**Capstone II**

By empowering students with the skills necessary to access, understand and evaluate information, capstone project will support students in the achievement of 21st century learning expectations. Students work in teams to develop or implement a real-world IT solution

* Address a typical business and organizational need such as data management, application development, system deployment, or security analysis.
* Apply information technologies, applications, best practices, and standards in technical design, development, and implementation.
* Practice soft skills in a real world it project, including project planning and management, research and learning, communication, writing, presentation, and team work

Specialization based project

Students form a team of 4-5 members and work on a project title based on their specialization.

* Cyber Security
* Data Science
* Artificial Intelligence

Topics covered in Capstone II

* In making project use of industry Tools like -
* Collaboration Tool - like Git
* Build Tool - like Maven, pyb
* CI & CD Tool - like Jenkins
* Infrastructure Tool - Docker
* Testing
* Building Microservices\*
* Kubernetes\*

(\* - New additions)

Marks Evaluation

* Students are evaluated based on presentation / demonstration and viva.
* Mid Term 1 – 15%
* Mid Term 2 – 30%
* Comprehensive – 45%
* Attendance – 10%
* Individual contribution is 90% for a student where as 10% is team work

Scope of improvement

* Multiple Choice Question in Mid Sem 1 and Mid Sem 2 apart from presentation / demonstration and viva.
* Building Microservices
* Kubernetes