

| Identification des étudiants                           |                         | Résultat     | NMS10005<br>1er Année<br>NMSE | NMS11005<br>S1 NMSE | NMS11105<br>Outils d'aide à<br>la déci | NMS11115<br>Statistiques<br>inférentiel | NMS11125<br>Recherche<br>Opérationnelle | NMS11205<br>Développeme<br>nt et Réseaux | NMS11215<br>Développeme<br>nt Informatiqu | NMS11225<br>Réseaux<br>Informatiques | NMS11305<br>Automation<br>Industrielle | NMS11315<br>Automation<br>Industrielle | NMS11405<br>Electrotechniq<br>ue | NMS11415<br>Electrotechniq<br>ue | NMS11505<br>Acquisition,<br>Traitement . | NMS11515<br>Acquisition et<br>Traitement | NMS11525<br>Transmission<br>du Signal | NMS11605<br>Développeme<br>nt personnel | NMS11615<br>Développeme<br>nt personnel |
|--|-------------------------|--------------|-------------------------------|---------------------|--|---|---|--|---|--------------------------------------|--|--|----------------------------------|----------------------------------|--|--|---------------------------------------|---|---|
|  |                         | Ado / 20     | Ado / 20                      | Ado / 20            | Ado / 20                               | Ado / 20                                | Ado / 20                                | Ado / 20                                 | Ado / 20                                  | Ado / 20                             | Ado / 20                               | Ado / 20                               | Ado / 20                         | Ado / 20                         | Ado / 20                                 | Ado / 20                                 | Ado / 20                              | Ado / 20                                | Ado / 20                                |
| N° étudiant : 18503100<br><b>ABOUFARES KHALID</b>      | Note (+ PJ)<br>Résultat | 13.938<br>V  | 13.938<br>V                   | 13.858              | 15.5<br>V                              | 15                                      | 16                                      | 17.42<br>V                               | 17.7                                      | 17                                   | 12.051<br>V                            | 12.051                                 | 10<br>RAT                        | 10                               | 13.535<br>V                              | 12.554                                   | 15.825                                | 14.64<br>V                              | 13.6                                    |
| N° étudiant : 18503707<br><b>BENCHERKI ZAKARIA</b>     | Note (+ PJ)<br>Résultat | 14.108<br>V  | 14.108<br>V                   | 14.263              | 15.1<br>V                              | 14.2                                    | 16                                      | 17.82<br>V                               | 17.7                                      | 18                                   | 12.051<br>V                            | 12.051                                 | 12<br>V                          | 12                               | 13.726<br>V                              | 14.402                                   | 12.15                                 | 14.88<br>V                              | 13.7                                    |
| N° étudiant : 18504013<br><b>BIKNDAREN SOUHAILA</b>    | Note (+ PJ)<br>Résultat | 13.064<br>NV | 13.064<br>NV                  | 13.482              | 12.4<br>V                              | 13                                      | 11.8                                    | 18.02<br>V                               | 17.7                                      | 18.5                                 | 13.427<br>V                            | 13.427                                 | 7<br>RAT                         | 7                                | 15.122<br>V                              | 15.12                                    | 15.125                                | 14.92<br>V                              | 13.3                                    |
| N° étudiant : 17500147<br><b>BOUCHOUA LEILA</b>        | Note (+ PJ)<br>Résultat | 10.546<br>NV | 10.546<br>NV                  | 11.935              | 14<br>V                                | 13                                      | 15                                      | 16.22<br>V                               | 17.7                                      | 14                                   | 12.051<br>V                            | 12.051                                 | 6<br>RAT                         | 6                                | 10.901<br>RAT                            | 11.651                                   | 9.15                                  | 12.44<br>V                              | 13.6                                    |
| N° étudiant : 18503052<br><b>BOUHMIDI RAZAN ZAINAB</b> | Note (+ PJ)<br>Résultat | 14.387<br>V  | 14.387<br>V                   | 15.128              | 13.5<br>V                              | 12                                      | 15                                      | 17.42<br>V                               | 17.7                                      | 17                                   | 14.149<br>V                            | 14.149                                 | 16<br>V                          | 16                               | 14.819<br>V                              | 15.438                                   | 13.375                                | 14.88<br>V                              | 13.2                                    |
| N° étudiant : 18503084<br><b>BOUKAMIS YOUSSEF</b>      | Note (+ PJ)<br>Résultat | 12.002<br>NV | 12.002<br>NV                  | 14.466              | 13.5<br>V                              | 12                                      | 15                                      | 17.42<br>V                               | 17.7                                      | 17                                   | 11.322<br>RAT                          | 11.322                                 | 18<br>V                          | 18                               | 14.074<br>V                              | 12.681                                   | 17.325                                | 12.48<br>V                              | 13.7                                    |
| N° étudiant : 20512213<br><b>BOULRHECHA ANOUAR</b>     | Note (+ PJ)<br>Résultat | 12.425<br>V  | 12.425<br>V                   | 12.437              | 12.7<br>V                              | 13                                      | 12.4                                    | 16.62<br>V                               | 17.7                                      | 15                                   | 12.051<br>V                            | 12.051                                 | 8<br>RAT                         | 6                                | 13.128<br>V                              | 13.45                                    | 12.375                                | 12.12<br>V                              | 13.3                                    |
| N° étudiant : 20512217<br><b>BOUSSEKRI OMAYMA</b>      | Note (+ PJ)<br>Résultat | 13.281<br>NV | 13.281<br>NV                  | 14.222              | 14.1<br>V                              | 14                                      | 14.2                                    | 17.12<br>V                               | 17.7                                      | 16.25                                | 14.149<br>V                            | 14.149                                 | 10<br>RAT                        | 10                               | 15.122<br>V                              | 14.446                                   | 16.7                                  | 14.84<br>V                              | 14.1                                    |
| N° étudiant : 18503671<br><b>CHAKIR ABDELLAH</b>       | Note (+ PJ)<br>Résultat | 10.379<br>NV | 10.379<br>NV                  | 11.48               | 12.8<br>V                              | 12                                      | 13.6                                    | 15.42<br>V                               | 17.7                                      | 12                                   | 10.103<br>RAT                          | 10.103                                 | 6<br>RAT                         | 6                                | 12.115<br>V                              | 12.1                                     | 12.15                                 | 12.44<br>V                              | 13.6                                    |
| N° étudiant : 18503904<br><b>CHLIAH AYOUB</b>          | Note (+ PJ)<br>Résultat | 12.558<br>NV | 12.558<br>NV                  | 14.353              | 15<br>V                                | 15                                      | 15                                      | 17.92<br>V                               | 17.7                                      | 18.25                                | 14.149<br>V                            | 14.149                                 | 10<br>RAT                        | 10                               | 14.366<br>V                              | 14.491                                   | 14.075                                | 14.68<br>V                              | 13.7                                    |
| N° étudiant : 18503731<br><b>DERNOUR OMAR</b>          | Note (+ PJ)<br>Résultat | 13.594<br>V  | 13.594<br>V                   | 14.811              | 16<br>V                                | 15                                      | 17                                      | 17.42<br>V                               | 17.7                                      | 17                                   | 13.427<br>V                            | 13.427                                 | 14<br>V                          | 14                               | 14.101<br>V                              | 14.637                                   | 12.85                                 | 13.92<br>V                              | 13.3                                    |
| N° étudiant : 18517052<br><b>DIAWARA MALAMINE</b>      | Note (+ PJ)<br>Résultat | 15.21<br>V   | 15.21<br>V                    | 15.42               | 15.1<br>V                              | 14.2                                    | 16                                      | 17.82<br>V                               | 17.7                                      | 18                                   | 12.698<br>V                            | 12.698                                 | 16<br>V                          | 16                               | 16.422<br>V                              | 16.303                                   | 16.7                                  | 14.48<br>V                              | 13.7                                    |
| N° étudiant : 18506324<br><b>EL ACHHAB OUMAYMA</b>     | Note (+ PJ)<br>Résultat | 11.803<br>NV | 11.803<br>NV                  | 13.027              | 15.5<br>V                              | 14                                      | 17                                      | 16.62<br>V                               | 17.7                                      | 15                                   | 13.427<br>V                            | 13.427                                 | 6<br>RAT                         | 6                                | 12.496<br>V                              | 12.483                                   | 12.525                                | 14.12<br>V                              | 13.3                                    |
| N° étudiant : 18504079<br><b>EL AHMAR JAWAD</b>        | Note (+ PJ)<br>Résultat | 14.25<br>V   | 14.25<br>V                    | 14.717              | 15.5<br>V                              | 15                                      | 16                                      | 17.82<br>V                               | 17.7                                      | 18                                   | 14.803<br>V                            | 14.803                                 | 12<br>V                          | 12                               | 14.861<br>V                              | 14.63                                    | 15.4                                  | 13.32<br>V                              | 13.3                                    |
| N° étudiant : 18502559<br><b>EL MAJID MERYEME</b>      | Note (+ PJ)<br>Résultat | 14.656<br>V  | 14.656<br>V                   | 15.38               | 15.5<br>V                              | 15                                      | 16                                      | 17.62<br>V                               | 17.7                                      | 17.5                                 | 14.149<br>V                            | 14.149                                 | 15<br>V                          | 15                               | 15.169<br>V                              | 14.567                                   | 16.575                                | 14.84<br>V                              | 13.6                                    |
| N° étudiant : 18503946<br><b>EL-GARN HIND</b>          | Note (+ PJ)<br>Résultat |              |                               | 15.708              | 16.05<br>V                             | 15                                      | 17.1                                    | 17.82<br>V                               | 17.7                                      | 18                                   | 14.803<br>V                            | 14.803                                 | 15<br>V                          | 15                               | 16.092<br>V                              | 16.153                                   | 15.95                                 | 14.48<br>V                              | 13.7                                    |
| N° étudiant : 18503372<br><b>ELHAZAMI MOHAMED</b>      | Note (+ PJ)<br>Résultat | 12.74<br>NV  | 12.74<br>NV                   | 13.879              | 16<br>V                                | 15                                      | 17                                      | 16.22<br>V                               | 17.7                                      | 14                                   | 12.698<br>V                            | 12.698                                 | 12<br>V                          | 12                               | 12.076<br>V                              | 11.691                                   | 12.975                                | 14.28<br>V                              | 13.2                                    |
| N° étudiant : 18504139<br><b>ESSAGHYR AYOUB</b>        | Note (+ PJ)<br>Résultat |              |                               |                     |  |   |   |  |   |                                      |  |  |                                  |                                  |  |  |                                       |   |   |
| N° étudiant : 18504160<br><b>ESSAKI LOUBNA</b>         | Note (+ PJ)<br>Résultat | 11.139<br>NV | 11.139<br>NV                  | 12.221              | 14.9<br>V                              | 14                                      | 15.8                                    | 15.82<br>V                               | 17.7                                      | 13                                   | 11.397<br>RAT                          | 11.397                                 | 6<br>RAT                         | 6                                | 11.888<br>RAT                            | 11.776                                   | 12.15                                 | 13.32<br>V                              | 13.3                                    |
| N° étudiant : 17500053<br><b>FARJIA TAHA</b>           | Note (+ PJ)<br>Résultat | 11.921<br>NV | 11.921<br>NV                  | 13.231              | 14.9<br>V                              | 14                                      | 15.8                                    | 17.02<br>V                               | 17.7                                      | 16                                   | 15.6<br>V                              | 15.6                                   | 6<br>RAT                         | 6                                | 12.384<br>V                              | 11.83                                    | 13.675                                | 13.48<br>V                              | 13.7                                    |
| N° étudiant : 18504085<br><b>HAIKER NASSER EDDINE</b>  | Note (+ PJ)<br>Résultat | 12.628<br>NV | 12.628<br>NV                  | 12.254              | 13.7<br>V                              | 13                                      | 14.4                                    | 16.62<br>V                               | 17.7                                      | 15                                   | 12.698<br>V                            | 12.698                                 | 6<br>RAT                         | 6                                | 11.467<br>RAT                            | 11.196                                   | 12.1                                  | 13.04<br>V                              | 14.1                                    |
| N° étudiant : 18503665<br><b>HALABI ZINEB</b>          | Note (+ PJ)<br>Résultat | 12.066<br>NV | 12.066<br>NV                  | 13.569              | 15.1<br>V                              | 15                                      | 15.2                                    | 17.82<br>V                               | 17.7                                      | 18                                   | 11.322<br>RAT                          | 11.322                                 | 10<br>RAT                        | 10                               | 13.293<br>V                              | 13.386                                   | 13.075                                | 13.88<br>V                              | 13.2                                    |
| N° étudiant : 17500054<br><b>HANI AHMED</b>            | Note (+ PJ)<br>Résultat | 9.88<br>NV   | 9.88<br>NV                    | 11.657              | 14.2<br>V                              | 13.4                                    | 15                                      | 16.22<br>V                               | 17.7                                      | 14                                   | 9.102<br>RAT                           | 9.102                                  | 7<br>RAT                         | 7                                | 9.902<br>RAT                             | 11.146                                   | 7                                     | 13.52<br>V                              | 13.3                                    |
| N° étudiant : 18503892<br><b>HASSIBOUN AHMED</b>       | Note (+ PJ)<br>Résultat | 14.746<br>V  | 14.746<br>V                   | 15.462              | 14.7<br>V                              | 13.4                                    | 16                                      | 17.02<br>V                               | 17.7                                      | 16                                   | 14.149<br>V                            | 14.149                                 | 18<br>V                          | 18                               | 13.861<br>V                              | 12.59                                    | 16.825                                | 15.04<br>V                              | 13.6                                    |
| N° étudiant : 18503720<br><b>KARAM SOUHAIL</b>         | Note (+ PJ)<br>Résultat | 12.191<br>NV | 12.191<br>NV                  | 13.211              | 14<br>V                                | 13                                      | 15                                      | 17.82<br>V                               | 17.7                                      | 18                                   | 14.149<br>V                            | 14.149                                 | 6<br>RAT                         | 6                                | 12.419<br>V                              | 12.406                                   | 12.45                                 | 14.88<br>V                              | 13.2                                    |
| N° étudiant : 18514475<br><b>KHOULID ALI</b>           | Note (+ PJ)<br>Résultat | 12.705<br>NV | 12.705<br>NV                  | 13.771              | 14.1<br>V                              | 12.2                                    | 16                                      | 17.42<br>V                               | 17.7                                      | 17                                   | 15.6<br>V                              | 15.6                                   | 8<br>RAT                         | 8                                | 13.024<br>V                              | 12.38                                    | 14.525                                | 14.48<br>V                              | 13.7                                    |
| N° étudiant : 18502552<br><b>LAKHAL HIND</b>           | Note (+ PJ)<br>Résultat | 14.141<br>V  | 14.141<br>V                   | 15.316              | 16<br>V                                | 15                                      | 17                                      | 18.42<br>V                               | 17.7                                      | 19.5                                 | 14.092<br>V                            | 13.6                                   | 13<br>V                          | 13                               | 15.341<br>V                              | 15.059                                   | 16                                    | 15.04<br>V                              | 14.1                                    |

| Identification des étudiants                           |             | NMS11625                | NMS11635               | NMS12005 | NMS12105                   | NMS12115                 | NMS12125                 | NMS12205                | NMS12215                | NMS12305             | NMS12315             | NMS12405                  | NMS12415                  | NMS12505                | NMS12515                | NMS12605                 | NMS12615          | NMS12625              | NMS12635           |
|--|-------------|-------------------------|------------------------|----------|----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|----------------------|----------------------|---------------------------|---------------------------|-------------------------|-------------------------|--------------------------|-------------------|-----------------------|--------------------|
|  |             | English for Engineering | Projet personnel et sé | S2 NMSE  | Microcontrôle urs & Compos | Systèmes à Microprocesse | Composants Logiques Prog | Régulation Industrielle | Régulation Industrielle | Machines Electriques | Machines Electriques | Electronique de Puissance | Electronique de Puissance | Conception des Systèmes | Conception des Systèmes | Environneme nt Economiqu | Economie générale | Comptabilité générale | Droit d'entreprise |
|  |             | Ado / 20                | Ado / 20               | Ado / 20 | Ado / 20                   | Ado / 20                 | Ado / 20                 | Ado / 20                | Ado / 20                | Ado / 20             | Ado / 20             | Ado / 20                  | Ado / 20                  | Ado / 20                | Ado / 20                | Ado / 20                 | Ado / 20          | Ado / 20              | Ado / 20           |
| N° étudiant : 18503100<br><b>ABOUFARES KHALID</b>      | Note (+ PJ) | 15.5                    | 15                     | 14.019   | 12.2                       | 12.35                    | 12.05                    | 14.5                    | 14.5                    | 10.75                | 10.75                | 12                        | 12                        | 16.663                  | 16.663                  | 18                       | 18                | 20                    | 16                 |
|  | Résultat    |                         |                        |          | V                          |                          |                          | V                       |                         | RAT                  |                      | V                         |                           | V                       |                         | V                        |                   |                       |                    |
| N° étudiant : 18503707<br><b>BENCHERKI ZAKARIA</b>     | Note (+ PJ) | 17                      | 13                     | 13.954   | 17.013                     | 17.075                   | 16.95                    | 8.15                    | 8.15                    | 15.174               | 15.174               | 12.05                     | 12.05                     | 13.246                  | 13.246                  | 18.09                    | 18                | 20                    | 16.3               |
|  | Résultat    |                         |                        |          | V                          |                          |                          | RAT                     |                         | V                    |                      | V                         |                           | V                       |                         | V                        |                   |                       |                    |
| N° étudiant : 18504013<br><b>BIKDAREN SOUHAILA</b>     | Note (+ PJ) | 17                      | 14                     | 12.647   | 13.325                     | 15.05                    | 11.6                     | 9.8                     | 9.8                     | 13.6                 | 13.6                 | 10.95                     | 10.95                     | 10.204                  | 10.204                  | 18                       | 18                | 20                    | 16                 |
|  | Résultat    |                         |                        |          | V                          |                          |                          | RAT                     |                         | V                    |                      | RAT                       |                           | RAT                     |                         | V                        |                   |                       |                    |
| N° étudiant : 17500147<br><b>BOUCHOUA LEILA</b>        | Note (+ PJ) | 10                      | 15                     | 9.156    | 10.838                     | 10.375                   | 11.3                     | 4.55                    | 4.55                    | 9                    | 9                    | 6.4                       | 6.4                       | 6.66                    | 6.66                    | 17.49                    | 18                | 18                    | 16.3               |
|  | Résultat    |                         |                        |          | RAT                        |                          |                          | RAT                     |                         | RAT                  |                      | RAT                       |                           | RAT                     |                         | V                        |                   |                       |                    |
| N° étudiant : 18503052<br><b>BOUHMIDI RAZAN ZAINAB</b> | Note (+ PJ) | 16                      | 16                     | 13.646   | 17.85                      | 18                       | 17.7                     | 16                      | 16                      | 12.025               | 12.025               | 10.8                      | 10.8                      | 9.513                   | 9.513                   | 15.69                    | 18                | 12                    | 16.3               |
|  | Résultat    |                         |                        |          | V                          |                          |                          | V                       |                         | V                    |                      | RAT                       |                           | RAT                     |                         | V                        |                   |                       |                    |
| N° étudiant : 18503084<br><b>BOUKAMIS YOUSSEF</b>      | Note (+ PJ) | 11                      | 13                     | 9.538    | 10.4                       | 11.6                     | 9.2                      | 6.6                     | 6.6                     | 10.85                | 10.85                | 5.55                      | 5.55                      | 6.428                   | 6.428                   | 17.4                     | 18                | 18                    | 16                 |
|  | Résultat    |                         |                        |          | RAT                        |                          |                          | RAT                     |                         | RAT                  |                      | RAT                       |                           | RAT                     |                         | V                        |                   |                       |                    |
| N° étudiant : 20512213<br><b>BOULRHECHA ANOUAR</b>     | Note (+ PJ) | 10                      | 14                     | 12.413   | 12.45                      | 10.85                    | 14.05                    | 12.7                    | 12.7                    | 8.05                 | 8.05                 | 9.05                      | 9.05                      | 14.828                  | 14.828                  | 17.4                     | 18                | 18                    | 16                 |
|  | Résultat    |                         |                        |          | V                          |                          |                          | V                       |                         | RAT                  |                      | RAT                       |                           | V                       |                         | V                        |                   |                       |                    |
| N° étudiant : 20512217<br><b>BOUSSEKRI OMAYMA</b>      | Note (+ PJ) | 17                      | 12                     | 12.34    | 10.438                     | 11.725                   | 9.15                     | 7.1                     | 7.1                     | 14.6                 | 14.6                 | 9.55                      | 9.55                      | 15.662                  | 15.662                  | 16.69                    | 16                | 18                    | 16.3               |
|  | Résultat    |                         |                        |          | RAT                        |                          |                          | RAT                     |                         | V                    |                      | RAT                       |                           | V                       |                         | V                        |                   |                       |                    |
| N° étudiant : 18503671<br><b>CHAKIR ABDELLAH</b>       | Note (+ PJ) | 10                      | 15                     | 9.279    | 8.35                       | 8.15                     | 8.55                     | 6.3                     | 6.3                     | 9.1                  | 9.1                  | 5.9                       | 5.9                       | 8.024                   | 8.024                   | 18                       | 18                | 20                    | 16                 |
|  | Résultat    |                         |                        |          | RAT                        |                          |                          | RAT                     |                         | RAT                  |                      | RAT                       |                           | RAT                     |                         | V                        |                   |                       |                    |
| N° étudiant : 18503904<br><b>CHLIAH AYOUB</b>          | Note (+ PJ) | 16.5                    | 13                     | 10.764   | 10.763                     | 10.125                   | 11.4                     | 10.5                    | 10.5                    | 9.199                | 9.199                | 7.25                      | 7.25                      | 9.469                   | 9.469                   | 17.4                     | 18                | 18                    | 16                 |
|  | Résultat    |                         |                        |          | RAT                        |                          |                          | RAT                     |                         | RAT                  |                      | RAT                       |                           | RAT                     |                         | V                        |                   |                       |                    |
| N° étudiant : 18503731<br><b>DERNOUR OMAR</b>          | Note (+ PJ) | 14.5                    | 14                     | 12.376   | 12.2                       | 12.35                    | 12.05                    | 9.25                    | 9.25                    | 12.024               | 12.024               | 12.05                     | 12.05                     | 10.642                  | 10.642                  | 18.09                    | 18                | 20                    | 16.3               |
|  | Résultat    |                         |                        |          | V                          |                          |                          | RAT                     |                         | V                    |                      | V                         |                           | RAT                     |                         | V                        |                   |                       |                    |
| N° étudiant : 18517052<br><b>DIAWARA MALAMINE</b>      | Note (+ PJ) | 16                      | 13                     | 15.001   | 16.375                     | 16.2                     | 16.55                    | 14.45                   | 14.45                   | 16.55                | 16.55                | 12.5                      | 12.5                      | 13.84                   | 13.84                   | 16.29                    | 18                | 14                    | 16.3               |
|  | Résultat    |                         |                        |          | V                          |                          |                          | V                       |                         | V                    |                      | V                         |                           | V                       |                         | V                        |                   |                       |                    |
| N° étudiant : 18506324<br><b>EL ACHHAB OUMAYMA</b>     | Note (+ PJ) | 15                      | 14                     | 10.579   | 12.65                      | 11.225                   | 14.075                   | 8.4                     | 8.4                     | 8.175                | 8.175                | 7.65                      | 7.65                      | 9.107                   | 9.107                   | 17.49                    | 18                | 18                    | 16.3               |
|  | Résultat    |                         |                        |          | V                          |                          |                          | RAT                     |                         | RAT                  |                      | RAT                       |                           | RAT                     |                         | V                        |                   |                       |                    |
| N° étudiant : 18504079<br><b>EL AHMAR JAWAD</b>        | Note (+ PJ) | 13                      | 14                     | 13.782   | 12.763                     | 13.525                   | 12                       | 14.45                   | 14.45                   | 13.075               | 13.075               | 12                        | 12                        | 12.402                  | 12.402                  | 18                       | 18                | 20                    | 16                 |
|  | Résultat    |                         |                        |          | V                          |                          |                          | V                       |                         | V                    |                      | V                         |                           | V                       |                         | V                        |                   |                       |                    |
| N° étudiant : 18502559<br><b>EL MAJID MERYEME</b>      | Note (+ PJ) | 16                      | 15                     | 13.933   | 12.013                     | 13.475                   | 10.55                    | 14.5                    | 14.5                    | 14.299               | 14.299               | 10.65                     | 10.65                     | 14.646                  | 14.646                  | 17.49                    | 18                | 18                    | 16.3               |
|  | Résultat    |                         |                        |          | V                          |                          |                          | V                       |                         | V                    |                      | RAT                       |                           | V                       |                         | V                        |                   |                       |                    |
| N° étudiant : 18503946<br><b>EL-GARN HIND</b>          | Note (+ PJ) | 16                      | 13                     |          | 17.275                     | 17.4                     | 17.15                    | 18.5                    | 18.5                    | 10.5                 | 10.5                 | 9.8                       | 9.8                       |                         |                         | 18.89                    | 20                | 20                    | 16.3               |
|  | Résultat    |                         |                        |          | V                          |                          |                          | V                       |                         | RAT                  |                      | RAT                       |                           |                         |                         | V                        |                   |                       |                    |
| N° étudiant : 18503372<br><b>ELHAZAMI MOHAMED</b>      | Note (+ PJ) | 14.5                    | 16                     | 11.601   | 15.875                     | 17.25                    | 14.5                     | 9.25                    | 9.25                    | 9.925                | 9.925                | 8.35                      | 8.35                      | 8.113                   | 8.113                   | 18.09                    | 18                | 20                    | 16.3               |
|  | Résultat    |                         |                        |          | V                          |                          |                          | RAT                     |                         | RAT                  |                      | RAT                       |                           | RAT                     |                         | V                        |                   |                       |                    |
| N° étudiant : 18504139<br><b>ESSAGHYR AYOUB</b>        | Note (+ PJ) |                         |                        |          |                            |                          |                          |                         |                         |                      |                      |                           |                           |                         |                         |                          |                   |                       |                    |
|  | Résultat    |                         |                        |          |                            |                          |                          |                         |                         |                      |                      |                           |                           |                         |                         |                          |                   |                       |                    |
| N° étudiant : 18504160<br><b>ESSAKI LOUBNA</b>         | Note (+ PJ) | 13                      | 14                     | 10.056   | 9.888                      | 9.425                    | 10.35                    | 10.3                    | 10.3                    | 8.3                  | 8.3                  | 8.5                       | 8.5                       | 9.859                   | 9.859                   | 13.49                    | 14                | 10                    | 16.3               |
|  | Résultat    |                         |                        |          | RAT                        |                          |                          | RAT                     |                         | RAT                  |                      | RAT                       |                           | RAT                     |                         | V                        |                   |                       |                    |
| N° étudiant : 17500053<br><b>FARJIA TAHA</b>           | Note (+ PJ) | 13.5                    | 13                     | 10.612   | 10.163                     | 10.925                   | 9.4                      | 12                      | 11.9                    | 8.499                | 8.499                | 10.75                     | 10.75                     | 4.17                    | 4.17                    | 18.09                    | 18                | 20                    | 16.3               |
|  | Résultat    |                         |                        |          | RAT                        |                          |                          | V                       |                         | RAT                  |                      | RAT                       |                           | RAT                     |                         | V                        |                   |                       |                    |
| N° étudiant : 18504085<br><b>HAIKER NASSER EDDINE</b>  | Note (+ PJ) | 12.5                    | 12                     | 13.001   | 14.9                       | 17.85                    | 11.95                    | 10.3                    | 10.3                    | 10.249               | 10.249               | 10.4                      | 10.4                      | 14.068                  | 14.068                  | 18.09                    | 18                | 20                    | 16.3               |
|  | Résultat    |                         |                        |          | V                          |                          |                          | RAT                     |                         | RAT                  |                      | RAT                       |                           | V                       |                         | V                        |                   |                       |                    |
| N° étudiant : 18503665<br><b>HALABI ZINEB</b>          | Note (+ PJ) | 13.5                    | 16                     | 10.562   | 13.313                     | 14.775                   | 11.85                    | 7.7                     | 7.7                     | 8.05                 | 8.05                 | 7                         | 7                         | 9.22                    | 9.22                    | 18.09                    | 18                | 20                    | 16.3               |
|  | Résultat    |                         |                        |          | V                          |                          |                          | RAT                     |                         | RAT                  |                      | RAT                       |                           | RAT                     |                         | V                        |                   |                       |                    |
| N° étudiant : 17500054<br><b>HANI AHMED</b>            | Note (+ PJ) | 13.5                    | 14                     | 8.102    | 9.388                      | 7.525                    | 11.25                    | 5.6                     | 5.6                     | 4.9                  | 4.9                  | 5.9                       | 5.9                       | 6.624                   | 6.624                   | 16.2                     | 18                | 14                    | 16                 |
|  | Résultat    |                         |                        |          | RAT                        |                          |                          | RAT                     |                         | RAT                  |                      | RAT                       |                           | RAT                     |                         | V                        |                   |                       |                    |
| N° étudiant : 18503892<br><b>HASSIBOUN AHMED</b>       | Note (+ PJ) | 16.5                    | 15                     | 14.03    | 14.075                     | 16.15                    | 12                       | 13.65                   | 13.65                   | 13.3                 | 13.3                 | 13.25                     | 13.25                     | 11.817                  | 11.817                  | 18.09                    | 18                | 20                    | 16.3               |
|  | Résultat    |                         |                        |          | V                          |                          |                          | V                       |                         | V                    |                      | V                         |                           | RAT                     |                         | V                        |                   |                       |                    |
| N° étudiant : 18503720<br><b>KARAM SOUHAIL</b>         | Note (+ PJ) | 16                      | 16                     | 11.171   | 12.963                     | 15.825                   | 10.1                     | 8.85                    | 8.85                    | 9.899                | 9.899                | 9.35                      | 9.35                      | 7.873                   | 7.873                   | 18.09                    | 18                | 20                    | 16.3               |
|  | Résultat    |                         |                        |          | V                          |                          |                          | RAT                     |                         | RAT                  |                      | RAT                       |                           | RAT                     |                         | V                        |                   |                       |                    |
| N° étudiant : 18514475<br><b>KHOULID ALI</b>           | Note (+ PJ) | 16                      | 13                     | 11.638   | 10.575                     | 7.05                     | 14.1                     | 10.95                   | 10.95                   | 10.1                 | 10.1                 | 8.5                       | 8.5                       | 12.305                  | 12.305                  | 17.4                     | 18                | 18                    | 16                 |
|  | Résultat    |                         |                        |          | RAT                        |                          |                          | RAT                     |                         | RAT                  |                      | RAT                       |                           | V                       |                         | V                        |                   |                       |                    |
| N° étudiant : 18502552<br><b>LAKHAL HIND</b>           | Note (+ PJ) | 17.5                    | 12                     | 12.966   | 13.038                     | 14.875                   | 11.2                     | 11                      | 11                      | 15.174               | 15.174               | 10.65                     | 10.65                     | 9.844                   | 9.844                   | 18.09                    | 18                | 20                    | 16.3               |
|  | Résultat    |                         |                        |          | V                          |                          |                          | RAT                     |                         | V                    |                      | RAT                       |                           | RAT                     |                         | V                        |                   |                       |                    |

| Identification des étudiants                      |                         | Résultat     | NMS10005<br>1er Année<br>NMSE | NMS11005<br>S1 NMSE | NMS11105<br>Outils d'aide à<br>la déci | NMS11115<br>Statistiques<br>inférentiel | NMS11125<br>Recherche<br>Opérationnelle | NMS11205<br>Développeme<br>nt et Réseaux | NMS11215<br>Développeme<br>nt Informatiqu | NMS11225<br>Réseaux<br>Informatiques | NMS11305<br>Automation<br>Industrielle | NMS11315<br>Automation<br>Industrielle | NMS11405<br>Electrotechniq<br>ue | NMS11415<br>Electrotechniq<br>ue | NMS11505<br>Acquisition,<br>Traitement . | NMS11515<br>Acquisition et<br>Traitement | NMS11525<br>Transmission<br>du Signal | NMS11605<br>Développeme<br>nt personnel | NMS11615<br>Développeme<br>nt personnel |
|---|-------------------------|--------------|-------------------------------|---------------------|--|---|---|--|---|--------------------------------------|--|--|----------------------------------|----------------------------------|--|--|---------------------------------------|---|---|
|   |                         | Ado / 20     | Ado / 20                      | Ado / 20            | Ado / 20                               | Ado / 20                                | Ado / 20                                | Ado / 20                                 | Ado / 20                                  | Ado / 20                             | Ado / 20                               | Ado / 20                               | Ado / 20                         | Ado / 20                         | Ado / 20                                 | Ado / 20                                 | Ado / 20                              | Ado / 20                                | Ado / 20                                |
| N° étudiant : 18504142<br>LASRI ISMAIL            | Note (+ PJ)<br>Résultat | 14.722<br>V  | 14.722<br>V                   | 15.642              | 14.6<br>V                              | 15                                      | 14.2                                    | 17.92<br>V                               | 17.7                                      | 18.25                                | 15.6<br>V                              | 15.6                                   | 17<br>V                          | 17                               | 14.693<br>V                              | 14.39                                    | 15.4                                  | 14.04<br>V                              | 13.6                                    |
| N° étudiant : 20512225<br>OULAHIAN ABDERRAHIM     | Note (+ PJ)<br>Résultat | 11.475<br>NV | 11.475<br>NV                  | 12.484              | 15.5<br>V                              | 15                                      | 16                                      | 16.62<br>V                               | 17.7                                      | 15                                   | 12.051<br>V                            | 12.051                                 | 6<br>RAT                         | 6                                | 12.455<br>V                              | 12.585                                   | 12.15                                 | 12.28<br>V                              | 13.7                                    |
| N° étudiant : 17513495<br>RASOANIRINA NAMBININTSO | Note (+ PJ)<br>Résultat | 14.771<br>V  | 14.771<br>V                   | 14.862              | 13.1<br>V                              | 10.2                                    | 16                                      | 17.62<br>V                               | 17.7                                      | 17.5                                 | 12.698<br>V                            | 12.698                                 | 15<br>V                          | 15                               | 15.473<br>V                              | 15.397                                   | 15.65                                 | 15.28<br>V                              | 13.2                                    |
| N° étudiant : 17510984<br>YAGHZAR EL IDRISSE REDA | Note (+ PJ)<br>Résultat | 14.042<br>V  | 14.042<br>V                   | 14.449              | 14.15<br>V                             | 13                                      | 15.3                                    | 18.02<br>V                               | 17.7                                      | 18.5                                 | 12.698<br>V                            | 12.698                                 | 13<br>V                          | 13                               | 15.305<br>V                              | 13.979                                   | 18.4                                  | 13.52<br>V                              | 13.3                                    |
| N° étudiant : 17500313<br>ZITOUNI RIDA            | Note (+ PJ)<br>Résultat | 12.024<br>NV | 12.024<br>NV                  | 13.788              | 13.2<br>V                              | 13                                      | 13.4                                    | 16.92<br>V                               | 17.7                                      | 15.75                                | 12.698<br>V                            | 12.698                                 | 12<br>V                          | 12                               | 13.63<br>V                               | 13.235                                   | 14.55                                 | 14.28<br>V                              | 13.2                                    |
| <b>note max</b>                                   |                         | 15.21        | 15.21                         | 15.708              | 16.05                                  | 15                                      | 17.1                                    | 18.42                                    | 17.7                                      | 19.5                                 | 15.6                                   | 15.6                                   | 18                               | 18                               | 16.422                                   | 16.303                                   | 18.4                                  | 15.28                                   | 14.1                                    |
| <b>note min</b>                                   |                         | 9.88         | 9.88                          | 11.48               | 12.4                                   | 10.2                                    | 11.8                                    | 15.42                                    | 17.7                                      | 12                                   | 9.102                                  | 9.102                                  | 6                                | 6                                | 9.902                                    | 11.146                                   | 7                                     | 12.12                                   | 13.2                                    |
| <b>note moy</b>                                   |                         | 12.913       | 12.913                        | 13.887              | 14.529                                 | 13.729                                  | 15.329                                  | 17.226                                   | 17.7                                      | 16.516                               | 13.076                                 | 13.060                                 | 10.839                           | 10.774                           | 13.654                                   | 13.489                                   | 14.038                                | 13.995                                  | 13.519                                  |
| <b>écart type</b>                                 |                         | 1.442        | 1.442                         | 1.247               | 1.060                                  | 1.241                                   | 1.299                                   | 0.735                                    | 0   | 1.837                                | 1.561                                  | 1.553                                  | 4.108                            | 4.169                            | 1.582                                    | 1.492                                    | 2.449                                 | 0.938                                   | 0.277                                   |
| <b>moy - écart type</b>                           |                         | 11.471       | 11.471                        | 12.639              | 13.469                                 | 12.488                                  | 14.03                                   | 16.492                                   | 17.7                                      | 14.679                               | 11.515                                 | 11.508                                 | 6.731                            | 6.605                            | 12.072                                   | 11.997                                   | 11.589                                | 13.057                                  | 13.242                                  |

| Identification des étudiants                             |                         | NMS11625<br>English for<br>Engineering<br>Ado / 20 | NMS11635<br>Projet<br>personnel et sé<br>Ado / 20 | NMS12005<br>S2 NMSE<br>Ado / 20 | NMS12105<br>Microcontrôle<br>urs & Compos<br>Ado / 20 | NMS12115<br>Systèmes à<br>Microprocesse<br>Ado / 20 | NMS12125<br>Composants<br>Logiques Prog<br>Ado / 20 | NMS12205<br>Régulation<br>Industrielle<br>Ado / 20 | NMS12215<br>Régulation<br>Industrielle<br>Ado / 20 | NMS12305<br>Machines<br>Electriques<br>Ado / 20 | NMS12315<br>Machines<br>Electriques<br>Ado / 20 | NMS12405<br>Electronique<br>de Puissance<br>Ado / 20 | NMS12415<br>Electronique<br>de Puissance<br>Ado / 20 | NMS12505<br>Conception<br>des Systèmes<br>Ado / 20 | NMS12515<br>Conception<br>des Systèmes<br>Ado / 20 | NMS12605<br>Environneme<br>nt Economiqu<br>Ado / 20 | NMS12615<br>Economie<br>générale<br>Ado / 20 | NMS12625<br>Comptabilité<br>générale<br>Ado / 20 | NMS12635<br>Droit<br>d'entreprise<br>Ado / 20 |
|--|-------------------------|--|---|---------------------------------|---|---|---|--|--|---|---|--|--|--|--|---|--|--|---|
| N° étudiant : 18504142<br><b>LASRI ISMAIL</b>            | Note (+ PJ)<br>Résultat | 14   | 15  | 13.801                          | 13.5  | 11.9  | 15.1  | 12.4   | 12.4   | 8   | 8   | 14.1   | 14.1   | 16.805   | 16.805   | 18  | 18   | 20   | 16  |
|  |                         |  |   |                                 | V   |   |   | V  |  | RAT   |   | V  |  | V  |  | V   |  |  |   |
| N° étudiant : 20512225<br><b>OULAHIAN ABDERRAHIM</b>     | Note (+ PJ)<br>Résultat | 10.5   | 13  | 10.465                          | 10.5  | 8.9   | 12.1  | 8.15   | 8.15   | 6.75  | 6.75  | 9.35   | 9.35   | 10.641   | 10.641   | 17.4  | 18   | 18   | 16  |
|  |                         |  |   |                                 |   |   |   | RAT  |  | RAT   |   | RAT  |  | RAT  |  | V   |  |  |   |
| N° étudiant : 17513495<br><b>RASOANIRINA NAMBININTSO</b> | Note (+ PJ)<br>Résultat | 17   | 16  | 14.68                           | 13.4  | 15.5  | 11.3  | 14.1   | 14.1   | 12  | 12  | 12.05  | 12.05  | 18.04  | 18.04  | 18.49   | 19   | 20   | 16.3  |
|  |                         |  |   |                                 | V   |   |   | V  |  | V   |   | V  |  | V  |  | V   |  |  |   |
| N° étudiant : 17510984<br><b>YAGHZAR EL IDRISSE REDA</b> | Note (+ PJ)<br>Résultat | 13.5   | 14  | 13.635                          | 14.025  | 12.25   | 15.8  | 12.6   | 12.6   | 9.45  | 9.45  | 12.025   | 12.025   | 15.618   | 15.618   | 18.09   | 18   | 20   | 16.3  |
|  |                         |  |   |                                 | V   |   |   | V  |  | RAT   |   | V  |  | V  |  | V   |  |  |   |
| N° étudiant : 17500313<br><b>ZITOUNI RIDA</b>            | Note (+ PJ)<br>Résultat | 14.5   | 16  | 10.26                           | 12.85   | 13.35   | 12.35   | 9.8  | 9.8  | 4.9   | 4.9   | 5.9  | 5.9  | 10.018   | 10.018   | 18.09   | 18   | 20   | 16.3  |
|  |                         |  |   |                                 | V   |   |   | RAT  |  | RAT   |   | RAT  |  | RAT  |  | V   |  |  |   |
| <b>note max</b>  |                         | 17.5   | 16  | 15.001                          | 17.85   | 18  | 17.7  | 18.5   | 18.5   | 16.55   | 16.55   | 14.1   | 14.1   | 18.04  | 18.04  | 18.89   | 20   | 20   | 16.3  |
| <b>note min</b>  |                         | 10   | 12  | 8.102                           | 8.35  | 7.05  | 8.55  | 4.55   | 4.55   | 4.9   | 4.9   | 5.55   | 5.55   | 4.17   | 4.17   | 13.49   | 14   | 10   | 16  |
| <b>note moy</b>  |                         | 14.403   | 14.129  | 12.000                          | 12.753  | 13.001  | 12.506  | 10.723   | 10.719   | 10.531  | 10.531  | 9.685  | 9.685  | 11.212   | 11.212   | 17.555  | 17.903                                       | 18.452   | 16.194  |
| <b>écart type</b>  |                         | 2.296  | 1.284   | 1.866                           | 2.397   | 3.164   | 2.486   | 3.309  | 3.307  | 2.943   | 2.943   | 2.400  | 2.400  | 3.524  | 3.524  | 1.018   | 0.908  | 2.567  | 0.146   |
| <b>moy - écart type</b>                                  |                         | 12.107   | 12.845  | 10.134                          | 10.356  | 9.837   | 10.019  | 7.414  | 7.412  | 7.588   | 7.588   | 7.284  | 7.284  | 7.688  | 7.688  | 16.536  | 16.996                                       | 15.885   | 16.048  |