



EXCEL ENGINEERING COLLEGE

(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA(AERO,CSE,ECE&MECH), NAAC with "A*" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

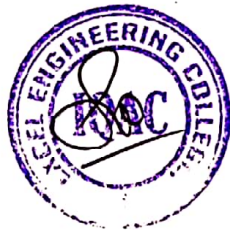
| Criteria II – Teaching Learning and Evaluation | |
|--|---|
| 2.3 | Teaching Learning Process |
| 2.3.1 | Student centric methods, such as experiential learning, participative learning and problem-solving methodology are used for enhancing learning experience |

Experiential Learning, Participative Learning, Problem Solving Methodology

| S.NO | PARTICULARS | 2022-23 |
|------|--|---------|
| 1. | Internship | √ |
| 2. | Industrial visit | √ |
| 3. | Tutorial | √ |
| 4. | Project and Field practicum | √ |
| 5. | Guest Lectures, Seminars and workshops | √ |
| 6. | Exhibitions/ Expo | √ |
| 7. | Competitions | √ |
| 8. | Club activities | √ |
| 9. | NPTEL | √ |
| 10. | Mini project | √ |


HOD

HEAD OF THE DEPARTMENT
AGRICULTURE ENGINEERING
EXCEL ENGINEERING COLLEGE
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DEPARTMENT OF AGRICULTURE ENGINEERING

STUDENT CENTRIC METHODS

ACADEMIC YEAR 2022-23

1. Internship

| Objective | Methodology | Learning Outcomes | Photographic Evidence | Peer Group list |
|--|---|--|-----------------------|-------------------------------------|
| <p>To educate the students about practical knowledge</p> | <p>By selecting the company</p> <p>By sending the students there</p> <p>Make them to learn the practical techniques</p> | <p>From this students can easily understand the processing of Agro products, processing of dairy products, storage and packaging technology.</p> | | <p>II, III and IV year students</p> |



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2. Industrial Visit

| Objective | Methodology | Learning Outcomes | Photographic Evidence | Peer Group list |
|--|---|---|-----------------------|---------------------------------|
| <p>To educate the students about field visit</p> | <p>By selecting the place</p> <p>By taking the students there</p> <p>Make them to learn the field techniques.</p> | <p>From this students can easily understand the soil and water conservation structures, milk processing and diary processing,</p> | | <p>III and IV Year students</p> |



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3. Tutorial

| Objective | Methodology | Learning Outcomes | Photographic Evidence | Peer Group list |
|--|---|--|--|-----------------|
| <p>To introduce the students to basic theory and concepts of types of processing and types of levelling.</p> | <p>To solve the problems related to levelling of different land surfaces and different unit operations.</p> | <p>From this students can easily understand the design of agricultural processing equipment's and levelling of different land areas.</p> | <div data-bbox="906 510 1321 873"> <p>Namakkal, Tamil Nadu, India CQXC+CJJ Excel Engineering college Court 2, Tamil Nadu 638008, India Lat 11.449029° Long 77.771582° 01/11/22 05:45 PM GMT +05:30</p> </div> <p>Subject: Unit Operations in Agricultural Processing</p> <p>Faculty handled : Mr.A.Sivakumar</p> <p>Topic:</p> <p>Beneficiary: III Year Agri Students</p> <div data-bbox="906 1241 1321 1604"> <p>Tiruchengode, Tamil Nadu, India CQXC+RJ9, Tiruchengode, Tamil Nadu 638008, India Lat 11.44927° Long 77.771556° 02/11/22 05:26 PM GMT +05:30</p> </div> <p>Subject: Surveying and Levelling</p> <p>Faculty handled : Mr.C.Manojprabhu AP/Agri</p> <p>Topic: Types of levelling</p> <p>Beneficiary: II Year Agri Students</p> | |




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4. Project and Field practicum

| Objective | Methodology | Learning Outcomes | Photographic Evidence | Peer Group list |
|---|--|---|---|-----------------------------|
| <p>To study the soil sampling tools collections of representative soil sample and its processing methods.</p> | <p>The soil collection methods and tools which are available in the field will be practiced by the students.</p> | <p>Students are motivated to go field visit and learn about procedure of collection of soil samples. Student shall have knowledge on soil sampling tools and collection procedures.</p> |  <p>Subject: Soil Science Engineering</p> <p>Faculty handled : Mr.D.Logachandran</p> <p>Topic: Collection of Soil Samples and its processing</p> <p>Beneficiary: II Year Agri Students</p> | <p>All II Year Students</p> |



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5. Guest Lectures, Seminars and workshops

| Objective | Methodology | Learning Outcomes | Photographic Evidence | Peer Group list |
|---|---|---|-----------------------|-------------------------------------|
| <p>To create awareness about emerging trends in Agricultural Engineering and Renewable Energy Resources</p> | <p>Our chief guest explained about the trends in solar energy, wind energy and biomass energy and Geothermal energy</p> | <p>Students actively participated in the program organized and clarified their doubts to the guest.</p> | | <p>II, III and IV year Students</p> |

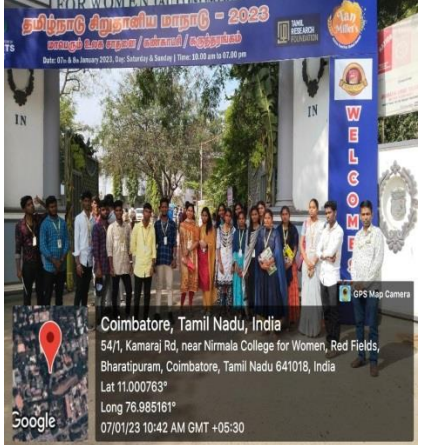


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6. Exhibitions/ Expo

| Objective | Methodology | Learning Outcomes | Photographic Evidence | Peer Group list |
|---|--|--|--|-------------------------|
| <p>To create platform for face-to-face interaction and focuses on encouraging consumer engagements.</p> | <p>By taking the students there Make them to learn and educate by showcasing and explaining concepts, discoveries, innovations, and experiments.</p> | <p>Students actively participated in the program organized and clarified their doubts.</p> |  <p>Coimbatore, Tamil Nadu, India 54/1, Kamaraj Rd, near Nirmala College for Women, Red Fields, Bharatipuram, Coimbatore, Tamil Nadu 641018, India Lat 11.000763° Long 76.985161° 07/01/23 10:42 AM GMT +05:30</p> | <p>IV year Students</p> |



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7. Competitions

| Objective | Methodology | Learning Outcomes | Photographic Evidence | Peer Group list |
|---|--|---|-----------------------|--|
| <p>In order to effectively create exams and quizzes, it is important to establish and understand the learning objectives that are being measured. For that students are engage to participate in symposiums and model making programs</p> | <p>Students are made to participate in the webinar, workshop, guest lectures and ask them to engage in all the activities related to that.</p> | <p>The students get knowledge while participate in various events organized by the departments.</p> | | <p>All the students from the department.</p> |



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8. Club activities

| Objective | Methodology | Learning Outcomes | Photographic Evidence | Peer Group list |
|---|---|--|---|---|
| <p>The aim of the club is to inculcate among students. to explore their talents</p> | <p>To conduct the competition like pledge, slogan contest, poster design, oratorical competition and social activities.</p> | <p>Our chief guest had been given tricks and ideas about the reading benefits, methods of reading, how to make one minute short film etc. to the students community.</p> |  | <p>II,III & IV year Students and Students member of literacy club</p> |



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9. NPTEL

| Objective | Methodology | Learning Outcomes | Photographic Evidence | Peer Group list |
|--|---|--|-----------------------|-------------------------|
| <p>The aim of the NPTEL is to provide high-quality education to students and professionals</p> | <p>Designed to focus on the instructional methods for a particular content area, such as writing or assessment.</p> | <p>Benefits of an NPTEL certificate are that its value is high and it is recognized by the industry.</p> | | <p>II Agri Students</p> |



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10. Mini Project

| Objective | Methodology | Learning Outcomes | Photographic Evidence | Peer Group list |
|---|--|---|---|-----------------------------|
| <p>An objective is a low-level description of the specific and measureable outcomes desired from a project. Activities and most likely deliverables will contribute to achieving the objective.</p> | <p>A methodology is a model, which project managers employ for the design, planning, implementation and achievement of their project objectives. There are different project management methodologies to benefit different projects.</p> | <p>This mini project work involves in developing, managing and achieving the objectives of an engineering project and applying professional and technical skills and knowledge in a real or simulated workplace scenario.</p> |  | <p>All IV Year students</p> |