

| <b>List of Mtech paper codes</b> |                   |  |
|----------------------------------|-------------------|--|
| <b>S.no</b>                      | <b>Paper code</b> | <b>Paper name</b>                            |
| 1                                | AE                | Aerospace Engineering                        |
| 2                                | AG                | Agricultural Engineering                     |
| 3                                | AR                | Architecture and Planning                    |
| 4                                | BM                | Biomedical Engineering                       |
| 5                                | BT                | Biotechnology                                |
| 6                                | CE                | Civil Engineering                            |
| 7                                | CH                | Chemical Engineering                         |
| 8                                | CS                | Computer Science and Information Technology  |
| 9                                | CY                | Chemistry                                    |
| 10                               | DA                | Data Science & Artificial Intelligence (NEW) |
| 11                               | EC                | Electronics and Communication Engineering    |
| 12                               | EE                | Electrical Engineering                       |
| 13                               | ES                | Environmental Science & Engineering          |
| 14                               | EY                | Ecology and Evolution                        |
| 15                               | GE                | Geomatics Engineering                        |
| 16                               | GG                | Geology and Geophysics                       |
| 17                               | IN                | Instrumentation Engineering                  |
| 18                               | MA                | Mathematics                                  |
| 19                               | ME                | Mechanical Engineering                       |
| 20                               | MN                | Mining Engineering                           |
| 21                               | MT                | Metallurgical Engineering                    |
| 22                               | NM                | Naval Architecture and Marine Engineering    |
| 23                               | PE                | Petroleum Engineering                        |
| 24                               | PH                | Physics                                      |
| 25                               | PI                | Production and Industrial Engineering        |
| 26                               | ST                | Statistics                                   |
| 27                               | TF                | Textile Engineering and Fibre Science        |
| 28                               | XE                | Engineering Science                          |
| 29                               | XH                | Humanities and Social Sciences               |
| 30                               | XL                | Life Sciences                                |

## Aerospace Engineering

|    | Aerodynamics | Aerothermodynamics and Thermal Sciences | Computational Mechanics | Flight Mechanics | Propulsion | Structures |
|----|--------------|---|-------------------------|------------------|------------|------------|
| AE | Y            | Y                                       | Y                       | Y                | Y          | Y          |
| AG |              |   |                         |                  |            |            |
| AR |              |   |                         |                  |            |            |
| BM |              |   |                         |                  |            |            |
| BT |              |   |                         |                  |            |            |
| CE |              |   | Y                       |                  |            | Y          |
| CH | Y            |   |                         |                  | Y          |            |
| CS |              |   |                         | Y                |            |            |
| CY |              |   |                         |                  |            |            |
| DA |              |   |                         |                  |            |            |
| EC |              |   |                         | Y                |            |            |
| EE |              |   |                         | Y                |            |            |
| ES |              |   |                         |                  | Y          |            |
| EY |              |   |                         |                  |            |            |
| GE |              |   |                         |                  |            |            |
| GG |              |   |                         |                  |            |            |
| IN |              |   |                         | Y                |            |            |
| MA |              |   |                         | Y                |            |            |
| ME | Y            | Y                                       | Y                       | Y                | Y          | Y          |
| MN |              |   |                         |                  |            |            |
| MT |              |   |                         |                  |            |            |
| NM |              |   |                         |                  | Y          | Y          |
| PE | Y            |   |                         |                  | Y          |            |
| PH |              |   | Y                       | Y                | Y          | Y          |
| PI |              |   |                         |                  |            |            |
| ST |              |   |                         |                  |            |            |
| TF |              |   |                         |                  |            | Y          |
| XE |              |   |                         |                  |            |            |
| XH |              |   |                         |                  |            |            |
| XL |              |   |                         |                  |            |            |

| <b>Aerospace Engineering (Unmanned Aerial Systems Engineering)</b> |                          |          |
|--|--------------------------|----------|
|  | Aeromechanics and Design | Autonomy |
| AE   | Y                        | Y        |
| AG   |                          |          |
| AR   |                          |          |
| BM   |                          |          |
| BT   |                          |          |
| CE   | Y                        | Y        |
| CH   |                          |          |
| CS   |                          | Y        |
| CY   |                          |          |
| DA   |                          |          |
| EC   |                          | Y        |
| EE   |                          | Y        |
| ES   |                          |          |
| EY   |                          |          |
| GE   |                          |          |
| GG   |                          |          |
| IN   |                          | Y        |
| MA   | Y                        |          |
| ME   | Y                        | Y        |
| MN   |                          |          |
| MT   |                          |          |
| NM   | Y                        |          |
| PE   |                          |          |
| PH   | Y                        |          |
| PI   |                          |          |
| ST   |                          |          |
| TF   | Y                        |          |
| XE   | Y                        |          |
| XH   |                          |          |
| XL   |                          |          |

**Biological Sciences and Bioengineering**

|    | Biological Sciences and Bioengineering |
|----|--|
| AE |  |
| AG | Y                                      |
| AR | Y                                      |
| BM | Y                                      |
| BT | Y                                      |
| CE |  |
| CH | Y                                      |
| CS | Y                                      |
| CY | Y                                      |
| DA | Y                                      |
| EC | Y                                      |
| EE | Y                                      |
| ES | Y                                      |
| EY | Y                                      |
| GE |  |
| GG | Y                                      |
| IN | Y                                      |
| MA | Y                                      |
| ME | Y                                      |
| MN |  |
| MT | Y                                      |
| NM |  |
| PE |  |
| PH | Y                                      |
| PI | Y                                      |
| ST | Y                                      |
| TF |  |
| XE | Y                                      |
| XH |  |
| XL | Y                                      |

| <b>Civil Engineering</b> | Environmenta<br>l Engineering | Geo-Informatics | Geo-technical<br>Engineering | Hydraulics and Water<br>Resources Engineering | Infrastructure Engineering<br>and Management | Structural<br>Engineering | Transportatio<br>n Engineering |
|--------------------------|-------------------------------|-----------------|------------------------------|---|--|---------------------------|--------------------------------|
| AE                       |                               | Y               |                              |   |  |                           | Y                              |
| AG                       | Y                             | Y               |                              | Y   |  |                           |                                |
| AR                       |                               |                 |                              |   | Y  |                           |                                |
| BM                       |                               |                 |                              |   |  |                           |                                |
| BT                       |                               |                 |                              |   |  |                           |                                |
| CE                       | Y                             | Y               | Y                            | Y   | Y  | Y                         | Y                              |
| CH                       | Y                             |                 |                              |   |  |                           |                                |
| CS                       |                               | Y               |                              |   |  |                           |                                |
| CY                       |                               |                 |                              |   |  |                           |                                |
| DA                       |                               | Y               |                              | Y   |  |                           |                                |
| EC                       |                               | Y               |                              |   |  |                           |                                |
| EE                       |                               | Y               |                              |   |  |                           |                                |
| ES                       | Y                             | Y               |                              |   |  |                           |                                |
| EY                       |                               |                 |                              |   |  |                           |                                |
| GE                       |                               | Y               |                              |   | Y  |                           |                                |
| GG                       |                               | Y               |                              |   |  |                           |                                |
| IN                       |                               | Y               |                              |   |  |                           |                                |
| MA                       |                               | Y               |                              |   |  |                           |                                |
| ME                       | Y                             | Y               |                              |   |  |                           | Y                              |
| MN                       |                               | Y               |                              |   |  |                           |                                |
| MT                       |                               |                 |                              |   |  |                           |                                |
| NM                       |                               |                 |                              |   |  |                           |                                |
| PE                       |                               |                 |                              |   |  |                           |                                |
| PH                       |                               | Y               |                              |   |  |                           |                                |
| PI                       |                               |                 |                              |   |  |                           |                                |
| ST                       |                               | Y               |                              |   |  |                           |                                |
| TF                       |                               |                 |                              |   |  |                           |                                |
| XE                       |                               | Y               |                              |   |  |                           |                                |
| XH                       |                               |                 |                              |   |  |                           |                                |
| XL                       |                               |                 |                              |   |  |                           |                                |

**Cognitive Systems****Cognitive Systems**

|    |   |
|----|---|
| AE |   |
| AG |   |
| AR |   |
| BM | Y |
| BT | Y |
| CE |   |
| CH | Y |
| CS | Y |
| CY |   |
| DA | Y |
| EC | Y |
| EE | Y |
| ES |   |
| EY |   |
| GE |   |
| GG |   |
| IN |   |
| MA | Y |
| ME |   |
| MN |   |
| MT |   |
| NM |   |
| PE |   |
| PH | Y |
| PI |   |
| ST | Y |
| TF |   |
| XE |   |
| XH |   |
| XL | Y |

**Chemical Engineering**

## Chemical Engineering

|    |   |
|----|---|
| AE |   |
| AG |   |
| AR |   |
| BM |   |
| BT |   |
| CE |   |
| CH | Y |
| CS |   |
| CY |   |
| DA |   |
| EC |   |
| EE |   |
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| PE |   |
| PH |   |
| PI |   |
| ST |   |
| TF |   |
| XE |   |
| XH |   |
| XL |   |

**Computer Science and Engineering****Computer Science and Engineering**

|    |   |
|----|---|
| AE |   |
| AG |   |
| AR |   |
| BM |   |
| BT |   |
| CE |   |
| CH |   |
| CS | Y |
| CY |   |
| DA | Y |
| EC | Y |
| EE | Y |
| ES |   |
| EY |   |
| GE |   |
| GG |   |
| IN |   |
| MA | Y |
| ME |   |
| MN |   |
| MT |   |
| NM |   |
| PE |   |
| PH |   |
| PI |   |
| ST |   |
| TF |   |
| XE |   |
| XH |   |
| XL |   |



**Department of Management Sciences**

|    | Department of Management Sciences |
|----|-----------------------------------|
| AE | Y                                 |
| AG | Y                                 |
| AR | Y                                 |
| BM | Y                                 |
| BT | Y                                 |
| CE | Y                                 |
| CH | Y                                 |
| CS | Y                                 |
| CY | Y                                 |
| DA | Y                                 |
| EC | Y                                 |
| EE | Y                                 |
| ES | Y                                 |
| EY | Y                                 |
| GE | Y                                 |
| GG | Y                                 |
| IN | Y                                 |
| MA | Y                                 |
| ME | Y                                 |
| MN | Y                                 |
| MT | Y                                 |
| NM | Y                                 |
| PE | Y                                 |
| PH | Y                                 |
| PI | Y                                 |
| ST | Y                                 |
| TF | Y                                 |
| XE | Y                                 |
| XH | Y                                 |
| XL | Y                                 |

| <b>Electrical Engineering</b> | Control and Automation | Microelectronics and VLSI | Photonics | Power Engineering | RF And Microwaves | Signal Processing, Communications & N/ Ws |
|-------------------------------|------------------------|---------------------------|-----------|-------------------|-------------------|---|
| AE                            |                        |                           |           |                   |                   |   |
| AG                            |                        |                           |           |                   |                   |   |
| AR                            |                        |                           |           |                   |                   |   |
| BM                            |                        |                           |           |                   |                   |   |
| BT                            |                        |                           |           |                   |                   |   |
| CE                            |                        |                           |           |                   |                   |   |
| CH                            |                        |                           |           |                   |                   |   |
| CS                            |                        |                           |           |                   |                   |   |
| CY                            |                        |                           |           |                   |                   |   |
| DA                            |                        |                           |           |                   |                   | Y   |
| EC                            | Y                      | Y                         | Y         |                   | Y                 | Y   |
| EE                            | Y                      |                           |           | Y                 |                   |   |
| ES                            |                        |                           |           |                   |                   |   |
| EY                            |                        |                           |           |                   |                   |   |
| GE                            |                        |                           |           |                   |                   |   |
| GG                            |                        |                           |           |                   |                   |   |
| IN                            | Y                      |                           |           |                   |                   |   |
| MA                            |                        |                           |           |                   |                   |   |
| ME                            |                        |                           |           |                   |                   |   |
| MN                            |                        |                           |           |                   |                   |   |
| MT                            |                        |                           |           |                   |                   |   |
| NM                            |                        |                           |           |                   |                   |   |
| PE                            |                        |                           |           |                   |                   |   |
| PH                            |                        |                           | Y         |                   |                   |   |
| PI                            |                        |                           |           |                   |                   |   |
| ST                            |                        |                           |           |                   |                   |   |
| TF                            |                        |                           |           |                   |                   |   |
| XE                            |                        |                           |           |                   |                   |   |
| XH                            |                        |                           |           |                   |                   |   |
| XL                            |                        |                           |           |                   |                   |   |

**Earth Sciences****Earth Sciences**

|    |          |
|----|----------|
| AE |          |
| AG |          |
| AR |          |
| BM |          |
| BT |          |
| CE | <b>Y</b> |
| CH |          |
| CS |          |
| CY | <b>Y</b> |
| DA |          |
| EC |          |
| EE |          |
| ES | <b>Y</b> |
| EY |          |
| GE |          |
| GG | <b>Y</b> |
| IN |          |
| MA |          |
| ME |          |
| MN |          |
| MT |          |
| NM |          |
| PE | <b>Y</b> |
| PH | <b>Y</b> |
| PI |          |
| ST |          |
| TF |          |
| XE |          |
| XH |          |
| XL |          |
|    |          |

| <b>Mechanical Engineering</b> | Fluid and Thermal Sciences | Manufacturing Sciences | Robotics and Automation | Solid Mechanics and Design |
|-------------------------------|----------------------------|------------------------|-------------------------|----------------------------|
| AE                            | Y                          | Y                      | Y                       | Y                          |
| AG                            |                            |                        |                         |                            |
| AR                            |                            |                        |                         |                            |
| BM                            |                            |                        |                         |                            |
| BT                            |                            |                        |                         |                            |
| CE                            |                            |                        |                         | Y                          |
| CH                            | Y                          | Y                      |                         | Y                          |
| CS                            |                            |                        | Y                       |                            |
| CY                            |                            |                        |                         |                            |
| DA                            |                            |                        |                         |                            |
| EC                            |                            |                        | Y                       |                            |
| EE                            |                            |                        |                         |                            |
| ES                            |                            |                        |                         |                            |
| EY                            |                            |                        |                         |                            |
| GE                            |                            |                        |                         |                            |
| GG                            |                            |                        |                         |                            |
| IN                            |                            |                        | Y                       |                            |
| MA                            |                            |                        |                         |                            |
| ME                            | Y                          | Y                      | Y                       | Y                          |
| MN                            |                            |                        |                         |                            |
| MT                            |                            | Y                      |                         | Y                          |
| NM                            |                            |                        |                         |                            |
| PE                            |                            |                        |                         |                            |
| PH                            |                            |                        |                         |                            |
| PI                            |                            | Y                      |                         |                            |
| ST                            |                            |                        |                         |                            |
| TF                            |                            |                        |                         |                            |
| XE                            |                            |                        |                         |                            |
| XH                            |                            |                        |                         |                            |
| XL                            |                            |                        |                         |                            |

## Materials Science and Engineering

### Materials Science and Engineering

|    |   |
|----|---|
| AE |   |
| AG |   |
| AR |   |
| BM |   |
| BT |   |
| CE |   |
| CH |   |
| CS |   |
| CY | Y |
| DA |   |
| EC |   |
| EE |   |
| ES |   |
| EY |   |
| GE |   |
| GG |   |
| IN |   |
| MA |   |
| ME |   |
| MN |   |
| MT | Y |
| NM |   |
| PE |   |
| PH | Y |
| PI |   |
| ST |   |
| TF |   |
| XE | Y |
| XH |   |
| XL |   |

**Materials Science Programme****Materials Science Programme**

|    |   |
|----|---|
| AE | Y |
| AG |   |
| AR |   |
| BM |   |
| BT | Y |
| CE |   |
| CH | Y |
| CS |   |
| CY | Y |
| DA |   |
| EC | Y |
| EE | Y |
| ES | Y |
| EY |   |
| GE |   |
| GG |   |
| IN | Y |
| MA |   |
| ME | Y |
| MN |   |
| MT | Y |
| NM |   |
| PE |   |
| PH | Y |
| PI | Y |
| ST |   |
| TF |   |
| XE | Y |
| XH |   |
| XL |   |

**Photonics Science and Engineering** Photonics Science and Engineering

|    |   |
|----|---|
| AE | Y |
| AG | Y |
| AR | Y |
| BM | Y |
| BT | Y |
| CE | Y |
| CH | Y |
| CS | Y |
| CY | Y |
| DA |   |
| EC | Y |
| EE | Y |
| ES | Y |
| EY | Y |
| GE | Y |
| GG | Y |
| IN | Y |
| MA | Y |
| ME | Y |
| MN | Y |
| MT | Y |
| NM | Y |
| PE | Y |
| PH | Y |
| PI | Y |
| ST | Y |
| TF | Y |
| XE | Y |
| XH | Y |
| XL | Y |

## Sustainable Energy Engineering

|    | Sustainable Energy Engineering |
|----|--------------------------------|
| AE | Y                              |
| AG |                                |
| AR |                                |
| BM |                                |
| BT |                                |
| CE | Y                              |
| CH | Y                              |
| CS |                                |
| CY | Y                              |
| DA |                                |
| EC | Y                              |
| EE | Y                              |
| ES | Y                              |
| EY |                                |
| GE |                                |
| GG | Y                              |
| IN | Y                              |
| MA | Y                              |
| ME | Y                              |
| MN |                                |
| MT | Y                              |
| NM | Y                              |
| PE | Y                              |
| PH | Y                              |
| PI | Y                              |
| ST |                                |
| TF |                                |
| XE | Y                              |
| XH | Y                              |
| XL |                                |



**Space, Planetary & Astronomical Sciences & Engineering**

|    | Space, Planetary & Astronomical Sciences & Engineering |
|----|--|
| AE | Y  |
| AG |  |
| AR |  |
| BM |  |
| BT |  |
| CE | Y  |
| CH | Y  |
| CS | Y  |
| CY |  |
| DA | Y  |
| EC | Y  |
| EE | Y  |
| ES |  |
| EY |  |
| GE | Y  |
| GG | Y  |
| IN | Y  |
| MA | Y  |
| ME | Y  |
| MN |  |
| MT |  |
| NM |  |
| PE |  |
| PH | Y  |
| PI |  |
| ST | Y  |
| TF |  |
| XE | <b>Y</b> (papers BCDEH)                                |
| XH |  |
| XL | <b>Y</b> (papers Q S)                                  |