



Lesson Plan No.: 1	Course Name: Artificial Intelligence with computer vision	Course No.: COM-601
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Objectives	At the end of the lesson the student shall: <ol style="list-style-type: none"> a. Exhibit Linguistic competence. b. Grasp the constructs of Professional Etiquette.
Teaching Aids (if any)	Power-Point Presentation
Teaching Development	<ol style="list-style-type: none"> 1. Introduction (10 minutes) <ul style="list-style-type: none"> • Introduce the students to Artificial Intelligence. <ul style="list-style-type: none"> · What do you understand by Artificial intelligence with computer vision? · What are real-world applications of AI with computer vision? 2. Development (30 minutes) <ul style="list-style-type: none"> • Introducing the students to the course and all the avenues covered under it. <ul style="list-style-type: none"> • Familiarizing the students with the Course Credit & the Evaluation Criteria: <ul style="list-style-type: none"> - Attendance - Assignments - Reading & Writing skills - Communication skills. - Algorithm Understanding - Public Speaking skills - Professional Etiquette • Elucidating the Course Outcomes: <ul style="list-style-type: none"> - Design and implement intelligent solutions classification, regression and clustering problems. - Design and implement distinguishing features in pattern and object recognition tasks. - Understand how images are represented numerically and to Implement image processing techniques like Color and geometric transforms. - Design to programmatically track a single point over time and understand motion models that define Object Movement over time. - Implement a method for tracking a set of unique features over time to match features from one image Frame to another. • Exemplifying the Activities under AI with computer vision: <ul style="list-style-type: none"> - Basic Introduction to AI - Hands-On coding and implementation - Image Processing Techniques - Ethical Considerations in AI - Collaborative Project 3. Exercise (5 minutes) Image Loading and Display

Closure	<ol style="list-style-type: none">1. Sensitizing the students about the importance of exhibiting proper manners and code of conduct at the College.2. Acquainting them with the Image Loading.
Evaluation	<ol style="list-style-type: none">1. Reflective Questions. Allowing students to answer and discuss.2. Assignments