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DETAILS OF WI-FI CAMPUS, NDLI CLUB MEMBERSHIP, A DIGITAL LIBRARY, E-BOOKS, E-JOURNALS, E-DATA BASES, NPTEL CHAPTER, DELNET, DSPACE



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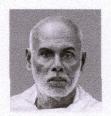
Details of Wired Network and Internet Connectivity

The IT infrastructure facility at Sree Narayana Guru College of Engineering and Technology is adequately equipped. The institution regularly upgrades its information technology infrastructure, encompassing wireless fidelity, computer systems, and other equipment pertinent to information technology.

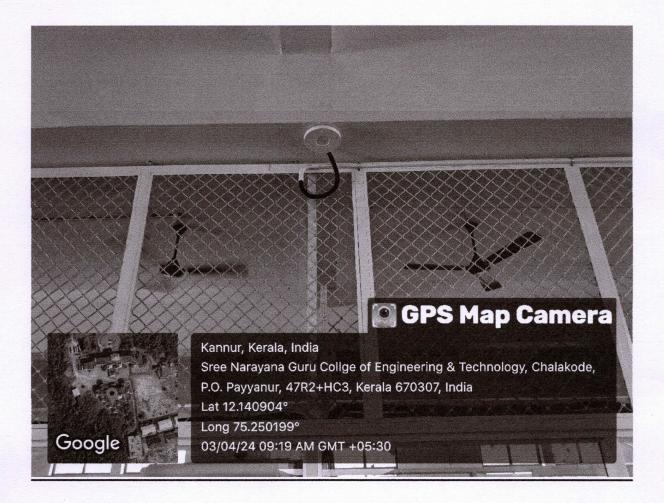
- The establishment comprises of a Wired Network, specifically the SNGCET star topology, and a Wi-Fi Network, denoted as SNG Campus. The educational institution possesses a pair of FTTH internet connections, namely BSNL-300Mbps
- The educational institution is outfitted with a total of one distinct server. The aforementioned servers have been configured with RAID5.
- The provision of Wi-Fi is facilitated through the utilisation of a Omeda controller in conjunction with access points from Digisol, and TP Link.
- 6 numbers of TP-Link AX1800 WIFI 6 access Points and one Omeda Controller in the college
- The management of the wired network involves the utilisation of a total of 45 network switches.



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Wi-Fi











This is to certify that "Sree Narayana Guru College of Engineering and Technology" is registered as a NDLI Club under the National DigitalLibrary of India.

NDLI CLUB PARTNER

National Digital Library of India

- LEARN, SHARE, GROW,

Registration No.: INKLNC485J7ADWV

Date of Registration: 14/07/2021

Validity Extended Upto: 14/07/2024

Prof. K. P. Sinhamahapatra

Joint Principal Investigator National Digital Library of India Project

Chairman Central Library IIT Kharagpur

Kalyan Fruha

Dr. B. Sutradhar

Joint Principal Investigator National Digital Library of India Project

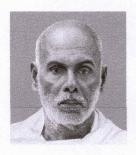
Librarian

Central Library IIT Kharagpur





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Digital Library

Specification of Library Automation Software

Desktop Application and Web Application

- > Modules
- ➤ Database/Technical processing/Cataloguing module
- ➤ Circulation/Counter transaction /Issue and return module
- Acquisition control module
- > Serial control module
- > Administration module
- > OPAC (search) module
- > Reports module
- > Article indexing module
- > Digital library resources cataloguing module
- > Technical Information Specification

1. Client Server Application

- Front End Microsoft Visual Basic
- Back End Microsoft SOL Server 7.0 and Above
- Version Multi-user, LAN
- User/Client License 5 users (Client can increase the license)

2. Online Application (BookMagic Web Edition and Web OPAC)

- Front End Microsoft ASP.Net, C#
- Back End Microsoft SQL Server 2005 and Above
- User/Client License Unlimited user

3. Highlights of Library Automation Software

- Client Server and Online versions available
- Fully Integrated, multi-user, user friendly, versatile
- Facility for importing and exporting records in MARC 21 format
- Supports Z39.50 protocol for searching and retrieving information from remote computer databases.
- Export and import of data in ISO 2709 format using MARC tags



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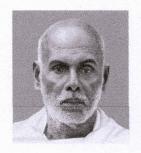
Est. 2003

- Integrated with RFID, Interface to barcode devices such as scanners, printers and data capturing unit.
- Able to generate and print bar code labels and members.
- Support TCP/IP protocol for networking
- Web based and multi-user interface for OPAC
- Web module can be used to search on the internet/intranet (for Client Server Version)
- Latest IT/Web tools and techniques
- Handle more than 1000,000 of records easily
- Instant retrieval of data
- Concurrent access of data by many users
- Online stock verification support
- Search facility including Key word search, logical search and sounding word search
- Search the library services on the campus intranet using browsers
- Cataloguing per international standards
- Display of records in international formats like MARC
- Easy, flexible and efficient circulation system
- Overdue reminder
- Easy recording of data
- Cataloguing the digital resources as per international standard of Dublin Core Standard
- Separate database creation and maintenance for books, book banks, journal articles, back volumes, thesis, reports, standard codes, non-book materials etc.
- Book ordering and serial control/tracking the stock right from identification of book or item to ordering, receipts and payments etc.
- Provisions for changing semesters, year-outs, pass outs, issuing of NLC etc.
- Daily statistics report for the Librarian regarding all the events in the library of sorting and printing various reports in any desired order and export into different file formats like word, excel and HTML etc.,

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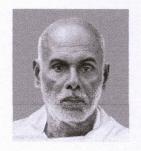


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- Able to generate more than 300 reports
- Complete transaction reports from web counter
- Global update of field values, due date, cards etc.,
- Flexible in fixing due date, over due charge eligible cards etc.,
- Database security, automatic or manual backup and recovery, export and import
- Able to browse scanned contents, pages of journal issues/books with respective records.
- Create, edit, update, maintain etc. the database such as book, thesis, proceedings, standards, reports, journals, journal issues, journal articles, back volumes, non bookmaterials, patents, news paper clippings, images, authors, publishers, suppliers, subjects, members, departments, courses, groups etc.
- All types of counter transactions for books, book bank books, journal issues, back volumes, standards, reports thesis, non books etc., such as issue, return renewal, recall, reservation, reservation cancel, reminders, overdue reports, receipts, nonliability certificates, generating and printing interface to barcode systems etc.
- Book ordering and processing such as checking for duplicates, indent, proposal approval, processing, receipt of documents and invoice processing, order follow up, payment, budget control, transfer the processed details to book database, printing bar code labels, vendor information etc.,
- Subscription of journals such as creation and maintenance of journal master, proposal and approval of journals, subscription and periodical renewal of journals, invoice processing, payment, Budget control, receipt of issues, claiming missing issues or replacements, searching/browsing issues, indexing and abstracting of journal, articles, information regarding back volumes, bladdery etc.,
- Administration like create, delete user log in ID, password, grant rights to access various modules, to set due date, to set allowed cards for different documents for different categories of users, to set over due charge at



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Est. 2003

various stages, conduct on library stock verification, maintain budget, update database globally using various fields etc.,

- Generate and print reports such as list of books by author, title, publisher, call subject. accession number. number, availability. Books issued/renewed/returned/reserved on daily/weekly/monthly/between dates with details, alert service of new additions details of amount spent under various subjects/departments/year etc., list of journals Indian, foreign, list of member department wise, course wise etc., details of books for binding, unserviceable, missing etc., catalogues, list of publishers, suppliers, various counter transaction reports, list of over due charge paid by users with details of books with issue date due date number of days of due etc..
- OPAC of simple search, advanced search, query builder, restricted search, and dictionary based search for all the important databases using all the important fields and print search results in any desired order, etc.,
- Web module (web Opac) to search various database using browsers like internet explorer on LAN/Intranet/Internet environment, user statistics, issue details, online reservation, down loading and printing searching results etc..
- Web OPAC has features such as New Arrivals, important library News and events and Online Library Notice board (for Important Notices, Rules & Regulations and Membership procedures.).
- Search based on more than ten fields
- Extensive printer support
- Icons, tool bars, scroll bars etc. as GUI
- Automatic backup
- Replication of data in backup server
- Module/Form level security for different user categories.
- User ID and password for various modules
- Online help and user manual
- High Security for Library Data
- Local Service Easily Available

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SNGCET DIGITAL LIBRARY



Collections in this community

- Facilities
- · Journals at a Glance
- · Rules

Recent Submissions

SNGCET Library Facilities

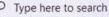
Unknown author (2019)

List of Journals

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Activate Windows



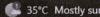
















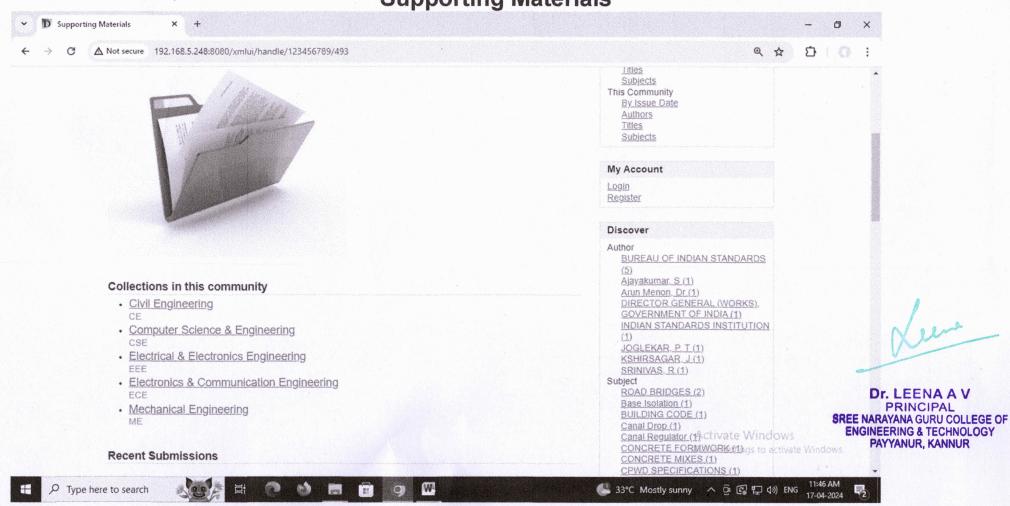




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Supporting Materials

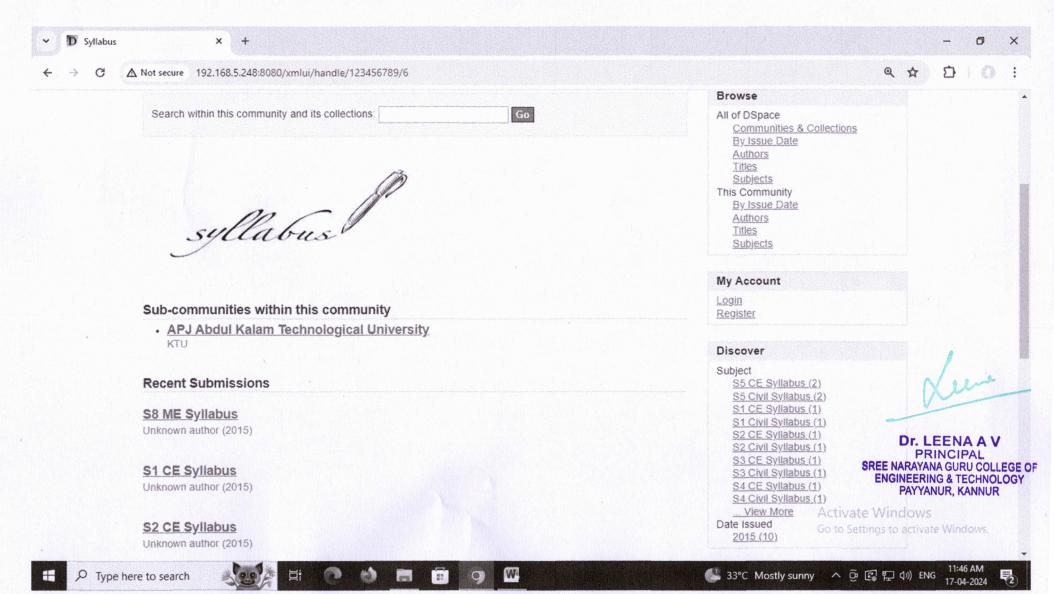




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Syllabus

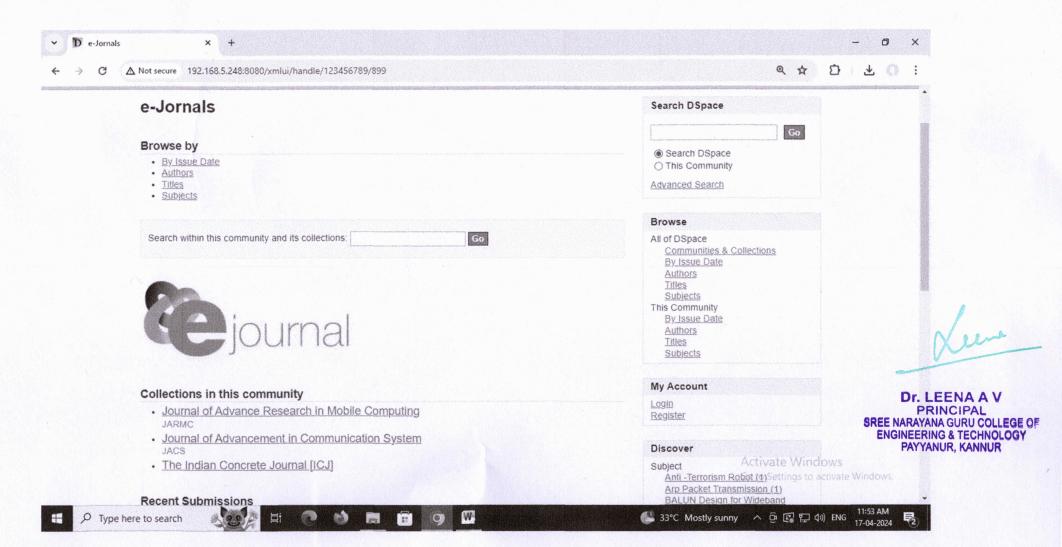




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e-Jornals

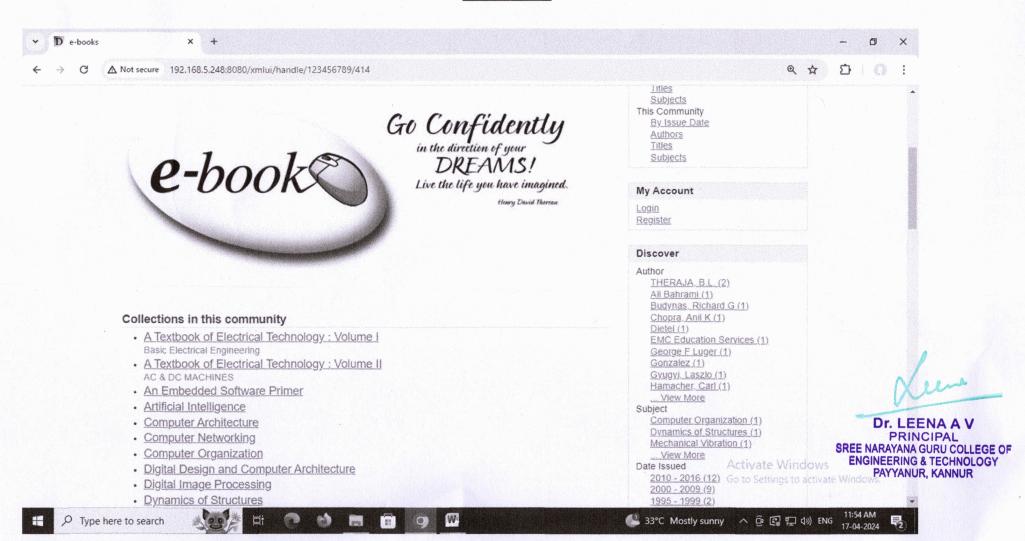




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e-books

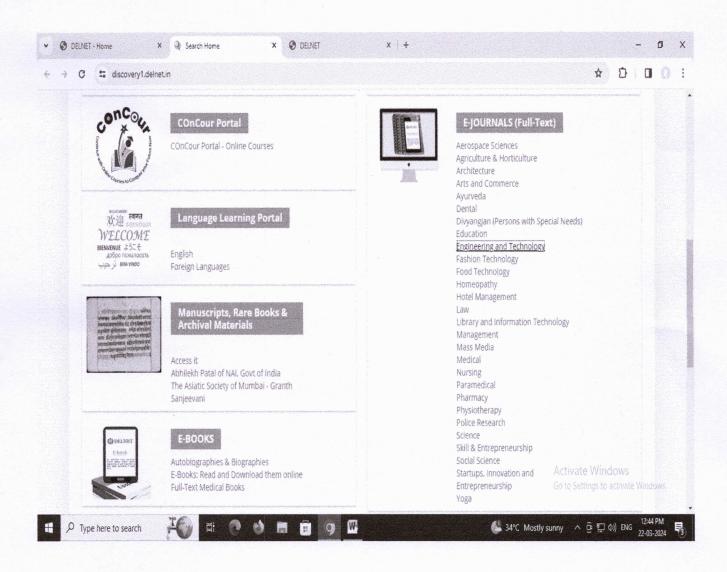




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E-journals and E-books



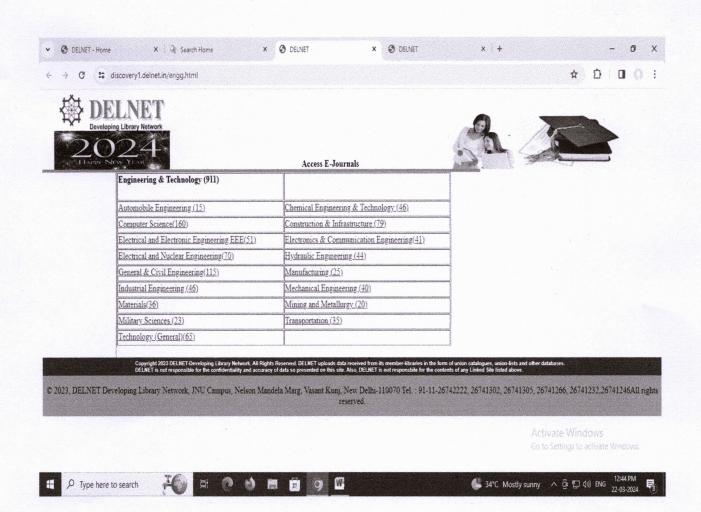
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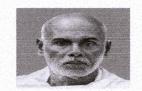
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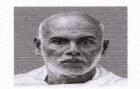




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Sl. No.	Journal Name
51. INU.	Journal Name
1	Acta Mechanica
2	Applied Composite Materials
3	Artificial Intelligence for Engineering Design, Analysis and Manufacturing : AI EDAM
4	Assembly Automation
5.	Autonomous Robots
6	Biomechanics and Modeling in Mechanobiology
7	Circuit World
8	Circuits, Systems, and Signal Processing
9	Cybernetics and Systems Analysis
10	Empirical Software Engineering
11	Engineering Management Journal
12	European Journal of Applied Mathematics
13	Flexible Services and Manufacturing Journal
14	IET Circuits, Devices & Systems
15	IET Communications
16	IET Computer Vision
17	IET Electric Power Applications

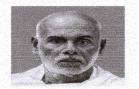




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18	IET Generation, Transmission & Distribution
19	IET Image Processing
20	IET Information Security
21	IET Microwaves, Antennas & Propagation
22	IET Optoelectronics
23	IET Radar, Sonar & Navigation
24	IET Renewable Power Generation
25	IET Science, Measurement & Technology
26	IET Signal Processing
27	IIE Annual Conference. Proceedings
28	i-Manager's Journal on Civil Engineering
29	i-Manager's Journal on Electrical Engineering
30	i-Manager's Journal on Electronics Engineering
31	i-Manager's Journal on Embedded Systems
32	i-Manager's Journal on Future Engineering and Technology
33	i-Manager's Journal on Mechanical Engineering
34	i-Manager's Journal on Structural Engineering
35	Industrial Lubrication and Tribology
36	International Journal of Applied Mathematics and Computer Science





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37	International Journal of Electrical Engineering & Education
38	International Journal of Mechanical Engineering Education
39	International Journal of Microwave and Wireless Technologies
40	International Journal of Numerical Methods for Heat & Fluid Flow
41	International Journal of Structural Integrity
42	International Journal of Vehicle Structures & Systems
43	International Journal on Civil and Environmental Engineering
44	International Journal on Manufacturing and Material Science
45	International Journal on Production and Industrial Engineering
46	International Polymer Science and Technology
47	IUP Journal of Electrical and Electronics Engineering
48	IUP Journal of Mechanical Engineering
49	IUP Journal of Structural Engineering
50	Journal of Electronic Testing : (JETTA)
51	Journal of Engineering Education
52	Journal of Engineering Technology
53	Journal of Engineering, Design and Technology
54	Journal of Fluid Mechanics
55	Journal of Hydrology and Hydromechanics





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56	Journal of Materials Research
57	Journal of Materials Science : Materials in Medicine
58	Journal of Materials Science. Materials in Electronics
59	Journal of Mechanical Science and Technology
60	Journal of Mechanics
61	Journal of Quality in Maintenance Engineering
62	Lighting Research and Technology
63	Mathematics of Control, Signals, and Systems
64	Mechanics & Industry
65	Micro & Nano Letters
66	Microfluidics and Nanofluidics
67	MRS Bulletin
68	MRS Communications
69	Nanoethics
70	Physical and Numerical Simulation of Geotechnical Engineering
71	Powder Diffraction
72	Progress in Rubber, Plastics and Recycling Technology
73	Rapid Prototyping Journal
74	Research Journal of Engineering and Technology





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75	Sensing and Imaging
76	Sensor Review
77	Sensors & Transducers
78	SIAM Journal on Computing
79	SIAM Journal on Imaging Sciences
80	Stochastic Environmental Research and Risk Assessment
81	Theoretical and Computational Fluid Dynamics
82	Transactions of the Institute of Measurement and Control
83	Tribology & Lubrication Technology



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"ONE MORE STEP AHEAD"



SNGCET-NPTEL LOCAL CHAPTER-REGISTERED

CHAPTER ID-5734



Mrs. Haritha M V Asst. Prof CSE SPOC

NPTEL > Local Chapter Details on SWAYAM-NPTEL Local Chapter List of SWAYAM-NPTEL Local Chapter Rating of Local Chapter a sree narayana guru college of College Name Address State SPOC Name Co-ordinated by Dr. LEENA A V PRINCIPAL SKEE NARAYAN GURU COLLEGE OF ENGINEERING SREE NARAYANA GURU COLLEGE OF AND TECHNOLOGY, P.O CHALAKODE, PAYYANUR 670307, KANNUR DIST, KERALA STATE KANNUR-670307 HARTSREE NARAYANA GURU COLLEGE OF 5734 KERALA ENGINEERING AND TECHNOLOGY ENGINEERING & TECHNOLOGY PAYYANUR, KANNUR

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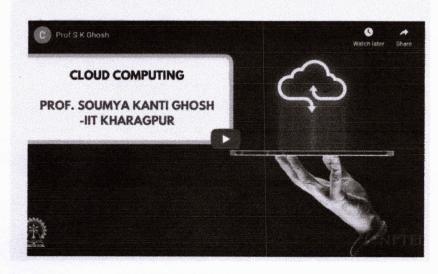
Cloud Computing

ABOUT THE COURSE :

ABOUT THE COURSE:
Cloud comparing is a scatable services consumption and defivery platform that provides on-demand computing service for shared pool of resources, namely servers, storage, networking, software, database, applications etc., over the Internet, h is a model for enabling ubiquidous, on-demand access to a shared pool of configurable computing resources, which can be rapidly provisioned and released with minimal management effort. This course will introduce various appects of cloud comparing, including fundamentals, management isosues, security challenges and future research trends. This will belp students (both UG and PG levels) and researchers to use and explore the cloud computing platforms.

INTENDED AUDIENCE : CSE,ECE,EE

PREREQUISITES (Basins of Computer Architecture and Organization, Networking INDUSTRY SUPPORT : IT industries



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NPTEL + Cloud Computing

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Date enrolled 2024-01-21

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Unit wise Progress		
Unit	Lesson Progress	Assignments Progress
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Week 6: Assignment 5:	100.0
Week 7: Assignment 7:	85.0
Week 8: Assignment 9:	160.0

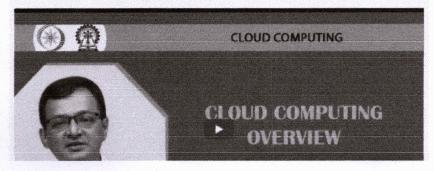
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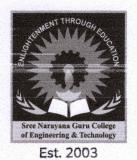


Lecture 1: Cloud Computing - Overview

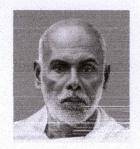


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Delnet Home page

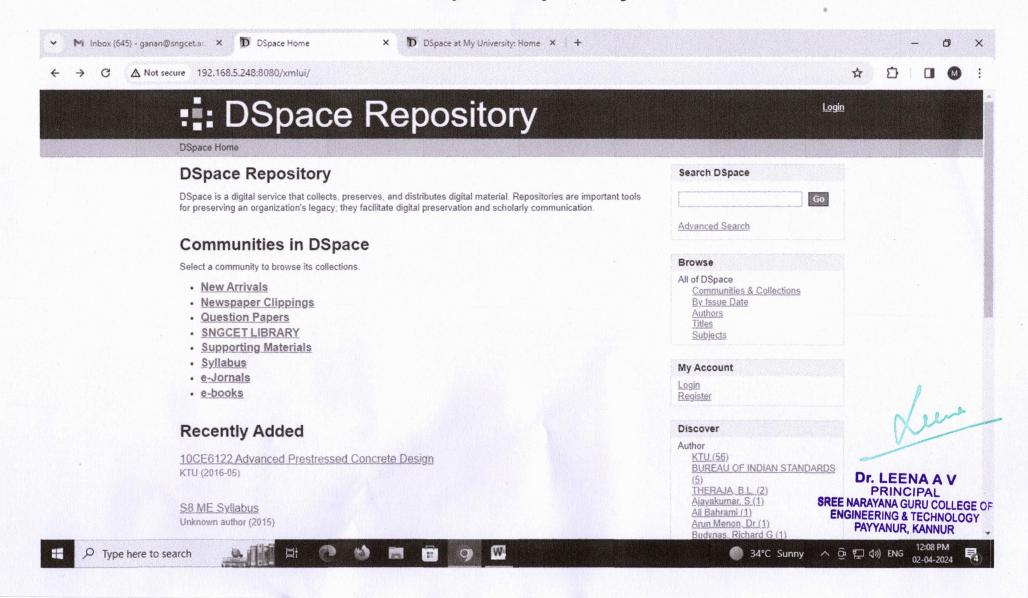
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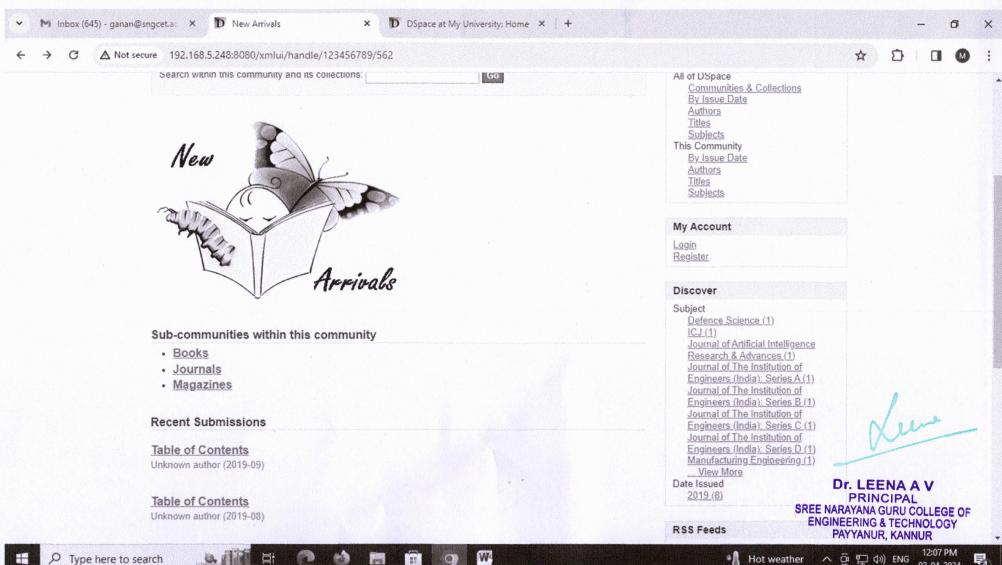




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New Arrivals



























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