



Books are the means by which we **build bridges** between **Cultures**.

- **Dr. Sarvepalli Radhakrishnan**
Former President of India

Criterion 4

Infrastructure & Learning Resources

List of QL and QN Metrics for Appeal

Sl. No.	Criterion No.	Criterion Description	Website Link
<u>QL Metrics for Appeal</u>			
1	4.2.2	Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment	View
2	4.3.1	Institution frequently updates its IT facilities including Wi-Fi	
3	4.4.2	There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, class rooms etc.	

Infrastructure – A Glance

Land Area	17 Acres
Academic Built-up Area	2.50 Lakh sq.ft
Hostel and other Amenities Built-up Area	1.00 Lakh sq.ft
Number of ICT Enabled Classrooms	52 Nos
Number of Smart Classrooms	05 Nos
Number of Seminar Halls	03 Nos
Number of Hostels	02 Nos
Total number of laboratories	55 Nos



Classrooms & Seminar Halls

Number of ICT Enabled Classrooms	52 Nos
Number of Computer Centre	12 Nos
Number of Seminar Hall	03 Nos
Number of Rest Rooms	17 Nos
Number of Common Rooms	02 Nos

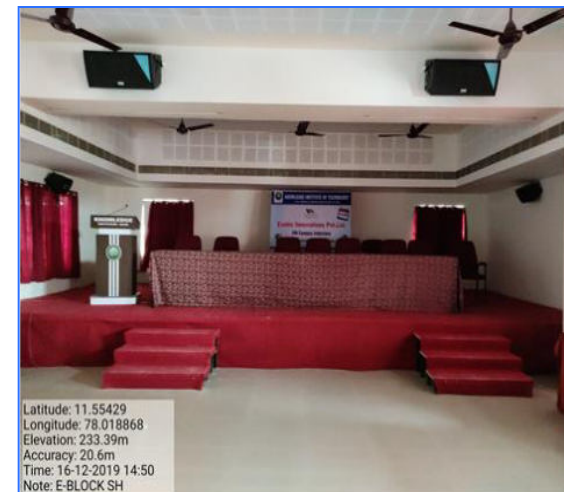


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 Longitude: 78.019519
 Elevation: 217.45m
 Accuracy: 34.9m
 Time: 10-12-2019 11:50
 Note: C109 IS



Latitude: 11.554662
 Longitude: 78.0187
 Elevation: 354.47m
 Accuracy: 4.8m
 Time: 11-28-2019 11:21
 Note: D203

ICT Enabled Class Room



Latitude: 11.55429
 Longitude: 78.018868
 Elevation: 233.39m
 Accuracy: 20.6m
 Time: 16-12-2019 14:50
 Note: E-BLOCK SH



Latitude: 11.553898
 Longitude: 78.019117
 Elevation: 356.47m
 Accuracy: 4.0m
 Time: 11-28-2019 14:04
 Note: A -BLOCK SEMINAR H

ICT Enabled Seminar Hall

Civil Engineering Laboratories

1. Computer Aided Building Drawing
2. Construction Materials Laboratory
3. Surveying Laboratory
4. Strength of Materials Laboratory
5. Hydraulic Engineering Laboratory
6. Soil Mechanics Laboratory
7. Water And Waste Water Analysis Laboratory
8. Highway Engineering Laboratory
9. Irrigation And Environmental Engineering Drawing
10. Structural Design and Drawing (CADD Lab)



Strength of Materials Laboratory



Soil Mechanics Laboratory



Computer Science and Engineering Laboratories

1. Communication Laboratory
2. Networks Laboratory
3. Database Management Systems Laboratory
4. Mobile Application Development Laboratory
5. Software Development Laboratory
6. Computer Practices Laboratory
7. Data Structures Laboratory
8. Object Oriented Analysis and Design Laboratory
9. Problem Solving and Python Programming Laboratory
10. PG - CSE Laboratory
11. IOT Laboratory



Networks Laboratory



DBMS Laboratory



PG- CSE Laboratory



Data Structures Laboratory

Electronics and Communication Engineering Laboratories

1. Engineering Practices Lab
2. Digital Electronics Lab
3. Analog and Digital Circuits laboratory
4. Optical and Microwave Laboratory
5. Microprocessor and microcontroller Laboratory
6. Digital Signal Processing Laboratory
7. Computer Networks laboratory
8. VLSI Laboratory
9. Embedded Laboratory
10. Communication Systems Laboratory



MPMC Laboratory



Networks Laboratory



Analog and Digital Circuits Laboratory



Digital Signal Processing Laboratory

Electrical and Electronics Engineering Laboratories

1. Engineering Practices Laboratory
2. Electric Circuits Laboratory
3. Electronics Laboratory
4. Linear and Digital Integrated Circuits Laboratory
5. Electrical Machines – I Laboratory
6. Electrical Machines – II Laboratory
7. Control and Instrumentation Laboratory
8. Power Electronics and Drives Laboratory
9. Microprocessors and Microcontrollers Laboratory
10. Power System Simulation Laboratory
11. Renewable Energy Systems Laboratory



Electric Circuits Laboratory



Electronics Laboratory



Electrical Machines – I Laboratory



Microprocessors and Microcontrollers Laboratory

Mechanical Engineering Laboratories

1. Engineering Practices Laboratory
2. Manufacturing Technology Laboratory I
3. Manufacturing Technology Laboratory II
4. Metrology and Measurements Laboratory
5. Thermal Engineering Laboratory I
6. Thermal Engineering Laboratory II
7. Kinematics and Dynamics Laboratory
8. Mechatronics Laboratory
9. Analysis & Simulation Laboratory
10. Computer Aided Design Laboratory
11. Computer Aided Manufacturing Laboratory
12. Industrial Safety Engineering Laboratory
13. Computer Aided Machine Drawing Laboratory



Thermal Engineering Laboratory I



Analysis & Simulation Laboratory



Manufacturing Technology Laboratory I



Computer Aided Manufacturing Laboratory

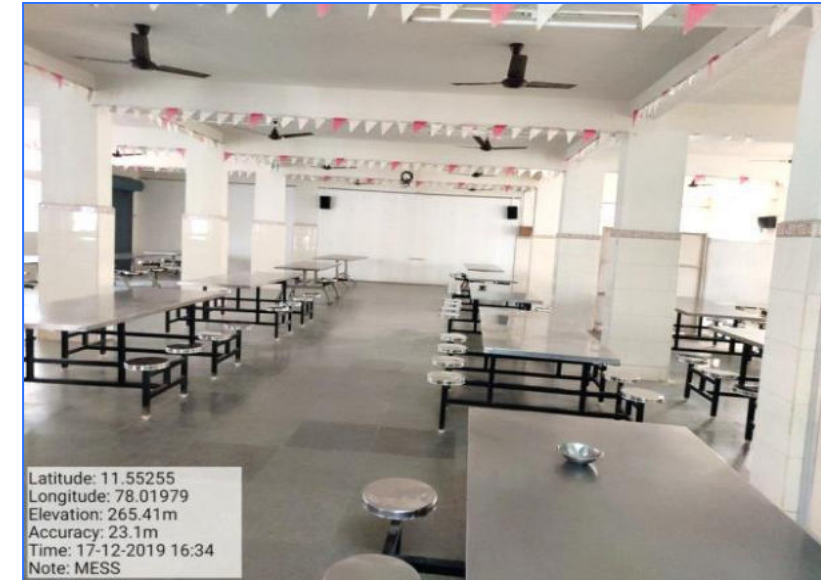
Hostel Facility

Boys Hostel

Total Rooms	72 Nos
AC Rooms	5 Nos with Wi-Fi
Non-AC Rooms	67 Nos with Wi-Fi

Girls Hostel

Total Rooms	24 Nos
AC Rooms	01 No with Wi-Fi
Non-AC Room	11 Nos with Wi-Fi



Boys Hostel



Internet Facility



Girls Hostel

Sports Facilities

Indoor

1 Table Tennis

2 Chess

3 Carrom

Outdoor

4 Cricket Ground

5 Football Court

6 Hockey Ground

7 Volleyball Court

8 Throw ball Court

9 Kabaadi Court

10 Shuttle badminton Court

11 Basketball Ground

12 Cricket Net Practice

13 Athletics





Yoga and Meditation Club Activities



Power Gym



Food Court



Health Centre

FINE ARTS



Cultural events

S. No	Facility	Details
1.	Library Area	700 Sq.m
2.	Seating capacity	200
3.	No. of Book Titles available	6616
4.	No. of Book Volumes available	32310
5.	No. of Newspapers available	08
6.	No. of CDs and DVDs available	1804
7.	No. of Students Project Reports available	1676
8.	Availability of remote access for E-resource	Yes
9.	Digital Library	Yes
	No. of Computers	34
	Sever available	Yes
10.	Reprography available	Yes
11.	Audiovisual Room	Yes

Library Working Hours	
Monday to Saturday	9 am to 7 pm
Sunday	9 am to 4 pm



Central Library – Front View



Digital Library



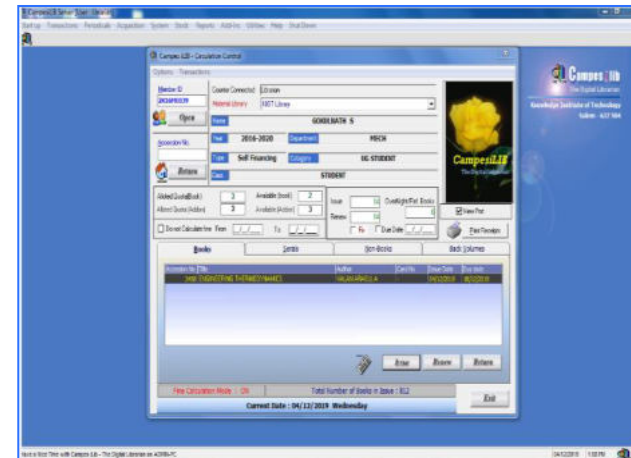
Circulation Table



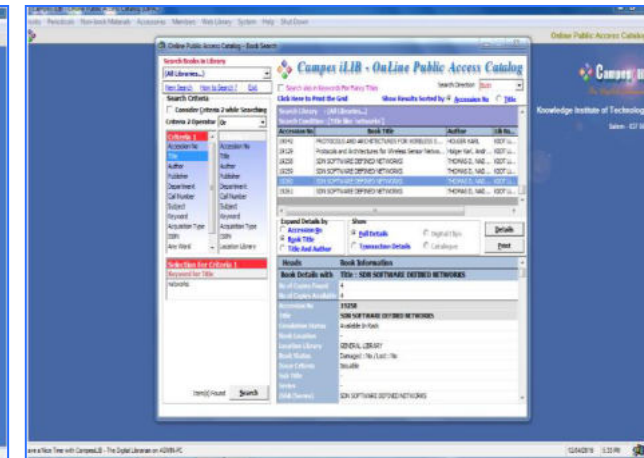
Book Rack

Library Automation

Library Automation	
Name of the Software	CampesiLIB
Mode of Automation	Fully
Version of Software	6.3.9
Year of Automation	2009



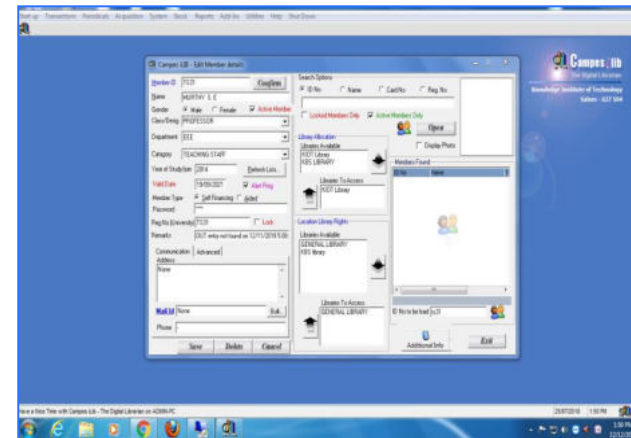
Screenshot of CAMPESILIB



Book Search – Access No

OPAC Facility

- Book Search by Accession Number
- Periodical and Non-Book Search Facility
- Member Due Check Facility
- Member Transaction History View
- Book Reservation Facility



Member Due Check Facility




E-Gate Entry

Usage of Library by Faculty and Students per year : **21%**

Rare Books, Manuscripts and Special Reports

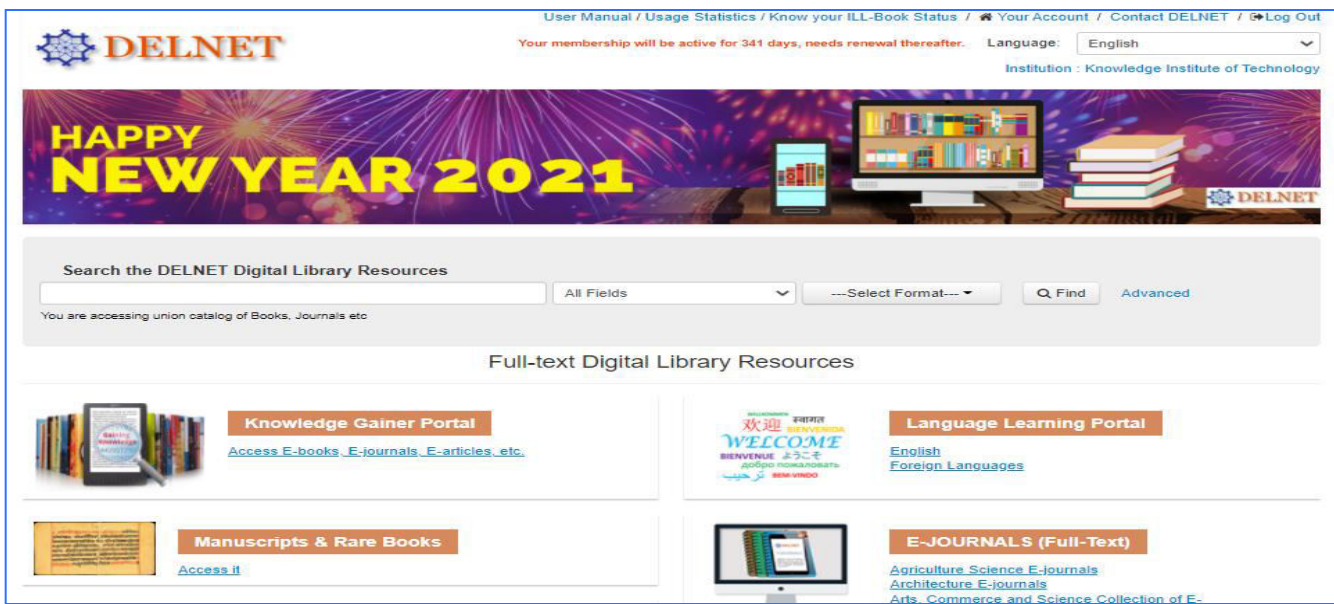
S. No	Particulars	Details
1.	No. of Rare Books available @ DELNET	1250
2.	No. of Manuscripts available @ NDL	1050
3.	No. of Rare Books available (Hard copy)	250
4.	No. of Special Reports available	41



Access E-Journals

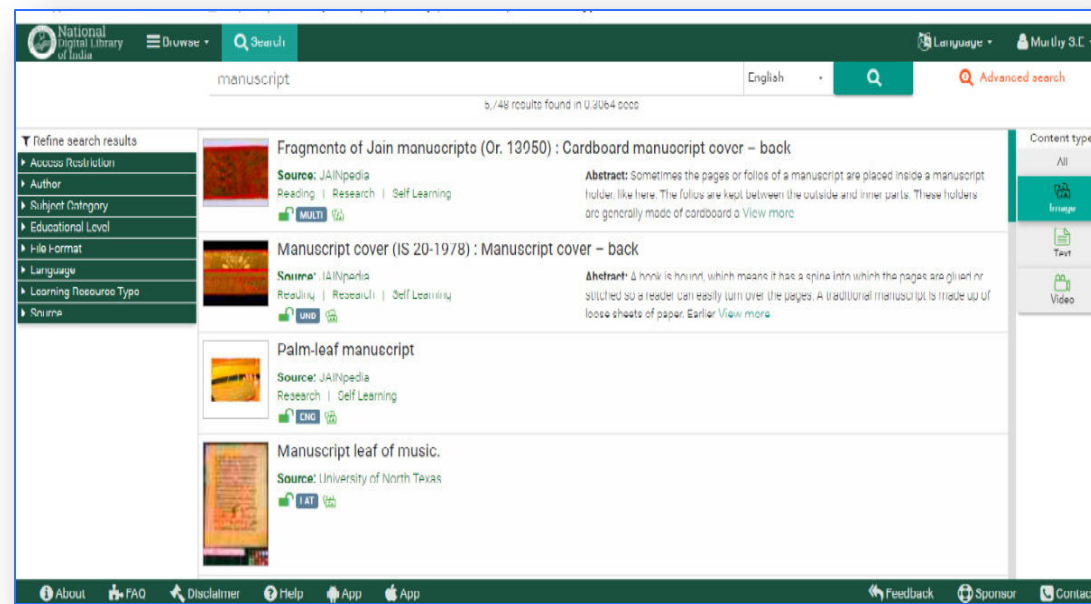
Engineering & Technology (400)	
Automobile Engineering (12)	Chemical Engineering & Technology (36)
Computer Science (114)	Construction (11)
Electrical and Nuclear Engineering (30)	Electronics & Communication Engineering (17)
General & Civil Engineering (49)	Hydraulic Engineering (9)
Industrial Engineering (16)	Manufactures (7)
Materials (18)	Mechanical Engineering (25)
Military Sciences (5)	Mining and Metallurgy (5)
Technology (General) (34)	Transportation (12)
Engineering & Technology: only TOC	

E- Journals @ DELNET



The screenshot shows the DELNET home page with a 'HAPPY NEW YEAR 2021' banner. Below the banner is a search bar for 'Search the DELNET Digital Library Resources'. Underneath, there are four featured portals: 'Knowledge Gainer Portal' (Access E-books, E-journals, E-articles, etc.), 'Language Learning Portal' (English, Foreign Languages), 'Manuscripts & Rare Books' (Access it), and 'E-JOURNALS (Full-Text)' (Agriculture Science E-journals, Architecture E-journals, Arts, Commerce and Science Collection of E-).

Rare Books @ DELNET



The screenshot shows search results for 'manuscript' on the National Digital Library of India (NDL) website. The search returned 5,748 results. The results list includes: 'Fragments of Jain manuscript (Or. 13950) : Cardboard manuscript cover – back', 'Manuscript cover (IS 20-1978) : Manuscript cover – back', 'Palm-leaf manuscript', and 'Manuscript leaf of music.' Each result includes a thumbnail, source, and abstract.

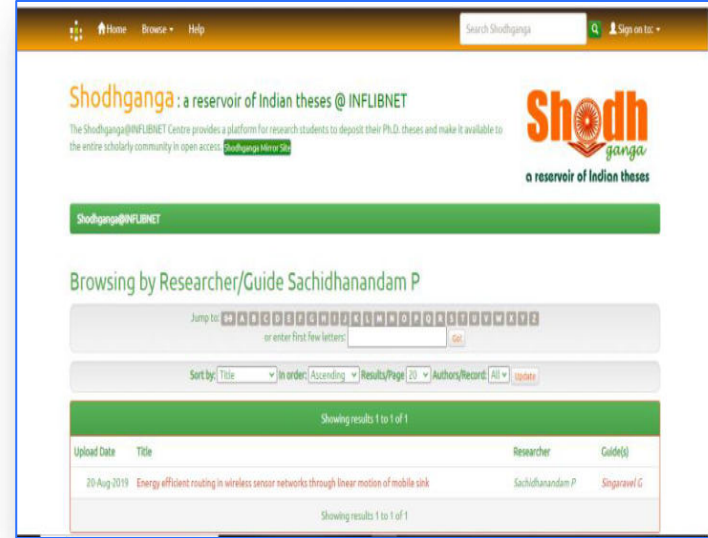
Manuscripts @ NDL

S. No	List of e-Resources
1	e - Journals
2	e - Shodhsindhu
3	Shodhganga Membership
4	Databases
5	e - Books

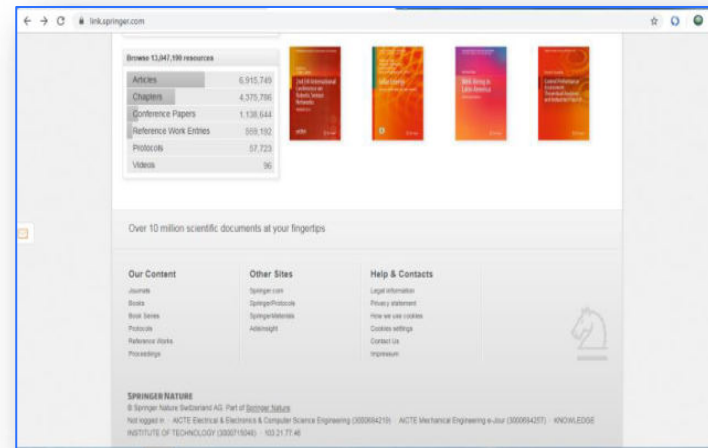
DIGIMAT Resources

NPTEL Videos	78400+
Spoken Tutorial	700+
Khan Academy	10000+
Interactive Simulations	150+
Engineering Simulations	120+

Campus wide e-Resource access through Wi-Fi



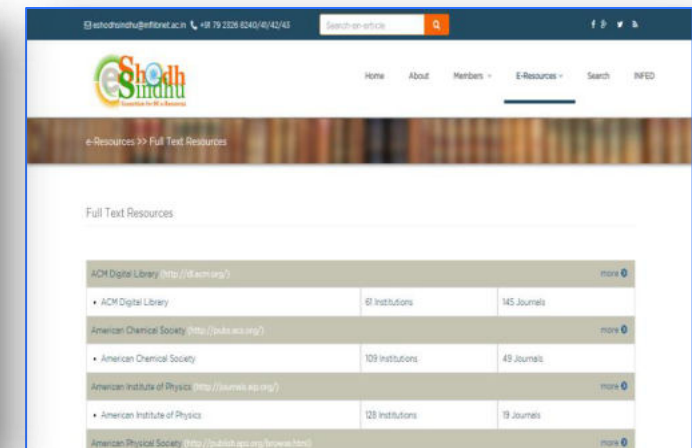
Shodhganga Membership



E-Journals



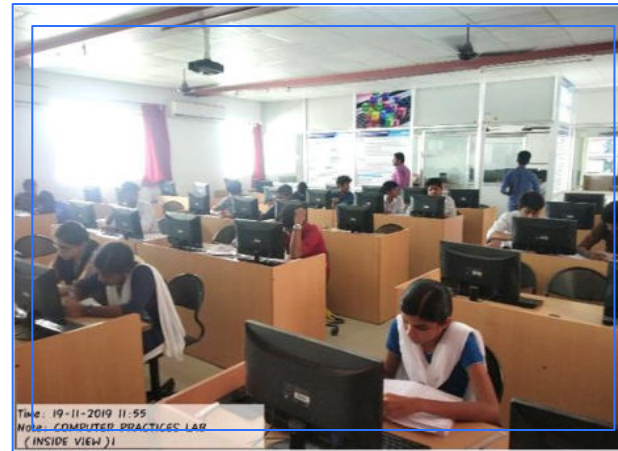
DIGIMAT



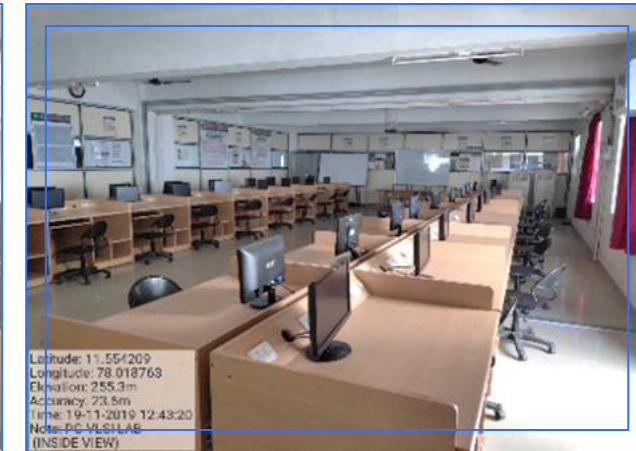
E-Shodhsindhu

Computational Facilities

S. No	Facility	Quantity	Value in (Rs. Lakh)
1.	Number of Computers	900	159.73
2.	Number of Servers	10	4.97
3.	Number of Laptops	63	13.78
4.	Number of Projectors	70	22.89
5.	Number of Printers	75	6.28
6.	Number of Scanners	13	1.00



Computer Practices Laboratory



PG VLSI Laboratory



Server Facility



UPS Facility



IOT Laboratory



MTLG Laboratory

Smart Classroom, Internet Bandwidth

S. No.	Facility	Quantity	Value in (Rs. Lakh)
1.	Number of Smart Classrooms	5	6.51
2.	Wi-Fi (Digisol, D-Link Router)	12	0.70

Facilities : Sony Video Camera HXR, Handycam, PA Wireless Amplifier, Raptor – Interactive White Board



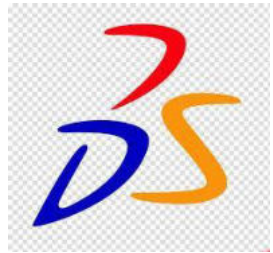
Smart Classroom

S. No	Service Providers	Bandwidth
1.	Readylink	50 Mbps
2.	Minnal Electronics	50 Mbps
3.	BSNL	2 Mbps
Total Bandwidth Available		102 Mbps

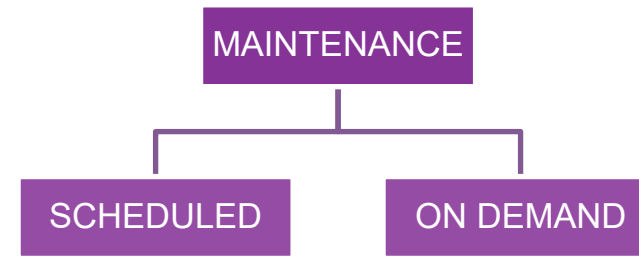
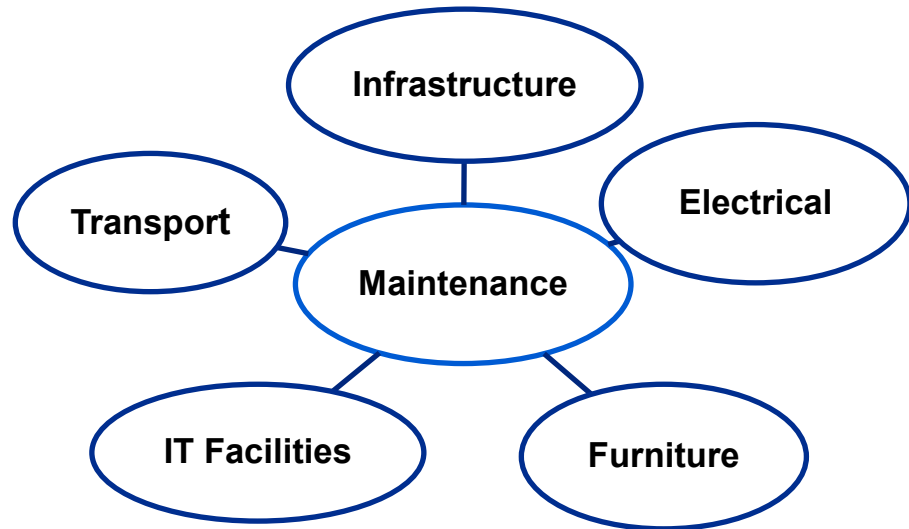


Smart Classroom

Software Availability



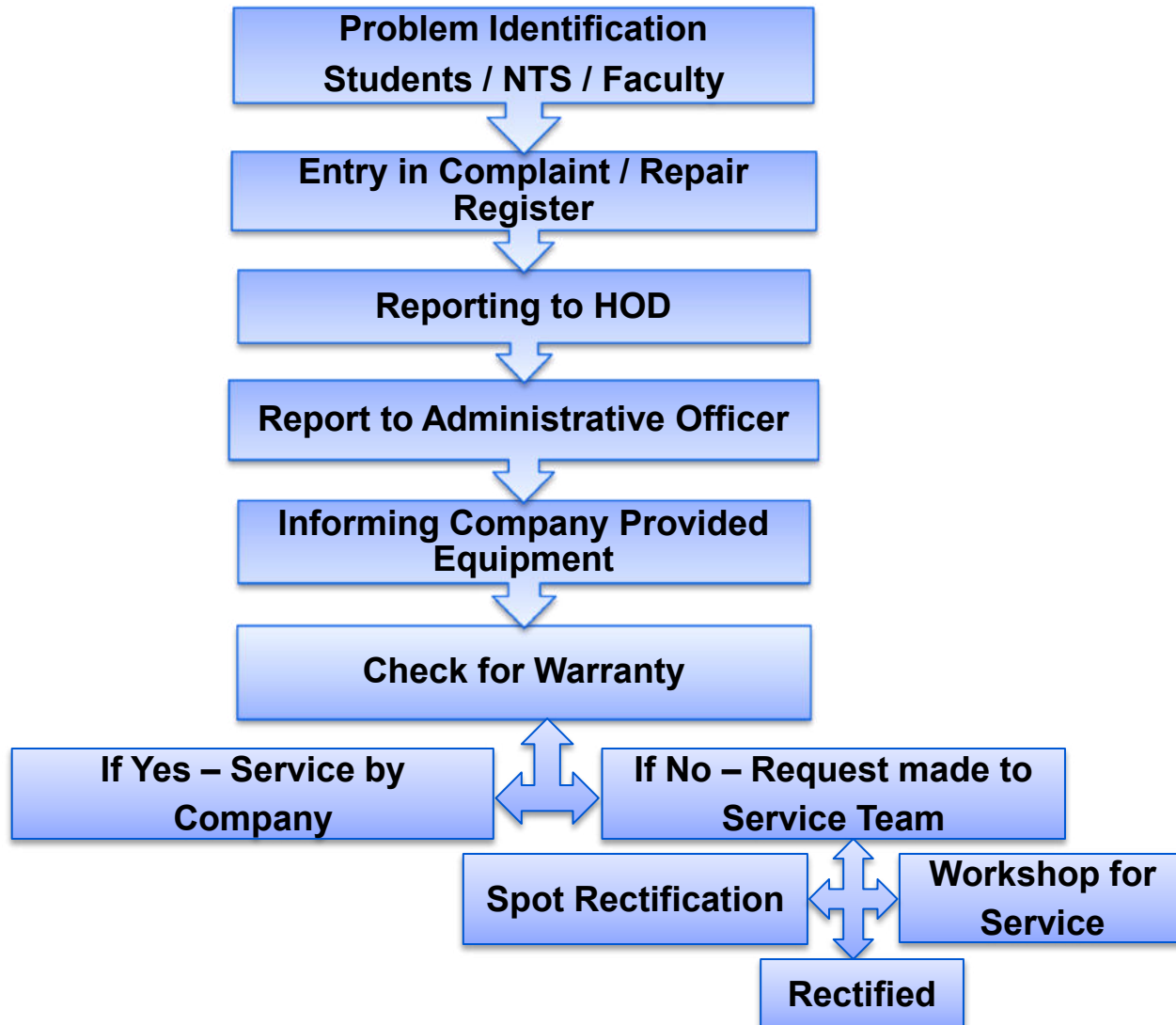
S. No.	Name of the Software
1.	Microsoft Campus License
2.	Oracle
3.	IBM Rational Rose
4.	MATLAB
5.	STAADPRO
6.	Think 3 Design
7.	Ansys 13
8.	CATIA –V6
9.	NX Design Academic 1 & 2
10.	Solid Works Education Edition Networks
11.	ARCGIS 10.3.1
12.	Team Center
13.	ORACD
14.	Mentor Graphics HEP-C1 & C2
15.	NI Academic Site Lab View



Service Team	No. of Persons
House Keeping	10
Plumber	1
Electrician	2
Scavenger	4
Gardener	1

S. NO.	NAME OF COMMON UTILITY	PROPOSED MAINTENANCE SCHEDULE <small>(Daily/Weekly/Fortnight/Monthly/ 3 months/6 Months/Yearly)</small>
Electrical Maintenance		
1	Air Conditioner	3 Months
2	Audio Amplifier / Speaker / Cable	Monthly
3	Intercom	Monthly
4	UPS / Invertor / Battery	3 Months
5	Fan / Light / Switch board	Monthly
6	LIFT / Elevator	Monthly
7	Lab - Distilled Water Unit	Monthly
8	Black Board / Chalk Stand	6 Months
9	Water Doctor	Monthly

ON DEMAND MAINTENANCE PROCEDURE



Expenditure On Maintenance of Physical Facilities

Financial Year	Expenditure on Maintenance of Academics (Rs. Lakh)	Expenditure on Green Initiatives and Waste Management (Rs. Lakh)	Expenditure on Transport (Rs. Lakh)
2018-2019	16.26	3.31	157.00
2017-2018	18.82	2.72	142.00
2016-2017	41.80	4.23	155.00
2015-2016	24.80	6.60	129.00
2014-2015	3.80	18.72	73.31