



THE COCHIN COLLEGE

Koovapadam, Kochi-2

Affiliated To Mahatma Gandhi University

Re-accredited by NAAC With B+ Grade



Fourth Cycle
NAAC Accreditation 2024

Criterion 1 Curricular Aspects

1.1 - Curricular Planning and Implementation

Metric No. 1.1.1

The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment.

Seminars and Assignments

Submitted to



National Assessment and Accreditation Council



THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Assignments And Seminars for Curriculum Delivery

Assignments and seminars play a pivotal role in the effective delivery of the curriculum. They serve as essential tools for reinforcing the knowledge acquired in the classroom, promoting critical thinking, and enhancing students' understanding of the subject matter. At least one assignment should be done in each semester for all papers in the curriculum. For each course 20% of internal marks is for Assignment. Regular assignments and seminars prepare students for their examinations by keeping them engaged with the course material throughout the academic term. They serve as a continuous assessment tool, ensuring that students are well-prepared and confident when it comes time for exams.

Assignments and seminars offer opportunities for feedback from teachers and peers. This feedback is invaluable for students as it helps them identify their strengths and areas for improvement, leading to continuous growth and learning. The process of completing assignments and preparing for seminars teaches students important life skills such as time management and discipline. Meeting deadlines and managing workload are crucial skills that benefit students not only in their academic life but also in their future careers.

Seminars provide a platform for students to present their findings and thoughts on specific topics. This exercise helps in honing their communication skills, particularly in organizing and articulating ideas clearly and confidently in front of an audience.

Assignments and seminars are integral to curriculum delivery as they enhance learning, foster essential skills, and prepare students for academic and professional success.





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochoincollege.edu.in

email: email@thecochoincollege.edu.in

ZOOLOGY ASSIGNMENT

Alan.T. Anas
Roll No: 06
Bsc CHEMISTRY





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

What is Vermicomposting

It is a type of composting in which certain species of earthworms are used to enhance the process of organic waste conversion & produce a better end-product. It is a mesophilic process utilizing microorganisms & earthworms. Earthworms feeds the organic waste materials & passes it through their digestive system & gives out in a granular form (cocoon) which is known as Vermicompost.

Simply speaking, Vermicompost is earthworm excrement, called castings, which can improve biological, chemical & physical properties of soil. The chemical secretions in the earthworms digestive tract help break down soil & organic matter, so the castings contain more nutrients that are immediately available to plants.

How is Vermicompost produced

A wide range of organic residues, such as straw, husk, leaves, stalks, weeds etc can be converted into vermicompost. Other potential feedstock for vermicompost production are livestock wastes, poultry litter, dairy wastes, food processing wastes, organic fraction of MSW, bagasse, digestate from biogas plants etc. Earthworms consume organic wastes & reduce the volume by 40-60 percent.

Each earthworm weighs about 0.5 to 0.6 gram, eats waste equivalent to its body weight & produces cast equivalent to about 50 percent of the waste it consumes in a day. The moisture content





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thechochincollege.edu.in

email: email@thechochincollege.edu.in

Applications OF Vermicompost

The worm castings contains higher percentage of both macro & micronutrients than the garden compost. Apart from other nutrients, a fine worm cast is rich in NPK which are readily available form & are released within a month of application. Vermicompost enhances plant growth suppresses disease in plants, increase porosity & microbial activity in soil, & improves water retention & aeration.

Vermicompost also benefits the environment by reducing the need for chemical fertilizers & decreasing the amount of waste going to landfills. Vermicompost production is trending up worldwide & it is finding increasing use especially in Western countries, Asia - Pacific & Southeast Asia.

A relatively new product from vermicomposting is Vermicompost tea which is a liquid produced by extracting organic matter, microorganisms & nutrients from vermicompost. Unlike vermicompost & compost, this liquid organic fertilizer may be applied directly to plant foliage, reportedly to enhance disease suppression. Vermicompost tea also may be applied to the soil as a supplement b/w compost applications to increase biological activity.

Vermicompost may be sold in bulk or bagged with a variety of compost & soil blends. Markets include home improvement centres,





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in



Figure 1: Seminar presentation by Final year Degree Student





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in



Figure 2: Seminar presentation by Second Year Degree Student





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

The students at The Cochin College can use EdSpace LMS to submit and save their assignments. It really helps them stay organized and prepares them better for exams.

The screenshot displays the EdSpace LMS interface for a student named Fathima Sana PHYUG04. The course is EL1CMT01: Basic Electronics, and the assignment is 'Stability and Biasing of Bipolar Junction Transistors (BJT...)'. The submission is titled 'electronics assignment.pdf' and was submitted on 20 February 2023 at 7:55 PM. The submission is currently 'Submitted for grading' and has a grade of 8.00 out of 15. The student's handwritten work is visible, including the title 'Base Resistor BIAS', a description of the biasing method, a circuit diagram of a BJT with a base resistor R_B connected to V_{CC} , and the equation $V_{CC} = I_B R_B + V_{BE}$.

Figure 3: Assignment submitted through EdSpace LMS

