***CRITERION FOR AFFILIATION***

1. ***LAND & BUILDING***

|  |  |
| --- | --- |
|  | *For Polytechnic Institute --- Minimum Total Area should be 1 (One Kanals)* |
|  | *For Commercial Institute --- Minimum Total Area should be 10 (10 Marlas)* |

1. ***COVERD AREA***

|  |  |
| --- | --- |
|  | *According to applied number of technologies and strength of students.* |

|  |  |
| --- | --- |
| *a* | *For Theory 9 sq. ft per student.* |
| *b* | *For Practical 15 sq. ft per student.* |

***CALCULATION FOR 25 STUDENTS EACH GROUP***

***For One Technology Available For Additional Technology***

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Description* | *Required* | |  | *Available* | | *St.* |  | *Required* | | *Students* |
| *No.* | *Area* | *No.* | *Area* |  | *No.* | *Area* |
| *Class Room* | *1* | *9\*25=225* |  |  |  |  | *1* | *9\*25=225* |  |
| *Library* | *1* | *15\*15 = 225* |  |  |  |  | *1/2* | *7\*15 = 105* |  |
| *Principal Office* | *1* | *12\*12 = 144* |  |  |  |  | *-----* | *-----* |  |
| *Staff Room* | *1* | *12\*12 = 144* |  |  |  |  | *-----* | *-----* |  |
| *Wash Room* | *3* | *25 St.* |  |  |  |  | *1* | *-----* |  |
| *T O T A L* | *7* | *738 sq. ft.* |  |  |  |  | *2½* | *330 sq. ft.* |  |

*COMMON LABS*

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Description* | *Required* | |  | *Available* | | *St.* |  | *Required* | | *Students* |
| *No.* | *Area* | *No.* | *Area* |  | *No.* | *Area* |
| *Physics Lab* | *1* | *15\*25= 375* |  |  |  |  | *1* | *15\*25= 375* |  |
| *Chemistry Lab* | *1* | *15\*25= 375* |  |  |  |  | *1* | *15\*25= 375* |  |
| *Drawing / Drafting Lab* | *1* | *15\*25= 375* |  |  |  |  | *-----* | *-----* |  |
| *Computer Lab* | *1* | *15\*25= 375* |  |  |  |  | *1* | *15\*25= 375* |  |
| *Comprehensive Lab (wood/welding/material workshop)* | *1* | *15\*25= 375* |  |  |  |  | *1* | *15\*25= 375* |  |
| *T O T A L* | *5* | *1875 sq. ft.* |  |  |  |  | *4* | *1500 sq. ft.* |  |

*COURSE LAB FOR ARCHITECTURE*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Description* | *Required* | |  | *Available* | | *Students* |
| *No.* | *Area* |  | *No.* | *Area* |
| *Serving Lab/store* | *1* | *15\*25= 375* |  |  |  |  |
| *Construction Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Computer Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Structural Mechanic / RCC Design* | *1* | *15\*25= 375* |  |  |  |  |
| *Building Material & Construction/Display room* | *1* | *15\*25= 375* |  |  |  |  |
| *T O T A L* | *5* | *1875 sq.ft* |  |  |  |  |

*COURSE LAB FOR AUTO & DIESEL*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Description* | *Required* | |  | *Available* | | *Students* |
| *No.* | *Area* |  | *No.* | *Area* |
| *Auto & Diesel Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Servicing Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Metallurgy & Heat Treatment* | *1* | *15\*25= 375* |  |  |  |  |
| *T O T A L* | *3* | *1125 sq.ft* |  |  |  |  |

*COURSE LAB FOR AUTO & FARM*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Description* | *Required* | |  | *Available* | | *Students* |
| *No.* | *Area* |  | *No.* | *Area* |
| *Auto & Farm Lab 1* | *1* | *15\*25= 375* |  |  |  |  |
| *Auto & Farm Lab 2* | *1* | *15\*25= 375* |  |  |  |  |
| *Agriculture Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Machinery Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Service Station* | *1* | *15\*25= 375* |  |  |  |  |
| *T O T A L* | *5* | *1875 sq.ft* |  |  |  |  |

*COURSE LAB FOR AUTOMATION*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Description* | *Required* | |  | *Available* | | *Students* |
| *No.* | *Area* |  | *No.* | *Area* |
| *Digital Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Control Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *T O T A L* | *2* | *750 sq.ft* |  |  |  |  |

*COURSE LAB FOR CIVIL:*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Description* | *Required* | |  | *Available* | | *Students* |
| *No.* | *Area* |  | *No.* | *Area* |
| *Survey Store* | *1* | *15\*25= 375* |  |  |  |  |
| *Construction yard/Public Health* | *1* | *15\*25= 375* |  |  |  |  |
| *Hydraulic Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Soil Mechanics/highways/concrete Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *T O T A L* | *4* | *1500 sq.ft* |  |  |  |  |

*COURSE LAB FOR COMPUTER:*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Description* | *Required* | |  | *Available* | | *Students* |
| *No.* | *Area* |  | *No.* | *Area* |
| *Basic Electronics Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Networking & Hardware Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *T O T A L* | *2* | *750 sq.ft* |  |  |  |  |

*COURSE LAB FOR CHEMICAL:*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Description* | *Required* | |  | *Available* | | *Students* |
| *No.* | *Area* |  | *No.* | *Area* |
| *Analytical/Qualitive Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Organic/Physics/Chemistry Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Chemical Engineering Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Chemical Processing Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Technology Practice/ Basic Chemical / Engr. Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Technology Practical Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Basic Chemical Engineering Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *T O T A L* | *7* | *2625 sq.ft* |  |  |  |  |

*COURSE LAB FOR C.I.T:*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Description* | *Required* | |  | *Available* | | *Students* |
| *No.* | *Area* |  | *No.* | *Area* |
| *Hardware Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Software Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *T O T A L* | *2* | *750 sq.ft* |  |  |  |  |

*COURSE LAB FOR ELECTRICAL:*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Description* | *Required* | |  | *Available* | | *Students* |
| *No.* | *Area* |  | *No.* | *Area* |
| *Basic Electricity/wiring Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Power Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Instrument Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *T O T A L* | *3* | *1125 sq.ft* |  |  |  |  |

*COURSE LAB FOR ELECTRONICS:*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Description* | *Required* | |  | *Available* | | *Students* |
| *No.* | *Area* |  | *No.* | *Area* |
| *Basic Electronics Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Communication / Advance Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Television Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *T O T A L* | *3* | *1125 sq.ft* |  |  |  |  |

*COURSE LAB FOR FOUNDRY & PATTERN:*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Description* | *Required* | |  | *Available* | | *Students* |
| *No.* | *Area* |  | *No.* | *Area* |
| *Heat Treatment Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Metallurgy Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Foundry Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Bench work Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *T O T A L* | *4* | *1500 sq.ft* |  |  |  |  |

*COURSE LAB FOR MECHANICAL:*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Description* | *Required* | |  | *Available* | | *Students* |
| *No.* | *Area* |  | *No.* | *Area* |
| *CNC Shop* | *1* | *15\*25= 375* |  |  |  |  |
| *Machine Shop* | *1* | *15\*25= 375* |  |  |  |  |
| *Material Testing Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Foundry Shop* | *1* | *15\*25= 375* |  |  |  |  |
| *Heat Engine Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Metallurgy Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Hydraulic Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *T O T A L* | *7* | *2625 sq.ft* |  |  |  |  |

*COURSE LAB FOR PETROLEUM:*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Description* | *Required* | |  | *Available* | | *Students* |
| *No.* | *Area* |  | *No.* | *Area* |
| *Geological Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Drilling Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Instrumentation Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Processing Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Fuel Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *T O T A L* | *5* | *1875 sq.ft* |  |  |  |  |

*COURSE LAB FOR R.A.C:*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Description* | *Required* | |  | *Available* | | *Students* |
| *No.* | *Area* |  | *No.* | *Area* |
| *R.A.C Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Basic R.A.C. Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Advance Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Cutting Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *T O T A L* | *4* | *1500 sq.ft* |  |  |  |  |

*COURSE LAB FOR TELECOMMUNICATION:*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Description* | *Required* | |  | *Available* | | *Students* |
| *No.* | *Area* |  | *No.* | *Area* |
| *Basic Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Advance Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Telecom Basic Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Telecomm Advance Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *T O T A L* | *4* | *1500 sq.ft* |  |  |  |  |

*COURSE LAB FOR INSTRUMENT:*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Description* | *Required* | |  | *Available* | | *Students* |
| *No.* | *Area* |  | *No.* | *Area* |
| *Processing Instrumentation Control Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *Electronics Lab* | *1* | *15\*25= 375* |  |  |  |  |
| *T O T A L* | *2* | *750 sq.ft* |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Description* | *Required* | |  | *Available* | |
| *Covered* | *Open* |  | *Covered* | *Open* |
| *TOTAL AREA* |  |  |  |  |  |
| *Grand Total (Sq. Ft.)* |  | |  |  | |