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**Memorandum of Understanding  
Between**

**Centurion University of Technology and Management, Paralakhemundi, Odisha  
And**

**Shankaranarayana Life Sciences LLP, Bengaluru**

**WHERE AS**

Centurion University of Technology and Management (CUTM) was formed in August 2010, through an act of Odisha Legislative Assembly. It became the First Multi-Sector State Private University in Odisha. Centurion is a globally accredited human resource center of excellence catalyzing sustainable livelihoods in the less developed markets across the globe. The university envisages the following objectives - provide quality, globally accredited academic programmes in technology and management, provision of globally accredited employability training for less endowed segments of the population, promotion of entrepreneurial culture and enterprise in the target areas, facilitate improved market access to goods and financial services to the target population and promotion of lighthouse project interventions in the target area. The focus and orientation of the University is LIVE: **Learning:** Hands on experience based and practice oriented, **Ideas:** Make a difference through appropriate and relevant innovation and actionable research, **Value:** Shaping Lives and Empowering Communities and creating Nano – Mini and Micro enterprises, **Experience:** Quantifiable Sustainable.



*[Handwritten signature]*



The mission of the university is to assist the farming community of the state by imparting education and training. The constituent colleges and research centers of the University have the responsibility of undertaking Teaching, Research and Extension in the areas of agriculture, agricultural engineering and biotechnology. The University is offering Bachelor's and Master's degree programmes in various disciplines and has many National and International research projects under operation.

**AND:**

Shankaranarayana Life Sciences LLP (SN Life Sciences), Bengaluru has two units,

1. Biotech unit (SN Biotech)
2. Food tech Unit (SN Food tech)

Where Biotech unit is involved in developing Immunological and Molecular based Detection Platforms, Diagnostics Platforms, Drug Development Methods, Bio-Pharmaceutical Products and Biotechnological Platforms in the R&D and Healthcare Industries. SN Biotech is working on developing low-cost, pen side, sensitive and rapid detection systems against various pathogens and rapid treatment for control of disease outbreaks. In the first stage of research, SN Biotech is developing molecular diagnostics platforms like PCR, M-PCR, RT-PCR, Isothermal PCR, Immuno capture PCR and molecular based SNP detections to the point of care. SN Biotech is also involved in aptamer/antibody-based services and aptamer/antibody based biosensors for rapid and cost-effective detection of deadly pathogens and toxins. These biosensors come with advantages such as, operational simplicity, high sensitivity, portability, and are inexpensive. The results from our kits are likely to be obtained within 20-30 minutes and our systems would be applicable at the bed side of the patient or in any field condition.

**The Food Tech arm** envisions creating innovative food products to ensure the best of health through right nutrition to all. Our products are developed combining traditional wisdom and modern food science in a perfect blend. We are also committed to enhance the Farmers income in real time and have developed indigenous technologies to prevent post harvest loss and provide value addition to their agri-produce. We, through our expertise in the food sector are also developing research based, highly nutritious vegan products and animal care dietary supplements

**OBJECTIVE:**

The objective of MOU is to encourage and facilitate Co-operation between CUTM, Odisha and M/s Shankaranarayana Life Sciences LLP, Bengaluru in the fields of biotechnology, agriculture, agricultural engineering, microbiology, and food sciences. The co-operation is to enable a seamless research connect in various aspects – educate, train and share knowledge to help the farming community at large.



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### **Centurion, Odisha will facilitate**

- a) Preparation of joint research projects in biotechnology, agriculture, agricultural engineering, and food sciences which are mutually beneficial to Centurion, Odisha and SN Life Sciences, Bengaluru.
- b) Provide resource and technical support to SN Life Sciences in development of research projects. Centurion welcomes scientists from SN Life Sciences to work on research projects on its campus based on the project/s demand.
- c) Provide information about farm and other production activities on campus and establish linkage between Centurion and SN Life Sciences.
- d) Financial commitment/sharing of funds will be discussed and agreed upon mutually on a case-by case basis.

### **SN Life Sciences, Bengaluru will facilitate**

- a) To make facilities available like microbiological and molecular based analysis and research on pathogens under collaborative projects
- b) Would provide technical support in the preparation of joint project proposals and to seek funding from outside agencies.
- c) Shall make available the facilities to Centurion for training / research purpose based on the requirement of the collaborative project objectives
- d) Extend consultancy services on post harvest business processes and business models.

### **CONFIDENTIALITY:**

1. This MOU may be supplemented by work plans to be developed jointly, which describe more specifically the activities to be carried out under this co-operation.
2. Centurion, Odisha and SN Life Sciences, Bengaluru may nominate members of their respective staff to work out the practical details of co-operation between two organizations in general and to ensure proper and effective implementation of this MOU as and when required.
3. Such details, as agreed upon, will be confirmed by exchange of letters between Centurion, Odisha and SN Life Sciences, Bengaluru and such approval will form part of this agreement.
4. The work plans developed require the approval of both the parties for implementation.



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5. Benefits of such improved technology, materials, machinery, process, design and techniques occurring or arising from this co-operation may be used by either or both parties with due recognition of each party's contribution and on the basis of joint agreement.
6. Results from collaborative/integrated research may be used by either or both the parties with due recognition of each party's contribution and on the basis of joint agreement.
7. Research findings as a result of this collaborative work of both the parties will be published in the public interest with joint authorship and both parties will be entirely responsible for conclusions and interpretations reported.
8. Results of collaborative research may be tried on farmer's field through farm trials and demonstrations with active participation of both the parties depending upon the availability of resources.

**DURATION OF MOU:**

This Agreement will be in effect initially for a period of five years from the date signing of this MOU by both the parties and may be renewed further if mutually agreed. Either party may terminate the agreement by written notification signed by the appropriate official of the institutions indicating the notice. The other party must receive such notice six months prior to the effective termination date. However, obligations and commitments already contracted for and involving both parties shall be honoured and continued by both the parties until such commitments are completed. In witness where of the parties hereto caused this instrument to be executed as of the month and the year indicated below:

**For Centurion University, Odisha**

Signature: *Anita Patra*

Registrar **DR. ANITA PATRA**  
Centurion University, Odisha

Date 15/02/2020 REGISTRAR  
CUTM, Paralakhemundi  
Dist. Gajapati-761211

Witness

1.

**SN Life Sciences, Bengaluru**

Signature:

Managing Director  
SN Life Sciences, Bengaluru

Date-----

2.