



Ahsanullah University of Science and Technology (AUST)
Department of Computer Science and Engineering

Stargazer

Project Proposal

Course No.: CSE4126

Course Title: Distributed Database Systems Lab

Submitted To-

Sharmin Rima

Associate Professor, Dept. Of CSE

Submitted By-

Nipun Paul

I.D.: 180104042

Section- A

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Stargazer

- **Stargazer** will be an intra-extra galactic database which will entry the new objects found by satellites deployed on space. An expert will receive the data and insert, update, delete on the database tables based on their own criteria.
- As these data needs to be handled in multiple section on any astronomical data centers, using a distributed database will ensure its confidentiality and security among a specific area. Thus none outside the network will gain access. Also before publishing the data on www, it can be rechecked easily by fellow data scientists.
- Project consists of 4 tables.
 - a) **Exoplanet:** Id, Name, Planet Status, Discovered, Updated, Publication.
 - b) **Temperature:** Id, Temp Calculated, Temp Measured.
 - c) **Star:** Id number, Star Name, Star Distance, Star Metallicity, Star Mass, Star Radius, Star Age.
 - d) **Structures:** Id, Mass, Radius, Orbital Period, Eccentricity, Inclination.