PRESENTATION SCHEDULE

Artificial Intelligence / CSIT 4th Semester/PMC- Section-D

THINGS TO CONSIDER

- If you have not seen your name in the list, contact the instructor.
- This presentation carries certain marks in your internal evaluation.
- All students are highly encouraged to actively take part in presentation.
- Group task must be done in **coordination.** Presentation should be done **in group** rather individual.
- Presentation slides must be created and presented using appropriate presentation software/web platforms (like MS-PowerPoint, Google Slide, Canva etc)
- Presentation **must contain:**
  - **Title slide containing title and presentors**
  - **Content Outline Slide**
  - **Content Slides**
  - **Slide numbers for each slides**
  - **Ending slide ('Thank you' and 'Q/A')**
  - **References (in IEEE format [use automation to generate the format])**
- It's *highly encouraged to write captions for tables and figures included.*
- Slides must be created **only after sufficient research and study**. Contents should be pin pointed rather writing paragraphs.

Group	Name of students	Topics	Presentation Date
1	ASMIKA RAI NIBASH THAPA SAUGAT KC	**Handling Uncertain Knowledge** Random Variables, Prior and Posterior Probability, Inference using Full Joint Distribution, Bayes' Rule and its use, Bayesian Networks, Reasoning in Belief Networks *[Concepts and Examples with required figures and Equations]*	2081/04/21
2.	PRAKASH SHARMA UMESH BOGATI	**Fuzzy Logic:** Introduction, Fuzzy Sets, Membership in Fuzzy Set, List of membership functions (at least four) , Fuzzy Logic vs Probability, Fuzzy Rulebase Systems, Fuzzifier and Defuzzifiers *[Concepts and Examples]*	2081/04/22
3	SAMIR PAUDEL PRASTA PRADHAN DIPAK KUMAR KALWAR	Introduction to **Machine Learning** , Concepts of Learning, Supervised, Unsupervised and Reinforcement Learning List of algorithms for each of three types with their usages *[Concepts and Examples.]*	2081/04/23
4	NISHA ADHIKARI GRISHMA PAUDEL	Learning by **Genetic Algorithms**: Operators in Genetic Algorithm: Selection, Mutation, Crossover, Fitness Function, Steps in Genetic Algorithm, Problem domains where Genetic Algorithms are used (with reasons) *[Concepts and Examples]*	2081/04/24

5	SWETA DAHAL ANUSKA PAUDEL	Introduction to Statistical-based Learning, **Naive Bayes Model** (concept and example) *[Concepts and Examples]*	2081/04/27
6	SUBASH THARU NIRMAL GHIMIRE SUPREM MALLA	Learning with Neural Networks: Introduction, Biological Neural Networks Vs. Artificial Neural Networks (ANN), Mathematical Model of ANN, Activation Functions: Linear, Step Sigmoid, Realization of logic gates (OR, AND, NOT) using artificial neurons *[Concepts and Examples]*	2081/04/28
7	SHITAL PANDEY TULASI PAUDEL PUJAN PHUYAL	Types of ANN: Feed-forward, Recurrent, Single Layered, Multi-Layered, Application of Artificial Neural Networks, Learning by Training ANN, Supervised vs. Unsupervised Learning *[Concepts and Examples]*	2081/04/29
8	BIPIN MAHARJAN SACHIN SHRESTHA	Hebbian Learning, Perceptron Learning, Back-propagation Learning *[Concepts, Theories and Examples]*	2081/04/32
9	ANJANA GAUTAM KARUNA PHUYAL	**Expert Systems**, Components of Expert System: *Knowledge base, inference engine, user interface, working memory,* Development of Expert Systems Examples of Expert Systems (Names and Usages) *[Concepts, Theories and Examples]*	2081/05/06

10	GARIMA BHATTARAI SUYESH PARAJULI ROHIT SHAKYA	**Natural Language Processing**: Natural Language Understanding and Natural Language Generation, Steps of Natural Language Processing: Lexical Analysis(Segmentation, Morphological Analysis), Syntatic Analysis, Semantic Analysis, Pragmatic Analysis, Machine Translation (Concept and List of some algorithms), Text Classification(Concept and List of some algorithms), Text Summarization (Concept and List of some algorithms) *[Concepts, Theories and Examples]*	2081/05/09
11	PRASAMSA ADHIKARI ROSHNI BANIYA	**Machine Vision Concepts**: Machine vision and its applications, Components of Machine Vision System List of Algorithms in Machine Vision Examples of Machine Vision Systems (names and usages) Robotics: Robot Hardware (Sensors and Effectors) , Robotic Perceptions	2081/05/11