



Central workshop
INDIAN INSTITUTE OF TECHNOLOGY MADRAS
CHENNAI 600 036 • INDIA

CWS/IITM/FOR/02

Workshop Training to 2022 B. Tech/Dual Degree students

Central Workshop offers WS1301, WS1302 and WS1303 (Only to ED students) courses to B. Tech/Dual Degree students of IIT Madras. Course wise training modules and number of classes are given in below table.

| Sl. No. | Module | No. of classes (2.5 hours/class) | Remarks |
|--|---------------------------------|---|--|
| WS1301 (for all students) | | | |
| 1 | Power Tools | 3 | These modules are related to basic Manufacturing |
| 2 | Machining process: Turning | 3 | |
| 3 | Machining Process: Milling | 3 | |
| 4 | Foundry & Smithy | 3 | |
| 5 | Welding | 3 | |
| 6 | FRP & Plastics | 3 | |
| WS1302 (for all students except ED) | | | |
| 7 | Electrical | 3 | These modules are related to Control system |
| 8 | Electronics | 4 | |
| 9 | Pneumatics & Hydraulics | 3 | |
| 10 | Instrumentation & Communication | 3 | |
| WS1303 (Only to ED students) | | | |
| 11 | Electrical | 3 | These modules are related to Control system |
| 12 | Pneumatics & Hydraulics | 3 | |
| 13 | Instrumentation & Communication | 3 | |

Note:

All 2022 B. Tech/Dual Degree students are divided into 10 batches from A to J and each batch is divided into sub batches keeping a maximum strength of approximately 30 students.

In above courses and modules, A to E batch students will undergo training modules Sl. No. 1 to 5 in session 1 which will start from 12.12.2022.

In above courses and modules, F to J batch students (other than ED students) will undergo training modules Sl. No. 6 to 10 in session 1 which will start from 12.12.2022.

ED students (I2, I3, I4 sub batches) will undergo modules Sl. No. 11 to 13.



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2022 batch students Roll nos. and sub batches of A, B, C, D and E batches

| Batch | Sub-Batch | Roll nos. | No. of students |
|----------|-----------|--|-----------------|
| A | A1 | CE22B085 to CE22B104 ME22B001 to ME22B011 | 31 |
| | A2 | ME22B012 to ME22B037 ME22B122 to ME22B127 | 31 |
| | A3 | ME22B128 to ME22B158 | 31 |
| | A4 | ME22B159 to ME22B190 | 32 |
| | A5 | ME22B191 to ME22B222 | 32 |
| B | B1 | BE22B001 to BE22B023 | 23 |
| | B2 | BE22B024 to BE22B047 | 24 |
| | B3 | CE22B065 to CE22B084 | 20 |
| | B4 | CE22B105 to CE22B129 | 25 |
| C | C1 | NA22B001 to NA22B020 | 20 |
| | C2 | NA22B021 to NA22B040 | 20 |
| | C3 | NA22B041 to NA22B061 | 21 |
| | C4 | NA22B062 to NA22B082 | 21 |
| D | D1 | CE22B001 to CE22B029 | 29 |
| | D2 | CE22B030 to CE22B058 | 29 |
| | D3 | CE22B059 to CE22B064 ME22B038 to ME22B061 | 30 |
| | D4 | ME22B062 to ME22B091 | 30 |
| | D5 | ME22B092 to ME22B121 | 30 |
| E | E1 | AE22B001 to AE22B025 | 24 |
| | E2 | AE22B026 to AE22B050 | 25 |
| | E3 | AE22B051 to AE22B065 AE22B101 to AE22B110 | 25 |



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Workshop Session I for 1st year 2022 Batch

Course 1 Time table, **from 12th December 2022 to 17th February 2023**, Batches A, B, C, D and E

| Date | Day | Slot wise Training Modules and Batches | | | | |
|------------|-----------|--|---------|---------|------------------|---------|
| | | 2.15 pm – 4.45 pm | | | | |
| | | Power Tools | Turning | Milling | Foundry & Smithy | Welding |
| 12.12.2022 | Monday | A1 | A2 | A3 | A4 | A5 |
| 13.12.2022 | Tuesday | B1 | B2 | B3 | B4 | |
| 14.12.2022 | Wednesday | C1 | C2 | C3 | C4 | |
| 15.12.2022 | Thursday | D1 | D2 | D3 | D4 | D5 |
| 16.12.2022 | Friday | E1 | E2 | E3 | | |
| 19.12.2022 | Monday | A1 | A2 | A3 | A4 | A5 |
| 20.12.2022 | Tuesday | B1 | B2 | B3 | B4 | |
| 21.12.2022 | Wednesday | C1 | C2 | C3 | C4 | |
| 22.12.2022 | Thursday | D1 | D2 | D3 | D4 | D5 |
| 23.12.2022 | Friday | E1 | E2 | E3 | | |
| 26.12.2022 | Monday | A1 | A2 | A3 | A4 | A5 |
| 27.12.2022 | Tuesday | B1 | B2 | B3 | B4 | |
| 28.12.2022 | Wednesday | C1 | C2 | C3 | C4 | |
| 29.12.2022 | Thursday | D1 | D2 | D3 | D4 | D5 |
| 30.12.2022 | Friday | E1 | E2 | E3 | | |



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| Date | Day | Slot wise Training Modules and Batches | | | | |
|------------|-----------|--|---------|---------|------------------|---------|
| | | 2.15 pm – 4.45 pm | | | | |
| | | Power Tools | Turning | Milling | Foundry & Smithy | Welding |
| 18.01.2023 | Wednesday | | C1 | C2 | C3 | C4 |
| 19.01.2023 | Thursday | D5 | D1 | D2 | D3 | D4 |
| 20.01.2023 | Friday | | E1 | E2 | E3 | |
| 23.01.2023 | Monday | A5 | A1 | A2 | A3 | A4 |
| 24.01.2023 | Tuesday | | B1 | B2 | B3 | B4 |
| 25.01.2023 | Wednesday | | C1 | C2 | C3 | C4 |
| 27.01.2023 | Friday | | E1 | E2 | E3 | |
| 30.01.2023 | Monday | A5 | A1 | A2 | A3 | A4 |
| 31.01.2023 | Tuesday | | B1 | B2 | B3 | B4 |

Technical Officer

Senior Technical Officer

Professor in-charge



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| Date | Day | Slot wise Training Modules and Batches | | | | | | | | | |
|------------|-----------|--|---------|---------|------------------|---------|-------------------|---------|---------|------------------|---------|
| | | 2.15 pm – 4.45 pm | | | | | 4.45 pm – 7.15 pm | | | | |
| | | Power Tools | Turning | Milling | Foundry & Smithy | Welding | Power Tools | Turning | Milling | Foundry & Smithy | Welding |
| 01.02.2023 | Wednesday | | C1 | C2 | C3 | C4 | D5 | D1 | D2 | D3 | D4 |
| 02.02.2023 | Thursday | D5 | D1 | D2 | D3 | D4 | | | | | |
| 03.02.2023 | Friday | | E1 | E2 | E3 | | D4 | D5 | D1 | D2 | D3 |
| 06.02.2023 | Monday | A5 | A1 | A2 | A3 | A4 | | | | | |
| 07.02.2023 | Tuesday | | B1 | B2 | B3 | B4 | A4 | | A1 | A2 | B3 |
| 08.02.2023 | Wednesday | C4 | | C1 | C2 | C3 | B4 | | B1 | B2 | A3 |
| 09.02.2023 | Thursday | D4 | D5 | D1 | D2 | D3 | | | | | |
| 10.02.2023 | Friday | | | E1 | E2 | E3 | | A5 | A1 | A2 | A3 |
| 13.02.2023 | Monday | A4 | A5 | A1 | A2 | A3 | | | | | |
| 14.02.2023 | Tuesday | B4 | | B1 | B2 | B3 | A4 | A5 | B1 | B2 | B3 |
| 15.02.2023 | Wednesday | C4 | | C1 | C2 | C3 | C4 | | C1 | C2 | C3 |
| 16.02.2023 | Thursday | D4 | D5 | D1 | D2 | D3 | | | | | |
| 17.02.2023 | Friday | | | E1 | E2 | E3 | B4 | | E1 | E2 | E3 |

*Time table for remaining session will be communicated in February 2023



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2022 batch students Roll nos. and sub batches of F, G, H, I and J batches

| Batch | Sub-Batch | Roll nos. | No. of students |
|----------|-----------|--|-----------------|
| F | F1 | CS22B001 to CS22B026 | 26 |
| | F2 | CS22B027 to CS22B053 | 27 |
| | F3 | CS22B054 to CS22B080 | 27 |
| | F4 | CS22B081 to CS22B090 EP22B001 to EP22B017 | 27 |
| | F5 | EP22B018 to EP22B044 | 27 |
| G | G1 | CH22B019 to CH22B043 | 25 |
| | G2 | CH22B044 to CH22B068 | 25 |
| | G3 | CH22B069 to CH22B093 | 25 |
| | G4 | CH22B094 to CH22B119 | 26 |
| H | H1 | MM22B001 to MM22B023 | 23 |
| | H2 | MM22B024 to MM22B046 | 23 |
| | H3 | MM22B047 to MM22B070 | 24 |
| I | I1 | CH22B001 to CH22B018 | 18 |
| | I2 | ED22B001 to ED22B026 | 26 |
| | I3 | ED22B027 to ED22B052 | 26 |
| | I4 | ED22B053 to ED22B079 | 27 |
| J | J1 | EE22B001 to EE22B032 | 31 |
| | J2 | EE22B033 to EE22B063 | 31 |
| | J3 | EE22B064 to EE22B094 | 31 |
| | J4 | EE22B095 to EE22B125 | 31 |
| | J5 | EE22B126 to EE22B156 | 31 |



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Course 1 Time table, **from 12th December 2022 to 17th February 2023**, Batches F, G, H, I and J

| Date | Day | Slot wise Training Modules and Batches | | | | |
|------------|-----------|--|-------------|--------------------------|-------------------|------------------------|
| | | 2.15 pm – 4.45 pm | | | | |
| | | Electrical | Electronics | Pneumatics Hydraulics | FRP & Plastics | Instrument & Comm** |
| 12.12.2022 | Monday | F1 | F2 | F3 | F4 | F5 |
| 13.12.2022 | Tuesday | G1 | G2 | G3 | G4 | |
| 14.12.2022 | Wednesday | H1 | H2, F2 | H3 | | |
| 15.12.2022 | Thursday | I1 | G2 | I2 | I3 | I4 |
| 16.12.2022 | Friday | J1 | J2 | J3 | J4 | J5 |
| 19.12.2022 | Monday | F1 | F2 | F3 | F4 | F5 |
| 20.12.2022 | Tuesday | G1 | G2 | G3 | G4 | |
| 21.12.2022 | Wednesday | H1 | H2 | H3 | | |
| 22.12.2022 | Thursday | I1 | H2 | I2 | I3 | I4 |
| 23.12.2022 | Friday | J1 | J2 | J3 | J4 | J5 |
| 26.12.2022 | Monday | F1 | F2 | F3 | F4 | F5 |
| 27.12.2022 | Tuesday | G1 | G2 | G3 | G4 | |
| 28.12.2022 | Wednesday | H1 | H2 | H3 | | |
| 29.12.2022 | Thursday | I1 | J2 | I2 | I3 | I4 |
| 30.12.2022 | Friday | J1 | J2 | J3 | J4 | J5 |



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|------------|-----------|--|-------------|--------------------------|-------------------|------------------------|
| | | 2.15 pm – 4.45 pm | | | | |
| | | Electrical | Electronics | Pneumatics Hydraulics | FRP & Plastics | Instrument & Comm** |
| 18.01.2023 | Wednesday | | H1 | H2 | H3 | |
| 19.01.2023 | Thursday | I4 | I1, H1 | | I2 | I3 |
| 20.01.2023 | Friday | J5 | J1 | J2 | J3 | J4 |
| 23.01.2023 | Monday | F5 | F1 | F2 | F3 | F4 |
| 24.01.2023 | Tuesday | | G1 | G2 | G3 | G4 |
| 25.01.2023 | Wednesday | | H1 | H2 | H3 | |
| 27.01.2023 | Friday | J5 | J1 | J2 | J3 | J4 |
| 30.01.2023 | Monday | F5 | F1, I1 | F2 | F3 | F4 |
| 31.01.2023 | Tuesday | | G1 | G2 | G3 | G4 |



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|------------|-----------|--|-------------|--------------------------|-------------------|------------------------|-------------------|-------------|--------------------------|-------------------|------------------------|
| | | 2.15 pm – 4.45 pm | | | | | 4.45 pm – 7.15 pm | | | | |
| | | Electrical | Electronics | Pneumatics Hydraulics | FRP & Plastics | Instrument & Comm** | Electrical | Electronics | Pneumatics Hydraulics | FRP & Plastics | Instrument & Comm** |
| 01.02.2023 | Wednesday | | H1 | H2 | H3 | | | | J2 | J3 | |
| 02.02.2023 | Thursday | I4 | I1, G1 | H1 | I2 | I3 | | | | | |
| 03.02.2023 | Friday | J5 | J1, F5 | J2 | J3 | J4 | | | I4 | I2 | |
| 06.02.2023 | Monday | F5 | F1 | F2 | F3 | F4 | | | | | |
| 07.02.2023 | Tuesday | F4 | G1, F5 | G2 | G3 | G4 | | J1 | I4 | I2 | |
| 08.02.2023 | Wednesday | | F1 | H1 | H2 | H3 | G4 | I1 | G2 | G3 | |
| 09.02.2023 | Thursday | I4 | I1 | G1 | I2 | I3 | | | | | |
| 10.02.2023 | Friday | J4 | J5 | J1 | J2 | J3 | G4 | F1 | F2 | F3 | |
| 13.02.2023 | Monday | F4 | F5 | F1 | F2 | F3 | | | | | |
| 14.02.2023 | Tuesday | G4 | F5, J5 | G1 | G2 | G3 | I3 | I1 | H2 | H3 | |
| 15.02.2023 | Wednesday | J4 | J5 | H1 | H2 | H3 | I3 | F1 | F2 | F3 | |
| 16.02.2023 | Thursday | I3 | J1 | I1 | I4 | I2 | | | | | |
| 17.02.2023 | Friday | J4 | J5 | J1 | J2 | J3 | F4 | G1 | G2 | G3 | |

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