**VTI Investment Proposal**

**Basic Information**

|  |  |
| --- | --- |
| **Name** | Vanguard Total Stock Market ETF |
| **Ticker** | VTI |
| **Brief Introduction** | VTI tracks a cap-weighted index that measures the investable US equities market, encompassing the entire market-cap spectrum. |
| **Proposed Investment Duration** | FILL THIS IN |
| **Proposed Number of Shares to Purchase** | FILL THIS IN |

**Historical Graph and Analysis**

Price Trend Over Past 5 Years

SCREENSHOT A GRAPH HERE

Historical Performance

|  |  |  |
| --- | --- | --- |
|  | **Peer Ranking** | **Value** |
| **1 Week Return** | 122 of 214 | 2.01% |
| **4 Week Return** | 123 of 210 | -0.94% |
| **13 Week Return** | 119 of 204 | 3.52% |
| **26 Week Return** | 125 of 196 | 6.48% |
| **Year to Date Return** | 97 of 194 | 14.59% |
| **1 Year Return** | 105 of 176 | 3.35% |
| **3 Year Return** | 64 of 122 | 43.16% |
| **5 Year Return** | 52 of 93 | 59.10% |

**Behaviour during Bull and Bear Markets**

**How the ETF reacted to major economic changes (e.g. trade war)**

**Risk Analysis**

Historical Volatility

|  |  |  |
| --- | --- | --- |
| **Name** | **Peer Ranking** | **Value** |
| **5 Day Volatility** | 75of 214 | 108.28% |
| **20 Day Volatility** | 95of 209 | 16.47% |
| **50 Day Volatility** | 96of 206 | 12.61% |
| **200 Day Volatility** | 94of 194 | 12.07% |
| **Beta** | 78of 207 | 1.02 |
| **Standard Deviation** | 23of 175 | 5.96% |

DO SOME ANALYSIS HERE

**Investment Rationale**

Part I - Valuation

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Company** | **Industry** | **Sector** |
| **P/E Ratio (TTM)** | 19.63 | 6.59 | 20.76 |
| **P/E Low - Last 5 Yrs.** | 3.94 | 2.90 | 13.62 |
| **Beta** | 1.04 | 0.98 | 1.32 |
| **Price to Sales (TTM)** | 104.40 | 33.72 | 10.05 |
| **Price to Tangible Book (MRQ)** | 1.96 | 1.97 | 3.37 |

ADD SOME ANALYSIS HERE

Part II - Dividends

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Company** | **Industry** | **Sector** |
| **Dividend Yield** | 1.93 | 1.86 | 2.43 |
| **Dividend 5 Year Growth Rate** | 11.04 | 6.99 | 17.94 |
| **Payout Ratio(TTM)** | 25.16 | 8.19 | 37.62 |

ADD SOME ANALYSIS HERE

Part III - Profitability

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Company** | **Industry** | **Sector** |
| **Gross Margin (TTM)** | -- | 84.81 | 2.67 |
| **EBITD - 5 Yr. Avg** | 97.91 | 69.73 | 47.37 |
| **Operating Margin (TTM)** | 98.02 | 91.43 | 41.10 |
| **Pre-Tax Margin - 5 Yr. Avg.** | 774.69 | 159.18 | 40.45 |
| **Net Profit Margin (TTM)** | 361.93 | 105.43 | 32.44 |
| **Effective Tax Rate - 5 Yr. Avg.** | -- | 0.01 | 21.25 |

ADD SOME ANALYSIS HERE

Part IV - Growth Rate Analysis

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Company** | **Industry** | **Sector** |
| **Sales (MRQ) vs Qtr. 1 Yr. Ago** | 39.49 | 390.04 | 21.20 |
| **Sales - 5 Yr. Growth Rate** | 72.01 | 58.28 | 11.40 |
| **EPS (MRQ) vs Qtr. 1 Yr. Ago** | -69.79 | 268.05 | 20.01 |
| **EPS - 5 Yr. Growth Rate** | -1.22 | 34.23 | 9.52 |
| **Capital Spending - 5 Yr. Growth Rate** | -- | 0.00 | 1.01 |

ADD SOME ANALYSIS HERE

Part V - Management Efficiency

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Company** | **Industry** | **Sector** |
| **Return on Assets (TTM)** | 7.64 | 18.71 | 2.82 |
| **Return on Investment - 5 Yr. Avg.** | 17.26 | 13.00 | 0.36 |
| **Return on Equity (TTM)** | 7.64 | 19.42 | 16.22 |

ADD SOME ANALYSIS HERE

Part VI - Miscellaneous Information

|  |  |
| --- | --- |
| **Title** | **Value** |
| **ETF Average** | 0.545% |
| **ETF Wtd. Average** | 0.20% |
| **Category Average** | 0.38% |
| **Expense Ratio** | 0.03% |
| **Liquidity** | A+ |

ADD SOME ANALYSIS HERE

**Top Five Holdings**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Ticker** | MSFT | AAPL | AMZN | FB | BRK-B |
| **Weight** | 3.46% | 2.77% | 2.58% | 1.42% | 1.41% |
| **Market Capitalization** | 979.46B | 852.21B | 863.73B | 480.5B | 503.47B |
| **Trailing PE** | 28.40 | 15.58 | 73.24 | 24.98 | 18.80 |
| **Forward PE** | 25.01 | 14.49 | 46.03 | 18.06 | 18.56 |
| **PEG Ratio (5 yr expected)** | 1.84 | 1.37 | 0.72 | 1.47 | 0.86 |
| **Price/Sales (ttm)** | 8.01 | 3.30 | 3.58 | 8.15 | 2.01 |
| **Price/Book (mrq)** | 10.33 | 8.06 | 17.83 | 5.56 | 0.00 |
| **Enterprise Value/Revenue** | 7.64 | 3.38 | 3.66 | 7.50 | -0.05 |
| **Enterprise Value/EBITDA** | 18.02 | 11.28 | 28.10 | 16.10 | -0.26 |
| **Profit Margin** | 28.58% | 22.12% | 4.97% | 33.17% | 10.70% |
| **ROA (ttm)** | 10.06% | 11.54% | 6.12% | 14.35% | 3.42% |
| **ROE (ttm)** | 40.12% | 49.13% | 30.06% | 23.83% | 7.50% |
| **Quarterly Revenue Growth (yoy)** | 14.00% | -5.10% | 17.00% | 26.00% | 5.50% |
| **EBITDA** | 51.85B | 77.34B | 31.44B | 27.46B | 49.25B |
| **Quarterly Earnings Growth (yoy)** | 18.70% | -16.40% | 118.60% | -51.30% | N/A |
| **Total ESG Score** | 74 | 70 | 45 | 59 | 45 |
| **Total ESG Percentile** | 95th percentile | 78th percentile | 13th percentile | 79th percentile | 9th percentile |
| **Environment Score** | 82 | 89 | 42 | 62 | 41 |
| **Environment Percentile** | 94th percentile | 98th percentile | 32nd percentile | 78th percentile | 43rd percentile |
| **Social Score** | 71 | 57 | 47 | 67 | 49 |
| **Social Percentile** | 97th percentile | 45th percentile | 33rd percentile | 94th percentile | 0th percentile |
| **Governmental Score** | 70 | 60 | 46 | 42 | 44 |
| **Governmental Percentile** | 89th percentile | 42nd percentile | 5th percentile | 0th percentile | 14th percentile |
| **Sector** | Technology | Technology | Consumer Cyclical | Technology | Financial Services |
| **Industry** | Software - Infrastructure | Consumer Electronics | Specialty Retail | Internet Content & Information | Insurance - Diversified |
| **EBITDA Margin (Quarter)** | 34.3 % For Mar 31 2019 | 32.38 % For Dec 29 2018 | 16.12 % For Mar 31 2019 | 32.08 % For Mar 31 2019 | Unavailable |
| **Gross Profit Margin** | 66.73% for March 31, 2019 | 37.61% for March 31, 2019 | 28.78% for March 31, 2019 | 81.32% for March 31, 2019 | Unavailable |
| **Net Margin (Quarter)** | 28.81 % For Mar 31 2019 | 23.68 % For Dec 29 2018 | 5.96 % For Mar 31 2019 | 16.11 % For Mar 31 2019 | Unavailable |

ADD SOME ANALYSIS HERE

**ESG Analysis**

|  |  |
| --- | --- |
| **MSCI ESG Rating** | BBB |
| **MSCI ESG Quality Score** | 5.18 / 10 |
| **Peer Group Percentile Rank** | 38.34 |
| **Global Percentile Rank** | 43.47 |
| **SRI Screening Criteria Exposure** | 11.10% |
| **Exposure to Sustainable Impact Solutions** | 5.72% |
| **Weighted Average Carbon Intensity (t CO2e/$M Sales)** | 190.86 |

ADD SOME ANALYSIS HERE

**Summary**

ADD SUMMARY HERE