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| ***( EE0903722 )Information Theory and Coding*** |
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| **Course Description :** | Information measures and channel capacity. Source coding. Rate-Distortion theory. Linear block codes, Cyclic codes, BCH codes, convolutional codes. Burst error correcting codes. Maximum likelihood decoding of convolutional codes. Performance of block and convolutional codes in additive white Gaussian channel. Trellis coded modulation. Turbo codes and parity check codes. |
| **Pre Request :** | 0903721 |
| **Credit Hour :** | 3 |
| **Department :** | Electrical Engineering |
| **Program :** |  |
| **Course Level :** | Master |
| **Course Outline :** |  |

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