**LAB 2**

Name: M.Saeed Mohiti ID: 116236159

Initial: MSM Binary: 01001101 01010011 01001101

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| --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 |
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| 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 |
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| 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 |
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**NRZ-I Encoding**

Initial: MSM Binary: 01001101 01010011 01001101

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| 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 |
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| 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 |
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| 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 |
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**NRZ-L Encoding**

Initial: MSM Binary: 01001101 01010011 01001101

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| 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 |
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| 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 |
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| --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 |
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# Manchester Encoding

Initial: MSM Binary: 01001101 01010011 01001101

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| --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 |
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| --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 |
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| --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 |
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# Bipolar - AMI Encoding