|  |  |  |  |
| --- | --- | --- | --- |
| ATTRIBUTE | DATATYPE | CONSTRAINT | DEFAULT |
| stages | | | |
| stage\_name | VARCHAR2(20) | pk\_stages |  |
| start\_date | DATE | NOT NULL | SYSTEM DATE |
| end\_date | DATE | NOT NULL | SYSTEM DATE |
|  |  |  |  |
|  |  |  |  |

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| --- | --- | --- | --- |
| ATTRIBUTE | DATATYPE | CONSTRAINT | DEFAULT |
| project\_stage | | | |
| project\_id | NUMBER | pk\_project\_stages, fk\_ps\_projects |  |
| stage\_name | VARCHAR2(20) | pk\_project\_stages, fk\_ps\_stages |  |
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| ATTRIBUTE | DATATYPE | CONSTRAINT | DEFAULT |
| meetings | | | |
| project\_id | NUMBER(8) | fk\_m\_projects |  |
| team\_no | NUMBER(4) | fk\_m\_projects\_teams |  |
| stage\_name | VARCHAR2(20) | fk\_m\_stages |  |
| meeting\_id | NUMBER(4) | pk\_meetings |  |
| meeting\_date | DATE | NOT NULL | SYSTEM DATE |
| meeting\_location | VARCHAR2(30) | NOT NULL |  |

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| ATTRIBUTE | DATATYPE | CONSTRAINT | DEFAULT |
| Actions | | | |
| meeting\_id | NUMBER(4) | pk\_actions, fk\_a\_meetings |  |
| owner | VARCHAR2(25) | pk\_actions |  |
| deadline | DATE | pk\_actions | SYSTEM DATE |
|  |  |  |  |
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| --- | --- | --- | --- |
| **Attribute** | **Datatype** | **Constraint** | **Default** |
| employees | | | |
| Employee\_id | NUMBER (8) | Pk\_employees |  |
| title | VARCHAR2(10) | CHECK IN (MRS, MISS, MR, DR) |  |
| First\_name | VARCHAR2(15) | UPPER |  |
| Last\_name | VARCHAR2(20) | UPPER |  |
| gender | CHAR(1) | CHECK IN (M, F) | M |
| contact\_no | CHAR(10) | NOT NULL |  |
| dob | DATE | NOT NULL |  |
| joindate | DATE | NOT NULL | sysdate |

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| --- | --- | --- | --- |
| **Attribute** | **Datatype** | **Constraint** | **Default** |
| specialisms | | | |
| specialism\_id | NUMBER(4) | Pk\_specialisms |  |
| Specialism\_name | VARCHAR2(20) | UPPER |  |
| Specialism\_desc | VARCAHR2(40) | UPPER |  |

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| **Attribute** | **Datatype** | **Constraint** | **Default** |
| Employee\_specialisms | | | |
| employee\_id | NUMBER(8) | Fk\_es\_employees |  |
| Specialism\_id | NUMBER(4) | Fk\_es\_specialism |  |
| Specialism\_desc | VARCHAR2(40) | UPPER |  |

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| **Attribute** | **Datatype** | **Constraint** | **Default** |
| Project\_teams | | | |
| employee\_id | NUMBER(8) | Fk\_pt\_employees |  |
| project\_id | NUMBER(8) | Fk\_pt\_teams |  |
| Team\_no | NUMBER(4) | NOT NULL |  |

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| **Attribute** | **Datatype** | **Constraint** | **Default** |
| projects | | | |
| project\_id | NUMBER(8) | pk\_projects |  |
| title | VARCHAR(25) | UPPER |  |
| description | VARCHAR(100) | UPPER |  |
| start\_date | DATE |  |  |
| end\_date | DATE |  |  |
| budget | NUMBER(8,2) |  |  |

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| --- | --- | --- | --- |
| **Attribute** | **Datatype** | **Constraint** | **Default** |
| project\_costs | | | |
| project\_id | NUMBER(8) | pk\_project\_costs fk\_p\_project\_costs |  |
| cost | NUMBER(8,2) | pk\_project\_costs |  |

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| --- | --- | --- | --- |
| **Attribute** | **Datatype** | **Constraint** | **Default** |
| Resources | | | |
| resource\_id | NUMBER(8) | pk\_resources |  |
| name | VARCHAR(25) | UPPER |  |
| description | VARCHAR(100) |  |  |
| cost | NUMBER(8,2) |  |  |

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| --- | --- | --- | --- |
| **Attribute** | **Datatype** | **Constraint** | **Default** |
| project\_resources | | | |
| project\_id | NUMBER(8) | pk\_project\_resources |  |
| resource\_id | NUMBER(8) | pk\_project\_resources |  |
| quantity | NUMBER(4) | NOT NULL |  |