

## 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 |              |   |                         |                  |            |            |

## Aerospace Engineering (Unmanned Aerial Systems Engineering)

|    | 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                                      |

**Biological Sciences and Bioengineering (Biomedical Engineering)**

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

## Civil Engineering

|    | Environmental Engineering | Geoinformatics | Geotechnical Engineering | Hydraulics and Water Resources Engineering | Infrastructure Engineering and Management | Structural Engineering | Transportation Engineering |
|----|---------------------------|----------------|--------------------------|--|---|------------------------|----------------------------|
| AE |                           | Y              |                          |  |   |                        | Y                          |
| AG | Y                         | Y              |                          | Y  |   |                        |                            |
| AR |                           |                |                          |  | Y   |                        |                            |
| BM |                           |                |                          |  |   |                        |                            |
| BT |                           |                |                          |  |   |                        |                            |
| CE | Y                         | Y              | Y                        | Y  | Y   | Y                      | Y                          |
| CH | Y                         |                |                          | Y  |   |                        |                            |
| CS |                           | Y              |                          |  |   |                        |                            |
| CY |                           |                |                          |  |   |                        |                            |
| DA |                           | Y              |                          | Y  |   |                        |                            |
| EC |                           | Y              |                          |  |   |                        |                            |
| EE |                           | Y              |                          |  |   |                        |                            |
| ES | Y                         | Y              |                          |  |   |                        |                            |
| EY |                           |                |                          |  |   |                        |                            |
| GE |                           | Y              |                          |  |   |                        |                            |
| GG |                           | Y              |                          |  |   |                        |                            |
| IN |                           | Y              |                          |  |   |                        |                            |
| MA |                           | Y              |                          |  |   |                        |                            |
| ME | Y                         | 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 | Y                 |
| XL | Y                 |

## **Chemical Engineering**

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

## **Computer Science Engineering**

|    |                              |
|----|------------------------------|
|    | Computer Science 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                                 |

## Electrical Engineering

|    | Control and Automation | Microelectronics and VLSI | Optoelectronics and Optical Communication | Power Engineerin | 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 |                        |                           |   |                  |                   |   |

## Kotak School of Sustainability (Artificial Intelligence for Sustainability)

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

## **Earth Sciences**

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

## Mechanical Engineering

|    | 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 |                            |                        |                         |                            |

## **Material Science Engineering**

|    |                              |
|----|------------------------------|
|    | Material Science 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 (paper C only)             |
| XH |                              |
| XL |                              |

### **Material Science Programme**

|    | Material 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 | Y                              |
| CY | Y                              |
| DA | Y                              |
| EC | Y                              |
| EE | Y                              |
| ES | Y                              |
| EY |                                |
| GE |                                |
| GG | Y                              |
| IN | Y                              |
| MA | Y                              |
| ME | Y                              |
| MN |                                |
| MT | Y                              |
| NM |                                |
| PE | Y                              |
| PH | Y                              |
| PI | Y                              |
| ST |                                |
| TF |                                |
| XE | Y                              |
| XH |                                |
| 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 |  |
| GG |  |
| IN | Y  |
| MA | Y  |
| ME | Y  |
| MN |  |
| MT | Y  |
| NM |  |
| PE |  |
| PH | Y  |
| PI |  |
| ST | Y  |
| TF |  |
| XE | Y (papers BCDEH)                                       |
| XH |  |
| XL |  |

| List of Mtech paper codes |            |   |
|---------------------------|------------|---|
| S.no                      | Paper code | Paper name                                  |
| 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      |
| 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                               |

|                |  |
|----------------|--|
| <b>AE</b>      | <b>Aerospace Engineering</b>   |
| <b>AE_UAS</b>  | <b>Aerospace Engineering (Unmanned Aerial Systems Engineering)</b>                 |
| <b>BSBE</b>    | <b>Biological Sciences and Bioengineering</b>                                      |
| <b>BSBE_BM</b> | <b>Biological Sciences and Bioengineering (Biomedical Engineering)</b>             |
| <b>CE</b>      | <b>Civil Engineering</b>   |
| <b>CGS</b>     | <b>Cognitive Systems</b>   |
| <b>CHE</b>     | <b>Chemical Engineering</b>  |
| <b>CSE</b>     | <b>Computer Science and Engineering</b>  |
| <b>CSE_CY</b>  | <b>Computer Science and Engineering (Cybersecurity )</b>                           |
| <b>EE</b>      | <b>Electrical Engineering</b>  |
| <b>ES</b>      | <b>Earth Sciences</b>  |
| <b>KAIS</b>    | <b>Kotak School of Sustainability (Artificial Intelligence for Sustainability)</b> |
| <b>DoMS</b>    | <b>Department of Management Sciences</b>   |
| <b>ME</b>      | <b>Mechanical Engineering</b>  |
| <b>MSE</b>     | <b>Materials Science and Engineering</b>   |
| <b>MSP</b>     | <b>Materials Science Programme</b>   |
| <b>PSE</b>     | <b>Photonics Science and Engineering</b>   |
| <b>SEE</b>     | <b>Sustainable Energy Engineering</b>  |
| <b>SPASE</b>   | <b>Space, Planetary &amp; Astronomical Sciences &amp; Engineering</b>              |