“MANDATORY DISCLOSURE”

# NAME OF THE INSTITUTION

Chhotu Ram Polytechnic Rohtak (Haryana) Phone No- 01262-285667, 274667

E-mail: crprohtak1956@ gmail.com Website: [www.crpolytechnic.org.in](http://www.crpolytechnic.org.in/)

# NAME & ADDRESS OF THE TRUST/SOCIETY/COMPANY & THE TRUSTEES

Jat Education Society (Regd.) Rohtak

C.R. Polytechnic Campus, Rohtak Haryana Phone No- 01262-273667

E-mail: jesrohtak1914@gmail.com

# NAME & ADDRESS OF THE PRINCIPAL

Sh. Jai Kanwar

Principal, C.R. Polytechnic, Rohtak Haryana

Phone No- 01262-285667, 274667 (O), 9992000191 (M),

E-mail: crprohtak1956@gamil.com

# NAME OF THE AFFILIATING BODY

Haryana State Board of Technical Education, Sector – 26, Panchkula

# GOVERNANCE

## Member of the Board and their brief background.

1.Sh.Gulab Singh Dimana W/President J.E.S (Regd.) cum Chairman, B.O.M., C.R. Polytechnic, Rohtak. Chairman

2 Additional Director (Aided), Member

Directorate of Technical Education Haryana

1. Principal, Govt. Polytechnic, Jhajjar
2. Dr. N.S Gill, Prof. in Computer Science, MDU, Rohtak, -do-
3. The General Manager, District Industries Centre, Rohtak -do-
4. The Regional Officer -do-

AICTE, North-West Reginoal Office

Plot No. 1A, 5th Floor, DTE (Punjab) Building Dakshin Marg Sector-36 A, Chandigarh

1. Sh. Surender Singh Sahnewal, -do-

M/S Sahnewal Auto Engineers pvt. Ltd.

1. Joint Director (Aided) -do-

Directorate of Technical Education Haryana Panchkula (Nominee of Director General, Tech-Edu.)

1. Accounts Officer -do-

Directorate of Technical Education Haryana Panchkula (Nominee of Finance Department)

1. Sh. Hanraj, Lect. in Electrical Engg. -do-

Chhotu Ram Polytechnic,Rohtak (Representative of Staff)

1. Principal, Chhotu Ram Polytechnic, Rohtak Member- Secretary

## Members of Academic Advisory Body

|  |  |
| --- | --- |
| Sh. Jai Kanwar |  |
| Principal, |  |
| Sh. Jai Kanwar | Sh. Dalbir Singh |
| HOD, Elex. & Comm. Engg. | I/C Civil Engg. |
| Sh. Parveen Kohar | Sh. Parveen Dahiya |
| HOD, Computer Engg. | I/C Elect. Engg. |
|  Sh. Ashok Deswal | Sh. Sonu Nandal |
|  HOD, Applied Sciences Sh. Rajiv Sharma, HOD Plastic Technology | I/C Mech. Engg.Sh. J.S.BooraW/S Supdt. |
|  |  |
|  |  |

* 1. **FREQUENCY OF THE BOARD MEETINGS AND ACADEMIC ADVISORY BOARD**

The meeting of the Board of Management is held three a year.

## ORGANIZATIONAL CHART & PROCESS



* 1. **NATURE AND EXTENT OF INVOLVEMENT OF FACULTY AND STUDENTS IN ACADEMIC AFFAIRS/ IMPROVEMENTS**

The faculty of the institute is involved in curriculum development, industry institute interaction, training & placement of the students and evolvement of different ways of improvement of academic activities in the institutes besides their regular curriculum duties and also involve themselves in extra curricular activities going on in the campus round the year.

## MECHANISM/ NORMS AND PROCEDURE FOR DEMOCRATIC/ GOOD GOVERNANCE.

The institute is strictly following the rules and regulations prescribed by the Directorate of Technical Education, Haryana as well as the Management. The powers are also distributed among all staff members by constituting various committees e.g. purchase, sports, cultural, grievance, discipline, fee concessions, examination, academic etc. 15-20 students are allocated to all teacher counselors who look into the grievances of the students and counsel them for their career advancements.

## STUDENTS FEEDBACK ON INSTITUTIONAL GOVERNANCE/ FACULTY PERFORMANCE

In every semester, feedback is taken from the students on the feedback Performa available in the polytechnic to have the feedback of every subject being taught by the teachers. The overall performances of the teachers are good.

## GRIEVANCE REDRESSAL MECHANISM FOR FACULTY, STAFF AND STUDENTS

The grievance committees for staff & students have been constituted to look into their grievances. In addition internal complaints Committee (ICC) on sexual harassment of women at works place have been constituted.

1. **FACULTY**
	1. **Branch wise list of faculty members**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Trade | Permanent | Visiting | Adjunct | Guest | Permanent Faculty: |
| Faculty | Faculty (for | Faculty/ | Faculty | Students Ratio |
| (including | Ext.Lectures) | Contract |  |  |
| App.Sc.) |  | Faculty |  |  |
| Civil Engg. | 02 | -- | -- | -- | 1:32 |
| Mechanical Engg. | 01 | -- | -- | -- |  1:110 |
| Elect. Engg. | 03 | -- | -- | -- | 1:35 |
| Elex. & Comm. Engg. | 06 | -- |  | -- | 1:11 |
| Computer Engg. | 04 | -- |  | -- | 1:28 |
| Plastic Tech. | 02 | -- |  | -- | 1:14 |
| App. Sci. | 06 | -- |  | -- | 1:41 |
|  | **Overall** | **1:30** |

* 1. **List of faculty members with qualification and experience up to July- 2024**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Name of Faculty** | **Designation** | **Qualification** | **Experience** | **Remarks** |
|  |
| 1 | Sh. Jai Kanwar  | Officiating Principal | M.Tech | 26 yrs. |  |
| 2 | Sh. Parveen Kohar | HOD-Comp. | B.E | 26 yrs. |  |
| 3 | Sh. Ashok Deswal | HOD-App. Sci. | M.Sc. (Phy). | 27 yrs. |  |
| 4 |  Sh. Rajiv Sharma | HOD.-Plastic Tech. | B.E Chem. + PGDCA Dip. In Plastic. | 25yrs. |  |
| 5 | Sh. S.S Kinha | Sr. lect.- Elex. & Comm. | Ph.D | 27 yrs. |  |
| 6 | Sh. Ravinder Rathee | Sr. lect.- Comp. | Ph.D | 27 yrs. |  |
| 7 | Dr. Neelam Malik | Sr. lect.- App. Sci. (Eng.) | Ph.D | 27 yrs. |  |
| 8 | Sh. Dalbir Singh | Lecturer- Civil | B.E | 25 yrs. |  |
| 9 | Sh. Ravi Nandal | Lecturer –Civil | B.Tech. | 11 yrs. |  |
| 10 | Sh. Sonu | Lecturer- Mech | B.Tech. | 10 yrs. |  |
| 11 | Sh. Parveen Dahiya  | Lecturer-Elect. | BE | 26 yrs. |  |
| 12 | Sh. K.K Bisla | Lecturer- Elect. | B.E. | 26 yrs. |  |
| 13 | Sh. Hans Raj | Lecturer- Elect. | B.E | 23 yrs. |  |
| 14 | Sh. Sitender Kumar | Lecturer- Elex. & Comm. | Ph.D | 27 yrs. |  |
| 15 | Sh. Navinder Malik | Lecturer- Elex. & Comm | B.E | 26 yrs. |  |
| 16 | Sh. Alok Kumar | Lecturer- Elex. & Comm | M.E | 15 yrs. |  |
| 17 | Ms. Ashima Singh | Lecturer- Elex. & Comm | B.Tech. | 10 yrs. |  |
| 18 | Smt. Priyanka | Lecturer- Comp. | B.E | 24 yrs. |  |
| 19 | Ms. Ajeta Nandal | Lecturer- Comp. | M.Tech. | 11 yrs. |  |
| 20 | Dr. Keshak Babu | Lecturer- Plastic Tech. | Ph.D | 10 yrs. |  |
| 21 | Smt. Saveen | Lecturer in Mathematics | M.Sc | 26 yrs. | On deputation |
| 22 | Sh. Dinesh Chander | Lecturer in Physics | M.Sc. | 25 yrs. |  |
| 23 | Ms. Manisha Hooda | Lecturer in Chemistry | M.Sc. | 15 yrs. |  |
| 24 | Smt. Ijja | Lecturer in English | M.A | 11 yrs. |  |

**TEACHING SUPPORTING STAFF**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 25 | Sh.J.S Boora | Foreman Instructor | Equivalent to Degree in Mech.. | 24 yrs. |
| 26 | Sh. Raju Nandal | Foreman Instructor | ITI+CTI | 31 yrs. |
| 27 | Sh. Sandeep Kumar | Instrument Repairer | ITI | 28 yrs. |
| 28 | Sh. Vijay Pal | W/S Instructor | ITI | 29 yrs. |
| 29 | Sh. Yudhvir | W/S Instructor | ITI | 24 yrs. |
| 30 | Sh. Rajeev | W/S Instructor | ITI | 24 yrs. |
| 31 | Sh. Jai Bhagwan | W/S Instructor | ITI | 26 yrs. |
| 32 | Sh. Harvinder | W/S Instructor | Dip. in Mech. | 10 yrs. |
| 33 | Sh. Surender Singh | W/S Instructor | Dip. in Mech. |  10 yrs. |
| 34 | Sh. Avnish | W/S Instructor | Dip. inAutomobile |  10 yrs. |
| 35 | Sh. Ashok Kumar | W/S Instructor | Matric | 39yrs. |
| 36 | Sh. Shashi Kumar | W/S Instructor | 10+2 | 33 yrs. |
| 37 | Sh. Suresh ChanderNehra | W/S Instructor | M.Tech | 27 yrs. |
| 38 | Sh. Deepak Dahiya | W/S Instructor | Dip. in ECE | 23 yrs. |
| 39 |  Sh. Pardeep Kumar |  W/S Instructor |  BE |  26 yrs. |
| 40 | Sh. Suresh Kumar | W/S Instructor | BE | 24 yrs. |
| 41 | Sh. Saket Bhatnagar | W/S Instructor | Dip. in Elect. | 24 yrs. |
| 42 | Sh.Balraj Singh |  Draftsman | Dip. in Civil | 27 yrs. |
| 43 | Sh.Vikash Narwal. |  Lab.Instr | Dip. in Civil | 15 yrs 6m |
| 44 | Sh. Amarjeet Chhikara | Lab Instr | M.Tech | 12 yrs |
| 45 | Sh.Sandeep Kumar |  Lab.Instr. | Dip. in Elect. | 15 yrs 6m |
| 46 | Sh.Sudeep Kumar | Lab.Instr. | Dip. in Production | 15 yrs 6 m |
| 47 | Sh.Vivek Deswal, | Lab.Instr. | M.Tech. | 15 yrs 6 m |
| 48 | Sh.Aditya Bhatnagar | Lab. Instr | Dip. in Plastic | 15 yrs 6 m |
| 49 | Sh. Manoj Kumar | Lab Instr. | M.Tech. | 15 yrs 6 m |
| 50 | Sh. Rajesh | Lab Instr. | Dip. in ECE | 15 yrs 6 m |
| 51 | Smt. Keerti | Jr. Prog | MCA | 15 yrs 6 m |
| 52 | Sh. Dalvir Singh | Lab Instr. | M.Tech | 15 yrs 6 m |
| 53 | Smt. Poonam Kumari | Lab Instr. | M.Tech | 10 yrs |
| 54 | Smt. Rinku Rani | Lab.Instr. | B.Sc | 15 yrs 6 m |
| 55 | Smt. Seema Rani | Lab.Instr. | B.Sc | 15 yrs 6 m |
| 56 | Ms. Vijeta Nandal | Lab.Instr. | B.A Eng. Hons. | 11 yrs |

# PROFILE OF DIRECTOR/PRINCIPAL WITH QUALIFICATIONS, TOTAL EXPERIENCE,AGE AND DURATION OF EMPLOYMENT AT THE INSTITUTE CONCERNED.

|  |  |
| --- | --- |
| Name | **Sh. Jai Kanwar** |
| Date | of |  **02-11-1998** |
| Joining |  |
| Designation | **Principal** | Qualification & | Highest | Specialization | Total |
| Experience |  | Degree | Experience |
|  |  | M.Tech. |  |  |
| STD Code | 01262 | Phone (O) | 285667,274667 |  |
| E-mail | crprohtak1956@gmail.com  | Mobile Phone | 9992000191 |

1. **FEE**

## Details of fee, as approved by State Fee Committee:

**Fee Structure of the Institution**

1. **Govt.Aided Courses**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.** | **Category** | **Fixed by the** | **Being** | **Girls/TFW** |
| **No.** | **State** | **Fee** | **charged by the** |  |
|  | **Committee** | **Institution (Boys)** |  |
| 1 | **Admission Fee** |  |  |  |
| 2 | Tuition Fee |  | 1500 | NIL |
| 3 | University | fee |  | 600 | 600 |
| (Examination | fee, |
| Registration fee etc.) |
| 4 | Development Charges |  | 750 | 750 |
| 5 | Amalgamated Fund |  | 600 | 600 |
| 6 | C.R. Celebration | -- | 1000 | 1000 |
| 7 | Insurance |  |  50 | 50 |
| 8 |  College Security (Refundable) | -- |  1500 | 1500 |
| 9 | Processing Fees |  | 200 | 200 |
| 10 | Student Diary |  | 100 | 100 |
|  | **Total Fee** |  | 6300 | 4800 |

**b. Time schedule for payment of fee for the entire programme**.

The fee is charged semester-wise.

## c.No. of fee waivers granted with amount and names of students

NIL

## d.Numbers of scholarship offered by the institute, duration and the amount.

**Details of Various Scholarship governed by State govt. of Haryana**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Name of Scholarship** | **No. of student** | **Amount in Rs.** | **Duration** | **Remarks** |
|  |  | **Boys** | **Girls** | 2024-25 | - |
| **1** | PMS for SC students | 30 | 244400 | 25600 |
| **2** | PMS for BC students | 17 | 85000 | Nil | 2024-25 | - |
| **3** | Merit scholarship | 82 | 195000/- | 51000/- | 2024-25 | . |
| **4** | Disabled students | NIL | Nil | 2024-25 | - |
| **5** | Minority students | NIL | Nil | 2024-25 | - |
| **6** | Chhotu ram trust scholarship | NIL | Nil | 2024-25 |
| **7** | Gawar trust | 25 | 4000/student \*25= (Rs 100000) | 2024-25 |  |
| **8** | Pragati Scholarship | 1 | 50000/- | 2024-25 |  |

**b.Criteria for fee waivers/scholarship**.

Scholarships are granted to meritorious/SC/ST/BC/Poor students. Fee Concession is given to the poor/ fatherless students. A fee concession committee has been constituted who collects the applications and recommends the fee concession to the deserved students and accordingly fee is waived off.

# Admission

**2022-23**

|  |  |  |
| --- | --- | --- |
|  | Sancationed Intake | DET+DET(L)+ [DET+DET(L)SFS] |
| CIVIL ENGG. | 60 | 59+21 |
| COMPUTER ENGG. | 54 | 60+17 |
| ELECTRICAL ENGG. | 60 | 68+22 |
| ELEX.& COMM. ENGG. | 54 | 57+16 |
| MECHANICAL ENGG. | 60 | 62+24 |
| PLASTIC TECHNOLOGY | 54 | 48+09 |

**2023-24**

|  |  |  |
| --- | --- | --- |
|  | Sancationed Intake | DET+DET(L) |
| CIVIL ENGG. | 60 | 56+18 |
| COMPUTER ENGG. | 54 | 52+15 |
| ELECTRICAL ENGG. | 60 | 49+12 |
| ELEX.& COMM. ENGG. | 54 | 27+08 |
| MECHANICAL ENGG. | 60 | 52+18 |
| PLASTIC TECHNOLOGY | 54 | 06+02 |

**2024-25**

|  |  |  |
| --- | --- | --- |
|  | Sancationed Intake | DET+DET(L) |
| CIVIL ENGG. | 60 | 62+08 |
| COMPUTER ENGG. | 54 | 58+06 |
| ELECTRICAL ENGG. | 60 | 66+18 |
| ELEX.& COMM. ENGG. | 54 | 53+08 |
| MECHANICAL ENGG. | 60 | 67+15 |
| PLASTIC TECHNOLOGY | 54 | 12+02 |

#  ADMISSION PROCEDURE

## Mention the admission test being followed Test Qualified candidates separately [AIEEE/CET (Sate conducted test/University test Association conducted test)]

All the students are admitted through Centralized Online Counseling being conducted by Haryana State Technical Education Society(HSTES), Panchkula on the merit of percentage obtained in Qualifying examination i.e. Matric for first year & OLET for 2nd Year

# 12 CRITERIA AND WEIGHTAGES FOR ADMISSION

## Describe criteria with respective weightage i.e. Admission Test, marks in qualifying examination etc.

Admission is totally based on the merit of percentage obtained in Qualifying examination i.e. Matric for first year & 12th (Non-Med)/ITI for second year.

.

## Mention the minimum level of acceptance if any.

There is no minimum level of acceptance.

# INFRASTRUCTURE AND OTHER RESOURCES

## NUMBER & SIZE OF CLASS ROOMS, DRAWING HALL, LABS, TUTIORIAL ROOM, COMPUTER CENTRES:

|  |  |  |
| --- | --- | --- |
| Particulars | Number of rooms | Carpet area of each room |
|  | Requirement | Available in | Available in the institution |
| as per norms | the institution | (sq.m.) |
| Class Rooms | -- | 18 | 72 |
| Drawing Hall | -- | 04 | 158 |
| (\*) |
| Computer | -- | 01 | 100 |
| Centre (common |
| facility) |
| Library | -- | 01 | 300 |
| Laboratories, | -- | 41 | 92 |
| Software labs & |
| Workshops |
| Boys Hostel | -- | 01 | 637.09 |
| Girls Hostel | -- | 01 | 756.24 |

**Occupancy Certificate : Yes**

**Fire and Safety : Institute Applied for fire & safety**

## LIBRARY:

Number of Library books/Titles/Journals available

Total number of library books – 23317

Titles – 6284.90

National Journal – Unlimited (Online)

Online Journal – S.T.M. Journal

## LABORATORY DETAILS

**DEPARTMENT OF MECHANICAL ENGINEERING**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr.** | **Name of** | **Name of the** | **Area in** | **Major Equipments** |
| **No.** | **Department** | **Workshop** | **Sq. Mt.** |
| 1. |  | CNC M/C | 1000 Sq.Ft. | CNC Trainer Lathe and Milling machines with accessories,Computer |
| Shop CAD Lab |
| Systems of different configuration withAuto CAD |
| 2 | Machine Shop/Turning Shop /Grinding Shop | 4400 Sq Ft. | Milling Machines with accessories, |
| Shaping Machines, Radial DrillingMachine, Hobbing Machine, Honing Machine |
| Lathe Machines of different sizes withaccessories , Drilling Machine , Power HackshawSurface Grinder , Tool & Cutter Grinder , Pedestal Grinder , Centre less Grinding Machine , Cylindrical Grinding Machine |
|  | Welding Shop |  | Arc Welding Set, Spot Welding |
| 3 | 1000 Sq | Machine, Electric welding Machine , |
| . | TIG welding Machine, Gas Welding |
|  | Ft. | Generator, Butt Welding Machine, DC Welding Set, Bench Grinder |
| 4 | Fitting Shop | 1000Sq Ft. | Bench Vices, Files of different grades , |
| Hand Tools Bench Drill |
| Machine, Vernier Height Gauge, VernierCalliper, Power Hackshaw, Surface Plate, Micrometer |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| 5 |  | Carpentry Shop | 2400Sq Ft. | Wood Turning Lathe, Universal Planer, |
| Mechanical | Electric Cutter , Electric |
| Planer, Carpentry Vices, Bend Saw, Bench Grinder, Circular Saw |
| Engineering |
| Department |  |
| 6 | Foundry Shop | 1000 SqFt. | Foundry Hand Tools, Moulding &Patterns |
|  | Boxes of Wood & Metals, Melting |
|  | Furnace. |
| 7 |  | Paint Shop | 1000Sq Ft. | Air Compressor, Paint Gun, Paint |
|  | Brush, Emery Paper, Powder Coating System |
| 8 |  | Smithy Shop | 1000 SqFt. | Anvil, Hammer, Chisels , Forging |
|  | Furnace & Hand Tools, Power Hammer |
| 9 |  | Strength of Material Lab | 1000Sq Ft. | Torsion Testing Machine, Universal |
| Testing Machine, Impact Testing |
| . | Machine, Hardness Testing, Searle’s Apparatus Beam Def. Apparatus Spring Stiffness Tester |
| 10 |  |  | 1750 Sq.Ft. | Model of Master Cylinder, |
| Automobile Engineering | Model of Lubrication System, |
| Model of Ignition System, Model of |
| Lab. |
| Cooling System,Battery Cell Tester, Clutch Plate Model, braking System, Differential Model, Model Of Car, Gear Box Model, Steering System, Gear Box System |
| 11 |  | Ref. & Air | 1200 SqFt. | Refrigeration Test Rig, Model of Air Conditioner, Model Of Vapourcompression System |
| Conditioning Lab | Tube Bending Die, Spring |
|  | Bender, L.P.G Torch , H.P , L.P Cut Out, Overload Protector, Filter |
|  | Drier, Charging Line, Flaring &Swaging Tool, Experimental Water Cooler, Gauge Manifold |
| 12 |  | Applied Mechanics Lab. | 1000Sq Ft. | Inclined Plane Apparatus, Screw |
| Jack Apparatus, Worm & Worm |
| Wheel, Single Purchase Winch Crab, |
| Greaves and Apparatus, Jib Crane ,System Of Pulley, Simply Supported Beam |
|  |  |  | Pressure Gauge, Model Of |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 13 |  |  | 1750 SqFt. | Recriprocating Pump, Model of |
|  | Centrifugal Pump, U- Tube Double |
|  | Column Manometer, Differential |
|  | Manometer, Piezometer Tube, |
| Hyd. & Hyd. | Venturimeter Test Rig, Bernoulli`s |
| Machine | Theorem Apparatus, Francis Turbine Model, Kaplan Turbine Model, Pelton Wheel Model |
|  |  |  |  |  |
| 14 |  |  | 1750 Sq Ft.. | Model of Babcock & |
|  | Wilcox Boiler, , Model of |
|  | Lancashire Boiler, |
|  | Model of Two |
|  | Stroke Diesel, Model of Four Stroke |
| Thermodynami | Diesel , Model of Two Stroke Petrol |
| Engine, Model of Four Stroke |
| cs / Internal |
| Combustion | Petrol Engine , Single Cylinder 4 |
| Stroke Diesel Engine with Test Rig |
| Engine Lab. |
| with Electric Dynometer, Cut |
|  | section Diesel Engine Single |
|  | Cylinder, Scooter Engine, |
|  | Solex Carburetor, |
|  | Thermocouple, Thermometer, Morse Test Petrol Engine Test Rig, Cut Section Model Of Four Stroke Petrol Engine, Model Of Fuel Injection Pump |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 15 |  | Material &Metallurgy Lab | 1200 Sq Ft. | Polishing Machine, Metallurgical Microscope, Optical Pyrometer, Thermocouple, Muffle Furnace |
| 16 | Inspection & Quality Control | 1000Sq Ft. | Tool`s Maker |
| Microscope, Height Gauge, Depth |
| Gauge, Vernier Calliper, |
| Micrometer, Dial Indicator, Slip |
| Gauges, Sine Bar, Combination Set, |
| Bevel Protactor, Engineering Scale, Height Master, Profile Projector, Surface Plate (Iron &Granite) Air Plug Gauge Set, Surface Finish Tester, Surface FlatnessTester |
| 17 | Plumbing & Sheet Metal Shop | 1000 Sq Ft. | Die Set, Pipe Vice, Hand Tools, Leg Shear Machine, Power Shear Machine, Bending Machine |

**DEPARTMENT OF PLASTIC TECHNOLOGY**

|  |  |  |
| --- | --- | --- |
| **Sr.****No.** | **Major equipment** | **Q T****Y** |
| 1 | Automatic injection molding m/c (Rana &sons) | 1 |
| 2 | Automatic Blow molding m/c | 1 |
| 3 | CNC injection molding m/c (Electronica) | 1 |
| 4 | Vaccum forming m/c | 1 |
| 5 | Vertical hydraulic injection molding m/c | 1 |
| 6 | Hand oprated injection molding m/c |  |
| 7 | Pad printing m/c | 1 |
| 8 | Scrap grinder | 1 |
| 9 | drying oven | 1 |
| 10 | Compression molding m/c | 1 |
| 11 | High speed mixer | 1 |
| 12 | Extruder m/c | 1 |
| 13 | Agglomerator | 1 |
| 14 | Scrap grinder | 1 |
| 15 | Automatic cutting & sealing m/c | 1 |
| 16 | High frequency welding m/c | 1 |
| 17 | Fatigue Bending m/c | 1 |
| 18 | Cyclone separator | 1 |

|  |  |  |
| --- | --- | --- |
| **Sr.****No.** | **Experimental setup** | **QTY** |
| 1 | Magnetic stirrer | 1 |
| 2 | Muffle furnace | 1 |
| 3 | Melting point apparatus | 1 |
| 4 | Bacteriological incubator | 1 |
| 5 | Liquid liquid mixing m/c | 1 |
| 6 | Diffusion coff. Measurement of solid | 1 |
| 7 | Stefan Boltzman apparatus | 1 |
| 8 | Humidification tower | 1 |
| 9 | Double pipe heat exchanger | 1 |
| 10 | Batch distilation column | 1 |
| 11 | Ball mill | 1 |
| 12 | Diffusion of liquid air apparatus | 1 |
| 13 | Thermal conductivity of rod | 1 |
| 14 | Refractive index meter | 1 |
| 15 | Plastic gloss meter | 1 |
| 16 | Dart impact tester | 1 |
| 17 | ESCR tester | 1 |
| 18 | Tensile testing m/c | 1 |
| 19 | Vicat softning m/c & HDT | 1 |
| 20 | Melt flow index | 1 |
| 21 | Tear test apparatus | 1 |
| 22 | Izod impact tester | 1 |
| 23 | Hardness tester (shore A&D ) | 1 |
| 24 | Hardness tester (Rockwell) | 1 |
| 25 | Pressure gauge calibrator | 1 |
| 26 | Levibone comparator | 1 |
| 27 | Apparatus for calibration vaccum gauge | 1 |
| 28 | Apparatus for calibration of thermometer | 1 |
| 29 | Apparatus for calibration of thermocouple | 1 |
| 30 | Apparatus to measure flopper nozzle system | 1 |
| 31 | Apparatus for study of on -off controller for temp. control | 1 |
| 32 | Apparatus for study of composition analysis using PHmeter | 1 |

**DEPARTMENT OF APPLIED SCIENCE**

1. **Chemistry Lab**

|  |  |
| --- | --- |
| Sr.no. | Name of major equipment |
| 1 | Digital electronic balance |
| 2 | Redwood viscometer |
| 3 | Abel’s flash point apparatus |
| 4 | Hot air oven |
| 5 | pH meter |
| 6 | Digital conductivity meter |
| 7 | Thermometer |
| 8 | Tongs crucible stainless steel 6” |
| 9 | Filter paper |
| 10 | Hot plate |
| 11 | Melting point apparatus |
| 12 | Clay pipe triangle |
| 13 | Analytical balance |
| 14 | Stop watch |
| 15 | Test tube stand |
| 16 | Spatula |
| 17 | pH paper |
| 18 | Silica crucible |
| 19 | Copper voltameter |
| 20 | Copper plate |
| 21 | Battery eliminator |
| 22 | Rheostat 8” |
| 23 | Connecting wire |
| 24 | Voltmeter |
| 25 | Ammeter |
| 26 | Muffle furnace |
| 27 | Pipette stand (vertical for 28 ) |
| 28 | TDS meter |
| 29 | Soil testing kit |
| 30 | Glass fibre filter paper |
| 31 | Sound measuring meter (decibel meter) |
| 32 | Desiccator |
| 33 | All general glassware are available |
| 34 | All general chemicals are available |
| 35 | Electric water bath |

1. **Physics Lab**

|  |  |
| --- | --- |
| **Sr. No.** | **Major Equipments** |
| 1. | Vernier Calliper |
| 2. | Solid Cylinder |
| 3. | Hollow Cylinder |
| 4. | Screw Gauge |
| 5 | Meter Scale |
| 6. | Spherometer |
| 7. | Glass Slab |
| 8. | Concave Mirror |
| 9. | Convex Mirror |
| 10. | Gravesand Apparatus |
| 11. | Plane Mirror |
| 12. | Fortin’s Barometer |

|  |  |
| --- | --- |
| 13. | Mercury |
| 14. | Hooke’s Law Apparatus |
| 15. | Simple Pendulum App.Set |
| 16. | Stop Watch |
| 17. | Cantilever |
| 18. | Ohm’s Law Apparatus |
| 19. | Half Deflection method App. Set |
| 20. | Electronic Component Kit |

1. **English Lab**

|  |  |
| --- | --- |
| **Sr. No.** | **Major Equipments** |
| 1. | Computers |
| 2. | Headphones |
| 3. | U.P.S |
| 4. | C.P.U. |
| 5. | A.C |
| 6. | Mouse |
| 7. | Keyboard |

## DEPARTMENT OF ELECTRICAL ENGINEERING

**List of Major equipments/facilities in each Laboratory / Workshop**

* ***Electrical Machine Lab***

|  |  |
| --- | --- |
| **S.No.** | **Name of Major Equipment** |
| 1 | 25HP Squirrel (AC) Cage I/M 400/440V, 3-, 50Hz, 1440rpm coupled with 15KW compound wound DC generator 230V, 1500rpm operated with star delta starter & shunt field regulator |
| 2 | 5HP Shunt wound DC motor 220V, 1450rpm coupled with DC 3KW Shunt wound generator operated with starter & regulator |
| 3 | Dimmerstate 3-, 50Hz, 415V input 0-470 o/p |
| 4 | 3-, 5KVA Double wound transformer 440/220V |
| 5 | Crompton make DC Motor, 7.5HP, 220V, 1000 rpm with starter & regulator coupled with 5KVA Alternator 400/230V, 3-, 50Hz, 1000rpm |
| 6 | Cap. Start & Cap. Run I/M, 0.5KW, 240V, 3.5A, 1425rpm, 1- |
| 7 | Universal Motor 500W, 240V AC, 5.5A, 3.2A, 240V DC, 50Hz |
| 8 | Transformer 1-, 1KVA, I/P 230V, 4.34A, O/P 230V, 4.34A |
| 9 | Transformer Oil Test Set 0-50 KV |
| 10 | Synchronous Motor 5HP with control |
| 11 | Various types of Loads – Resistive, Inductive & Capacitive |
| 12 | Various types of portable meters for measurement of AC/DC Voltage, Current, Power, Frequency, Power Factor |

* ***Electronics I/II Lab***

|  |  |
| --- | --- |
| **S.No.** | **Name of Major Equipment** |
| 1 | PN Junction/Zener Diode Characteristics Kit |
| 2 | Rectifier Kit with Filter Circuits |
| 3 | Function Generator 2 Hz to 20MHz |
| 4 | Digital CRO |
| 5 | Transistor Characteristics kit |
| 6 | Power Amplifiers |
| 7 | Multivibrators & Op-Amps Kit |

* ***Instrumentation Lab***

|  |  |
| --- | --- |
| **S.No.** | **Name of Major Equipment** |
| 1 | LVDT Trainer Kit |
| 2 | Digital Temperature Controller |
| 3 | Capacitive Transducer |
| 4 | Electric Strain Gauge |
| 5 | Load Cell Trainer |

* ***PLC & Micro Controller Lab***

|  |  |
| --- | --- |
| **S.No.** | **Name of Major Equipment** |
| 1 | 8051 Development Board with different applications |
| 2 | PLC Trainer Kit with 5 no. Of applications |

* ***Industrial Electronics / Digital Electronics & MicroProcessor Lab***

|  |  |
| --- | --- |
| **S.No.** | **Name of Major Equipment** |
| 1 | Digital Lab Trainer Bread Board |
| 2 | 4/8 Bit Digital to Analog Converter Trainer |
| 3 | 8085 Microprocessor Training Kit with inbuilt power supply |
| 4 | Study of 8051/8031 LCD Microcontroller Training Kit with inbuilt powersupply |
| 5 | Various kits for Semiconductor devices – DIAC, TRIAC, SCR, UJT |
| 6 | Illumination Control using SCR/TRIAC |
| 7 | Speed Control of DC Motor using SCR |
| 8 | Half Controlled / Fully Controlled Rectifier Circuits |
| 9 | Variable Frequency Drive to run 3- Induction Motor |

* ***FEE / EMMI Lab***

|  |  |
| --- | --- |
| S.No. | Name of Major Equipment |
| 1 | Earth Resistance Tester |
| 2 | LCR Meter |
| 3 | Cell Tester with deviation |
| 4 | Meggar |
| 5 | Various types of portable meters (Digital/Analog) for measurement of AC/DC Voltage, Current, Power, Frequency, Power Factor |
| 6 | Various types of Loads – Resistive, Inductive & Capacitive |
| 7 | Relay Test Set |

* ***Electrical Workshop I/II***

|  |  |
| --- | --- |
| S.No. | Name of Major Equipment |
| 1 | Hand operated Winding Machine |
| 2 | Motorized Winding Machine |
| 3 | Meggar Electronic Type |
| 4 | 3- Contactor Control Panel |
| 5 | 1- & 3- Motor |
| 6 | Digital Insulation Tester |
| 7 | Electroplating Set 20lt. |
| 8 | Underground Cable Joint kit |
| 9 | Universal Winding Machine |
| 10 | Tong Tester |
| 11 | Crimping Tool |
| 12 | Various tools/items used in the field of Electrical Engineering - Relays, Push Buttons, Switches, Drilling Machine, Screw Drivers, Pliers, Cutters,Pincer, Hammers etc. |

**List of Experimental Setup in each Laboratory/ Workshop**

* ***Electrical Machine Lab***

|  |  |
| --- | --- |
| **S. No.** | **Name of Experimental Setup** |
| **1** | Crompton make DC Motor with starter & regulator coupled with Alternator connected with Synchronizing Panel to* perform Parallel Operation of Alternators & load sharing
* plot relationship between voltage, excitation & current of alternator
* determine regulation and efficiency of alternator from open circuit & short circuit test
 |
| **2** | Cap. Start & Cap. Run Induction motor to study the effect of a capacitor on starting & running of single phase induction motor |
| **3** | Synchronous Motor 5HP with control to determine the effect of variation of excitation on performance of synchronous motor |
| **4** | 1.  Slip ring type induction motor with starter to determine
	* efficiency by no load test, blocked rotor test & direct loading
	* effect of rotor resistance on torque speed curve of induction motor
 |
| **5** | L.E.E. make series wound DC motor 5HP with starter & regulator to study the motor on no load for a moment |
| **6** | Crompton make Shunt wound DC Motor, 3HP with starter & regulator to control the speed of motor by* Armature Control Method
* Field Control Method
 |

* ***Electrical Workshop I/II***

|  |  |
| --- | --- |
| **S. No.** | **Name of Experimental Setup** |
| **1** | 1.  Contactor Control Panel to perform Wiring, testing & fault finding of following circuits on 3- supply
	* Remote control circuits
	* Time delay circuits
	* Inter locking circuits
	* Sequential operation control circuits
 |
| **2** | Motorized Winding Machine for winding/re-winding of a fan |
| **3** | Electrical panel to study following domestic wiring installation* Casing & Capping
* Conduit
 |

**DEPARTMENT OF COMPUTER ENGINEERING**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr.****No.** | **Name of the Lab** | **Name of the Machinary/ Equipment** | **Qty** |
|  | **BIT Lab** | 1. Desktop Computer HP DX2480 | 10 |
| 2. Desktop Computer HCL P-4 | 10 |
| 3. Air Conditioner | 04 |
| 4. UPS 0.6 KVA | 10 |
|  | **LAB No 1** | 1. Desktop Computer HP 1404 | 04 |
| 2. Desktop Computer HP Elite 7100/6200 | 11 |
| 3. Desktop Computer HP 110-400 IL | 08 |
| 4. Data Projector Sony EX4 | 01 |
| 5. Tritronic online 5KVA UPS | 01 |
| 6. HP Scanjet 2400 | 01 |
| 7. Printer LBP 2900 | 02 |
| 8. Air Conditioner | 04 |
| 9. N/W Switch 24port | 02 |
|  | **LAB No 2 & 4** | 1. Desktop Computer HP DX2480 | 10 |
| 2. Desktop Computer HP DX2080 | 09 |
| 3. IBM X3400 QCEON 2.33 | 01 |
| 4. Tritronic online 5KVA UPS | 01 |
| 5. Air Conditioner | 04 |
|  | **LAB No 3** | 1. Desktop Computer DX3090 | 14 |
| 2. Tritronic online 5KVA UPS | 01 |
| 3. Air Conditioner | 04 |

**DEPARTMENT OF CIVIL ENGINEERING**

|  |  |  |  |
| --- | --- | --- | --- |
| SR.NO | NAME OF | NAME OF LABS & | MAJOR EQUIPMENTS AVAILABLE |
| COURSE | W/S |
| 1 | Civil | Surveying Lab | Total station, Theodolite,Digital Theodolite,Techometer,Dumpy Level,Compass(surveyor & presmetic) Auto level,Plane table with Accessories and linear measuring instruments etc. |
| Engineering |
| 2 | Civil | Construction | Compression Testing Machine,initial and final setting time apparatus,sieve sets for cement,fine aggregates and corse aggregate, |
| Engineering | Material | Vicat Apparatus , Soundness & |
|  |  | Le Chatellier Apparatus |
| 3 | Civil | Structural | Universal Testing Machine, Rockwell Hardness |
| Engineering | Mechanics | Machine, Torsion testing machine,searle’sapparatus,modulus of rupture test apparatus,verification of forces in a framed structure apparatus etc |
| 4 | Civil | Fluid | Venturimeter, Orifice meter, Bernoulli’s |
| Engineering | Mechanics | apparatus, Pipette tube, Notch apparatus,manometer ,current meter,friction in pipe apparatus etc |
| 5 | Civil | Concrete | Compression Testing Machine |
| Engineering | Technology | Slump Test App. Compaction Factor testApp.,flexural strength test apparatus etc |
| 6 | Civil | Water supply & | B.O.D. Incubator Apparatus for Total , Dissolved,PH of water meter |
| Engineering | Waste water | & Suspended apparatus for Chlorine Demand |
|  | Engineering | Models for demonstration of sanitry and water supply fittings etc |
| 7 | Civil | Soil & | Unconfined compression testing machine, |
| Engineering | Foundation | Standard Liquid limit apparatus- Casagrand |
|  | Engineering | Apparatus, Direct Shear test apparatus Electrical |
|  |  | operated sieves Shakers, Permeability test |
|  |  | apparatus, SPT test setup,Augur bore App.etc |
| 8 | Civil | Highway | Los-Angeles Abrasion testing machine. C.B.R test |
| Engineering | Engineering | app. Impact value machine Ductility & flash pointtest apparatus for Bitumen etc. |
| 9 | Civil | Building | Models of bonds in brick masonary,arches, scaffolding, footings and steel connections(beamto beam,beam to coloumn and framed structure) Various Building Materials, |
| Engineering | Construction Lab | Like Different types of Bricks, Aggregate, |
|  |  | Cement, Sand etc. |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| 10 | Civil | Civil Engineering | Civil Engineering Drawing Lab,drafting machine and tracing table etc |
| Engineering | Drawing lab |
| 11 | Civil | Computer | Ten systems fully installed with latest civil |
| Engineering | Applications in | engineering software like AutoCAD (2016version)etc |
|  | Civil Engg. |  |

**DEPARTMENT OF Elex. & Comm. ENGINEERING**

1. Analog Electronics Lab.
2. Digital Electronics Lab.
3. Communication Lab.
4. Power/Consumer Lab.
5. Instrumentation Lab.
6. Fiber Optics Lab.
7. Microprocessor Lab.
8. Project Lab.
9. Electronics Work Shop
10. NFTL Lab

#  Computing Facilities:

Internet Bandwidth : 50Mbps

Number & Configuration of System : 170, Core2 Duo & above Total no. of systems connected by LAN : 50

Total no. of systems connected by WAN : 50

Major Software packages available : Oracle, CAD, Cygwin, Macromedia Flash8

# GAMES & SPORTS FACILITIES:

 Gymnasium, Basketball, Volleyball, Badminton court, Football, Hockey, Cricket playgrounds etc.

# EXTRA-CURRICULAR ACTIVITIES:

Chhotu Ram Celebration, Annual Function, Talent Hunt, Quiz Contest, Debates, Poster Making, Athletic Meet, Inter- polytechnic Tournaments, NCC, Seminars, Communication Skills & Personality Development programmes, Educational & Industrial tours etc

#  TEACHING LEARNING PROCESS:

Overhead Projectors, LCD Projectors, PPT presentation, Audio/Video CDs/Cassettes, Smart Boards, Internet facility, Communication Skill lab, language lab etc.

#

# CURRICULA AND SYLLABI FOR EACH OF THE PROGRAMMES.

Institute is following the curricula and syllabi approved by Haryana State Board of Technical Education and the same is displayed on the departmental website [www.hsbte.org.in](http://www.hsbte.org.in/)

# ACADEMIC CALENDAR:

Academic Calendar is followed as given by HSBTE, Panchkula and the same is displayed on the departmental website [www.hsbte.org.in](http://www.hsbte.org.in/)

# ACADEMIC TIME TABLE:

Academic time table is already displayed on the college website.

# TEACHING LOAD:

## DEPARTMENT OF MECHANICAL ENGINEERING

 **Teaching Load of Each Faculty**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Name of Faculty** | **Load** | **Total** |
| **Theory** | **Practical** |  |
| 1 | Sh. Sonu NandalLecturer | 06 | 14 | 20 |
| 2 | Sh. Vivek Deswal L/I | 03 | 18 | 21 |
| 3 | Sh. Sudeep, L/I | 00 | 20 | 20 |
| 4 | Sh. Bhupender (Guest) | 12 | 10 | 22 |
| 5 | Sh. J.S. Boora W. Supdt. | 00 | 06 | 06 |
| 6 | Sh. Harvinder, W/I |  | 17 | 17 |
| 7 | Sh. Raju Nandal, FIG |  | 14 | 14 |
| 8 | Sh. Vijay Pal, W/I |  | 06 | 06 |
| 9 | Sh. Sandeep Nandal, I/R |  | Instrument Repair Work |  |
| 10 | Sh. Yudhvir Singh, W/I |  | 06 | 06 |
| 11 | Sh. Rajiv, W/I |  | 06 | 06 |
| 12 | Sh. Surender Singh, W/I |  | 06 | 06 |
| 13 | Sh. Avnish Dhiman, W/I |  | 06 | 06 |

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION**

 **Teaching Load of Each Faculty**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Name of Faculty** | **Load** | **Total** |
| **Theory** | **Practical** |  |
| 1. | Sh. Jai Kanwar | 3 | 9 | 12 |
| 2. | Sh. Sukhbir kinha | 4 | 9 | 13 |
| 3. | Dr. Sitender | 03 | 09 | 12 |
| 4. | Sh. Navinder Malik | 6 | 14 | 20 |
| 5. | Sh. Alok Kumar | 06 | 15 | 21 |
| 6. |  Ms. Ashima Singh | 09 | 09 |  18 |
| 7 | Sh. Suresh Nehra | 06 | 09 |  15 |
| 8 | Sh. Deepak Dahiya |  | 22 |  22 |
| 9 | Sh. Rajesh Hooda |  | 18 |  18 |
| 10 | Sh. Manoj Takshak | 02 | 16 |  18 |

## DEPARTMENT OF PLASTIC ENGINEERING

 **Teaching Load of Each Faculty**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Name of Faculty** | **Load** | **Total** |
| **Theory** | **Practical** |  |
| 1. | Mr. Rajiv Sharma | 09 | 10 | 19 |
| 2. | Mr. Keshak Babu | 07 | 15 | 22 |
| 3. | Mr. Pardeep Kumar | 04 | 21 | 25 |
| 4. | Mr. Aditya Bhatnagar | 06 | 18 | 24 |
|  |  |  |  |  |

## DEPARTMENT OF COMPUTER ENGINEERING

 **Teaching Load of Each Faculty**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Name of Faculty** | **Load** | **Total** |
| **Theory** | **Practical** |  |
| 1. | Mr. Parveen Kohar | 05 | 06 | 11 |
| 2. | Mr. Ravinder Rathee | 05 | 09 | 14 |
| 3. | Ms.Priyanka | 07 | 09 | 16 |
| 4. | Ms.Ajeta Nandal | 06 | 12 | 18 |
| 5. | Ms.Keerti | 02 | 13 | 15 |
| 6. | Mr. Dalvir | 07 | 08 | 15 |
| 7. | Ms.Poonam | 03 | 14 | 17 |
| 8. | Mr.Ashok Maan |  | 16 | 16 |
| 9. |  Mr.Shashi Kumar |  | 16 | 16 |

**DEPARTMENT OF APPLIED SCIENCE**

 **Teaching Load of Each Faculty**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Name of Faculty** | **Load** | **Total** |
| **Theory** | **Practical** |  |
| 1. | Sh. Ashok Deswal | 08 |  | 08 |
| 2. | Mrs. Neelam malik | 03 | 06 | 09 |
| 4. | Sh. Dinesh Nandal | 08 | 12 | 20 |
| 5. | Mrs Manisha Hooda | 10 | 04 | 14 |
| 6. | Mrs. Ijja | 12 |  | 12 |
| 7. | Mrs. Seema rani |  | 20 | 20 |
| 8. | Mrs. Rinku Rani | 04 | 04 | 08 |
| 9. | Mrs. Vijeta | 10 |  | 10 |

**DEPARTMENT OF ELECTRICAL ENGINEERING**

 **Teaching Load of Each Faculty**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Name of Faculty** | **Load** | **Total** |
| **Theory** | **Practical** |  |
| 1. | Sh. Parveen Dahiya | 04 | 14 | 18 |
| 2. | Sh. K.K. Bisla | 08 | 10 | 18 |
| 3. | Sh. Hansraj | 06 | 12 | 18 |
| 4. | Sh. Saket Bahtnagar |  | 18 | 18 |
| 5. | Sh. Sandeep Rathee |  | 18 | 18 |
| 6. | Sh. Suresh Lather |  | 23 | 23 |
| 7. | Sh. Jai Bhagwan Hooda |  | 18 | 18 |

**DEPARTMENT OF CIVIL ENGINEERING**

 **Teaching Load of Each Faculty**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Name of Faculty** | **Load** | **Total** |
| **Theory** | **Practical** |  |
| 1. | Mr.Dalbir Singh | 03 | 15 | 18 |
| 2. | Mr.Ravi Nandal | 05 | 13 | 18 |
| 3. | Mr.Vikas Narwal | 02 | 16 | 18 |
| 4. | Mr. Amarjeet | 02 | 16 | 18 |
|  |  |  |  |  |

1. **ENROLLMENT OF STUDENTS IN THE LAST 3 YEARS**

It is mentioned in point no.10

## LIST OF RESEARCH PROJECTS/CONSULTANCY WORKS

NILL

## EXTENSION OF APPROVAL

It is already displayed on the college website.

## 17. ACCOUNTED AUDITED STATEMENT For Year 2022-23 State Non-Plan Recurring

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## ACCOUNTED AUDITED STATEMENT For Year 2023-24 State Non-Plan Recurring

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## ACCOUNTED AUDITED STATEMENT For Year 2024-25 State Non-Plan Recurring

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