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| **PES University** |
| **DEPARTMENT OF ECE**  **Digital Image Processing 1**  **V Semester**  **Notes/ Reference Material- Unit 2** |

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| **Reference** | Topic |
| T: 2.6  Page:131-134 | Image transforms preliminaries |
| R1: 5.1  Page: 132-135 | Image transforms (Orthogonal and unitary transforms) |
| R1: 5.3  Page: 138-140 | Separable and 2D transforms |
| T: 6.4  Page: 543-148 | 1-D and 2-d DFT |
| T: 6.6,6.7  Page: 555,559 | Discrete Cosine and Sine transforms (DCT and DST) |
| T: 6.7  Page: 565-569 | Hadamard transforms |
| T: 6.8,6.9  Page: 569-573 | Haar, Slant transforms |
| R1: 5.11  Page: 163-165 | Karhunen-loeve transforms |
| R1: 5.13  Page: 176-177 | Singular value Decomposition |