green Future
- School of Applied Sciences along with Ambika Prasad Research Foundation (APRF) jointly organized a National Seminar on Indigenous Knowledge and Conservation of Threatened Medicinal Plants in association with National Medicinal Plants Board, Ministry of AYUSH, New Delhi and Shree Gopal Jew Trust, Bhubaneswar, Odisha
- School of Applied Sciences organized ‘Sciencophile’ a State level Science Exhibition
- School of Media and Communication organized Animation workshop, Film Making and VFX workshop.

#### **h) Extra-Curricular Activities**

Students, faculty and staff organised Independence Day, visit to Adrut Children’s Home, Blood Donation Camp, Engineers’ Day, Yoga Day, Kindness Day, Street Play & Flash Mob, Gandhi Jayanti, Ganesh Puja, Health Check-up Camp, visit to Madhur Mayee Adarsh Siksha Niketan, Nukkad Natak, Raksha Bandhan, National Sports Day, Teachers’ Day, Viswakarma Puja, Eco-Craft Workshop, Sustainable Enterprise Award, Run for Unity, Debate Competition for District Vigilance Awareness Week, Function to Bring Smile on Someone's Face this Diwali, National Education Day and Awareness Camp on World Diabetics Day in 2019. The University conducted the Youth Parliament for the first time in 2018-19.

The University has introduced “Student Teacher Domain” where, along with faculty, students teach courses to their juniors and to those having back paper. The process is expected to give interested students a platform to experience teaching and motivation for a career in teaching.

Centurion University has seen one of the best placement years in 2018-19. The average number of job offers per recruiter for various Schools has ranged between 2 and 10.

#### **i) Placement**

601 placement offers from 174 Companies in 2018-19.

Between 20%-75% of eligible students of different Schools were placed successfully, a number of them opting for higher education.

39 students of the School of Agriculture qualified in Junior Research Fellowship in 2019.

Key recruiters include

- Jaro Education, Byjus, Seiggy. Tata Trent and Kotak Bank for Management
- Photon Infotech, Aditya Birla Ultratech Cement and Mindfire for School of Engineering and Technology
- Asahi Glass India, Biocrux, RSB Global, Tata Projects for Social and Vocational Education and Technology
- Syngenta Foundation, Harsha Trust, BAIF, DCM Sriram Bioseeds for School of Agriculture

#### **5. OVERVIEW OF INCOME AND EXPENDITURE FOR THE YEAR 2018-19**

The CFO gave an overview of income and expenditure of the University for the financial year 2018-19.

#### **6. APPROVAL OF THE ACADEMIC MATTERS: APPROVAL OF COURSES & SYLLABI**

The analysis of the feedback on curriculum taken from all the stakeholders, viz. Students, Teachers, Alumni, and Employers was briefly presented by Dean Academics. Based on it the modification of syllabus was discussed and made in Board of Studies and Academic Council. The course structure and syllabus for 2019-20, which was approved by the Academic Council, was presented for approval to the Board members by Dean Academics.

The Dean, Academic Affairs, presented key academic matters and requested for approval of programs/courses/domains/subjects/curriculum from the School of

Management, School of Engineering and Technology, School of Vocational Education and Training and School of Paramedics and Allied Health Sciences.

The Governing Body approved the following programs/courses/domains/subjects/curriculum.

- I. B. Tech. (CSE, ECE, EEE, EE, Civil Engg., Mech. Engg.): Basket-V courses
- II. M. Tech.
- III. MBA, MBA Data Analytics, BBA (CBCS), B.Com. (CBCS)
- IV. B.Sc. MLT
- V. B.Sc. CMB
- VI. B.Sc. MLT Work Integrated, M.Sc. MLT Work integrated B. Sc. Fisheries
- VIII. Diploma (Engg.)

## **7. APPROVAL OF ACADEMIC MATTERS: NEW PROGRAMS AND COURSES FOR 2019-20**

The Dean, Academic Affairs, presented the new programs/courses for approval to the Board members. The same were approved by Academic Council, earlier. The list of courses and programs are as follows:

- (1) B. Tech Phytopharmaceuticals
- (2) M.Tech. (Research)
- (3) MCA
- (4) MBA Pharmaceutical Management
- (5) B.A. in Applied Economics, Applied Psychology, Applied Sociology
- (6) B.Sc. Aviation
- (7) B.Sc. Biochemistry
- (8) Bachelor of Physiotherapy
- (9) B.Sc. in Emergency Medical Technician
- (10) B.Sc. in Operation Theatre Technology
- (11) B. Sc. In Anaesthesia Technology
- (12) Bachelor in Hospitality & Administration
- (13) B.Sc. Forensic Science
- (14) M.Sc. Cyber Security & Digital Forensics
- (15) Diploma in Game Development
- (16) M. Sc. In Geomatics
- (17) Skilled Programmes aligned to NSQF – Certificate courses, Diploma Courses, Advanced Diploma, B. Voc.
- (18) Value Added Courses
- (19) Skill Courses

## **8. RATIFICATION OF MOUS SIGNED FROM DECEMBER 2018 TO NOVEMBER 2019**

The following MoUs were ratified by the Board.

1. The MoU, with Biological E, Limited, Hyderabad – 26.12.2018.
2. MoU with NSDL Database Management Ltd., Mumbai – 01.01.2019.
3. MoU with Odisha Rural Development and Marketing Society (ORMAS), Bhubaneswar – 04.02.2019.
4. MoU with Rama Devi Women's University, Bhubaneswar – 25.01.2019.
5. MoU with NR Management Consultants India Pvt. Ltd. (NRMC), New Delhi – 25.01.2019.
6. MoU with Dassault Systems India Private Limited, Bengaluru – 22.02.2019.
7. MoU with Dassault Systems Foundation, Mumbai – 07.03.2019.
8. MoU with Centre for Community Development, Gajapati – 09.05.2019.
9. MoU with Odisha State Seeds Corporation Ltd. Bhubaneswar – 04.06.2019.
10. MoU with Virginia Tech India Research and Education Forum, (VTIREF), Chennai – 14.06.2019.
11. MoU with Indian Institute of Horticulture Research, (IIHR), Bengaluru – 26.06.2019.
12. MoU with ICAR-Central Tuber Crops Research Institute,(ICAR-CTCRI), Thiruvananthapuram – 26.06.2019
13. MoU with Frobenius Institute for Research in Cultural Anthropology, Goethe University, Frankfurt – 25.10.2019
14. MoU with Prime University, Dhaka, Bangladesh – 06.11.2019
15. MoU with Anna Chandra Hassan Trust, Chennai – 07.11.19
16. MoU with Bosch's India Foundation, Bangalore – 08.11.19

## 9. **RATIFICATION OF**

### **A) FACULTY/STAFF APPOINTMENTS**

The Governing Board approved the appointments of Faculty/Staff during 1st July 2018 to 30th June 2019.

The sanctioned posts of the faculty as per the programmes (Old and new) as per the student strength was approved by the Board of Governors members.

Faculty positions filled is 312 against the sanctioned posts 320 was approved.

### **A) STUDENTS INTAKE STRENGTH AND ENROLLED STRENGTH FOR 2019-20 AY**

The Vice Chancellor presented the student intake strength and the enrolled strength for approval by Board members.

The same was approved by the members of the Board.

Students Strength	Under graduate	Post Graduate	Diploma
Intake seats	1689	700	640
Enrolled strength	1489	611	624

**10. APPROVAL OF LIST OF DEGREE RECIPIENTS FOR  
CONVOCATION 2019**



The Deputy Director (QA&E) presented the list of degree recipients who will be awarded degrees during the convocation on 6th Dec 2019. The Governing Board approved the same. The mix of degree recipients is as below.

<b>Ser No</b>	<b>Program</b>	<b>Batch</b>	<b>Total No. of degree recipients</b>
1	Honorary PhD.		01
2	PhD.		12
3	M.Tech	2017-19	17
4	MBA	2017-19	26
5	MBA (Data Analytics)	2017-19	15
6	MBA (Development Management)	2017-19	3
7	MBA(Agri-Business Management)	2017-19	5
8	M.Sc.	2017-19	339
9	B.Tech	2015-19	430
10	B.Tech (Agriculture)	2015-19	72
11	B.Sc	2016-19	226
12	B.Sc (Agriculture)	2015-19	273
13	Diploma	2016-19	230
14	BA (Media & Communication)	2016-19	3
15	BBA	2016-19	18
16	BCA	2016-19	7
17	BCOM	2016-19	10
18	BSC (Optometry)	2015-19	18
19	DPHARM	2017-19	55
20	MA (Media & Communication)	2017-19	2
21	MSC(Forensic Sciences)	2017-19	9
22	BSC (Medical Laboratory Technology)	2016-19	5
23	BSC (Radiology & Imaging Technology)	2016-19	3
24	MSC (Medical Laboratory Technology)	2017-19	5
25	MSC (Agriculture)	2017-19	21
<b>GRAND TOTAL</b>			<b>1805</b>

The Director, Quality Assurance presented the Annual report for Examination (2018-19 AY) and the same was approved by the Board members.

## **11. APPROVAL OF GOLD MEDAL LIST AND MERIT LIST FOR THE YEAR 2019**

The Director (QA&E) presented the list of 09 Gold Medalists who will be awarded medals during the convocation on 6th December 2019. The Governing Board approved the same. The mix of medal recipients is as below.

M. Sc - 1 No.  
MBA - 1 No.  
B.Tech.- 1 No.  
B.Tech (Ag) – 1  
No. B.Sc. – 1 No.  
B. Sc. Ag – 1  
No. Diploma – 1  
No. D.Pharm – 1  
No. ITI – 1 No.

The Director (QA&E) presented the list of Merit Certificate Recipients for the year 2019. The Governing Board approved the same. The Merit Certificate recipients mix is as below.

M. Sc - 5 Nos.  
M.Sc (Agriculture) – 1 No.  
M.Tech – 1 No.  
MBA - 1 No.  
B.Tech.- 6 Nos.  
B.Tech (Ag) – 1  
No. B.Sc. – 7 Nos.  
B. Sc. Ag – 1 No.  
B.Sc (Optometry) – 1 No.  
BBA – 1 No.  
Diploma – 1 No.  
D.Pharm – 1 No.

## **12. ANY OTHER POINT WITH THE PERMISSION OF THE CHAIR**

The Vice Chancellor placed the following items for the discussion and approval of the Board.

1. The **Research Promotion Policy** of the University which was implemented in May 2017 was discussed by the Vice Chancellor. Board members suggested to have Research Centers covering the thrust areas of research to streamline the efforts of the Faculty research teams.  
Vice Chancellor further presented the Office Circular announcing the **Research Incentive Policy (Faculty Performance Incentives) implemented in May 2019**.
2. One time examination for all students of the University who have completed their studentship period.  
The Governing Board approved the same.



3. Skip of Credits for award of B. Tech Degree for 2011, 2012, 2013 and 2014 admission batches.  
The Governing Board approved the same and suggested that a Special Committee be formed to decide which of the core courses should not be skipped.
4. Credit Equivalence of Experiential Learning by Diploma students  
The Governing Board approved the same and suggested that a Special Committee be formed to define the credit for practice or field work.
5. Articulation Committee to be formed at University level to take care of all future credit equivalence cases.
6. Changes in the names of Schools
  - a) School of Disaster Management renamed as School of Climate and Disaster Studies
  - b) School of Architecture to become School of Design
7. New Schools
  - a) School of Agricultural and Bio Engineering
  - b) School of Fisheries
8. The Admission Policy for the year 2019, the Scholarship Policy 2019, the Reservation Policy 2019, the E-governance report were presented by the Vice Chancellor for approval by the members of the Board Members.

All the above points were approved by the Board.

The members of the Board of Governors appreciated the efforts of the Senior Management Team, Faculty and Staff to make the University move in the path of expansion and growth.

Invitation for the 7th Convocation of the University was issued to the Members of the Governing Board.

The meeting ended with a vote of thanks to the Chair and members of the Governing Board.



**REGISTRAR**  
(CUTM, Odisha)



## Annexure I

### **MINUTES OF THE GOVERNING BOARD OF THE CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA HELD ON OCTOBER 1, 2020 THROUGH ONLINE MODE**

The Following members were present.

1. Prof. Mukti Kanta Mishra, President, CUTM	Chairman
2. Prof. D N Rao, Vice President, CUTM	Member
3. Prof. Supriya Pattanayak, Vice Chancellor, CUTM	Member
4. Prof. Omkar Nath Mohanty	Member
5. Dr. Mohan Kanda, IAS (Retd.)	Member
6. Prof. Sudhakar Panda	Member
7. Dr. Mary Bage	Member
8. Shri P.N.S.V Narasimham	Member
9. Shri Aditya Sapru	Member
10. Dr. D. P. Pattanayak	Member
11. Dr. Radhakant Padhi, Provost	Invitee
12. Mr. Vineet Chhatwal, CEO	Invitee
13. Prof. P. K. Mohanty, Dean Academic	Invitee
14. Prof. Jyoti Sayantani, Director QA & Examination	Invitee
15. Shri Himansu Sekhar Kabi, CFO	Invitee
16. Prof. Anita Patra, Registrar	Member Secretary

Apologies from:

1. Shri Saswat Kumar Mishra, IAS, Commissioner cum Secretary Member
2. Prof. C. R. Rao, Emeritus Professor Member
3. The State Government has not nominated the local MLAs (MLA Mohana and MLA Khorda) to the Board of Governors this year.

The following agenda items were discussed in the meeting.

1. Welcome address by the Chairman
2. To confirm the minutes of the previous meeting of the Board of Governors held on December 05 2019
3. To review the action taken on the decisions of the previous meeting of the Board of Governors
4. Report on the Activities of the University during the Academic year 2019-20

5. Income & Expenditure – An Overview
6. Approval of the Academic matters: Course structure and syllabi
7. Approval of Academic Matters: New Programs
8. Ratification of MOUs signed with (December 2019 to September 2020)
9. Ratification of
  - a) all Appointments of Faculty/Staff during 1st July 2019 to 30th June 2020
  - b) Students intake strength and enrolled strength for 2020-2021 AY.
10. Approval of List of Degree Recipients for Convocation 2020
11. Approval of Gold Medal recipients and Merit List for the year 2020
12. Any other point with the permission of the Chair

## **1. WELCOME ADDRESS BY THE CHAIRMAN OF THE GOVERNING BOARD**

The Chairman welcomed all the members and invitees to the meeting of the Governing Board and briefed about the new developments in the University. He highlighted the following points.

- 1.1 The 7<sup>th</sup> Convocation of the University will be held in virtual mode and Hon'ble Governor Prof. Ganeshi Lal would preside over it. It will held on 5<sup>th</sup> Dec 2020.
- 1.2 University has been given the status of Skill university and the university is a certifying body pan India. National Employability Enhancement Mission (NEEM) and the Assessment cell has been able to bring in revenue for the university. There is enormous scope to work with the state governments across the country. This also helps in increasing the employability of Assessors.

### **Suggestions by Board Members**

The University had gone for the online examinations for the end semester examination due to the global pandemic situation. Hence, the examination pattern needs to work upon a system that will ensure that students will be assessed better.

Active MoUs and the activities against each MoUs to be discussed in coming meetings.

The Articulation committee to prudently use the policy of Multiple entry and multiple Exit policy of NEP.

University may start the Best Innovation Awards and Best Teacher awards for faculty members.

The Research Promotion policy which is already there for the University will have to incorporate all the requirements of the Research Centers.

## **2. TO CONFIRM THE MINUTES OF THE PREVIOUS MEETING OF THE GOVERNING BOARD**

Since no comment was received from the members of the Governing Board, the minutes of the previous meeting as presented by the Vice Chancellor was ratified by the Board unanimously.

The Chairman signed the minutes.

### **3. TO REVIEW THE ACTION TAKEN ON THE DECISIONS OF THE PREVIOUS MEETING OF THE BOARD OF GOVERNORS**

The Vice Chancellor briefed on the action taken on the decisions taken in the previous meeting of the Board of Governors.

### **4. REPORT ON THE ACTIVITIES OF THE UNIVERSITY FOR THE ACADEMIC YEAR 2019-20**

The Vice Chancellor presented the Activities of the University for the Academic year 2019-20 with following highlights.

#### **3.1 Top Lines**

- i. During the COVID 19 Pandemic, working closely with the Government of Odisha, Centurion University provided premises in Paralakhemundi to operate a COVID Hospital. Further it provided its residences for the accommodation of medical staff. Premises were also provided for setting up returnee quarantine centers.
- ii. A week following the first lockdown, the University moved to online delivery of its programs on the impartus platform, conducted online exams on the co-cubes platform and now the online convocation.
- iii. All the online teaching material was quickly placed on an online courseware (courseware.cutm.ac.in) which is a highly commendable effort by the faculty to ensure the availability of the same to all students.
- iv. A new agenda for the University called the ‘Winds of Change’ clearly set out the future direction of the University. Embracing digital was identified as the way forward. There was also a decision to focus on R&D – products, patents, publications, consulting/ projects and securing grants.
- v. Our faculty along with industry partners is developing its own LMS and examination system based on open source platforms such as Sakai and Big

Blue Button. This will not only help us to further enhance our capabilities but also create a national resource that can be offered to other HEIs as well.

### **3.2 Recognitions**

- i. Centurion University became a member of the Global Alliance of Disaster Research Institutes (GADRI).
- ii. Centurion University was awarded with Education Excellence 2020.

### **3.3 Appointments**

- i. The University has appointed Professor R.K.Padhi of Indian Institute of Science as Honorary Provost
- ii. Dr. Jharna Majumdar (AI and ML) and Dr. Sekhar Majumdar (Computational Mathematics/ CFD) have been appointed as Distinguished Professors of Eminence

### **3.4 Courses Offered**

- i. The University offers 72 Certificate, 26 Advanced Certificate, 14 Diploma courses 69 under-graduate and 54 post-graduate and doctoral programs through different Schools, located in four constituent campuses across Odisha, at Paralakhemundi, Bhubaneswar, Rayagada, and Bolangir with a student strength of 5569 as on September 2020 (this excludes new intake as admission is continuing).
- ii. For the 2020-21 academic session, the University launched the following new courses:
  - Bachelor in Aviation (with partner GATI) (as a specialization of Mechanical.
  - MBA in Rural and Urban Development Management (with partner COSA)

Further, with the approval from Paramedics Board, Govt of Odisha, the following undergraduate and certificate programs have been launched:

BSc in Anesthesia Technology  
BSc Emergency Medical Technology  
BSc Operation Theatre Technology  
Certified Ophthalmic Surgical Assistance  
Certified OT Technician  
Certified Dialysis Technician  
Certified ECG Technician  
Certified Ward Technician  
Certified EMG Technician  
Certified Blood Collection Technician



The choice of domain specialisations offered to students have also been expanded:

Business Analytics

- Communication
- Systems Cyber Security

Data Analytics – Visualization

- Gaming and Immersive Learning (AR, VR)
- Embedded System Design
- Software Technology
- Cloud Technology
- Agri Business Management
- Commodity and Food Storage

Composite Design and Manufacturing

- Construction Planning and Project Management Food Processing
- Protected Horticulture
- Smart Agriculture
- Aerial Surveying and Remote Sensing Applications Automobile Engineering
- Architectural and Structural Design
- Business Analytics

Computational Fluid Dynamics

- Chip Design and Fabrication using VLSI
- Dairy Processing and Development
- Genetic Engineering and Genomics
- Data Science and Machine Learning
- Industrial Automation
- Manufacturing (Conventional, CNC and Additive) Intensive Aquaculture
- Organic Farming
- Nutraceuticals
- Operation and Maintenance of Electrical Grid System and Transformers Renewable Energy Applications

Smart Farm Machinery

- Soil and Water Conservation through Watersheds Welding and Inspection

Go-To-Market Product Development

Financial Institutions, markets and Services

### **3.5 Teaching and Quality Assurance**

- i. Choice Based Credit System (CBCS) consolidated in engineering and applied science, and introduced in Diploma programs.
- ii. The University, in its attempt at mainstreaming digital technologies, has adopted MOOCs, immersive technologies, virtual labs as well as upgrades to our learning management systems.
- iii. Online learning/ lab records for students are maintained for better learning and its traceability.
- iv. Student specific action plans for timely graduation and realization of career objective are used as tools for mentoring by the faculty.
- v. The University conducts about 151 regular semester examinations for 37 programs in a year in which approximately 80166 answer-books are evaluated for 1527 subjects.
- vi. In addition, 2 Examinations on Demand (EOD) for 1387 subjects were conducted where students had a choice to register backlogs they wanted to clear.
- vii. The University conducted online specialized Faculty Development Programs each day since the lockdown, such as 3D manufacturing, Machine Learning, Artificial Intelligence, Block Chain Technology, Ocular Oncology, Gene Analysis Techniques, etc
- viii. The University has introduced a new platform, Myperfectice, for training and placement. The curriculum has incorporated a mandatory job readiness program.

### **3.6 Research, Consulting and Outreach**

#### *i. Entrepreneurship Development*

The Center for Innovation and Entrepreneurship has promoted 25 startups in the MSME platform of the Government of Odisha. These include Centurion Fab (Metallic Utilities: Table, Chair, Almirah, Bed, Desk, Grill etc.) Centurion Woodworks (Wooden products and modular accessories), Gram Tarang Garments (Uniforms, Customized Bag, T Shirts with Screen/ Embroidered Printing), Centurion Transformers (Manufacturing and repairing of electrical transformers of different power and size, providing training on transformer repairing and manufacturing, providing consultancy services on manufacturing and maintenance of different types of transformers) to name a few.

Gram Tarang Foods is in the process of securing the first order of 5kgs of CO2 extracted turmeric oil from Robertet which is a feather in its cap.

ii. *Innovation Agriculture Project*

Innovation Agriculture Project funded by National Skill Development Corporation continues. Centurion University is working in 12 LWE districts of Tribal dominated South Odisha and North coastal Andhra Pradesh through 12 training centers. This project is implemented in collaboration with Non-Government Organizations like Harsha Trust and SACAL in Odisha and BREDS in Andhra Pradesh. As on November 2019, Centurion has trained 3918 farmers and 180 Community Resource Persons and has facilitated the enhancement of their incomes.

iii. *Project Atal*

This project aims to develop a scalable, sustainable training-cum-production model that creates social infrastructure and leverages technology as well as market intelligence to equip farmers with locally relevant knowledge and skills resulting in enhancement of their income. In short, the project envisions doubling farmer's income by training and certification of 100,000 small and marginal farmers (of which 70,000 have been completed across 27 districts) through specially developed 200 local Krishi Udyog Sahayaks (KUS) in 200 blocks of Odisha. 75 Recognition of Prior Learning (RPL) camps will become semi-permanent training cum production centres. 9 Farmer experience zones are being setup in Pradhan Mantri Kaushal Kendras (PMKKs). Producer groups are being created among farmers and Last Mile Distribution Company (LMDC) has been set up to provide market linkage. The project has also the mandate to assess and certify the faculty and students of the School of Agriculture by the Agriculture Sector Skill Council of India (ASCI).

iv. *Andhra Pradesh Agri RPL Project*

Centurion University and Gram Tarang have signed MoU with Society for Employment Generation and Enterprise Development in Andhra Pradesh (SEEDAP) for training of 3000 farmers in Srikakulam, Vizianagaram and Visakhapatnam districts of Andhra Pradesh on three job roles: Cashew Cutter, Coffee Cutter and Millet Cutter.

vi. *Collaborative Research with Himalaya Drugs*

The School of Agriculture successfully completed the Pilot and Commercial plant projects including germination studies for medicinal weed crops. From this research initiative emerged the B.Tech in Phytopharmaceutical and Himalaya Drugs is on the Advisory Board

vii. *Initiatives in the Area of Energy*

Through 'Suryamitra Skill Development Programme' and 'Clean Energy Entrepreneurship Development Program', the Centre for Renewable Energy and

Environment has developed more than 620 skilled work force and 30 Clean Energy Entrepreneurs in the state of Odisha for exploiting solar energy in partnership with Ministry of Nonconventional and Renewable Energy, Government of India, Odisha Renewable Energy Development Agency, SELCO Foundation, Schneider Electric and Harsha Trust. In 2019, the Centre has installed more than 250 solar street lights within the campus to reduce carbon footprints. It is working towards Bio CNG production from kitchen waste.

The University, in its endeavor to skill development in power sector, has started with repair of distribution transformers of various electricity utility companies in its workshops. In 2019, it has started manufacturing and executing the order for 200 numbers of 11 kV/0.4 kV-Distribution Transformers up to 500 KVA capacity in its workshop. This has been integrated to the course curriculum. The students actively participate, gain hands-on knowledge and are evaluated by the Industry-experts before qualifying for the degree. This helps in developing a cadre of skilled manpower for preventive maintenance of transformers in rural area, with the ultimate aim of increasing electric power availability. In addition, the Centre is facilitating erection of grid interactive solar power plant of half a Megawatt capacity each in its Bhubaneswar and Paralakhemundi campuses.

- viii. The University focus on research that has social impact and is SDG aligned has led to the creation of 26 Research and Application Centers. They are:

- Computational Mathematics,
- Communication Technologies,
- Center for Smart Infrastructure,
- Center for Manufacturing,
- Center for Fintech,
- Center for Drug Design and Delivery,
- Center for Phyto Pharma,
- Center for Smart Agriculture and Allied Sector,
- Center for Innovation and Entrepreneurship,
- Center for Agriculture Production,
- Center for Data Sciences,
- AI and Robotics,
- Center for Bioelectronics,
- Center for Chip Making,
- Center for e-mobility solutions,
- Center for Space and Earth Sciences,
- Center for New Material Applications,
- Center for Lasers,
- Center for Genetics and Genomics,
- Center for Governance and Sustainable Societies,
- Center for Medical Diagnostics,
- Center for Waste to Wealth Management,
- Center for Digital Manufacturing,

Center for Ed-Tech and Skills Tech  
and Center for 3DS Applications.

- ix. The University faculty under the leadership of Dean School of Applied Sciences and in some instances with industry partners, has undertaken the following initiatives related to product development:

Hyperspectral image analysis to detect brown plant hopper attack to rice plants at an early stage

Hyperspectral image analysis to detect moisture level in soil to control irrigation (Sun Moksha)

Analysis of Nitrogen content in rice leaves by image analysis

Analysis of chlorophyll content in leaves by image analysis. This technique will be applied to determine chlorophyll content distribution in a rice field.

Microgravity 3D printer using FDM technology (for submission to ISRO)

Phenotyping of plants based on RGB analysis and 3D printed strain sensor (Submitted to BIRAC-BIG)

Technology for ornamental aquaculture (Project submitted)

Controlled fertigation system based on AI based requirement of water, fertilizer and pesticide (UK-Karnataka initiative)

Prototype for aflatoxin detection kit

Electrochemical synthesis of graphene

Fire proof coating

Liquid-liquid extraction column for isolation of phytochemicals

Chromatography column for isolation of phytochemicals

Repaired spray drier and vacuum drier

Developing a heating system at GTF to prevent clogging of pipeline by sticky phytoextracts.

Application of Biovia Discovery studio, Materials Studio and Pipeline pilot in simulations

- x. *Patents and Publications*

In 2019-20, 21 patents have been published and 3 copyrights from its research. Further, 3 patents and 3 design applications are in the pipeline, 2 copyrights are also under consideration.

In 2019-20, 52 students have registered in doctoral program. This year 8 candidates have been awarded PhD. Further, the University is awarding its second Honorary Doctorate to Dr. Somnath Sreedhara Panicker, Director Vikram Sarabhai Space Center, in the field of Space Science.

In 2019-20, the faculty of the University had 2093 publications in indexed national and international journals.

*xi. Community Outreach*

The University has adopted a concept of ‘Adarsh Gram’ to promote sustainable livelihood security and quality of life of village communities around its campuses. Patikota village near Paralakhemundi campus is the pilot case in implementation of six dimensions of development such as Education, Health, Livelihood, Natural Resources, Infrastructure and Governance.

Under Unnat Bharat Abhiyan of the Ministry of Human Resource Development, Government of India, the University adopted 5 villages such as Barlanda, Badigam, Routpur, Jhampiguda and Engersingh in the Gajapati district.

#### **4.6 Collaboration**

Students and faculty from many foreign Universities and Institutions undertake teaching, training and research programs at the Centurion University. Students from the universities and institutes of Australia, Norway, University of California, Santa Cruz, USA and other countries regularly visit Centurion University as a part of their academic programs.

Centurion University’s linkage with its Alumni Association has been further strengthened by closely integrating it with the curriculum development, class room teaching, student internship and placement support.

In 2019-20, MOU has been signed with Skyline University, Ethiopia

#### **4.7 Conferences and Seminars**

During the year, a number of workshops and conferences were organised by the University.

Some of these include

At the Paralakhemundi Campus:

4th International Conference on “Management, Sciences, Engineering and Applications” (ICMSEA-2019) was organized by Centurion University, Odisha at Paralakhemundi Campus in December 2019.

A Colloquium on Nano-Science was organized by Department of Chemistry, School of Applied Sciences in December 2019.

At the Bhubaneswar Campus:

Computer Science Engineering Department organized workshop on Web Services Using Advanced JAVA delivered by the Industry Consultant on December 2019.

School of Forensic Sciences and School of Pharmacy and Life Sciences organized National Seminar on Recent Advances and Challenges in Forensic Crime Investigation in December 2019.

Department of Physics organized a National conference on Nanotechnology for Smart Materials in July 2020.

School of Management organized a seminar on Marketing Strategies in the Digital Era in February 2020.

School of Management organized a seminar on Challenges and Opportunities for Entrepreneurs in the new normal during and Post Pandemic in September 2020.

Department of Botany organized a National Conference on Biotechnological Approach towards Crop Improvement in July 2020.

Department of Zoology organized a seminar in DNA Profiling in January 2020.

Department of Zoology organized a National Virtual Conference on Challenges and Opportunities in Applied Zoology in August 2020.

#### **4.8 Extra-Curricular Activities**

Students, faculty and staff organised Independence Day, visit to Adrut Children's Home, Blood Donation Camp, Engineers' Day, Yoga Day, Kindness Day, Street Play & Flash Mob, Gandhi Jayanti, Ganesh Puja, Health Check-up Camp, visit to Madhur Mayee Adarsh Siksha Niketan, Nukkad Natak, Raksha Bandhan, National Sports Day, Teachers' Day, Viswakarma Puja, Eco-Craft Workshop, Sustainable Enterprise Award, Run for Unity, Debate Competition for District Vigilance Awareness Week, Function to Bring Smile on Someone's Face this Diwali, National Education Day and Awareness Camp on World Diabetics Day in 2019. The University conducted the Youth Parliament for the first time in 2018-19.

#### **4.9 Placement**

5 Despite being a pandemic year, Centurion University has done relatively well in placement in 2019-20. We have crossed over a 1000 offers.

Between 20%-75% of eligible students of different Schools were placed successfully, a number of them opting for higher education.

Key recruiters include

- Jaro Education, Byjus, Swiggy, Tata Trent and Kotak Bank for Management
- Dassault Systemes, Photon Infotech, Aditya Birla Ultratech Cement and Mindfire for School of Engineering and Technology
- Asahi Glass India, Biocrux, RSB Global, Tata Projects for Social and Vocational Education and Technology

- Syngenta Foundation, Harsha Trust, BAIF, DCM Sriram Bioseeds for School of Agriculture

## **5. OVERVIEW OF INCOME AND EXPENDITURE FOR THE YEAR 2019-20**

The CFO gave an overview of income and expenditure of the University for the financial year 2019-20.

## **6. APPROVAL OF THE ACADEMIC MATTERS: APPROVAL OF COURSES & SYLLABI**

The analysis of the feedback on curriculum taken from all the stakeholders, viz. Students, Teachers, Alumni, and Employers was briefly presented by Dean Academics. Based on it the modification of syllabus was discussed and made in Board of Studies and Academic Council. The course structure and syllabus for 2020-21, which was approved by the Academic Council, was presented for approval to the Board members by Dean Academics.

The Dean, Academic Affairs, presented key academic matters and requested for approval of programs/ courses/ domains/ subjects/ curriculum from the School of Management, School of Engineering and Technology, School of Vocational Education and Training and School of Paramedics and Allied Health Sciences.

The Governing Body approved the following programs/ courses/ domains/ subjects/ curriculum.

### **(A) Changes/ Modifications in syllabus**

- I. B. Tech (CSE, ECE, EEE, Civil, Mechanical, Aerospace, Mining)
- II. 2. B. Tech (Ag. Engineering, Phytopharmaceuticals, Dairy Technology)
- III. Diploma in (Electrical, Mechanical, Mining, Civil and CSE)
- IV. BSc. Ag Hons 5. B.Sc. (Physics, Chemistry, Mathematics, Botany, Zoology, )
- V. M.Sc. (Physics, Chemistry, Mathematics, Botany, Zoology)
- VI. BCA
- VII. MBA, MBA Development Management, MBA Agribusiness Management,
- VIII. BBA (CBCS), B.Com. (CBCS)
- IX. BA (Media & Communication), MA (Media & Communication)

### **(B) New courses/ syllabus**

Value Added Courses

Skill Courses

**(C) Syllabus passed with no modification (same as the previous year syllabus) are as follows:**

MSc. Ag

B.Sc. Fisheries



**7. APPROVAL OF ACADEMIC MATTERS: NEW PROGRAMS AND COURSES FOR 2020-2**

The Dean, Academic Affairs, presented the new programs/courses for approval to the Board members. The following programmes/courses are proposed to offer online mode under various Research centres of the University with effect from 2021 academic session;

Diploma Courses: 14

Advanced Diploma: 27

Certificate Courses: 72

DMET Certificate courses: 09 under School of Paramedics & Allied Health Sciences

Diploma Courses:

1	Diploma in Nutraceuticals
2	Diploma in Additive Manufacturing
3	Diploma in Manufacturing (Conventional, CNC and Additive)
4	Diploma in Cloud Technology
5	Diploma in Dairy Processing and Development
6	Diploma in Operation and Maintenance of Electrical Grid System & Transformers
7	Diploma in Industrial Automation
8	Diploma in GO-TO-MARKET(3D Experience)
9	Diploma in Automobile Engineering
10	Diploma in Organic Farming
11	Diploma in Seed Production using Manual and Molecular Methods
12	Diploma in Smart Agriculture

13	Diploma in Protected Horticulture
14	Diploma in Welding and Inspection

Advanced Diploma:

1	Diploma in Nutraceuticals
2	Diploma in Additive Manufacturing
3	Diploma in Manufacturing (Conventional, CNC and Additive)
4	Diploma in Cloud Technology
5	Diploma in Dairy Processing and Development
6	Diploma in Operation and Maintenance of Electrical Grid System & Transformers
7	Diploma in Industrial Automation
8	Diploma in GO-TO-MARKET(3D Experience)
9	Diploma in Automobile Engineering
10	Diploma in Organic Farming
11	Diploma in Seed Production using Manual and Molecular Methods
12	Diploma in Smart Agriculture
13	Diploma in Protected Horticulture
14	Diploma in Welding and Inspection
15	Advanced Certificate in CNC Operation and Programming
16	Advanced Certificate in Welding Inspector
17	Advanced Certificate in Automotive Service Technician
18	Advanced Certificate in Supervisor (CAD/CAM)
19	Advanced Certificate in Associate Welding Inspector
20	Advanced Certificate in Automotive Supervisor
21	Advanced Certificate in Draughtsman
22	Advanced Certificate in Store Keeper
23	Advanced Certificate in Assistant Surveyor
24	Advanced Certificate in Supervisor (Construction)
25	Advanced Certificate in HEMM Mechanic
26	Advanced Certificate in Mining Surveyor

### CERTIFICATE COURSES

1	Certificate in Apparel Production & Marketing
2	Certificate in Light Motor Vehicle Driving
3	Certificate in Fork Lift Operation
4	Certificate in Heavy Vehicle Technology
5	Certificate in Two Wheeler Service Technology
6	Certificate in Four Wheeler Service Technology
7	Certificate in E-Vehicle Assembly and Service Technology
8	Certificate in Introduction to Robotics
9	Certificate in CNC Machinist
10	Certificate in CNC Programming
11	Certificate in Design Supervising of Wooden and Modular Furniture
12	Certificate in 3D Modelling
13	Certificate in Precast Concrete Manufacturing
14	Certificate in Fabrication
15	Certificate in Hi-Tech Surveying
16	Certificate in Internet of Things
17	Certificate in Mechatronics System Design
18	Certificate in Drug Design using Biovia
19	Certificate in Introduction to Nanotechnology
20	Certificate in Camera Operation
21	Certificate in Editor
22	Certificate in Digital Publishing
23	Certificate in 3D Game Art
24	Certificate in Emergency Medical Technicnology
25	Certificate in Medical Lab Technology
26	Certificate in Radiology Technology
27	Certificate in Phlebotomy Technology
28	Certificate in General Duty Assistance Service
29	Certificate in X- ray Technology
30	Certificate in Retail Sales
31	Certificate in Phytotpharma
32	Certificate in Gym Fitness
33	Certificate in Swimming
34	Certificate in Beauty Therapy

35	Certificate in Solar PV Installation
36	Certificate in Solar Lighting Technology
37	Certificate in Gardening
38	Certificate in Microgrid Design and Implementation
39	Certificate in Solar Driven Equipment Assembly
40	Certificate in Solar Thermal Engineering
41	Certificate in Introduction to Highperformace Computing
42	Certificate in Organic Farming
43	Certificate in Mushroom Farming
44	Certificate in Hydroponics Technology
45	Certificate in Poultry Farming
46	Certificate in Dairy Farming
47	Certificate in Vermicomposting Farming
48	Certificate in Transformer Manufacturing, Repairing and Maintenance
49	Certificate in CCTV Installtion
50	Certificate in Electrical Installation
51	Certificate in Repair and Maintainance of Home Applianaces
52	Certificate in Refrigeration and air conditioning
53	Certificate in Super critical Co2 plant operation
54	Certificate in Seed Production - Paddy
55	Certificate in Paddy Processing and marketing
56	Certificate in Business Plan Preparation
57	Certificate in Dairy Plant operation
58	Certificate in Fruit Processing with Dryers
59	Certificate in Introduction to Composite Fabrication
60	Certificate in Powder Coating Practice
61	Certificate in Farm Appliances Operation
62	Certificate in Sewage Treatment Plant Operation
63	Certificate in Adobe Tools and Illustrations
64	Certificate in Bio fertilisers preparation
65	Certificate in Introduction to Block Chain Technology
66	Certificate in Digital Painting
67	Certificate in Introduction to Computational Biology
68	Certificate in Product Life Cycle Management through Gate process
69	Certificate in Spectral image processing using Python
70	Certificate in Additive Manufacturing

## Certificate Courses by SoPAHS approved by DMET

Certified Ophthalmic Surgical Assistance  
Certified OT Technician  
Certified Dialysis Technician  
Certified ECG Technician  
Certified Ward Technician  
Certified EMG Technician  
Certified Blood Collection Technician

## **8. RATIFICATION OF MOUS SIGNED FROM DECEMBER 2019 TO SEPTEMBER 2020**

The following MoUs were ratified by the Board.

1. MoU with Vasudhaika Software Pvt. Ltd., Bangalore – 12-12-2019
2. MoU with Centre For Sustainable Agriculture, Secunderabad – 31-01-2020
3. MoU with Shankaranarayana Life Sciences LLP, Bengaluru – 15-02-2020
4. MoU with Paygate India Private Limited – 09-03-2020
5. MoU with IFFCO Kisan Sanchar Limited (IFFCO KISAN), New Delhi -- 21-05-2020
6. MoU with Skyline University Nigeria (SUN), Nigeria – 02-06-2020
7. MoU with Perfectice Eduventure Private Ltd. – 21-07-2020
8. MoU with UP Education & Iquery Australia – 23-07-2020
9. MoU with Wipro Enterprises (P) Limited – 30-07-2020
10. MoU with James Cook University, Singapore – 30-07-2020
11. MoU with Trilochan Netralaya , Budharaja, Sambalpur – 17-08-2020
12. MoU with SunMoksha Power Pvt. Ltd-18-08-2020
13. MoU with Mednutra Pvt. Ltd. – 20-08-2020

## **9. RATIFICATION OF**

### **A) FACULTY/STAFF APPOINTMENTS (01-10-2019 to 31-10-2020)**

The Governing Board approved the appointments of Faculty/Staff during from 01-10-2019 to 31-10-2020

The sanctioned posts of the faculty as per the programmes (Old and new) as per the student strength was approved by the Board of Governors members.

Faculty positions filled is 332 against the sanctioned posts 335 was approved.

### **A) STUDENTS INTAKE STRENGTH AND ENROLLED STRENGTH FOR 2020-21 AY**

The Vice Chancellor presented the student intake strength and the enrolled strength for approval by Board members.

The same was approved by the members of the Board.

Students Strength	Under graduate	Post Graduate	Diploma
Intake seats	1799	725	440
Enrolled strength	1550	655	421

## 10. APPROVAL OF LIST OF DEGREE RECIPIENTS FOR CONVOCATION 2020

The Deputy Director (QA&E) presented the list of degree recipients who will be awarded degrees during the convocation on 5th Oct 2020. The Governing Board approved the same. The mix of degree recipients is as below.

Ser No	Programme	Batch	Total no. of Degree Recipients
1	Honorary PhD.		1
2	PhD.		8
3	M.Tech	2018-2020	32
4	M.Sc	2018-2020	424
5	M.Sc (Agriculture)	2018-2020	1
6	M.Sc (Applied & Clinical Microbiology)	2018-2020	17
7	M.Sc (Forensic Science)	2018-2020	21
8	M.Sc (Medical Laboratory Technology)	2018-2020	2
9	MA (Media & Communication)	2018-2020	2
10	MBA	2018-2020	23
11	MBA (Development Management/ Agribusiness Management)	2018-2020	3
12	B.Tech	2016-2020	530
13	B.Tech (Agriculture)	2016-2020	43
14	B.Pharmacy	2016-2020	53
15	B.Sc	2017-2020	214
16	B.Sc (Agriculture)	2016-2020	301
17	B.Sc (Optometry)	2016-2020	15
18	B.Sc (Clinical Microbiology)	2017-2020	6
19	B.Sc (Medical Radiation Technology)	2017-2020	11
20	B.Sc (Medical Laboratory Technology)	2017-2020	5
21	B.A (Media & Communication)	2017-2020	2
22	B.Com	2017-2020	3





23	BBA	2017-2020	42
24	BCA	2017-2020	12
25	Diploma	2017-2020	144
26	D. Pharmacy	2018-2020	114
<b>GRAND TOTAL</b>			<b>2029</b>

Director, Quality Assurance presented the Annual Report for Examination (2019-20 AY) to the Board members and the same was approved.

### **11. APPROVAL OF GOLD MEDAL LIST AND MERIT LIST FOR THE YEAR 2020**

The Director (QA&E) presented the list of Gold Medalists who will be awarded medals during the convocation on 5<sup>th</sup> Oct 2020. The Governing Board approved the same. The mix of medal recipients is as below.

- M. Sc - 1 No.
- B.Tech.- 2 Nos.
- B.Tech (Ag) – 1
- No. B.Sc. – 1 No.
- B. Sc. Ag – 1 No.
- B.Pharm - 1 No.
- Diploma – 1 No.
- D.Pharm – 1 No.

The Director (QA&E) presented the list of Merit Certificate Recipients for the year 2020. The Governing Board approved the same. The Merit Certificate recipients mix is as below.

- M. Sc - 7 Nos.
- M. Tech – 3 Nos.
- B. Tech.- 9 Nos.
- B.Tech (Ag) – 1
- No. B.Sc. – 8 Nos.
- B. Sc. Agriculture – 1 No.
- B. Sc Optometry – 1 No.

B. Sc (Radiology Imaging Technology) – 1 No.

BCA – 1 No.

B. Pharmacy – 1 No.

D. Pharmacy – 1 No.

Diploma – 5 Nos.

## **APPRECIATION**

The members of the Board of Governors appreciated the efforts of the Senior Management Team, Faculty and Staff for being able to quickly adapt to the pandemic situation and be able to move everything to online platform in very less time. Further, the university has been able to productively use the time for Faculty development, publications, patents, revising the syllabus, preparing the complete courseware etc.

The Board members mentioned that Centurion University is already ahead of the National Education Policy (NEP) announced recently by Education Minister. The Credit bank system, multiple entry and exit, constituent campuses concept are already a part of the university system. With new people like Dr. Radhakant Padhi, Dr. Jharana Majumdar, and collaborations with Dr. Chandrasekhar of Wipro 3D, the university will be able to work with rigor and focus on Research and product development.

Further, they complimented the promoters, as the University has been able to support the district administration in their fight against COVID 19

## **12. ANY OTHER POINT WITH THE PERMISSION OF THE CHAIR**

- **The Vice Chancellor placed the following items for the discussion and approval of the Board.**
  1. The MBA (Development Management) was considered to be renamed as MBA (Rural and Urban Development Management).
  2. The End semester examinations for EVEN Semester for Academic year 2019-20 was held online due to pandemic situation. Some students have not attended the examinations and have opted for the offline mode. Hence, those students of 2020 pass out batch, who will appear for offline examinations (whenever University campus opens for students) would receive their degrees on successfully passing the examinations.

This was approved by the Board members.

3. In view of the pandemic, the delayed start, and due to equity concerns, the Academic year was extended to facilitate all students appearing the examinations.
4. Examination related: As AICTE has revised the credit requirements for various programs, it was determined that instead of retaining students with backlogs in the system, they could be allowed to skip credits to meet the current requirements, and they could be allowed to graduate. Skip of core courses will not be allowed.
5. Honorary Provost has announced **faculty awards** for their achievements. There are awards for students too. This is in addition to the other research incentives for the faculty.
6. Education Social Responsibility to be highlighted in the university and its reports. All the academic and extension activities that we are doing in the villages and neighboring communities to be put together as ESR.
7. The current pay scale to be gradually aligned with the seventh pay scale going forward. Working towards 100 percent PhD faculty should be aimed in coming year. Faculty to be encouraged to add to their CV and augment their earning through consultancy projects and grant funding.

- **Vice Chancellor discussed the work of Research Centers** and their future plans. The Board members suggested to have full time Research Scholars mapped to the RCs. That would strengthen the RCs.

Vice Chancellor informed the members about the Faculty circular on Research Activities and Support of July 2020.

Vice Chancellor informed about the **revised Policy on Research Promotion in August 2020.**

- **The Admission Policy for the year 2020, the Scholarship Policy 2020, the Reservation Policy 2020, the E-governance report were presented by the Vice Chancellor for approval by the members of the Board Members.**

**The same were approved by the Board Members.**

Invitation for the 8th Convocation of the University was issued to the Members of the Governing Board.

The meeting ended with a vote of thanks to the Chair and members of the Governing Board.



**REGISTRAR**  
(CUTM, Odisha)





## Annexure I

### **MINUTES OF THE GOVERNING BOARD OF THE CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA HELD ON NOVEMBER 20, 2021 AT BHUBANESWAR CAMPUS (HYBRID MODE)**

The Following members were present in the meeting.

1. Prof. Mukti Kanta Mishra, President, CUTM	Chairman
2. Prof. D N Rao, Vice President, CUTM	Member
3. Prof. Supriya Pattanayak, Vice Chancellor, CUTM	Member
4. Prof. Omkar Nath Mohanty	Member
5. Prof. Sudhakar Panda	Member
6. Dr. D. P. Pattanayak	Member
7. Prof. Radhankanta Padhi, Honorary ProVost	Invitee
8. Dr. Dipankar Bhattacharyay, ProVC (Research & Learning)	Invitee
9. Prof. P. K. Mohanty, Dean Academic	Invitee
10. Prof. Jyoti Sayantani, Director QA & Examination	Invitee
11. Shri. Debasis Panda, CFO	Invitee
12. Prof. Anita Patra, Registrar	Member Secretary

In online mode:

13. Prof. C R Rao, Emeritus Professor	Member
14. Shri P.N.S.V Narasimham	Member
15. Shri Aditya Sapru	Member

Apologies from:

1. Shri Saswat Kumar Mishra, IAS, Commissioner cum Secretary	Member
2. Dr. Mary Bage	Member
3. Dr. Mohan Kanda, IAS (Retd.)	Member

The following agenda items were discussed in the meeting.

1. Welcome address by the Chairman
2. To confirm the minutes of the previous meeting of the Board of Governors held on October 01, 2020

3. To review the action taken on the decisions of the previous meeting of the Board of Governors
4. Report on the Activities of the University during the Academic year 2020-21
5. An Overview of Income and Expenditure statement 2020-21
6. Approval of the Academic matters: Course structure & syllabi
7. Approval of Academic Matters: New Programs
8. Ratification of MOUs signed with (September 2020 to October 2021)
9. Ratification of
  - a) all Appointments of Faculty/Staff during 1<sup>st</sup> July 2020 to 30<sup>th</sup> June 2021
  - b) Students intake strength and enrolled strength for 2021-2022 AY.
10. Approval of List of Degree Recipients in the 9<sup>th</sup> Convocation of the University to be held on November 26, 2021
11. Approval of Gold Medal recipients and Merit List for the year 2021
12. Any other point with the permission of the Chair

## **1. WELCOME ADDRESS BY THE CHAIRMAN OF THE GOVERNING BOARD**

The Chairman welcomed all the members and invitees to the meeting of the Governing Board and briefed about the new developments in the University. He highlighted the following points.

- 1.1 The 9<sup>th</sup> Convocation of the university will be held in physical mode at Bhubaneswar campus on 26<sup>th</sup> November 2022. Hon'ble Governor Prof. Ganeshi Lal would preside over it. The Chief Guest for the Convocation will be Mr. Barry O' Farrell, A.O., The Australian High Commissioner to India. He informed that the 10<sup>th</sup> Convocation will be a milestone in the history of the University and will be conducted in a grand way at the Parlakhemundi campus. He insisted that all members of the Board of Governors should be present at this grand event. He also informed the members that 2022 is the Silver Jubilee year for JITM which was established as a Engineering college in the year 2007. Year long celebrations will culminate in November in 2022 with a grand HOME COMING event.
- 1.2 The Covid 19 first wave and second wave challenges were highlighted. University has smoothly and effectively adopted to online teaching and examination. The loss of one of our senior team member Mr. Aditya Saikia was informed and further, the President informed about the Advanced Skill Center at Bhubaneswar campus being named after him.
- 1.3 The National Education Policy 2020 has been announced and Centurion University is already performing as per the guidelines.

- 1.4 The university is planning to establish 200 bedded hospital at Bhubaneswar campus and also starting a Nursing course at Bhubaneswar and Parlakhemundi campuses.
- 1.5 The University has recently admitted 150 Nigerian students for Maritime Studies. Further, for the courses in Allied Health, the university intends to also reach out to other African countries.
- 1.6 The university was ranked in NIRF 151-200 band. We hope to be seen in top 100 in the coming year and efforts for the same are underway particularly in Publications, patents and Research grants. This year university has also applied for ARIIA ranking and the results are awaited.
- 1.7 The University has applied for Times Higher Education Ranking (social impact) which falls in line with the United Nations Sustainable Development Goals (SDGs). President was pleased to inform the house that university was already undertaking several activities which helped in documenting its efforts towards achieving the SDGs.
- 1.8 The members were informed of the University's decision to withdraw from the NAAC process. The university will reapply in 2022.

### **Suggestions by Board Members**

- There was very clear recommendation that the MoUs signed by the university need to be classified in a manner as to indicate the active ones, specify the activities to be undertaken and assign responsibilities.
- University has achieved a lot in last 10 years. It was suggested by the members to have a action plan for next 5 years so we focus accordingly.
- A gap in availability of books for Diploma was recognised and it was suggested that the university undertake the publication of such books. It was also recommended that the membership of the International Federation for Diploma be explored, to start with and recommend the same to Government of India.
- Post Covid the importance of mental health issues should not be undermined and services for both students and faculty/staff should be started.

## **2. TO CONFIRM THE MINUTES OF THE PREVIOUS MEETING OF THE GOVERNING BOARD**

Since no comment was received from the members of the Governing Board, the minutes of the previous meeting as presented by the Vice Chancellor was ratified by the Board unanimously.

The Chairman signed the minutes.

## **3. TO REVIEW THE ACTION TAKEN ON THE DECISIONS OF THE PREVIOUS MEETING OF THE BOARD OF GOVERNORS**

The Vice Chancellor briefed on the action taken on the decisions taken in the previous meeting of the Board of Governors.

### **ACTION POINTS**

The Vice Chancellor, in response to the previous minutes placed the following items for the knowledge of the Board. Below are the list of suggestions by the Board and the action taken:

1. The 2020 BoG had suggested to take precaution in the conduct of online examinations. Online examinations were conducted with a fixed pattern which was primarily objective type. Efforts were made to offer theory courses. Practical examinations were also conducted online through virtual labs, while the first semester theory and practical courses were also conducted offline. (An analysis of results did not indicate a wide variation from physical examinations).
2. Active MoUs are 68 (out of 198) in number and they are being regularly reviewed. A few examples are provided below:
  - Banking Finance and Insurance, Nepal (BFIN): Two groups of Banking/Microfinance professionals came for Training. Vice Chancellor, Registrar and Director Admissions had visited BFIN, Kathmandu University and Global College to sign MoUs and give a fillip to the same.
  - SAMET: As an outcome of this MoU, 150 Nigerian Government sponsored candidates will be pursuing their BTech in Mechanical Engineering with Domain Specialisation in Marine Engineering.
  - CIFA (2018): Students are undertaking internships and collaborating for projects in Fishery Sciences and PhD Research.
  - Himalaya Drugs (2018): Close collaboration with Himalaya has led to the establishment of the BTech Phytopharmaceutics course. The syllabus is constantly reviewed by an Advisory Committee comprising of several industry professionals.
  - RD Women's University: MoU has led to providing skill courses in 7 areas (Retail and Hospitality, 3D Modelling and Animation, Medical Lab Technician, Heritage and Ecotourism, Assistant Fashion Designer, Computer Accountancy and Tally, Digital Technology and Application, in



which 408 students underwent training). We are currently pursuing the second year engagement under the same.

- Digital Eye Mitra: (a). Essilor-2.5 NVG team will facilitate in developing the optometry lab at Centurion and an Optical unit at the Community Diagnostic Centre of the Centurion University. This unit would conduct Vision Screening events in nearby communities and dispense good quality spectacles at affordable prices. (b). Centurion University will conduct assessment at the 15 Digital Eye Mitra Training Centres (MP-5, MH-4, BH-3, AP-3) after completion of 6 months of training programme. Training centre team would share the training and assessment plan on monthly basis with Centurion University. Subsequently, qualified candidates would be certified by the Centurion University (Certificate may be co-branded with the Eye Mitra logo, as it is a global trademark of Essilor).
- Kailash Fisheries (2018): Student internship and research.
- IRRI (2018): Academic Research
- Dassault Systems (2018): Academic partner for software for student domain training and faculty research
- NTNU (2017): MoU with NTNU (Norway Science and Technology University) has provided funding (UTFORSK Norwegian Government) to enable student and faculty exchange and supporting internships in rural Odisha and AP. The number of internships are likely to increase and efforts are being made for the next funding.
- Silicon Tech Lab Pvt Ltd (2016): Student internship and placement

3. Articulation Committee to prudently use the policy of Multiple Entry and Multiple Exit Policy of NEP.

Articulation Committee is yet to be established. However, the Management has facilitated the movement of two students from CUTM Odisha to CUTM AP. We are presently working on mapping of courses of Engineering to Diploma so as to enable students enrolled in Engineering (unable to complete) to be awarded a Diploma.

4. Best Innovation and Best Teacher Awards for faculty members: University Pro-Vost awards for higher studies (students), Research and Innovation (for faculty) have been instituted and the first round awarded.
5. Several Research Centers have been merged and the final count is 21. The Research Promotion Policy is under revision.

#### **4. REPORT ON THE ACTIVITIES OF THE UNIVERSITY FOR THE ACADEMIC YEAR 2020-21**

The Vice Chancellor presented the Activities of the University for the Academic year 2020-21 with following highlights.

**The Vice Chancellor presented the Activities of the University for the Academic year 2020-21 with following highlights.**

#### **4.1 Top Lines**

- i. During the past year, the impact of the COVID 19 pandemic continued, and classes and examinations continued to be offered in the online mode. This was not without its challenges. However, an analysis of results indicated that the results prior to and during the pandemic were comparable. However, since the Government declared the public institutions be opened following all COVID protocol, the University has opened to full physical classwork.
- ii. The University being completely aligned to the United Nations Sustainable Development Goals, has applied for the Times Social Impact Ranking.
- iii. In the past year the University has been in the process of applying for Swayam ODL.
- iv. The Institution Innovation Council has been established during this period.
- v. The Center for Innovators and Entrepreneurs was also established currently incubating about 20 start ups (both high tech (3ds); and community oriented and socially inclusive)
- vi. In pursuance of its focus on R&D – products, patents, publications, consulting/ projects and securing grants, the faculty published over 3000 articles, books and book chapters and conference proceedings, filed 27 patents and 7 copyrights; further the University provided consulting & training of Rs. 17 crores.

#### **4.2 Recognitions**

- i. Centurion University became a member of the Global Alliance of Disaster Research Institutes (GADRI).
- ii. Centurion University was awarded with Education Excellence 2020.

#### **4.3 Appointments**

When the world was downsizing, the Centurion University employed 57 new faculties.

There has been problem with retention as well, even at the senior level.

#### **4.4 Courses Offered**

- vii. The University offers 72 Certificate, 26 Advanced Certificate, 14 Diploma courses 69 under-graduate and 54 post-graduate and doctoral programs through

different Schools, located in four constituent campuses across Odisha, at Paralakhemundi, Bhubaneswar, Rayagada, and Bolangir with a student strength of 5569 as on September 2020 (this excludes new intake as admission is continuing). In addition, the University offered 110 skill courses that are NSQF compliant and 41 value added courses.

- i. For the 2020-21 academic session, the University launched the following new courses:
  - o Bachelor in Aviation (with partner GATI) (as a specialization of Mechanical).
  - o MBA in Rural and Urban Development Management (with partner COSA)

Further, with the approval from Paramedics Board, Govt of Odisha, the following undergraduate and certificate programs have been launched:

- o BSc in Anesthesia Technology
- o BSc Emergency Medical Technology
- o BSc Operation Theatre Technology
- o Certified Ophthalmic Surgical Assistance
- o Certified OT Technician
- o Certified Dialysis Technician
- o Certified ECG Technician
- o Certified Ward Technician
- o Certified EMG Technician
- o Certified Blood Collection Technician

The choice of domain specialisations offered to students have also been expanded:

- Business Analytics
- Communication Systems
- Cyber Security
- Data Analytics – Visualization
- Gaming and Immersive Learning (AR, VR)
- Embedded System Design
- Software Technology
- Cloud Technology
- Agri Business Management
- Commodity and Food Storage
- Composite Design and Manufacturing
- Construction Planning and Project Management
- Food Processing
- Protected Horticulture
- Smart Agriculture
- Aerial Surveying and Remote Sensing Applications
- Automobile Engineering

- Architectural and Structural Design
- Business Analytics
- Computational Fluid Dynamics
- Chip Design and Fabrication using VLSI
- Dairy Processing and Development
- Genetic Engineering and Genomics
- Data Science and Machine Learning
- Industrial Automation
- Manufacturing (Conventional, CNC and Additive)
- Intensive Aquaculture
- Organic Farming
- Nutraceuticals
- Operation and Maintenance of Electrical Grid System and Transformers
- Renewable Energy Applications
- Smart Farm Machinery
- Soil and Water Conservation through Watersheds
- Welding and Inspection
- Go-To-Market Product Development
- Financial Institutions, markets and Services

#### **4.5 Teaching and Quality Assurance**

The University, in its attempt at mainstreaming digital technologies, has adopted MOOCs, immersive technologies, virtual labs as well as upgrades to our learning management systems. It has also applied for ODL.

Student specific action plans for timely graduation and realization of career objective are used as tools for mentoring by the faculty.

The University conducts about 2 regular semester examinations for 38 programs in a year in which approximately 73162 answer-books are evaluated for 1062 subjects.

In addition, 3 Examinations on Demand (EOD) for 2223 subjects were conducted where students had a choice to register backlogs they wanted to clear.

The University is consolidating the use of the platform, Myperfectice, for training and placement. The curriculum has incorporated a mandatory job readiness program. The University further conducted a series of mock personal interviews with students which helped enhance their confidence.

A new software has been developed to track the operations of the Research Center and Dr. Dipankar Bhattacharya, appointed as the Pro-VC (Research and Learning) has undertaken to monitor and support the RCs.

#### **4.6 Collaborations**

During the year the University signed MoUs with 10 institutions within the country and 5 institutions outside the country. Further, our relationship with existing collaborators has been deepened and widened.

- Shankaranarayana Life Sciences Llp, Bengaluru (Sn Life Sciences)  
Encourage and facilitate co-operation in the fields of Biotechnology, Agriculture, Ag Engg., Microbiology and Food Sciences
- Trilochan Netralaya, Budharaja, Sambalpur  
Student's Employability
- Paygate India Private Limited  
Software
- IFFCO Kisan, New -Delhi  
Research & Development
- Cognitive DLP  
Student's Employability
- Skyline University Nigeria (SUN), Nigeria  
Academic Collaboration, Faculty & Student Exchange Programme
- Singapore Campus of James Cook University  
Student's Higher Education
- UP Education & iQuery Australia  
Student's Higher Education
- Vraddhi Organic Agro India Pvt. Ltd., Mathura (UP)  
Student's Higher Education
- Wipro  
Project
- Sunmoksha Power Pvt. Ltd  
Research Project
- Mednutra Pvt. Ltd.  
Project
- Catosoft Technologies Pvt Ltd  
For internships & placements with the company clients
- Gajju Technologies Private Ltd.  
Students Loan Purpose
- Digital Eye Mitra  
Lab Upgradation, support to Community Diagnostic Center, CUTM to conduct assessment of Training
- Banking Finance and Insurance Nepal  
Management Development Program
- Kathmandu University and Global College  
Student exchange, Faculty exchange, Joint research and publications
- SAMET  
International Students

#### **4.7 Research, Consulting and Outreach**

##### *i. Entrepreneurship Development*

The Center for Innovation and Entrepreneurship has promoted 25 startups in the MSME platform of the Government of Odisha. These include Centurion Fab (Metallic Utilities: Table, Chair, Almirah, Bed, Desk, Grill etc.) Centurion Woodworks (Wooden products and modular accessories), Gram Tarang Garments (Uniforms, Customized Bag, T Shirts with Screen/ Embroidered Printing), Centurion Transformers (Manufacturing and repairing of electrical transformers of different power and size, providing training on transformer repairing and manufacturing, providing consultancy services on manufacturing and maintenance of different types of transformers) to name a few.

*ii. Instamoney*

Insta Money is an instant banking application developed to empower the local kiranas, shops, retail stores and other merchants to make extra income by providing Aadhaar Banking, Individual and Group Loans, Digital Payment Services across India. Insta Money intends to appoint atleast 1 Lakh Agents across India and market Banking Services, Insurance, Mutual Funds and non-financial products too in future. This application has been developed in-house by GT Tech.

*iii. Telengana Minorities Residential Educational Institutions Society, Hyderabad (TMREIS)*

The MoU between CUTM and TMREIS aims to establish a strong partnership as training and knowledge partners for TMREIS Junior College of vocational program at TMR institutions by extending consultancy in developing and co-creating curriculum with alliance with Board of Intermediate, establishment of the laboratory and industrial tie-ups.

*iv. Transformers*

CUTM has on order of repairing and manufacturing 352 transformers for Tata Power amounting to Rs.3.5 crores. In 2021-22, we have already received orders for Rs.17 crores. Students actively participate, gain hands-on knowledge and are evaluated by the Industry- experts before qualifying for the degree. This helps in developing a cadre of skilled manpower for preventive maintenance of distribution transformers, with the ultimate aim of increasing electric power availability. Students actively participate, gain hands-on knowledge and are evaluated by the Industry- experts before qualifying for the degree. Further, CUTM engages with the area of renewable energy by incorporating in the syllabus and also enables skill courses for students from other states (Maharashtra). Installation of 500kw of rooftop solar panels is in progress.

*v. E-vehicles*

CUTM has an order of manufacturing and delivering 150 E-vehicles to Karnataka Government.

*vi. Projects*

CUTM has been successful in three applications one to DBT, and 2 DST.

CUTM has an assignment for Product development and manufacturing (Day Cream) from Naturals.

CUTM has been successful in getting two Atal FDPs: Computational Fluid Dynamics (26-30 July 2021) and another in the area of Additive Manufacturing (22-26 November 2021).

CUTM was successful in getting a COVID round funding from ICSSR. Also has been shortlisted for a Azim Premji Grant.

vii. *Community Outreach*

The University has established a Community Diagnostic Center to provide services to the local community and hands on practice to the students of Allied Health.

#### **4.8 Extra-Curricular Activities**

Students, faculty and staff organised Independence Day, visit to Adrut Children's Home, Blood Donation Camp, Engineers' Day, Yoga Day, Kindness Day, Street Play & Flash Mob, Gandhi Jayanti, Ganesh Puja, Health Check-up Camp, visit to Madhur Mayee Adarsh Siksha Niketan, Nukkad Natak, Raksha Bandhan, National Sports Day, Teachers' Day, Viswakarma Puja, Eco-Craft Workshop, Sustainable Enterprise Award, Run for Unity, Debate Competition for District Vigilance Awareness Week, Function to Bring Smile on Someone's Face this Diwali, National Education Day and Awareness Camp on World Diabetics Day in 2019. The University conducted the Youth Parliament for the first time in 2018- 19. A number of activities related to SDGs and Mental Health were the focus of this year.

#### **4.9 Placement**

Despite being a pandemic year, Centurion University has done relatively well in placement in 2020-21. The outcome of the relentless efforts of the Placement Team resulted in 1102 offers from 142 Companies in 2020-21.

### **5. OVERVIEW OF INCOME AND EXPENDITURE FOR THE FINANCIAL YEAR 2020-21**

The CFO gave an overview of income and expenditure of the University for the financial year 2020-21.

### **6. APPROVAL OF THE ACADEMIC MATTERS: APPROVAL OF COURSES & SYLLABI**

The analysis of the feedback on curriculum taken from all the stakeholders, viz. Students, Teachers, Alumni, and Employers was briefly presented by Dean Academics. Based on it the modification of syllabus was discussed and made in Board of Studies and Academic Council.

The course structure and syllabus for 2021-22, which was approved by the Academic Council, was presented for approval to the Board members by Dean Academics.

There has been minor change/ modifications in syllabus of SoET, SoM and SoVET. The new courses/syllabus of value added courses and skill courses were developed for all programmes. The syllabus of programme under SoASc, SoM, MSSSoAg, SoFSc, SoPLSc and SoPAHSc are approved with no modifications.

The Governing Body approved the following programs/courses/domains/subjects/curriculum.

**(A) Changes/ Modifications in syllabus**

- i. B. Tech (CSE, ECE, EEE, Civil, Mechanical, Aerospace, Mining and Biotech) B. Tech (Ag. Engineering, Phytopharmaceuticals, Dairy Technology)
- ii. Diploma in (Electrical, Mechanical, Automobile, Mining, Civil and CSE)
- iii. BSc. Ag Hons
- iv. BCA and BSc IT
- v. MBA, MBA Development Management, MBA Agribusiness Management, MBA Pharmacy
- vi. BBA (CBCS), B.Com. (CBCS)

**(B) Syllabus passed with no modification (same as the previous year syllabus) are as follows:**

- i. B.Sc. (Physics, Chemistry, Mathematics, Botany, Zoology, IT)
- ii. M.Sc. (Physics, Chemistry, Mathematics, Botany, Zoology)
- iii. MSc. Ag,
- iv. B.Sc. Fisheries
- v. B.Sc. Forensic Science
- vi. M.Sc. Cyber Security & Digital Forensics



- vii. D. Pharma, B. Pharma
- viii. M.Sc. (Medical Laboratory Technology, Applied Clinical Microbiology)
- ix. B.Sc. (Medical Laboratory Technology, Applied Clinical Microbiology, Medical Radiation Technology, Optometry, Anaesthesia Technology, Emergency Medicine Technology, Operation Theatre Technology)
- x. Diploma in Medical Laboratory Technology, Medical Radiology Technology
- xi. Certified Ophthalmic Assistant, Certified Ophthalmic Surgical Assistant, Certified OT Technician, Certified Dialysis Technician, Certified ECG Technician, Certified EEG Technician, Certified Ward Technician, Certified EMG Technician, Certified Blood Collection Technician (courses approved Directorate of Medical Education and Training, Odisha)

## **7. APPROVAL OF ACADEMIC MATTERS: NEW PROGRAMS AND COURSES FOR 2021-22**

The Dean, Academic Affairs, presented the new programs/courses for approval to the Board members. The same were approved by Academic Council, earlier.

The list of new programmes and courses to be offered by the university with effect from 2021-22 academic session:

<b>SI No.</b>	<b>New Programme</b>	<b>School</b>
1	BSc Wellness and Cosmetology	SoAS
2	BSc Marine Operations	SoMS
3	BSc Pharma Chemistry	SoAS
4	Master of Optometry	SoPAHS
5	MSc Nutraceuticals	MSSSoA
6	MSc Plant Genomics	MSSSoA
7	MCA	SoET
8	MSc Geoinformatics	SoAS
9	M.Pharm	SoPLS
10	B.Sc. Animation and Multimedia	SoMC
11	B.Voc	SoVET
12	B.Tech Mechanical with Marine Domain	SoET

### **New courses/revised syllabus**

- (1) Value Added Courses;
- (2) Skill Courses;
- (3) Domain courses;

### **8. RATIFICATION OF MOUS SIGNED FROM SEPTEMBER 2020 TO OCTOBER 2021**

The following MoUs were ratified by the Board.

1. MoU with Vraddhi Organic Agro India Pvt. Ltd., Mathura (UP) – 30-09-2021
2. Mou with Catosoft Technologies Pvt Ltd., New Delhi – 30-10-2020
3. MoU With Gajju Technologies Private Ltd. Maharashtra – 03-12-2020
4. MoU with Odisha State Seeds Corporation Ltd. Bhubaneswar – 07-01-2021
5. MoU with IIT, Bhubaneswar – 23-01-2021
6. MoU with Banking Finance & Insurance Institute of Nepal ( BFIN) – 25-02-2021
7. MoU with Santhigiri Ashram, Kerala – 01-05-2021
8. MoU with National Accreditation Board for Testing and Calibration Laboratories (NABL),Kolkota – 18-06-2021
9. MoU With Hitachi Vantara University, Trans Neuron Technologies, New Delhi – 22-06-2021
10. MoU with RSB Transmission (I) Ltd. Pune – 29-07-2021
11. MoU with Talentedge Education, Mumbai – 28-07-2021
12. MOU with Ashwini Group of Hospitals, Odisha – 26-07-2021
13. MoU with Confederation of Indian Industry, New Delhi – 30-07-2021
14. MoU with Springdale Maritime Academy (SAMET Trust), Bhubaneswar – 05-08-2021
15. MoU With General Aeronautics & Fly Tech Aviation Ltd. Bangalore – 07-08-2021
16. MoU with Global College International Mid Baneshwor, Kathmandu, Nepal – 13-08-2021
17. MoU with Srinergy Cleantech Private Limited Hyderabad – 13-08-2021

18. MoU with Telangana Minorities Residential Educational Institutions Society (TMREIS) Hyderabad – 26-08-2021
19. MOU with Entrepreneurship Cell, IIT Kharagpur – 27-08-2021
20. MoU with National Mineral Development Corporation (NMDC) Hyderabad – 17-09-2021
21. MoU with Kathmandu University, Dhulikhel, Nepal – 02-11-2021

## 9. RATIFICATION OF

### A) FACULTY/STAFF APPOINTMENTS (01-10-2020 to 31-10-2021)

The Governing Board approved the appointments of Faculty/Staff during from 01-10-2020 to 31-10-2021

The sanctioned posts of the faculty as per the programmes (Old and new) as per the student strength was approved by the Board of Governors members.

Faculty positions filled is 365 against the sanctioned posts 370 was approved.

### A) STUDENTS INTAKE STRENGTH AND ENROLLED STRENGTH FOR 2021-22 AY

The Vice Chancellor presented the student intake strength and the enrolled strength for approval by Board members.

The same was approved by the members of the Board.

Students Strength	Under graduate	Post Graduate	Diploma
Intake seats	1789	745	360
Enrolled strength	1636	743	352

## 10. APPROVAL OF LIST OF DEGREE RECIPIENTS FOR CONVOCATION 2021

The Director (QA&E) presented the list of degree recipients who will be awarded degrees during the convocation on 26<sup>th</sup> November 2021. The Governing Board approved the same. The mix of degree recipients is as below.

Sl. No.	Program	Batch	Total no. of Degree Recipients
1	PhD.		23
2	M.Tech	2019-21	29
3	MBA	2019-21	45

4	MBA (Data Analytics)	2019-21	12
5	MBA (Pharmaceutical Management)	2019-21	3
6	MBA (Agribusiness Management)	2019-21	7
7	MBA (Development Management)	2019-21	0
8	M.Sc	2019-21	438
9	M.Sc (Medical Laboratory Technology)	2019-21	2
10	M.Sc (Applied & Clinical Microbiology)	2019-21	11
11	M.Sc (Forensic Science)	2019-21	13
12	M.Sc (Cyber Security & Digital Forensics )	2019-21	5
13	M.Sc (Agriculture)	2019-21	18
14	MA (Media & Communication)	2019-21	4
15	B.Tech	2017-21	344
16	B.Tech (Agriculture)	2017-21	63
17	BPHARM	2017-21	60
18	B.Sc (Hons) Agriculture	2017-21	264
19	Bachelor of Fisheries Science	2017-21	13
20	B.Sc (Optometry)	2017-21	29
21	B.Sc	2018-21	232
22	B.Sc (Medical Laboratory Technology)	2018-21	10
23	B.Sc (Medical Radiation Technology)	2018-21	42
24	B.Sc (Clinical Microbiology)	2018-21	14
25	BCA	2018-21	18
26	BA (Media & Communication)	2018-21	2
27	BBA	2018-21	44
28	BBA (Retail & Hospitality)	2018-21	11
29	BCOM (Banking & Accounting)	2018-21	47
30	DIPLOMA	2018-21	208
31	DPHARM	2019-21	130

32	DCHP	2019-21	3
GRAND TOTAL			2144

Director Quality Assurance presented the Annual report of Examinations (2020-21 AY) and the same was approved by the Board members.

## 11. APPROVAL OF GOLD MEDAL LIST AND MERIT LIST FOR THE YEAR 2021

The Director (QA&E) presented the list of 15 Gold Medalists who will be awarded medals during the convocation on 26th November 2021. The Governing Board approved the same. The mix of medal recipients is as below.

- M. Sc - 1 No.
- MBA – 1 No.
- B.Tech.- 1 No.
- B.Tech (Ag) – 1 No.
- B.Sc – 2 Nos.
- B.Sc. (Allied Health) – 1 No.
- B. Sc. Ag – 1 No.
- B.Pharm - 1 No.
- BBA – 1 No.
- B.Com - 1 No.
- Diploma – 1 No.
- D.Pharm – 1 No.
- ITI – 2 Nos.

The Director (QA&E) presented the list of 46 Merit Certificate Recipients for the year 2019. The Governing Board approved the same. The Merit Certificate recipients mix is as below.

- M. Sc - 5 Nos.
- M. Tech – 1 No.
- MBA – 1 No.
- MBA (Data Analytics) – 1 No..
- MBA (Agribusiness Management) – 1 No.
- M.Sc (Agriculture) – 1 No.
- M.Sc (Forensic Science) – 1 No.
- M.Sc (Applied & Clinical Microbiology) – 1 No.
- B. Tech.- 8 Nos.
- B.Tech (Agriculture) – 1 No.
- B.Sc. – 7 Nos.
- B. Sc. Agriculture – 1 No.
- Bachelor of Fisheries Science - 1 No.
- B. Sc Optometry – 1 No.

- B. Sc (Medical Laboratory Technology) – 1 No.
- B. Sc (Medical Radiation Technology) – 1 No.
- B.Sc (Clinical Microbiology) – 1 No.
- BBA – 1 No.
- BBA (Retail & Hospitality) - 1 No.
- B.Com - 1 No.
- BCA – 1 No.
- B. Pharmacy – 1 No.
- D. Pharmacy – 1 No.
- Diploma – 6 Nos.

## **12. ANY OTHER POINT WITH THE PERMISSION OF THE CHAIR**

- The Vice Chancellor placed the following items for the discussion and approval of the Board.
  2. New School: School of Maritime Studies was proposed to the Board for approval. The school would provide B.Sc. in Marine Operations in 2021. Eventually other programs as per the demand of the market would be offered from the School.  
The members of Board of Governors approved the new school.
  3. New School: School of Veterinary Science was proposed to the Board. It was proposed to establish a veterinary college as per Minimum Standards of Veterinary Education (MSVE) 2016 Regulations of Veterinary Council of India (VCI) from the academic year 2022-23, with all the required posts and facilities approved. The Board of Governors authorized Dr. Anita Patra, Registrar, CUTM, Odisha to act on behalf of the CUTM on all aspects of the establishment and running of the Veterinary College
  4. Dr. Dipankar Bhattacharyay, Professor, School of Applied Sciences has been designated as Pro Vice Chancellor (Research & Learning).
  5. M S Swaminathan School of Agriculture, CUTM has applied for ICAR accreditation for M.Sc Ag Horticulture (Vegetable Science) – 30 no. seats, M.Sc. Ag (Agronomy) – 30 no. seats, M.Sc. Ag (Genetics and Plant Breeding) – 30 no. seats, M.Sc. Ag (Agricultural Extension & Communication) – 10 no. of seats.

6. The Admission Policy for the year 2021, the Scholarship Policy 2021, the Reservation Policy 2021, the E-governance report were presented by the Vice Chancellor for approval by the members of the Board Members. The same were approved by the Board Members.

- The Vice Chancellor discussed the Research activities done by the Research Centers and informed the members that there were DST and DBT approved projects bagged by the faculty of Physics, Chemistry and Biotechnology departments of the university. University has followed the revised Research Promotion Policy of 2020.

The members of the Board of Governors appreciated the efforts of the Senior Management Team, Faculty and Staff to make the University move in the path of expansion and growth.

Invitation for the 9th Convocation of the University was issued to the Members of the Governing Board.

The meeting ended with a vote of thanks to the Chair and members of the Governing Board.



**REGISTRAR**  
(CUTM, Odisha)