

**2025**

# **Master of Business Administration (MBA)**

## **Metro Rail Management**



**SCHOOL OF MANAGEMENT**

**GATI SHAKTI VISHWAVIDYALAYA**  
(Central University, Sponsored by Ministry of Railways)  
Lalbag, Vadodara - 390 004, Gujarat, India

**MBA (Metro Rail Management)**  
**(For Working Professionals)**

**L-T-P (Lecture-Tutorial-Practice)**

**Lecture (L): 1 Credit = 15 Hrs.**

**Tutorial (T): 1 Credit = 15 Hrs.**

**Practice (P) [(Practical / Project Work): 1 Credit = 30 Hrs.]**

| <b>School of Management</b> |                                                                                       |                                      |                                       |                                       |                |              |                 |
|-----------------------------|---------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|----------------|--------------|-----------------|
| <b>Semester</b>             | <b>Subjects</b>                                                                       | <b>Lecture<br/>(L)<br/>Hrs./week</b> | <b>Tutorial<br/>(T)<br/>Hrs./week</b> | <b>Practice<br/>(P)<br/>Hrs./week</b> | <b>Credits</b> | <b>Hours</b> | <b>Page No.</b> |
| <b>I</b>                    | Principles of Accounting                                                              | 2                                    | 1                                     | 0                                     | 3              | 45           |                 |
|                             | Business Statistics                                                                   | 2                                    | 1                                     | 0                                     | 3              | 45           |                 |
|                             | Managerial Economics                                                                  | 2                                    | 1                                     | 0                                     | 3              | 45           |                 |
|                             | Business Communication                                                                | 2                                    | 0                                     | 0                                     | 2              | 30           |                 |
|                             | Modelling through Spreadsheets and R                                                  | 2                                    | 1                                     | 0                                     | 3              | 45           |                 |
|                             | Marketing Management                                                                  | 2                                    | 1                                     | 0                                     | 3              | 45           |                 |
|                             | Logistics and Supply Chain Essentials                                                 | 2                                    | 1                                     | 0                                     | 3              | 45           |                 |
|                             | <b>Total Credits</b>                                                                  |                                      |                                       |                                       | <b>20</b>      |              |                 |
| <b>II</b>                   | Operations and Project Management                                                     | 3                                    | 1                                     | 0                                     | 4              | 60           |                 |
|                             | Operations Research                                                                   | 2                                    | 1                                     | 0                                     | 3              | 45           |                 |
|                             | Human Resource Management and Organizational Behaviour                                | 2                                    | 0                                     | 0                                     | 2              | 30           |                 |
|                             | Financial Management                                                                  | 3                                    | 0                                     | 0                                     | 3              | 45           |                 |
|                             | Supply Chain Strategy                                                                 | 2                                    | 0                                     | 0                                     | 2              | 30           |                 |
|                             | Research Methodology                                                                  | 2                                    | 1                                     | 0                                     | 3              | 45           |                 |
|                             | Innovation & Entrepreneurship                                                         | 2                                    | 0                                     | 0                                     | 2              | 30           |                 |
|                             | Revenue Management                                                                    | 2                                    | 1                                     | 0                                     | 3              | 45           |                 |
|                             | <b>Total Credits</b>                                                                  |                                      |                                       |                                       | <b>22</b>      |              |                 |
|                             | <b>Total First-Year Credits</b>                                                       |                                      |                                       |                                       | <b>42</b>      |              |                 |
|                             | <b>Summer Internship (6 Weeks)</b>                                                    |                                      |                                       | <b>8</b>                              | <b>4</b>       | <b>120</b>   |                 |
|                             | <b>Total First-Year Credits including Summer Internship (6 Weeks)</b>                 |                                      |                                       |                                       | <b>46</b>      |              |                 |
| <b>III</b>                  | Metro Rail Economics                                                                  | 2                                    | 1                                     | 0                                     | 3              | 45           |                 |
|                             | Metro Transportation and Planning Management                                          | 2                                    | 1                                     | 0                                     | 3              | 45           |                 |
|                             | Technology in Metro Rails Operations                                                  | 3                                    | 1                                     | 0                                     | 4              | 60           |                 |
|                             | Litigation and Arbitration in Infrastructure and Metro Projects                       | 3                                    | 0                                     | 0                                     | 3              | 45           |                 |
|                             | Business Seminar (Independent Study) (Issues and Challenges in Metro Rail Operations) | 0                                    | 0                                     | 6                                     | 3              | 90           |                 |
|                             | Elective 1                                                                            | 2                                    | 0                                     | 0                                     | 2              | 30           |                 |
|                             | Elective 2                                                                            | 2                                    | 0                                     | 0                                     | 2              | 30           |                 |
|                             | Elective 3                                                                            | 2                                    | 0                                     | 0                                     | 2              | 30           |                 |
|                             | <b>Total Credits</b>                                                                  |                                      |                                       |                                       | <b>22</b>      |              |                 |
| <b>IV</b>                   | Metro Rail Pricing and Financing                                                      | 2                                    | 1                                     | 0                                     | 3              | 45           |                 |
|                             | Urban Transportation and Metro Rail Infrastructure Planning and Development           | 2                                    | 1                                     | 0                                     | 3              | 45           |                 |

|  |                                                    |   |   |    |           |     |  |
|--|----------------------------------------------------|---|---|----|-----------|-----|--|
|  | Metro Project Feasibility, Contracts and Financing | 2 | 0 | 0  | 2         | 30  |  |
|  | Business Ethics                                    | 2 | 0 | 0  | 2         | 30  |  |
|  | Elective 4                                         | 2 | 0 | 0  | 2         | 30  |  |
|  | Elective 5                                         | 2 | 0 | 0  | 2         | 30  |  |
|  | <a href="#">Project Work</a>                       | 0 | 0 | 16 | 8         | 240 |  |
|  | <b>Total Credits</b>                               |   |   |    | <b>22</b> |     |  |
|  | <b>Total Second-Year Credits</b>                   |   |   |    | <b>44</b> |     |  |
|  | <b>Total Programme Credits</b>                     |   |   |    | <b>90</b> |     |  |

### List of Electives for MBA (Metro Rail Mangement)

| Sl. No. | Name of the Elective                                          | Credits | Hrs. |
|---------|---------------------------------------------------------------|---------|------|
| 1       | Metro Rail People Management                                  | 2       | 30   |
| 2       | System Safety and Reliability in Metro Rail                   | 2       | 30   |
| 3       | Sustainable development in metro rail                         | 2       | 30   |
| 4       | Integration of modes of transport & transport planning        | 2       | 30   |
| 5       | Metro Rail projects and PPP                                   | 2       | 30   |
| 6       | Innovative marketing strategies for Metro Stations Businesses | 2       | 30   |

Students must choose at least three electives from the list indicated above and one/two electives can be chosen from the other variants of MBA Programs – LSCM, Ports and Shipping Logistics, Metro Rail Management, Multi-modal Transportation