**Role = (ID\_Role *BIGINT***, Type ***VARCHAR(200)***, Created\_at ***DATETIME***, Updated\_at ***DATETIME*);**

**Utilisateur = (ID\_Utilisateur *BIGINT***, Nom ***VARCHAR(500)***, Prenom ***VARCHAR(500)***, Email ***VARCHAR(500)***, Telephone ***VARCHAR(50)***, Mot\_De\_Passe ***VARCHAR(50)***, Image *VARCHAR(500)*, Created\_at ***DATETIME***, Updated\_at ***DATETIME****, #ID\_Role***);**

**Mot\_Cle = (ID\_Mot\_Cle *BIGINT***, Designation ***VARCHAR(500)***, Created\_at ***DATETIME***, Updated\_at ***DATETIME*);**

**Categorie = (ID\_Categorie *BIGINT***, Designation ***VARCHAR(200)***, Created\_at ***DATETIME***, Updated\_at ***DATETIME*);**

**Document = (ID\_Document *BIGINT***, Designation ***VARCHAR(500)***, Lien ***VARCHAR(500)***, Created\_at ***DATETIME***, Updated\_at ***DATETIME*);**

**Formateur = (ID\_Formateur *BIGINT***, Parcours ***VARCHAR(100)***, CV ***VARCHAR(500)***, Created\_at ***DATETIME***, Updated\_at ***DATETIME****, #ID\_Utilisateur***);**

**Organisation = (ID\_Organisation *BIGINT***, Designation ***VARCHAR(500)***, Created\_at ***DATETIME***, Update\_at ***DATETIME****, #ID\_Utilisateur***);**

**Type\_Inscription = (ID\_Type\_Inscription *BIGINT***, Type ***VARCHAR(500)***, Created\_at ***DATETIME***, Updated\_at ***DATETIME*);**

**Statut = (ID\_Statut *BIGINT***, Statut ***VARCHAR(50)***, Created\_at ***DATETIME***, Updated\_at ***DATETIME*);**

**Cursus = (ID\_Cursus *BIGINT***, Designation ***VARCHAR(500)***, Description ***VARCHAR(500)***, Image *VARCHAR(1000)*, Volume\_Horaire ***INT***, Effectif ***INT***, Nombre\_Cours\_Total ***INT***, Nombre\_Chapitres\_Total ***INT***, Prix ***DOUBLE***, Etat ***LOGICAL***, Created\_at ***DATETIME***, Update\_at ***DATETIME****, #ID\_Categorie***);**

**Cours = (ID\_Cours *BIGINT*, Numero\_Cours *COUNTER***, Designation ***VARCHAR(500)***, Image *VARCHAR(500)*, Nombre\_Chapitres ***INT***, Prix ***DOUBLE***, Etat ***LOGICAL***, Created\_at ***DATETIME***, Update\_at ***DATETIME*);**

**Cursus\_Contenir\_Cours = (*#ID\_Cursus, #(ID\_Cours, Numero\_Cours)*);**

**Chapitre = (ID\_Chapitre *BIGINT*, Numero\_Chapitre *COUNTER***, Designation ***VARCHAR(500)***, Image *VARCHAR(500)*, Video ***VARCHAR(500)***, Etat ***LOGICAL***, Created\_at ***DATETIME***, Update\_at ***DATETIME****, #(ID\_Cours, Numero\_Cours)***);**

**Section = (ID\_Section *BIGINT***, Designation ***VARCHAR(500)***, Contenu ***VARCHAR(5000)***, Image *VARCHAR(500)*, Etat ***LOGICAL***, Created\_at ***DATETIME***, Updated\_at ***DATETIME****, #(ID\_Chapitre, Numero\_Chapitre)***);**

**QCM = (ID\_QCM *BIGINT***, Designation *VARCHAR(500)*, Nombre\_Questions ***INT***, Etat ***LOGICAL***, Created\_at ***DATETIME***, Updated\_at ***DATETIME****, #(ID\_Chapitre, Numero\_Chapitre)***);**

**Questions\_QCM = (ID\_Question\_QCM *BIGINT***, Question ***VARCHAR(1000)***, Explication *VARCHAR(1000)*, Etat ***LOGICAL***, Created\_at ***DATETIME***, Updated\_at ***DATETIME****, #ID\_QCM***);**

**Reponse\_Question\_QCM = (ID\_Reponse\_Question\_QCM *BIGINT***, Reponse ***VARCHAR(1000)***, Etat ***LOGICAL***, Validation ***LOGICAL***, Created\_at ***DATETIME***, Updated\_at ***DATETIME****, #ID\_Question\_QCM***);**

**Projet = (ID\_Projet *BIGINT***, Description ***VARCHAR(3000)***, Date\_Debut *DATE*, Date\_Fin *DATE*, Etat ***LOGICAL***, Created\_at ***DATETIME***, Update\_at ***DATETIME****, #ID\_Statut, #(ID\_Cours, Numero\_Cours)***\****, #ID\_Formateur***);**

**Stagiaire = (ID\_Stagiaire *BIGINT***, Etat ***LOGICAL***, Created\_at ***DATETIME***, Updated\_at ***DATETIME****, #ID\_Type\_Inscription, #ID\_Organisation***\****, #ID\_Formateur***\****, #ID\_Utilisateur***);**

**Meeting\_En\_Ligne = (ID\_Meeting *BIGINT***, Description ***VARCHAR(1000)***, Lien ***VARCHAR(1000)***, Code *VARCHAR(100)*, Date\_Meeting ***DATETIME***, Created\_at ***DATETIME***, Update\_at ***DATETIME****, #ID\_Statut, #(ID\_Cours, Numero\_Cours)***\****,* ***#ID\_Utilisateur*);**

**Exercice = (ID\_Exercice *BIGINT***, Enonce ***VARCHAR(3000)***, Image *VARCHAR(500)*, Etat ***LOGICAL***, Created\_at ***DATETIME***, Updated\_at ***DATETIME****, #(ID\_Chapitre, Numero\_Chapitre)***);**

**Question\_Exercice = (ID\_Question\_Exercice *BIGINT***, Question ***VARCHAR(1000)***, Etat ***LOGICAL***, Created\_at ***DATETIME***, Updated\_at ***DATETIME****, #ID\_Exercice***);**

**Correction\_Question = (ID\_Correction\_Question *BIGINT***, Reponse ***VARCHAR(5000)***, Image *VARCHAR(500)*, Etat ***LOGICAL***, Created\_at ***DATETIME***, Updated\_at ***DATETIME****,* ***#ID\_Question\_Exercice*);**

**Session = (ID\_Session *BIGINT***, Date\_Debut ***DATE***, Date\_Fin ***DATE***, Etat ***LOGICAL***, Created\_at ***DATETIME***, Updated\_at ***DATETIME****, #ID\_Statut, #ID\_Formateur, #ID\_Cursus***);**

**Titre = (ID *BIGINT***, Intitulé ***VARCHAR(500)***, Date\_Obtention ***DATE***, Created\_at ***DATETIME***, Updated\_at ***DATETIME****, #ID\_Stagiaire***);**

**Score\_QCM = (ID\_Score\_QCM *BIGINT***, Résultat ***INT***, Created\_at ***DATETIME***, Updated\_at ***DATETIME****, #ID\_Stagiaire, #ID\_QCM***);**

**Suivre\_Cursus = (*#ID\_Cursus, #ID\_Stagiaire***, ID\_Cours ***BIGINT***, ID\_Chapitre ***BIGINT***, Nombre\_Chapitre\_Lu ***INT***, Progression ***INT***, Created\_at ***DATETIME***, Updated\_at ***DATETIME*);**

**Avoir\_Preference = (*#ID\_Stagiaire, #ID\_Mot\_Cle***, Created\_at ***DATETIME***, Updated\_at ***DATETIME*);**

**Avoir\_Cours\_Mot\_Cle = (*#(ID\_Cours, Numero\_Cours), #ID\_Mot\_Cle***, Created\_at ***DATETIME***, Updated\_at ***DATETIME*);**

**Avoir\_Cursus\_Mot\_Cle = (*#ID\_Cursus, #ID\_Mot\_Cle***, Created\_at ***DATETIME***, Updated\_at ***DATETIME*);**

**Participer\_Meeting = (*#ID\_Utilisateur, #ID\_Meeting***, Validation *LOGICAL*, Created\_at ***DATETIME***, Updated\_at ***DATETIME*);**

**Contenir\_Document\_Chapitre = (*#(ID\_Chapitre, Numero\_Chapitre), #ID\_Document***, Created\_at ***DATETIME***, Updated\_at ***DATETIME*);**

**Contenir\_Document\_Projet = (*#ID\_Projet, #ID\_Document***, Created\_at ***DATETIME***, Updated\_at ***DATETIME*);**

**Faire\_Projet = (*#ID\_Projet, #ID\_Stagiaire***, Statut\_Reussite ***LOGICAL***, Resultat\_Description *VARCHAR(500)*, Created\_at ***DATETIME***, Updated\_at ***DATETIME*);**

**Suivre\_Cours = (*#(ID\_Cours, Numero\_Cours), #ID\_Stagiaire***, ID\_Chapitre ***BIGINT***, Nombre\_Chapitre\_Lu ***INT***, Progression ***INT***, Created\_at ***DATETIME***, Update\_at ***DATETIME*);**

**Lier\_Session\_Stagiaire = (*#ID\_Stagiaire, #ID\_Session***, Validation *LOGICAL*, Resultat\_Description *VARCHAR(500)*, Created\_\_at ***DATETIME***, Updated\_at ***DATETIME*);**