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Question Paper Code: 52302

M.E. DEGREE EXAMINATION, MAY 2017

Elective

Computer Science and Engineering

15PNE502 - VIDEO ANALYTICS

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

(5 x 20 = 100 Marks)

1. (a) Discuss the steps in analytic processes and the tools used with it. (20)

Or

(b) Explain detail about variance bayesian modeling. (20)

2. (a) Sketch the architecture of stream data model and explain in detail. (20)

Or

(b) (i) Explain detail about counting distinct elements in a stream. (10)

(ii) Explain the fundamentals for Video surveillance in detail. (10)

3. (a) Explain Vehicle detection and tracking concepts and demonstrate how those concepts will be applied in real time applications. (20)

Or

(b) Explain detail about articulated human motion tracking. (20)

4. (a) Compare human activity recognition and suspicious activity detection. (20)

Or

- (b) Illustrate activity modeling using 3D shape in detail. (20)
5. (a) Demonstrate Face Recognition from video concepts and explain how it can be applied real time applications. (20)

Or

- (b) Compare and contrast various face recognition technologies in detail. (20)
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