

# INSTITUTE OF AERONAUTICAL ENGINEERING

**(Autonomous)**

Dundigal - 500 043, Hyderabad, Telangana

## COURSE CONTENT

[illegible]

models of faces, foreground background separation, particle filters, Chamfer matching, tracking, and occlusion, combining views from multiple cameras, human gait analysis.

#### **IV. TEXT BOOKS:**

1. Daniel Lelis Baggio, Shervin Emami, David Millan Escriva, “Mastering OpenCV with Practical Computer Vision Projects”, Packt Publishing, 2012.
2. E. R. Davies, “Computer & Machine Vision – Theory, Algorithms, Practicalities”, Academic Press, 4<sup>th</sup> Edition, 2012.

#### **V. REFERENCE BOOKS:**

1. Jan Erik Solem, “Programming Computer Vision with Python: Tools and algorithms for analyzing images”, O'Reilly Media, 2012.
2. Mark Nixon, Alberto S. Aquado, “Feature Extraction & Image Processing for Computer Vision”, 3rd edition, Academic Press, 2012.
3. R. Szeliski, “Computer Vision: Algorithms and Applications”, Springer, 2011.
4. Simon J. D. Prince, “Computer Vision: Models, Learning, and Inference”, Cambridge University Press, 2012.

#### **VI. WEB REFERENCES:**

1. <https://faculty.ucmerced.edu/mcarreira-perpinan/teaching/ee589/lecture-notes.pdf>
2. <https://patrec.cs.tu-dortmund.de/lectures/SS12/computervision/computervision.pdf>
3. <http://csundergrad.science.uoit.ca/courses/cv-notes/>
4. <http://www.cs.cmu.edu/afs/cs/academic/class/15385-s06/lectures/ppts/>