



TRAINEE BRIEF

VERSION 8.0

Indian Railways Institute of Signal Engineering &
Telecommunications
Secunderabad

Mission Statement

Enhancing human and organizational excellence
in Rail Sector by blending frontier technologies.

Vision Statement

To make IRISET a Center of Excellence (CoE) of
global repute.

Values

Integrity, Safety, Leadership, Innovation, Synergy,
Empathy and Customer Focus.

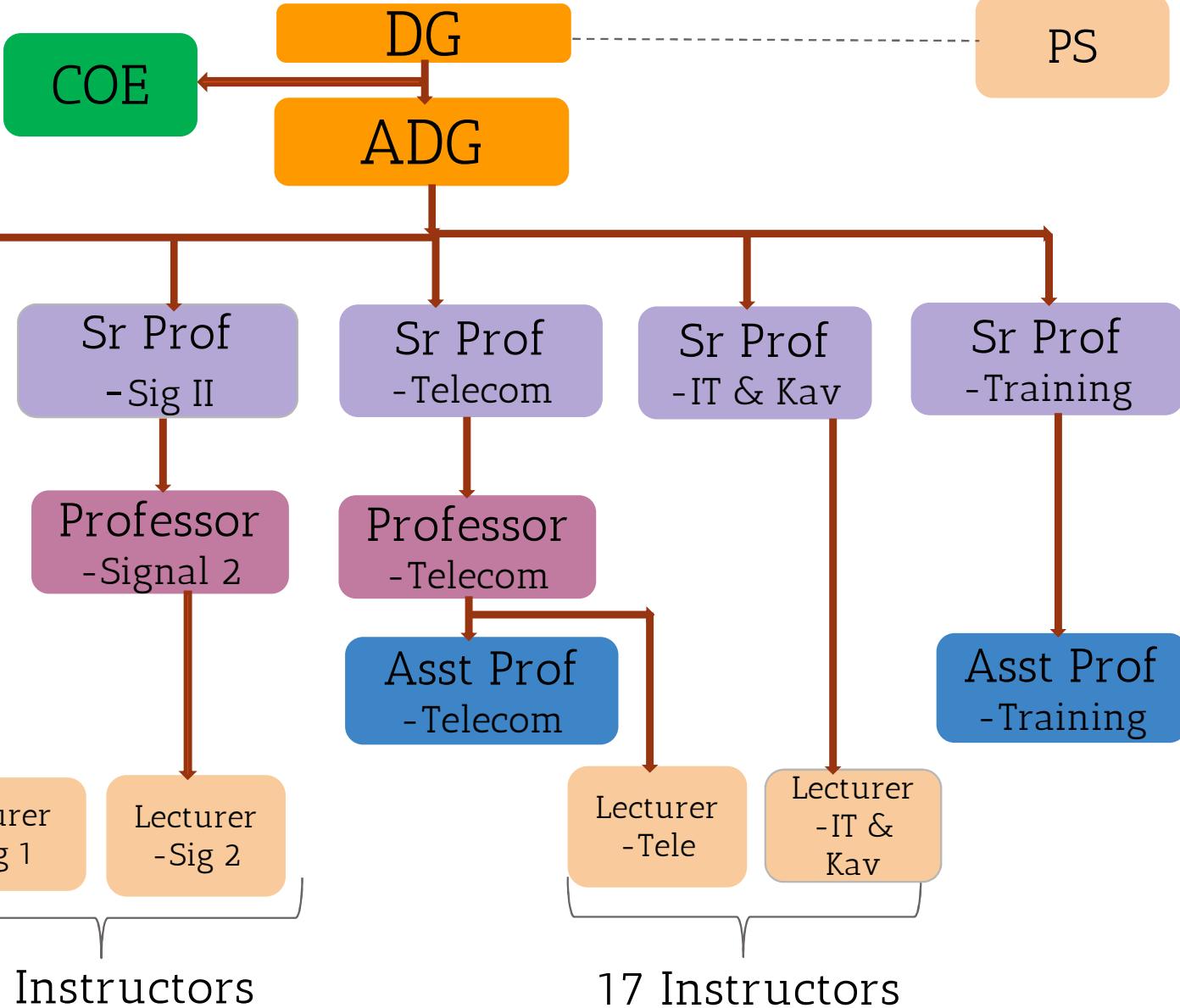
ABOUT

- Indian Railways Institute of Signal Engineering & Telecommunications has completed 60 years of its glorious existence.
- It was established on 24th November 1957, with the name of All India S&T School, for imparting training on Signalling and Telecommunications to Indian Railways personnel. After change in the name four times in between, finally in January 1971, the institute was named IRISET.
- S&T officers and supervisors both are being trained in the institute.
- IRISET also provides training to the personnel of foreign Railways, Public and Private Sector companies in India.



IRISET CAMPUS

ORGANISATION



MORNING TIMINGS

S.no	From (Hrs)	To (Hrs)	For	Remarks
1	06.30	07.00	JE/SSE	PT at Cricket Ground for Initial Trainees. Morning walk for others. Divyang (with CD's permission) & those arriving on same day are exempted.
2	07.00	07.30	Officers	
3	07:40	08:40	All	Breakfast at Hostels

CLASS TIMINGS

Academic sessions begins at 9 am sharp. Please be on time

1 st Period	2 nd Period	Tea Break	3 rd Period	4 th Period	Lunch Break	5 th Period	Tea Break	6 th Period
09.00	10.00	11.00	11.15	12.15	13.20	14.30	15.30	15.45
to	to	to	to	to	to	to	to	to
10.00	11.00	11.15	12.15	13.15	14.20	15.30	15.45	16.45

- Shramdaan Program will be conducted from 17.00 hrs to 18.00 hrs as per Place & Batch/course as and when notified.
- All laboratories and Computer Center remain open up to 17.45 hrs.
- Trainees can utilise the time from 16.45 hrs to 17.45 hrs to clear their doubts or for hands on practice.

CLASS ROOMS



LABORATORIES

- The Institute has well equipped laboratories for imparting hands-on training to the trainees on various subjects relevant to their jobs.
- The laboratories are situated in the ground floor & first floor of Main Building and in the Modern Signal And Telecom Labs Building opposite to Indoor Auditorium

LABORATORIES

Signalling Labs

Outdoor Sigg

Block Sigg

Train Detection

Digital Axle

Electronic Interlocking

KAVACH

Telecommunication Labs

Transmission

Train Control

Telephony

Passenger Information Systems

Outdoor Tele

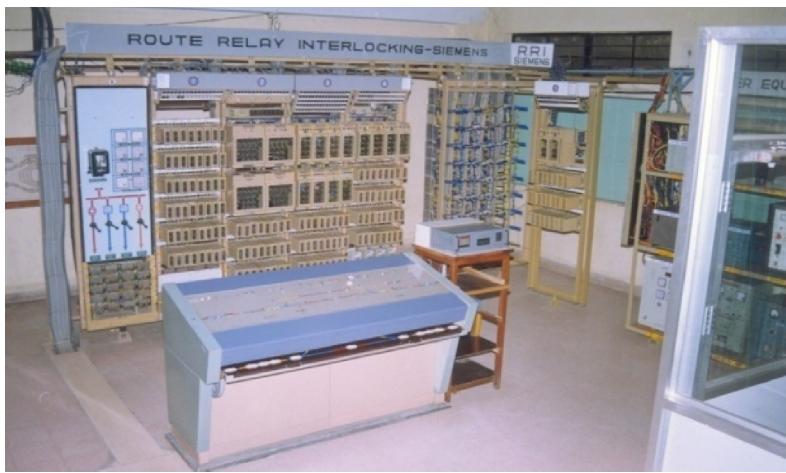
Network

Computer

BLOCK SIGNALLING LAB



ELECTRICAL SIGNALLING LAB



OUTDOOR SIGNALLING LAB



TRAIN DETECTION LAB



TRANSMISSION SYSTEMS LAB



TELEPHONY LAB



CONTROL LAB



PIS LAB



OUTDOOR TELECOM LAB



NETWORKING LAB



COMPUTER LAB



MODERN SIGNAL AND TELECOM LABORATORY



AUDITORIUM

- Indoor Auditorium:
 - Well-furnished centrally air-conditioned auditorium with a capacity of 320 seats
 - Used for imparting training using projectors and large screen, organising seminars, official functions and cultural programmes
- Open-Air Auditorium:
 - Makeshift auditorium with 1000 seating capacity.
 - Annual day function and main events will take place here.



INDOOR AUDITORIUM

OUTDOOR AUDITORIUM



LIBRARY

- About 30,000 books on various subjects. A wide collection of Railway Signalling and Telecommunication books are also available. Library subscribes to various technical journals and periodicals of India and abroad. The library is equipped with modern infrastructure, with a seating capacity of 60 users.
- Barcoded Photo ID cum Library Cards can be obtained from the Library after Trainee registers himself/herself on ITMS.
- ID cum Library Cards are not transferrable and are to be returned to library on completion of each phase of the course.

- 10 books can be issued at a time on a Library Card.
- PCs are available in Library for the use of trainees for browsing internet & for viewing audio visual CDs.
- The Library Timings are
 - Monday to Friday 9.00 hrs to 18.00 hrs.
 - Saturday, Sunday and General holidays Closed

AUTOMATED LIBRARY MANAGEMENT SYSTEM

- Library is automated by providing the state-of-art Library Management System Software (Libsoft).
- Online Public Access Catalogue (OPAC) is available to search any type of documents in Library.
- Library e-resources (e-magazines, e-newspapers, e-manuals & e-books) are available in "iriset.in" (ITMS) website.
- Trainees, Faculty and Staff can access by logging in through user id and password.
- All books in the Library are bar coded to facilitate inventory management and issue & receipt of books.

LIBRARY



DEBILALI HOSSEIN 090

SPORTS CLUB FACILITIES

- Cricket
- Badminton (2 synthetic and 1 wooden court)
 - "NO MARK" shoes are compulsory for Synthetic court.
 - Trainee timings : 06.00 hrs to 08.00 hrs & 17.00 hrs to 20.00 hrs
- Tennis (1 synthetic and 4 clay courts)
- Volleyball
- Basketball
- Table Tennis
- Golf course
- AC Gymnasium

SYNTHETIC BADMINTON COURT



BASKETBALL COURT



GYMNASIUM – HOSTEL 4 (GANGA)



GOLF COURSE



IRISET CLUB

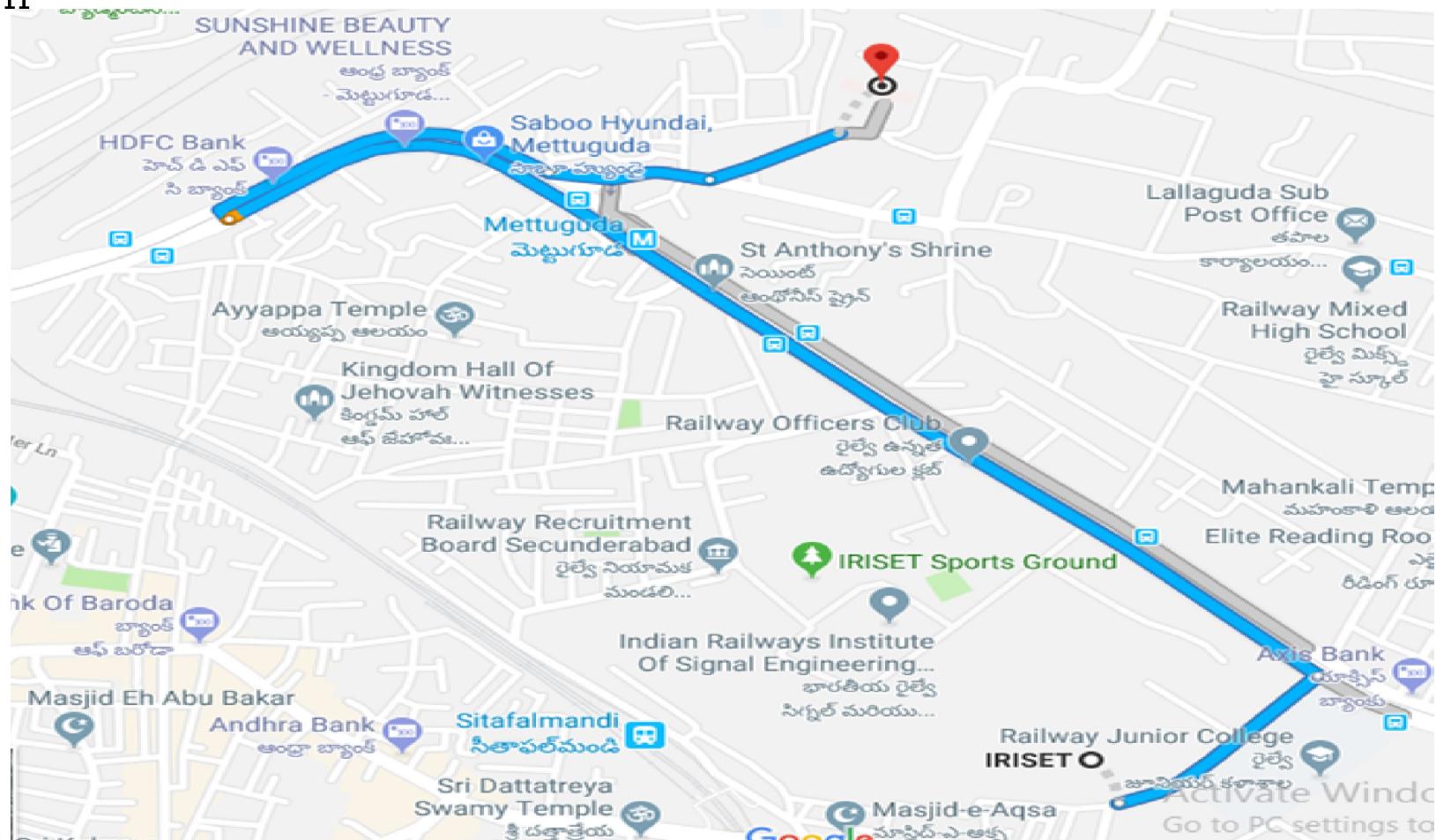
- All the trainees, Officers and staff of IRISET are members of the Club
- Cultural wing of the club organizes cultural programs from time to time
- Sports wing of the club organizes Sports meet on occasions such as Republic Day, Independence Day, etc.
- Trainees are advised to take active part in extracurricular activities.
- Current charges of Club fee
 - Rs.200/- for each officer trainee per month
 - Rs.100/- for each supervisor trainee per month
 - Rs.200/- for family per head per month for Gym facility
- Trainees attending courses of one week or less than one week duration, are also required to pay Rs.100/- towards club fee.
- Trainees are advised to pay the requisite club fees at the beginning of the course to avoid delay in issue of NO DUE Certificate.

IRISET CLUB PORTFOLIOS

- PRESIDENT**
- VICE PRESIDENT**
- GENERAL SECRETARY**
- SPORTS SECRETARY**
- CULTURAL SECRETARY**

HEALTH CARE

- Zonal Railway Hospital is located at South Lallaguda at a distance of about 2 km



- The hospital is open round the clock with at least one doctor being available at the Casualty OPD
- Trainees to take medical memo signed by course director before proceeding to hospital.
- Please inform Course Director and Hostel Warden in case of medical exigencies
- Please register ICE (In Case of Emergency) in your mobile phones, so that the person can be contacted during emergency
- Please contact
 - 89444 (Railway), 040 27001134 (BSNL) for Railway Ambulance
 - 108 for Public Ambulance
 - 89166 (Railway), 040 27002271 (BSNL) for Casualty

RAILWAY RESERVATION TERMINAL

- PRS terminal has been provided in the foyer near Conference Hall
- Operational Timings
 - Every Monday, Tuesday & Thursday
 - 10.30 hrs to 12.00 hrs
 - For non-cash transactions only
- Reservations/ Cancellations on passes can be made in this terminal

Other nearby PRS counter is

PRS COUNTER AT	COUNTER TIMINGS	OPEN ON
Railway Hospital, Lalaguda	10.30 hrs to 17.00 hrs (Lunch Break: 13.30 hrs to 14.15 hrs)	Monday to Saturday (Non-Cash)

PHYSICAL TRAINING/YOGA SESSION

- PT is compulsory for all Initial trainees.
- Yoga is compulsory to be done at least once a week for all batches according to the time table issued. For other days of the week, it is optional for a batch.
- Divyang Trainees (with CD's permission) & those arriving on same day are exempted.
- Trainees with health issues like Spondylitis/Back Pain etc should take written exemption from Course Director, for not attending the sessions.
- Timing:
06.30 hrs to 07.00 hrs– PT for Initial JE/SSE
07.00 hrs to 07.30 hrs– PT for Officers
19.00 hrs to 20.00 hrs– Yoga for Officers & JE/SSE

- Time table for Yoga will be circulated at the beginning of the month.
- PT/Yoga will not be conducted on weekends and public holidays.
- The timing will be adjusted on special occasions and will be intimated by PT Instructor.
- A single day absence from PT will be considered as $\frac{1}{2}$ day CL.

e-LEARNING CENTER (COMPUTER CENTER)

- Computer terminals on high speed data network
- Internet and Railnet access
- Online Examinations
- Timings:
 - Monday to Friday 08.30 Hrs to 17.30 Hrs
 - Saturday and Sunday CLOSED
 - A few systems have been provided in Library. Trainees can also use the system, if necessary.

Learning Management System –



- Learning Management System (LMS)
- Based on Moodle Platform
 - Free, Online to enable educators to make dynamic courses that extend learning anytime, anywhere
- Objective Question Banks : Topic-wise - 10,000+
- Online Examination (Objective) for all non-mandatory courses and Refresher Courses.
- Mobile friendly
- To be accessed using ITMS user Credentials.

Question 1

Tries remaining: 1

Marked out of 1.00

Flag question

Edit question

The length of the router id in OSPF domain is _____

Select one:

- a. 48 bits
- b. 32 bits
- c. 16 bits
- d. 128 bits

Check

Question 2

Tries remaining: 1

Marked out of 1.00

Flag question

The length of the router id in OSPF domain is _____

Select one:

- a. 32 bits
- b. 48 bits
- c. 16 bits

Quiz navigation

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35
36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56

Heritage Gallery



BOARDING

- Charges: Rs.415/- for Officers and Rs.330/- for Supervisors per day per head
- Timings:
 - Morning Tea 06:00 Hrs to 07:00 Hrs
 - Breakfast 07:40 Hrs to 08:40 Hrs
 - Lunch 13:20 Hrs to 14:20 Hrs
 - Evening Tea 17:45 Hrs to 18:30 Hrs
 - Dinner 19:30 Hrs to 21:00 Hrs
- Partial mess off is not permitted.

- For Mess off for two days or less, an admin charge of ₹125/day and beyond two days, ₹100/day has to be paid.
- Please note that the Hostel Mess is managed by Trainees.
- Mess committee has the responsibility to ensure quality of food that is being served and ensure maintenance of hygiene in the mess
- Non Vegetarian food will not be served, except egg
- Any suggestions/ grievances should be brought to the notice of
 - PAdmin (President/Mess) Sri S Hari (97013 41817)
 - EA (Vice President/Mess) Sri T T Anand (97013 41820)

GENERAL INSTRUCTIONS

- Bio Data entry in ITMS should be completed during Registration Session.
- Weekly time Tables are displayed on Notice Boards of hostels and in Classrooms.
- Cell phones/Tabs are NOT ALLOWED in Class Rooms/Labs
- Trainees wanting to stay outside of hostel should take permission of Course Director for the same, on the standard form available in training section.
- Trainees have to sign an undertaking at the beginning of the course to abide by the code of conduct of IRISET.
- No leave will be granted during the duration of course, except in case of emergency.

- Attendance is mandatory for all training events including PT/Yoga, classes, tours, visits, field trips, cultural events etc. organized by the Institute from time to time.
- A single hour missing from class will be treated as absence for the whole day.
- It may be noted that there will be marks allotted for behaviour in class rooms/hostels, participation in Shramdan/PT & Cultural/Sports program
- If trainees feel that they are in need of a few extra classes for any subject, the matter should be discussed with course director well in advance, so that necessary arrangements can be made.
- Pass marks for each subject is 60%.
- Hard copies of IRISET notes kept in Library, may be utilised during the duration of training. Hard copy of notes will not be issued.
- Please Switch off all the electrical appliances before leaving the Classroom.

- Trainees going out of hostel for any reason, should be back in the hostel by 2200 Hrs
- Hostel rooms will be cleaned daily between 0900 hrs to 1200 hrs and 1430 Hrs to 1630 Hrs, in presence of hostel warden.
- Trainees can lodge a complaint on a Google Sheet available at the reception of the Hostel
- Trainees are advised to use their personal lock and key for Almirah, in order to keep their valuable belongings safe. Admin is not responsible for any loss or misplacement.
- Smoking/ Drinking/ Paan/ Gutkha/ Narcotics/ Plastic bags are prohibited in IRISSET Campus and Hostel.
- Keeping or consuming Alcoholic drinks/Paan/Gutkha/Cigarettes in the Hostel rooms is strictly prohibited. Misconduct in an inebriated state will result in action under Conduct Rules.

**MOBILE PHONES / TABS ARE NOT
ALLOWED IN CLASSROOMS & LABS**

**NO UNFAIR MEANS SHOULD BE
ADOPTED DURING EXAMINATIONS**

**CHEATING OR COPYING DURING EXAMINATIONS
WILL BE VIEWED VERY SERIOUSLY.**

**PLASTIC BAGS, CIGARETTES, ALCOHOL,
NARCOTICS, PAAN & GUTKHA
ARE NOT ALLOWED INSIDE THE
HOSTEL & IRISET PREMISES**

IRISET IS A TEMPLE OF LEARNING

KEEP IT CLEAN AND GREEN

PLEASE DO NOT SPIT OR LITTER THE HOSTEL OR IRISET CAMPUS

PLEASE SAVE WATER

PLEASE TURN OFF THE TAPS WHEN NOT IN USE AND
REPORT ANY LEAKAGES IMMEDIATELY TO THE AUTHORITY

**PLEASE ENSURE TO SWITCH OFF THE
FANS, LIGHTS, COMPUTERS, AC
WHEN NOT IN USE**

**PLEASE WEAR MASK ALWAYS FOR YOUR
OWN SAFETY AND ALSO FOR THE SAFETY
OF OTHERS.**

**PLEASE SANITISE YOUR HANDS
FREQUENTLY.**

DRESS CODE

- No jeans/T- Shirts/Sneakers/Sports shoes shall be allowed during academic hours. Casual attire is not at all allowed.
- For P.T/Yoga sessions
 - Men are required to wear White T-shirts and White shorts or track- suits with white canvas shoes/sneakers and white socks.
 - Women are required to wear white salwar and kameez, or track-suits, with white canvas shoes/sneakers and white socks
- In the indoor sports complex, all Trainees are required to be decently attired. Footwear like sports or canvas shoes may be worn. However, slippers or chappals are not allowed.
- Slippers, shorts, nightgowns, Kurta-pyjama etc. are not permitted in the Mess

NOMINATIONS of PORTFOLIOS

- Batch Prefect
- Assistant Batch Prefect
- Mess Representative
- Assistant Mess Representative (For Batch size > 30)
- Cultural Representative
- Sports Representative

DUTIES OF BATCH PREFECT

- Batch Prefect Should collect the sparing letters of the trainees in the batch and deposit those to training section.
- Attendance Sheet should be collected from Training Section and the Batch Prefect should present it to individual faculty for taking attendance at the beginning of each class and getting it signed.
- Taking care of Collar Mic, projector
- Ensuring switching off lights, fans, projector, PC
- Collecting and depositing Club fee in Axis Bank account no.
- Act as interface between trainees and CD in common matters

DO's

- Please make it a habit to browse the notice board regularly, as important information are displayed there from time to time.
- Make it a point to greet all faculty members, guest officers/visitors to IRISET, other officers undergoing training whenever you cross them.
- Keep proper decorum in hostel lounge & mess by wearing proper dress and talking politely.
- Contact Course Director or Alternate Course Director regarding problems – official and personal.

- Make use of the Complaint Register available with Warden(s) to record any complaints on Mess matters and/or general maintenance matters.
- Have regard for all faculty members including instructors
- Take active part in sports, cultural events and all other get-together events.
- Visit training section only after class hours. Do not visit during tea breaks.
- Participate in Shramdaan and other activities organised from time to time

DONT's

- Smoking/ Drinking/ Paan/ Gutkha/ Narcotics/ Plastic bags are prohibited in IRISET Campus and Hostel.
- Do not be absent or late for PT or for classes.
- Do not talk loudly so as to disturb others. Maintain silence in corridors.
- Do not feel shy to ask doubts in the class. Every trainee including the weakest in the class has to be made competent for taking up his/ her duties when posted.
- Do not reprimand a mess employee unless you are in the mess committee. Make a complaint to the mess committee member.

RATES AT A GLANCE

- Current charges of Club fee
 - Rs.100/- for Supervisors per month
 - Rs.200/- for Officers per month
 - Rs.1000/- for family per month for Gym facility

- Mess Charges per day per head
 - Rs. 415/- for Officers
 - Rs. 330/- for Supervisors

Important Numbers

● President (Mess)	:	Sri S Hari (Prof Admin)	:	97013 41817
● Vice President (Mess)	:	Sri T T Anand (EA)	:	97013 41820
● Sports Secretary	:	Sri K Uma Maheshwara Rao (APS)	:	97013 41807
● Cultural Secretary	:	Sri	:	
● Transport In-Charge	:	Sri V Mahender (Asst Lib Inf Officer)	:	97013 41823
● Hostel Superintendent	:	Sri D Suresh Babu	:	97013 41818
● Warden (Hostel 1)	:	Sri P Suresh	:	78937 32939
● Warden (Hostel 2)	:	Sri Sharad	:	96760 77205
● Warden (Hostel 3)	:	Sri Satyanarayana	:	99484 25301
● Warden (Hostel 4)	:	Sri Pawan	:	90309 06458
● PT Instructor	:	Sri Yesupadam	:	95501 44447

Reservation/EQ request –Deposit to Training section with CD signature







Thanks

