**Teaching Plan**

**Session (2024-2025)**

**Class: BBA Vth Sem Name of the Teacher: Dr. Bhanu Priya**

**Subject: BBA Course: Quantitative Technique for Management**

**Code: BBA 501 Room No: 264**

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| **S. No** | **Dates** | **Topics to be covered** |
| Admissionsof BBA.5th SEM.(3rd year)  | 20-05-2024 to 10-06-2024 |  **Admissions**  |
| Week 1 | 13-07-2024 to 15-07-2024 | Linear Programming: Formulation of L.P. Problems, Graphical Solutions (Specialcases: Multiple optimal solution, infeasibility, unbounded solution) |
| Week 2 | 16-07-2024 to 20-07-2024 | Simplex Methods (Special cases: Multiple optimal solution, infeasibility, degeneracy, unbounded solution) |
| Week 3 | 22-07-2024 to 26-07-2024 | Big-M method and Two-phase method; |
| Week 4 | 27-07-2024 to 31-07-2024 | Duality and Sensitivity (emphasis on formulation & economic interpretation); Formulation of Integer programming, Zero-one programming, Goal Programming. |
| Week 5 | 01-08-2024 to 08-08-2024  | Elementary Transportation: Formulation of Transport Problem, Solution by N.W.Corner Rule, |
| Week 6 | 09-08-2024 to 12-08-2024 |  Least Cost method, Vogel’s Approximation Method (VAM), |
| Week 7 | 13-08-2024 to 16-08-2024 | Modified Distribution Method. (Special cases: Multiple Solutions, Maximization case, Unbalanced case, prohibited routes) |
| Week 8 | 17-08-2024 to 27-08-2024 | Elementary Assignment: Hungarian Method, (Special cases: Multiple Solutions,Maximization case, Unbalanced case, Restrictions on assignment.) |
| Week 9 | 28-08-2024 to 31-08-2024 | Network Analysis: Construction of the Network diagram, |
| Week 10 | 02-09-2024 to 07-09-2024 | Critical Path - float and slack analysis |
| Week 11 | 09-09-2024 to 14-09-2024 | (Total float, free float, independent float), PERT, Project Time Crashing |
| Week 12 | 16-09-2024 to 21-10-2024 | Introduction to Game Theory: Pay off Matrix- |
| Week 13 | 23-09-2024 to 30-09-2024 |  Two person Zero- Sum game, Pure strategy, Saddle point; |
| Week 14 | 01-10-2024 to 07-10-2024 | **HOUSE EXAME** |
| Week 15 | 08-10-2024 to 15-10-2024 | **Seminar**  |
| Week 16 | 16-10-2024 to 22-10-2024 | **Seminar**  |
| Week 17 | 23-10-2024 to 28-10-2024 | **Seminar**  |
| Week 18 | 29-10-2024 to 03-11-2024  | **DIWALI BREAK** |
| Week 19 |  | **TERM END EXAMINATION** |

**Coordinator BBA Principal**