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**Question Paper Code: 55Q24**

M.E. DEGREE EXAMINATION, NOV 2018

Elective

Computer Science and Engineering

15PCS524 / 15PNE502 - VIDEO ANALYTICS

(Common to Computer Science and Engineering (With Specialization in Networks))

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART - A (5 x 20 = 100 Marks)

1. (a) (i) How to separate great analysis from poor analysis. CO1- U (10)  
(ii) How work on the general K- fold cross validation . CO1- U (10)  
Or  
(b) (i) Explain in detail about the enterprise analytic dataset process. CO1- U (10)  
(ii) What are the difference between traditional and modern way for doing the analytic. CO1- U (10)
2. (a) (i) Discuss about the elements in stream and stream processing. CO2- U (10)  
(ii) List out the examples of stream sources. CO2- U (10)  
Or  
(b) What are the properties in bloom filter? and explain the analysis Of bloom filtering. CO2- Ana (20)
3. (a) What are the image feature extraction techniques are used in intelligent video Surveillance? Explain. CO3-U (20)  
Or  
(b) Illustrate the performance of the background modeling and subtraction algorithm using real video sequences. CO3-U (20)

4. (a) Discuss about the overall architecture of the dynamic Bayesian network. CO4- U (20)

Or

(b) Describe about the switching mechanism between the track and body learned analysis. CO4- U (20)

5. (a) Explain in detail about the feature based face recognition. CO5- U (20)

Or

(b) (i) Explain the HMM framework for gait recognition. CO5- U (10)

(ii) Discuss and analysis of the pros and cons of the face recognition techniques of the PCA and ICA with Gait. CO5- U (10)

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