

**PAAVAI ENGINEERING COLLEGE(Autonomous)**

DEPARTMENT OF AGRICULTURE ENGINEERING

BATCH: 2015 - 2019

2.6.2-CO ATTAINMENT

| Semester | Course code | Course Name | Target                                             | CO1 | CO2   | CO3   | CO4   | CO5   |
|----------|-------------|-------------|----------------------------------------------------|-----|-------|-------|-------|-------|
| I        | C101        | MA15101     | Matrices and Calculus                              | 50  | 64.6  | 60.6  | 53.4  | 41.2  |
|          | C102        | EN15101     | Technical English I                                | 50  | 60.34 | 61.92 | 60.00 | 62.70 |
|          | C103        | PH15101     | Engineering Physics                                | 50  | 74.20 | 76.50 | 68.60 | 51.60 |
|          | C104        | CH15101     | Engineering Chemistry - I                          | 50  | 74.20 | 76.50 | 68.60 | 51.60 |
|          | C105        | ME15101     | Engineering Graphics                               | 50  | 52.16 | 50.48 | 53.48 | 59.78 |
|          | C106        | EE15101     | Basic Electrical and Electronics Engineering       | 50  | 70.12 | 68.25 | 68.71 | 68.98 |
|          | C107        | PC 15101    | Physics & Chemistry Laboratory I                   | 50  | 78.00 | 77.90 | 80.10 | NA    |
|          | C108        | ME15103     | Computer Aided Drafting Laboratory                 | 50  | 68.25 | 74.21 | 69.35 | 68.25 |
|          | C109        | GE 15101    | Engineering Practices Laboratory                   | 50  | 68.59 | 69.48 | 66.43 | 72.84 |
| II       | C110        | MA 15201    | Differential Equations and Complex Analysis        | 50  | 68.10 | 54.60 | 59.60 | 48.90 |
|          | C111        | EN 15201    | Technical English II                               | 50  | 64.80 | 62.10 | 64.50 | 60.30 |
|          | C112        | PH 15202    | Applied Physics                                    | 50  | 75.10 | 73.60 | 68.40 | 53.20 |
|          | C113        | CH 15202    | Agricultural Chemistry                             | 50  | 70.10 | 68.60 | 63.40 | NA    |
|          | C114        | CS15201     | Computer Programming                               | 50  | 50.23 | 40.36 | 51.32 | 50.98 |
|          | C115        | ME15201     | Engineering Mechanics                              | 50  | 72.01 | 78.36 | 74.25 | 78.63 |
|          | C116        | PC 15201    | Physics & Chemistry Laboratory II                  | 50  | 75.60 | 73.80 | 70.10 | NA    |
|          | C117        | CS15202     | Computer Programming Laboratory                    | 50  | 75.05 | 72.35 | 71.52 | 68.59 |
|          | C118        | EN 15202    | English Communication Skills Laboratory            | 50  | 73.40 | 74.30 | 72.10 | 73.90 |
| III      | C201        | MA15301     | Transforms and Boundary Value Problems             | 50  | 72.40 | 74.50 | 65.90 | 59.70 |
|          | C202        | AI15306     | Strength of Materials                              | 50  | 35.42 | 37.54 | 34.59 | 32.48 |
|          | C203        | AI15301     | Principles and Practices of Crop Production        | 50  | 41.45 | 45.84 | 48.48 | 55.25 |
|          | C204        | AI15302     | Theory of Machines                                 | 50  | 55.25 | 57.29 | 58.45 | 60.28 |
|          | C205        | AI15303     | Surveying                                          | 50  | 40.15 | 42.75 | 41.23 | 50.48 |
|          | C206        | AI15304     | Unit Operations in Agricultural Processing         | 50  | 45.78 | 49.48 | 44.35 | 55.86 |
|          | C207        | AI15305     | Soil Science and Engineering                       | 50  | 65.45 | 68.18 | 69.75 | 70.12 |
|          | C208        | AI15307     | Surveying Laboratory                               | 50  | 67.85 | 74.29 | 78.45 | 80.56 |
|          | C209        | AI15308     | Crop Husbandry Laboratory                          | 50  | 66.57 | 68.28 | 69.47 | 70.49 |
|          | C210        | EN15301     | Business English Course Laboratory                 | 50  | 71.60 | 70.20 | 69.10 | 69.10 |
| IV       | C211        | MA15402     | Probability and Random processes                   | 50  | 66.2  | 54.6  | 58.1  | 62.5  |
|          | C212        | ME15405     | Thermodynamics                                     | 50  | 55.28 | 53.77 | 55.66 | 32.68 |
|          | C213        | AI15401     | Principles of Agricultural Engineering             | 50  | 56.58 | 69.36 | 72.56 | 71.36 |
|          | C214        | EC15402     | Soil and Water Conservation Engineering            | 50  | 46.87 | 22.92 | 59.37 | 38.54 |
|          | C215        | EC15403     | Hydrology and Water Resources Engineering          | 50  | 52.48 | 35.64 | 67.33 | 57.43 |
|          | C216        | EC15404     | Fluid Mechanics and Hydraulics                     | 50  | 60    | 53    | 71    | 48    |
|          | C217        | EC15405     | Drawing of Farm Structures                         | 50  | 72.45 | 76.36 | 79.58 | 78.25 |
|          | C218        | AI15406     | Agricultural Engineering Practices Laboratory      | 50  | 72.36 | 75.85 | 74.36 | 78.52 |
|          | C219        | AI15407     | Fluid Mechanics & Strength of Materials Laboratory | 50  | 79.36 | 78.25 | 74.15 | 79.19 |

|      |      |         |                                                 |    |       |       |       |       |       |
|------|------|---------|-------------------------------------------------|----|-------|-------|-------|-------|-------|
| V    | C301 | AI15501 | Irrigation Engineering                          | 50 | 83.8  | 78.09 | 84.76 | 74.28 | 90.47 |
|      | C302 | AI15502 | Operation of Farm Machinery and Equipments      | 50 | 90.47 | 89.52 | 88.57 | 83.8  | 88.57 |
|      | C303 | AI15503 | Post Harvest Technology                         | 50 | 81.9  | 78    | 85    | 86.2  | 89.1  |
|      | C304 | AI15504 | Environmental Science and Engineering           | 50 | 76.8  | 735   | 71.2  | 69.2  | 61.8  |
|      | C305 | AI15505 | Groundwater and Drainage Engineering            | 50 | 92.38 | 86.67 | 95.23 | 92.38 | 93.33 |
|      | C306 | ME15509 | Refrigeration and Air Conditioning              | 50 | 78.09 | 69.52 | 87.62 | 74.28 | 81.9  |
|      | C307 | AI15506 | Operation and Maintenance of Farm Machinery     | 50 | 79.36 | 78    | 78.25 | 77.36 | 79.25 |
|      | C308 | AI15507 | Soil Mechanics and Water Quality Laboratory     | 50 | 77.45 | 72.25 | 78.25 | 74.15 | 73.25 |
|      | C309 | EN15501 | Career Development Lab -I                       | 50 | 70.15 | 72.58 | 76    | 79.98 | 79.9  |
| VI   | C310 | AI15601 | Food and Dairy Process Engineering              | 50 | 80    | 78.1  | 88.57 | 85.71 | 88.57 |
|      | C311 | AI15602 | Bio and Thermo - Chemical Conversion of Biomass | 50 | 63.8  | 49.52 | 79.04 | 79.04 | 78.09 |
|      | C312 | AI15603 | Storage and Package Engineering                 | 50 | 76.19 | 63.71 | 85.71 | 81.9  | 89.52 |
|      | C313 | AI15604 | IT in Agricultural Systems                      | 50 | 68.57 | 60.95 | 81.9  | 60.01 | 76.19 |
|      | C314 | AI15605 | Design of Farm Machinery and Equipments         | 50 | 63.8  | 57.14 | 77.14 | 69.52 | 78.09 |
|      | C315 | AI15152 | Climate Change and Adaptation                   | 50 | 71.42 | 69.52 | 73.53 | 68.57 | 78.09 |
|      | C316 | AI15153 | Professional Ethics in Agriculture Engineering  | 50 | 63.58 | 72.16 | 79.92 | 78.26 | 80.15 |
|      | C317 | AI15606 | Biomass Energy Conversion Laboratory            | 50 | 75.25 | 74.63 | 78.96 | 79.89 | 72.23 |
|      | C318 | EN15601 | Career Development Laboratory II                | 50 | 78.26 | 80.25 | 79.96 | 75.36 | 77.46 |
|      | C319 | AI15607 | Industrial Training                             | 50 | 76.36 | 75.64 | NA    | NA    | NA    |
| VII  | C401 | AI15701 | Solar and Wind Energy Engineering               | 50 | 80.76 | 66.34 | 82.69 | 73.07 | 76.92 |
|      | C402 | AI15702 | Protected Cultivation and Precision Farming     | 50 | 83.65 | 67.3  | 82.69 | 78.84 | 87.5  |
|      | C403 | AI15703 | Agricultural Economics and Extension            | 50 | 74.03 | 50    | 72.11 | 59.61 | 69.3  |
|      | C404 | AI15704 | Remote Sensing and GIS Application              | 50 | 75.96 | 67.3  | 75    | 72.11 | 79.8  |
|      | C405 | AI15253 | Watershed Management                            | 50 | 82.69 | 77.88 | 85.57 | 85.58 | 90.38 |
|      | C406 | AI15351 | Seed Production Technology                      | 50 | 78.84 | 60.57 | 73.07 | 67.3  | 66.34 |
|      | C407 | AI15705 | GIS Laboratory for Agriculture Engineers        | 50 | 72.15 | 76.68 | 71.36 | 72.85 | 80.15 |
|      | C408 | AI15706 | CAD Laboratory for Agriculture Engineers        | 50 | 70.36 | 71.85 | 76.58 | 77.95 | 79.68 |
|      | C409 | AI15707 | ICT Laboratory for Agriculture Engineers        | 50 | 78.23 | 75.45 | 79.63 | 74.23 | 71.58 |
|      | C410 | AI15708 | Mini project                                    | 50 | 78.23 | NA    | NA    | NA    | NA    |
| VIII | C411 | AI15801 | Sustainable Agriculture and Food Security       | 50 | 84.61 | 73.07 | 81.73 | 75    | 72.11 |
|      | C412 | AI15452 | Micro Irrigation Systems                        | 50 | 87.5  | 76.92 | 82.69 | 73.07 | 86.53 |
|      | C413 | AI15552 | Disaster Management                             | 50 | 86.54 | 80.76 | 87.5  | 85.57 | 86.53 |
|      | C414 | AI15802 | Project Work                                    | 50 | 72    | 80    | 77    | 82    | NA    |

  
**Head of the Department**  
**Department of Agriculture Engineering**  
**Paavai Engineering College.**

  
**PRINCIPAL**  
**PAAVAI ENGINEERING COLLEGE**  
**NH.7, PACHAL Post, NAMAKKAL Dist**