



# THE OXFORD COLLEGE OF SCIENCE

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## THE OXFORD SCIENCE SKILL ENHANCEMENT CENTRE (TOSSEC)

Youth employability is a very crucial factor for developing countries like India. According to the UNICEF report (2021), youth are unable to access skills required for today's job market. Every year around 28 million youth gets added to India's workforce. As per India Skills Report 2021, only 10% of the fresh graduates are employable and rest of the 90% lack industry-ready skills. Organizations today seek proficient and productive people. The Government of India has been focusing on skill development and employability of the youth. With the vision of providing skill training at affordable cost and improving employability among students, we established The Oxford Skill Enhancement Centre (TOSSEC) in the year, 2019.

## ADD-ON PROGRAMS OFFERED

### LIFE SCIENCES

- Mammalian cell culture
- Phylogenetic Analysis
- Cytotoxicity assays using animal cell culture
- Polymerase chain reaction
- Microbial biofilms
- Chromatography
- Electrophoretic techniques
- UV-spectroscopy
- Protoplast technology
- Aqua Culture
- Drosophila Genetics
- Sequence Analysis-Tools and databases
- cytological techniques
- Hematological techniques.
- Immunodetection
- DNA and Protein Profiling
- Microtomy
- Clinical Significance of Liver Enzymes
- electrolyte and Nitrogenous waste in Blood
- Stress Biochemistry
- RT-PCR
- Green synthesis of nanoparticles and its characterization
- Secondary metabolites
- Water: A Universal Solvent
- Edible Fungi Production
- Plant Growth enhancers
- Azotobacter as a promising biofertilizer

### PHYSICAL SCIENCES

- Chemistry and climate change
- Disinfectants
- Generations of mobile network
- Value distribution theory
- Algorithms and its Applications
- Coriolis Force and its Modelling
- R-Programming: A Statistical tool
- PIC Microcontrollers and Interfacing
- Arduino meets PYTHON
- OrCAD Capture for PCB Designing
- RASPBERRY PI
- Smart sensing technology
- Star Systems
- Beverages and soft drinks
- Optometry

### COMPUTER SCIENCES

- React Native
- Robotics and Python Design Patterns
- Quantum Computing
- Digital Image Processing
- Soft Computing and Techniques
- XAMPP and Apache

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