

Aldel Education Trust

St. John College of Engineering and Management, Palghar

DEPARTMENT OF MECHANICAL ENGINEERING

CO Attainment for 2018-2022 Batch

Table # Course Outcome attainment of all courses

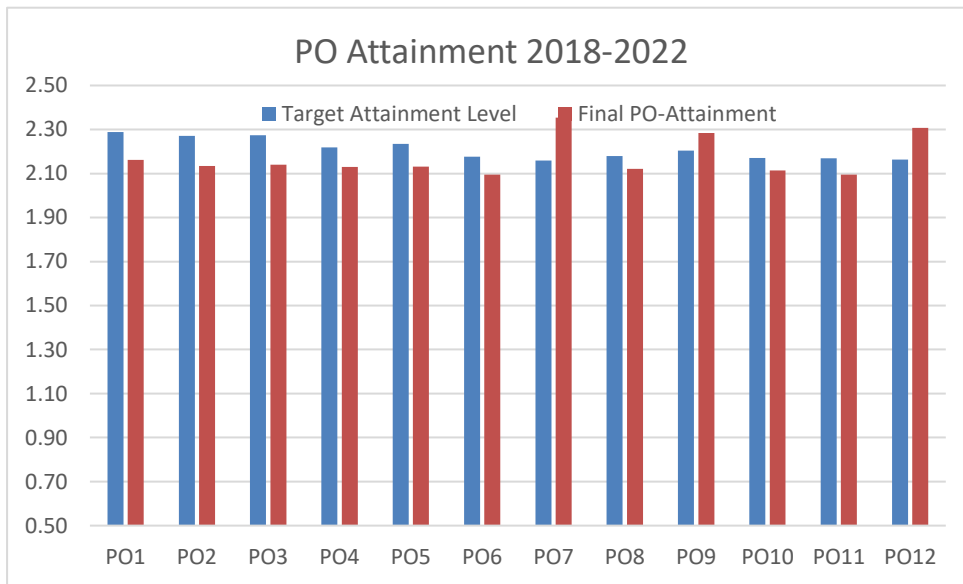
| Course Code | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 |
|---------------------|------|------|------|------|------|------|
| Semester I | | | | | | |
| FEC101 | 3 | 3 | 3 | 3 | 3 | 3 |
| FEC102 | 2 | 2 | 2 | 2 | 2 | 2 |
| FEC103 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 |
| FEC104 | 3 | 3 | 3 | 3 | 3 | 3 |
| FEC105 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| FEC106 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| Semester II | | | | | | |
| FEC201 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 |
| FEC202 | 3 | 3 | 3 | 3 | 3 | 3 |
| FEC203 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 |
| FEC204 | 3 | 3 | 3 | 3 | 3 | 3 |
| FEC205 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| FEC206 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 |
| Semester III | | | | | | |
| MEC 301 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| MEC 302 | 1.8 | 1.4 | 1.6 | 1.6 | 1.6 | 1.6 |
| MEC 304 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| MEC 303 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 |
| MEL 307 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 |
| MEL 306 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| MEL 305 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| Semester IV | | | | | | |
| MEC 401 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| MEC 402 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| MEC 403 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| MEC 404 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| MEC 406 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 |
| MEC 405 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| MEL 407 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| Semester V | | | | | | |
| MEC 505 | 2.5 | 2.2 | 2.1 | 2.2 | 2.1 | 2.2 |
| MEC 502 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 |
| MEC 501 | 2.5 | 2.2 | 2.1 | 2.2 | 2.1 | 2.2 |
| MEC 504 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| MEC 503 | 3 | 3 | 3 | 3 | 3 | 3 |
| MEL 506 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |

| Semester VI | | | | | | |
|----------------------|------|------|-------|-------|------|------|
| MEC 602 | 1.67 | 1.67 | 1.67 | 1.67 | 1.67 | 1.67 |
| MEC 604 | 2.25 | 2.2 | 2.23 | 2.3 | 2.1 | 2.1 |
| MEC 605 | 3 | 2.4 | 3 | 2.32 | 3 | 2.2 |
| MEC 606 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| MEC 603 | 2.6 | 2.72 | 2.345 | 2.53 | 2.53 | 2.39 |
| MEC 601 | 2.5 | 2.52 | 2.53 | 2.56 | 2.6 | 2.61 |
| Semester VII | | | | | | |
| MEC 701 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | |
| MEC 702 | 2.46 | 2.33 | 2.2 | 2.8 | 2.6 | 2.6 |
| MEC 703 | 2.5 | 2.75 | 2.7 | 2.8 | 2.75 | 2.75 |
| MEC 704 | 2.26 | 2.74 | 2.41 | 2.356 | 2.24 | 2.11 |
| MEC 701 X1 | 2.5 | 2.75 | 2.7 | 2.8 | 2.75 | 2.75 |
| MEC 701 X2 | 2.52 | 2.76 | 2.68 | 2.76 | 2.7 | 2.68 |
| MEC 701 X3 | 2.92 | 2.82 | 2.91 | 2.83 | 2.87 | 2.74 |
| MEC 701 X4 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| Semester VIII | | | | | | |
| MEC 801 | 3 | 2.04 | 3 | 3 | 2.52 | 3 |
| MEC 802 | 2.73 | 3 | 2.2 | 2.2 | 2 | 3 |
| MEC 803 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| MEC 801 X1 | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 |
| MEC 801 X2 | 2.52 | 2.59 | 2.2 | 2.1 | 2.4 | 2.52 |
| MEC 801 X3 | 3 | 3 | 3 | 3 | 3 | 3 |
| MEC 801 X4 | 2.73 | 2.67 | 2.73 | 2.73 | 2.73 | 2.73 |

| Attribute | Count | % |
|--|--------------|--------------|
| CO Attainment Less than 1.8 (<60%) | 23 | 7.26 |
| CO Attainment between 1.8(60%) to 2.2499 (<75%) | 61 | 19.24 |
| CO Attainment between 2.25(75%) and 2.699 (<90%) | 124 | 39.12 |
| CO Attainment Above 2.7 (>90%) | 109 | 34.38 |
| Total | 317 | |

| | | | | | | | | | | | | | |
|----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| MEL 307 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| MEL 306 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 |
| MEL 305 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.23 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| Semester IV | | | | | | | | | | | | | |
| MEC 401 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| MEC 402 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | | 2.75 | 2.75 | 2.75 | 2.75 |
| MEC 403 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 |
| MEC 404 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| MEC 406 | 2.375 | 2.375 | 2.375 | 2.375 | 2.375 | 2.375 | 2.375 | 2.375 | 2.375 | 2.375 | 2.375 | 2.375 | 2.375 |
| MEC 405 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| MEL 407 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| Semester V | | | | | | | | | | | | | |
| MEC 505 | 2.19 | 2.04 | 2.11 | 2.17 | 2.15 | 2.16 | 2.2 | 2.16 | | 2.16 | 2.16 | 2.15 | |
| MEC 502 | 2.33 | 2 | 2.67 | 2 | 3 | 2 | 2 | 2.67 | 2 | 2 | 2 | 2 | 2 |
| MEC 501 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 |
| MEC 504 | 2.19 | 2.04 | 2.11 | 2.17 | 2.15 | 2.16 | 2.2 | 2.16 | | 2.16 | 2.16 | 2.15 | |
| MEC 503 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 |
| MEL 506 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Semester VI | | | | | | | | | | | | | |
| MEC 602 | 1.67 | 1.67 | 2 | 1.67 | 1.67 | 2 | 2 | 2 | 2 | 1.67 | 1.67 | 1.67 | |
| MEC 604 | 2.21 | 2.22 | 2.21 | 2.18 | 2.18 | 2.19 | | 2.27 | 2.27 | 2.23 | 2.3 | 2.3 | |
| MEC 605 | 2.79 | 2.28 | 2.74 | 2.8 | 2.76 | 2.74 | 2.79 | 2 | 2.79 | 2.79 | 2.79 | 2.79 | 2.79 |
| MEC 606 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| MEC 603 | 2.515 | 2.505 | 2.525 | 2.52 | 2.91 | 2.39 | 2.48 | 2.575 | 0 | 2.53 | 0 | 2.62 | |
| MEC 601 | 2.56 | 2.52 | 2.54 | 2.54 | 2.55 | 2.53 | 2.57 | 2.56 | 2.56 | 2.59 | 2.6 | 2.56 | |
| Semester VII | | | | | | | | | | | | | |
| MEC 701 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| MEC 702 | 2.21 | 2.22 | 2.21 | 2.18 | 2.18 | 2.19 | | 2.27 | 2.27 | 2.23 | 2.3 | 2.27 | |
| MEC 703 | 2.76 | 2.75 | 2.76 | 2.75 | 2.76 | 2.74 | 2.75 | 2.75 | 2.75 | 2.76 | 2.76 | 2.75 | |
| MEC 704 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| MEC 701 X1 | 2.21 | 2.22 | 2.21 | 2.18 | 2.18 | 2.19 | | 2.27 | 2.27 | 2.23 | 2.3 | 2.27 | |
| MEC 701 X2 | 2.665 | 2.63 | 2.755 | 2.66 | 2.685 | 0 | 2.72 | 2.68 | 2.68 | 2.7 | 2.68 | 0 | |
| MEC 701 X3 | 2.84 | 2.84 | 2.85 | 2.86 | 2.87 | 2.87 | 2.87 | 2.91 | 2.82 | 2.88 | 2.84 | 2.92 | |
| MEC 701 X4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Semester VIII | | | | | | | | | | | | | |
| MEC 801 | 2.59 | 2.76 | 2.91 | 2.74 | 1.61 | 2.65 | 3.94 | 2.07 | | | | | |
| MEC 802 | 2.48 | 2.45 | 2.27 | 2.2 | 2.6 | 2.43 | 2 | 2.91 | 2.55 | 2.52 | 2.51 | 2.57 | |
| MEC 803 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | | 2.6 | 2.6 | 2.6 | 2.6 | | |
| MEC 801 X1 | 2.83 | 2.79 | 2.83 | 2.83 | | 2.83 | 2.83 | 2.83 | | | | 2.83 | |
| MEC 801 X2 | 2.35 | 2.38 | 2.43 | 2.38 | | | 2.38 | 2.4 | | 2.05 | 2.37 | 2.28 | |
| MEC 801 X3 | 3 | 2.1 | 2.2 | 3 | 2.78 | 3 | | | 3 | 3 | 3 | 3 | |
| MEC 801 X4 | 2.49 | 2.56 | 2.71 | 2.71 | 2.71 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | | |
| | | | | | | | | | | | | | |
| Average | 2.45 | 2.42 | 2.43 | 2.41 | 2.41 | 2.37 | 2.44 | 2.40 | 2.36 | 2.39 | 2.37 | 2.38 | |

| | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|------|-------|------|-------|-------|------|
| Average – PO Attainment-Direct (80%) | 1.96 | 1.93 | 1.94 | 1.93 | 1.93 | 1.89 | 1.95 | 1.92 | 1.88 | 1.91 | 1.89 | 1.91 |
| PO-Indirect Attainment | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 2.00 | 1.00 | 2.00 | 1.00 | 1.00 | 2.00 |
| PO-Indirect Attainment (20%) | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.2 | 0.4 | 0.2 | 0.2 | 0.4 |
| Final PO-Attainment | 2.16 | 2.13 | 2.14 | 2.13 | 2.13 | 2.09 | 2.35 | 2.12 | 2.28 | 2.11 | 2.09 | 2.31 |
| Targeted Map Level | 2.19 | 2.11 | 2.12 | 1.84 | 1.92 | 1.64 | 1.54 | 1.65 | 1.77 | 1.60 | 1.60 | 1.56 |
| Target Attainment Level | 2.29 | 2.27 | 2.27 | 2.22 | 2.23 | 2.18 | 2.16 | 2.18 | 2.20 | 2.17 | 2.17 | 2.16 |
| Deviation % | -5.51 | -6.04 | -5.89 | -3.95 | -4.63 | -3.78 | 9.04 | -2.69 | 3.59 | -2.64 | -3.44 | 6.66 |
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