



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**

[Approved by AICTE, Affiliated to Anna University and Accredited by NAAC & NBA (CSE, ECE & MECH)]

Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304

**Website: [www.shanmugha.edu.in](http://www.shanmugha.edu.in) Contact Number: 04283-262901**

# **Criteria 2**

## **Teaching - Learning and Evaluation**



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## 2.3 Teaching- Learning Process



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## 2.3.2. Teachers use ICT enabled tools for effective teaching-learning process



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## 1. ICT Enabled Tools and Resources available in the Institute



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#### 2.3.2 Percentage of Teachers using ICT for effective teaching with Learning Management Systems (LMS), E-Learning resources etc.

Number of Teachers using ICT (LMS, e-Resources)	Number of Teachers on Roll	ICT Tools and resources available	Number of ICT enabled class rooms	Number of Smart class room	e-Resources and Techniques used
69	69	<ul style="list-style-type: none"><li>1. Day light LCD Projector</li><li>2. Hi-end computer systems with internet connection</li><li>3. Audio system</li><li>4. A-View (Video Conferencing)</li><li>5. Smart/Interactive Board</li><li>6. Head Sets</li><li>7. Slide Projectors</li><li>8. Printers</li><li>9. Scanners</li><li>10. Laptops</li><li>11. OHP Projectors</li></ul>	17	01	<p><b>e-Resources:</b></p> <ul style="list-style-type: none"><li>1.e-Books</li><li>2.e-Journals</li><li>3. e-Patents</li><li>4. e-Theses</li><li>5. Open assess Institutional Repositories</li><li>6. Plagiarism Detection Software</li><li>7. CD-Roms</li><li>8. LMS</li><li>9. DELNET</li><li>10. NDLI</li><li>11. EGyanKosh- Electronic Gyan (knowledge) and Kosh</li><li>12. NPTEL</li><li>13. Swayam Prabha</li><li>14. Shodhganga and ShodhGangotri</li><li>15. Amrita Virtual Lab</li><li>16. MOOCs</li><li>17. You Tube Video Lectures</li><li>18. Swayam Prabha</li></ul> <p><b>Techniques used-</b></p> <ul style="list-style-type: none"><li>1.Remote access</li><li>2.PPTs</li><li>3.Digital Library</li><li>4. Periodic visit to Library</li><li>5. Academic Scheduling</li></ul>

  
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## **ICT Enabled Class Rooms and Laboratories (Geotagged Photos)**



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### ICT Enabled Class Rooms and Laboratories



  
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## 2. Certificate for the Number of Teachers using ICT enabled Tools



# Sri Shanmuga College of Engineering and Technology

Pullipalayam, Morur (Po), Sankari (Tk), Salem (Dt), Pin - 637 304, Tamilnadu. Ph : 04283-262999, 998, 997 Fax : 04283-261799

(Approved by AICTE, New Delhi and Affiliated to Anna University)

Accredited by NAAC



Dr.R.Radhakrishnan, M.E., Ph.D.

Principal

Date: 31.05.2019

## CERTIFICATE

This is to certify that ICT enabled tools are being used effectively by all the faculty members of our Institution.

Head of the Institution

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## Total number of full time Teachers in the Institution (On Roll)

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Website: [www.shanmuga.edu.in](http://www.shanmuga.edu.in) Contact Number: 04283-262901**FACULTY LIST FOR THE ACADEMIC YEAR 2018-19**

S.NO	NAME OF THE FACULTY MEMBER	DESIGNATION
<b>DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (PG) (M.E - CSE)</b>		
1	Dr.S.Selvarajan	Professor
2	Mrs.S.Jagatheeswari	Assistant Professor
3	Mr.P.Kameshkumar	Assistant Professor
<b>DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (UG)</b>		
4	Dr.G.Kavitha	Professor
5	Dr.S.Markkandeyan	Professor
6	Dr.B.Shobhana	Associate Professor
7	Ms.P.Keerthana	Assistant Professor
8	Mr.M.Balamurugan	Assistant Professor
9	Mrs.S.Kiruthika	Assistant Professor
10	Mr.S.Nagaraj	Assistant Professor
11	Mr.U.Muthaiah	Assistant Professor
12	Mrs.S.Arthi	Assistant Professor
13	Mrs.M.Agalya	Assistant Professor
<b>DEPARTMENT OF AGRICULTURE ENGINEERING</b>		
14	Dr.J.Jayabharathi	Professor
15	Dr.S.Janapriya	Associate professor
16	Dr.P.Devasenapathy	Associate professor
17	Mr.A.Murugananth	Assistant Professor
18	Mr.N.Thiagarajan	Assistant Professor
19	Mr.V.Ganaprkash	Assistant Professor
20	Mr.E.Selvam	Assistant Professor
21	Mr.S.Anand	Assistant Professor
22	Mr.V.Silambarasan	Assistant Professor
<b>DEPARTMENT OF CIVIL ENGINEERING</b>		
23	Dr.R.Balamurugan	Professor
24	Mr.P.Ramalingam	Associate Professor
25	Mr.K. Parivallal	Associate Professor
26	Mr.D.Logachandran	Assistant Professor
27	Mr.K.Mohan	Assistant Professor
28	Ms.M.Chitra	Assistant Professor
29	Ms.S.Chitra	Assistant Professor
30	Ms.R.Banupriya	Assistant Professor
31	Ms. Deepavani	Assistant Professor
32	Mr. P.Sethupathi	Assistant Professor

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DEPARTMENT OF SCIENCE AND HUMANITIES		
Department of Physics		
33	Dr.K.Boobalan	Associate Professor
34	Dr.K.Kumar	Associate Professor
35	Mrs.S.Priyatharshni	Assistant Professor
Department of Mathematics		
36	Mrs.K.Janagi	Professor
37	Mr.T.Aasaithambi	Associate Professor
38	Ms.S.Manimala	Assistant Professor
39	Mr.S.Senthilkumar	Assistant Professor
40	Mrs.M.Dhanalakshmi	Assistant Professor
41	Mrs.A.Nithya	Assistant Professor
42	Mrs.K.Meenambika	Assistant Professor
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING		
43	DR.R.Radhakrishnan	Professor
44	Dr.B.Maruthi Shankar	Associate Professor
45	Mrs.B.Suganya	Associate Professor
46	Ms.T.Yamuna Devi	Assistant Professor
47	Mr.P.Sathishkumar	Assistant Professor
48	Mr.M.Balaji	Assistant Professor
49	Mr.S.Sri Ram	Assistant Professor
50	Mr.G.Senthilmurugan	Assistant Professor
51	Mr.A.Imtiyas	Assistant Professor
DEPARTMENT OF SCIENCE AND HUMANITIES		
Department of English		
52	Mr.A.Ramesh	Assistant Professor
53	Mrs.P.Geethamani	Assistant Professor
GENERAL ENGINEERING		
54	Mr.M.Dineshkumar	Assistant Professor
55	Mr.S.Karthicrajakumar	Assistant Professor
56	Mr.S.K.RagulVijayan	Assistant Professor
57	Mr.S.M.Senthil	Assistant Professor
DEPARTMENT OF MECHANICAL ENGINEERING		
58	Dr.N.Sundaramoorthy	Professor
59	Dr.T.Manivannan	Associate Professor
60	Mr.L.Prabu	Associate Professor
61	Mr.E.Gopinath	Assistant Professor
62	Mr.R.Boopathi	Assistant Professor
63	Mr.N.Mugilarasan	Assistant Professor
64	Mr.M.Goudilyan	Assistant Professor
65	Mr.V.Nivash	Assistant Professor
66	Mr.M.Kandasamy	Assistant Professor
DEPARTMENT OF SCIENCE AND HUMANITIES		
Department of Chemistry		
67	Dr.P.Sivakumar	Associate Professor
68	Dr.K.Ganesh	Assistant Professor
69	Mrs.K.Nirosha	Assistant Professor



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### 3. E-Resources and Techniques



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# Digital Libraries



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## E-Resources

### 1. E-Databases:

**DELNET (Developing Library Network)** (To access: <http://164.100.247.26/>)

#### The Objectives of DELNET:

- To promote sharing of resources among the libraries by developing a network of libraries, by collecting, storing and disseminating information and by offering computerized services to the users
- To undertake scientific research in the area of Information Science and Technology, create new systems in the field, apply the results of research and publish them
- To offer technical guidance to the member-libraries on collecting, storing, sharing and disseminating information
- To coordinate efforts for suitable collection development and reduce unnecessary duplication wherever possible
- To establish/facilitate the establishment of referral and /or research centers, and maintain a central online union catalogue of books, serials and non-book materials of all the participating libraries
- To facilitate and promote delivery of documents manually or mechanically
- To develop specialized bibliographic database of books, serials and non-book materials
- To develop databases of projects, specialists and institutions
- To possess and maintain electronic and mechanical equipment for speedy communication of information and delivery of electronic mail.
- To coordinate with other regional, national and international networks and libraries for exchange of information and documents.



Search the DELNET Digital Library Resources

All Fields

Selected Format -

Q Field Advanced

You are accessing union catalog of Books, Journals etc

#### Full-text Digital Library Resources



##### Knowledge Gateway Portal

Access E-books, E-journals, E-articles etc.



##### Language Learning Portal

English  
Foreign Languages

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### National Digital Library of India (NDLI) (To access: <https://ndl.iitkgp.ac.in/>)

NDLI is a project of the Ministry of Human Resource Development under the aegis of National Mission on Education through Information and Communication Technology (NMEICT) has entrusted IIT Kharagpur to host, coordinate and set-up National Digital Library towards building a national asset.

National Digital Library is a digital library that integrated all existing digitized and digital contents across Institutions of the nation and to provide a single-window access with e-learning facility to the users. NDL provides educational materials in various languages, in all disciplines. To make use of these resources, all faculty members, research scholars and students should register in NDL Portal.

*The main objective of the digital library is to make quality digital educational resources available to all citizens of the country to empower, inspire and encourage learning.*

The screenshot shows the homepage of the National Digital Library of India (NDLI). At the top, there is a header with the college logo, name, and contact information. Below the header, a main banner features a green and yellow abstract design with text about the repository's subject domains. To the left, a sidebar lists navigation links: About NDL India, Learning Resource Type, Subject Domain, Featured Sources, and News and Events. The right side includes sections for Activity Area, MHRD (Ministry of Human Resource Development) logo, IIT Kharagpur logo, and a search bar. At the bottom, there are links for About, Bulk Registration, NDL India Video YouTube Link, and Feedback.

  
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### EGyanKosh-Electronic Gyan (knowledge) and Kosh

(To Access <http://egyankosh.ac.in/>)

A National Digital Repository to store, index, preserve, distribute and share the digital learning resources developed by the Open and Distance Learning Institutions in the country. Items in eGyanKosh are protected by copyright, with all rights reserved by IGNOU, unless otherwise indicated.

Study materials, audio video programmes and archives of radio & television-based live interactive sessions Access open to all through one time registration process Approximate 125,000 active registered users of the repository.

The screenshot shows the eGyanKosh interface. At the top, there is a red header bar with several tabs and icons. Below it is a dark blue navigation bar with the eGyanKosh logo, 'Home', 'Browse', 'Help', and a search bar. The main content area has a blue header with the text 'My eGyanKosh'. At the bottom, there are two prominent buttons: 'Start a New Submission' (dark red) and 'View Accepted Submissions' (blue).

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### National Programme on Technology Enhanced Learning (NPTEL)

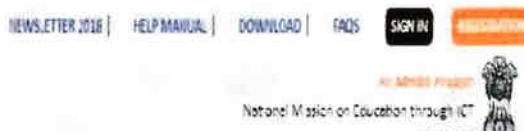
(To learn NPTEL Courses: <https://npTEL.ac.in/>) (To access NPTEL Videos: <http://172.16.250.30/>)

NPTEL Open Course Ware is a Joint Initiative by 7 IITs and IISc, Bangalore Funded by MHRD, Govt. of India. It provides e-learning through online Web and Video courses in Engineering, Sciences, Technology, Management and Humanities.

Six major engineering disciplines covered and 260 courses available in phase-I. Twenty-three disciplines covered and 990 courses available in phase-II.

The main objective of NPTEL is to make learning material available to students of engineering institutions through easier means. The broad aim of the project is to facilitate the competitiveness of Indian industry in the global markets through improving the quality and reach of engineering.

**Swayam Prabha** (To access: <https://www.swayamprabha.gov.in/>)



HOME    ABOUT US    SEARCH    CHANNELS AND ALLOCATION    ARCHIVE VIDEOS    FEEDBACK    CONTACT US

#### ABOUT SWAYAM PRABHA



The SWAYAM PRABHA is a group of 32 DTH channels devoted to telecasting of high-quality educational programmes on 24x7 basis using the GSAT-15 satellite. Every day, there will be new content for at least (4) hours which would be repeated 5 more times in a day, allowing the students to choose the time of their convenience. The channels are uplinked from BISAG, Gandhinagar. The contents are provided by NPTEL, IITs, UGC, CEC, IGNOU, NCERT and NIOS. The INFLIBNET Centre maintains the web portal.

The DTH Channels shall cover the following:

- Higher Education: Curriculum based course contents at post-graduate and under-graduate level covering diverse disciplines such as arts, science, commerce, performing arts, social sciences and humanities, engineering, technology, law, medicine, agriculture, etc. All courses should be certification-ready in their detailed offering through SWAYAM, the platform being developed for offering MOOCs courses.
- School education (9-12 levels); modules for teachers training as well as teaching and learning aids for children of India to help them understand the subjects better and also help them in preparing for competitive examinations for admissions to professional degree programmes.
- Curriculum-based courses that can meet the needs of life-long learners of Indian citizens in India and abroad.
- Aid students (class 11th & 12th) prepare for competitive exams.

  
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### Shodhganga and ShodhGangotri

(To Access Shodhganga: <https://shodhganga.inflibnet.ac.in/>)

(To Access Shodhgangotri: <https://shodhgangotri.inflibnet.ac.in/>)

**Shodhganga: a reservoir of Indian theses** is a national digital repository of theses and dissertations with an intuitive interface which enables submission of electronic version of theses and dissertations by Universities in India and facilitates search, browse and downloading of theses available in the repository. It is maintained by INFLIBNET Centre, Ahmedabad.

Shodhganga provides access to Indian theses and dissertations in open access to world-wide academic community and making visibility of Indian research to other countries. It extends their access to plagiarism detection software to eligible universities.

**Shodhgangotri: Indian research in Progress** is a repository of the synopses and research proposals of the PhD programmes in Indian universities



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## **2. E-Journals**

**Springer Nature – Engineering** (To Access Springer: <https://link.springer.com/>)

Search Results: Springer

link.springer.com/search/facet/content\_type/journal&facet\_value=

Access · Sri Shanmuga Col... · Journal Selection · Springer Nature · Anna University · Springer.com · Cover letters · https://doi.org/10.1007/s13214-023-02081-w · Springer Bazaars

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Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304

Website: [www.shanmuga.edu.in](http://www.shanmuga.edu.in) Contact Number: 04283-262901

### 3. Open Access E – Books

S.No	Name of e-Books database	e-Books database URL
01	Directory of Open Access Books	<a href="http://www.doabooks.org/">http://www.doabooks.org/</a>
02	Open Access e-Books	<a href="http://www.digitallibrary.edu.pk/OAEBooks.html">http://www.digitallibrary.edu.pk/OAEBooks.html</a>
03	AMS Books	<a href="http://www.ams.org/publicoutreach/math-history/math-history">http://www.ams.org/publicoutreach/math-history/math-history</a>
04	Intech	<a href="https://www.intechopen.com/books">https://www.intechopen.com/books</a>
05	Audio Books for Free	<a href="http://www.audiobooksforfree.com/screen_main.asp">http://www.audiobooksforfree.com/screen_main.asp</a>
06	New Free Books	<a href="http://newfreebooks.com/">http://newfreebooks.com/</a>
07	ACS e-Books	<a href="http://pubs.acs.org/search/advanced">http://pubs.acs.org/search/advanced</a>
08	Online book Page	<a href="http://digital.library.upenn.edu/books/index.html">http://digital.library.upenn.edu/books/index.html</a>
09	UC Press E-Books Collection	<a href="http://publishing.cdlib.org/ucpressebooks/">http://publishing.cdlib.org/ucpressebooks/</a>
10	BARTLEBY	<a href="http://www.bartleby.com/">http://www.bartleby.com/</a>
11	GPO ACCESS	<a href="http://www.gpo.gov/fdsys/">http://www.gpo.gov/fdsys/</a>
12	INTERNET ARCHIVE	<a href="http://archive.org/details/texts">http://archive.org/details/texts</a>
13	PROJECT GUTENBERG	<a href="http://www.gutenberg.org/wiki/Gutenberg:About">http://www.gutenberg.org/wiki/Gutenberg:About</a>
14	BOOKBOON	<a href="http://bookboon.com">http://bookboon.com</a>
15	Free books Hub	<a href="http://www.freebookshub.com/">http://www.freebookshub.com/</a>
16	World Book	<a href="http://www.worldbook.com/">http://www.worldbook.com/</a>
17	Books-On-Line.com	<a href="http://www.books-on-line.com/bol/default.cfm">http://www.books-on-line.com/bol/default.cfm</a>
18	Computer Books	<a href="http://freecomputerbooks.com/">http://freecomputerbooks.com/</a>
19	Page by Page Books Online	<a href="http://www.pagebypagebooks.com/">http://www.pagebypagebooks.com/</a>
20	OAPEN	<a href="http://www.oapen.org/home">http://www.oapen.org/home</a>
21	Read Print	<a href="http://www.readprint.com/">http://www.readprint.com/</a>
22	World e-book Library	<a href="http://www.netlibrary.net/default.aspx">http://www.netlibrary.net/default.aspx</a>
23	Biodiversity Heritage Library	<a href="http://www.biodiversitylibrary.org/">http://www.biodiversitylibrary.org/</a>
24	Free book centre	<a href="http://www.freebookcentre.net">http://www.freebookcentre.net</a>
25	Comic books	<a href="http://www.comicbookdb.com/">http://www.comicbookdb.com/</a>
26	AR book find	<a href="http://www.arbookfind.com">http://www.arbookfind.com</a>
27	Safari books online	<a href="http://proquest.safaribooksonline.com/">http://proquest.safaribooksonline.com/</a>
28	Read Print	<a href="http://www.readprint.com/">http://www.readprint.com/</a>
29	Black book online	<a href="http://www.blackbookonline.info/">http://www.blackbookonline.info/</a>
30	Fiction db	<a href="http://www.fictiondb.com/">http://www.fictiondb.com/</a>
31	E books	<a href="http://www.pdfdrive.net">www.pdfdrive.net</a>
32	E-Books Directory	<a href="http://www.e-booksdirectory.com/listing.php?category=73">http://www.e-booksdirectory.com/listing.php?category=73</a>
33	Free Tech Books	<a href="http://www.freetechbooks.com/">http://www.freetechbooks.com/</a>
34	Get free books	<a href="https://Www.Getfreeebooks.Com/400-Free-Business-Sales-Career-Economics-And-Financial-Ebooks/#Humanresources">https://Www.Getfreeebooks.Com/400-Free-Business-Sales-Career-Economics-And-Financial-Ebooks/#Humanresources</a>

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## 4. Open Access E – Journals

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1	Directory of Open Access Journals	<a href="https://doaj.org/">https://doaj.org/</a>
2	BioMed Central	<a href="https://www.biomedcentral.com/journals">https://www.biomedcentral.com/journals</a>
3	Scientific Research Publishing	<a href="https://www.scirp.org/">https://www.scirp.org/</a>
4	Springer Open Journals	<a href="https://www.springeropen.com/journals">https://www.springeropen.com/journals</a>
5	Trans stellar Journal Publications and Research Consultancy	<a href="http://www.tjprc.org/">http://www.tjprc.org/</a>
6	Science Publications:	<a href="http://thescipub.com">http://thescipub.com</a>
7	Research India Publications	<a href="https://www.ripublication.com/">https://www.ripublication.com/</a>
8	International Association of Engineering and Management	<a href="http://www.iaeme.com/">http://www.iaeme.com/</a>
9	Seventh Sense Research Group	<a href="http://www.internationaljournalssrg.org/">http://www.internationaljournalssrg.org/</a>
10	IBIMA Publishing	<a href="http://ibimapublishing.com">http://ibimapublishing.com</a>
11	Indian Academy of Sciences	<a href="http://www.ias.ac.in">http://www.ias.ac.in</a>
12	Hindawi publishers	<a href="https://www.hindawi.com/">https://www.hindawi.com/</a>
13	CSC Open-Access Library	<a href="http://www.cscjournals.org/">http://www.cscjournals.org/</a>
14	OMICS International	<a href="https://www.omicsonline.org">https://www.omicsonline.org</a>
15	Elsevier Online Periodicals Repository	<a href="https://www.elsevier.com/about/open-science">https://www.elsevier.com/about/open-science</a>
16	IEEE	<a href="https://open.ieee.org/">https://open.ieee.org/</a>

## 5. E-Patents

S.No	Name of Provider	URL
1	Indian Patent Search (IPAIRS)	<a href="https://ipindiaservices.gov.in/publicsearch">https://ipindiaservices.gov.in/publicsearch</a>
2	Google Patents	<a href="https://patents.google.com/">https://patents.google.com/</a>
3	Free Patents Online (FPO)	<a href="http://www.freepatentsonline.com/">http://www.freepatentsonline.com/</a>
4	Espacenet Patent Search	<a href="https://worldwide.espacenet.com/">https://worldwide.espacenet.com/</a>
5	The Lens	<a href="https://www.lens.org/">https://www.lens.org/</a>
6	US Patent and Trademark Office (PTO)	<a href="https://www.uspto.gov/patent">https://www.uspto.gov/patent</a>



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S.No	Name of Provider	URL
1	Europe E-theses Portal	<a href="http://www.dart-europe.eu/basic-search.php">http://www.dart-europe.eu/basic-search.php</a>
2	British Library EThOS service	<a href="https://ethos.bl.uk/Home.do">https://ethos.bl.uk/Home.do</a>
3	Netherlands	<a href="https://www.narcis.nl/">https://www.narcis.nl/</a>
4	PQDT Open	<a href="http://pqdtopen.proquest.com/pqdtopen/search.html">http://pqdtopen.proquest.com/pqdtopen/search.html</a>
5	Corvinus University dissertations	<a href="http://phd.lib.uni-corvinus.hu/">http://phd.lib.uni-corvinus.hu/</a>
6	Durham e-Theses	<a href="http://etheses.dur.ac.uk/view/departments/">http://etheses.dur.ac.uk/view/departments/</a>
7	MIT Theses	<a href="http://dspace.mit.edu/handle/1721.1/7582">http://dspace.mit.edu/handle/1721.1/7582</a>

## 7. Open Access Institutional Repositories

S.No	Name of Provider	URL
1	KRISHIKOSH	<a href="http://krishikosh.egranth.ac.in/">http://krishikosh.egranth.ac.in/</a>
2	Journal of Digital Information	<a href="http://journals.tdl.org/jodi/index.php/jodi">http://journals.tdl.org/jodi/index.php/jodi</a>
3	Indian Journals	<a href="http://www.indianjournals.com/ijor.aspx">http://www.indianjournals.com/ijor.aspx</a>
4	Journal of Engineering and Technology	<a href="http://www.onlinejet.net/">http://www.onlinejet.net/</a>
5	International Journal of Online Engineering	<a href="http://www.online-journals.org/i-joe/">http://www.online-journals.org/i-joe/</a>
6	Intelligent Control and Automation	<a href="http://www.scirp.org/journal/ica/">http://www.scirp.org/journal/ica/</a>
7	International Journal of Computers Communications & Control	<a href="http://univagora.ro/jour/index.php/ijccc/index">http://univagora.ro/jour/index.php/ijccc/index</a>
8	High Wire Press	<a href="http://highwire.stanford.edu/lists/freeart.dtl">http://highwire.stanford.edu/lists/freeart.dtl</a>
9	The Journal of Engineering (JoE)	<a href="http://digital-library.theiet.org/content/journals/joe/">http://digital-library.theiet.org/content/journals/joe/</a>
10	Journal of Information Technology in Construction	<a href="http://www.itcon.org/">http://www.itcon.org/</a>
11	NISCAIR Online Periodicals Repository	<a href="http://nopr.niscair.res.in/">http://nopr.niscair.res.in/</a>
12	National Institute of Technology - Rourkela	<a href="http://dspace.nitrkl.ac.in/dspace/">http://dspace.nitrkl.ac.in/dspace/</a>
13	West Bengal Public Library Network	<a href="http://dspace.wbpublibnet.gov.in:8080/jspui/">http://dspace.wbpublibnet.gov.in:8080/jspui/</a>



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## **8. Plagiarism Detection Software (PDS)**

- URKUND: <https://www.urkund.com/>
- TURNITIN: <https://www.turnitin.com/>
- <https://www.plagiarismsoftware.net/>
- <https://smallseotools.com/plagiarism-checker/>
- <https://plagiarismdetector.net/>
- <https://www.duplichecker.com/>
- <https://www.grammarly.com/plagiarism-checker>
- <https://copyleaks.com/plagiarism-checker>
- <https://www.quetext.com/>

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## Amrita Virtual Lab

# Instruction manual for students to access online questionnaire

## Step 1- How to Login to virtual labs?

Open a web browser of your choice. We recommend Google chrome.

- a. Type vlab.amrita.edu in the address bar

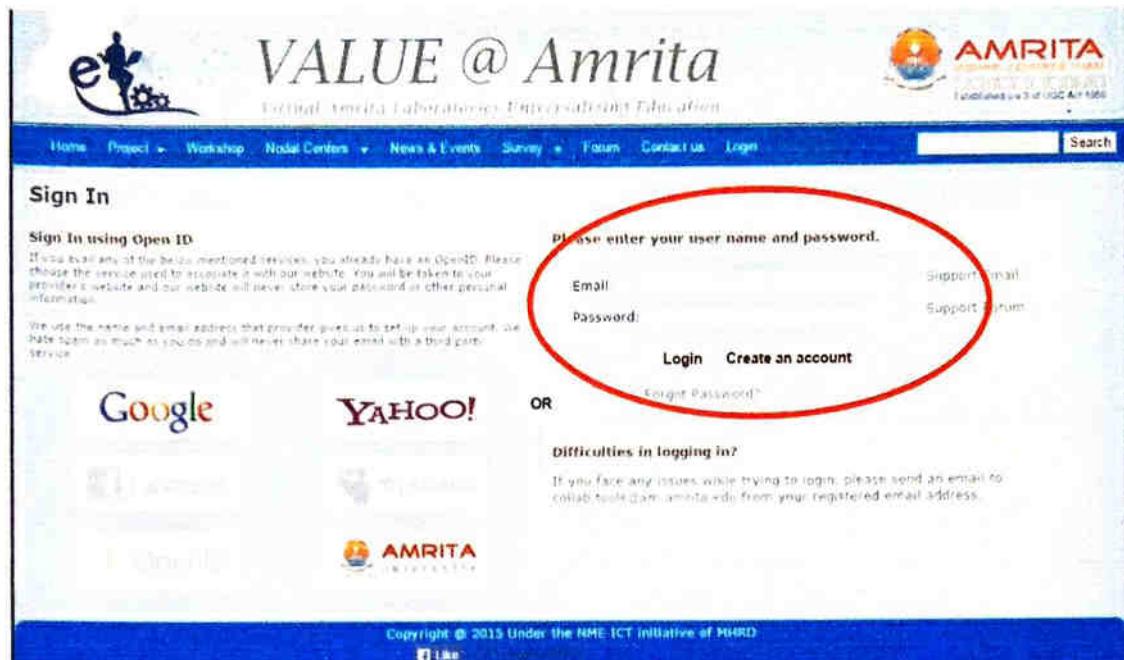


- b. Click "Login"



c. Please enter your unique login ID that you obtained from VALUE Virtual labs

**IMPORTANT-Make sure each student login with their own User ID and Password from VALUE to count their attendance and usage. For e. g. Username- srit.15.u4cv.001**



d. When you login successfully, the name of the student (as given by the nodal coordinator) will appear in the home page.



**Fwd: CSE student and Faculty details for Value Virtual Lab - Regarding**

Muthaiah U <muthaiah.cse@shanmugha.edu.in>  
To: Hod Cse <hod.cse@shanmugha.edu.in>, NAGARAJ S <nagarajmass1983@shanmugha.edu.in>

Fri, Aug 10, 2018 at 2:00 PM

----- Forwarded message -----

**From:** VALUE Virtual Labs <virtualabloginid@gmail.com>

Date: Wed, Jun 21, 2017 at 4:39 PM

Subject: Fwd: CSE student and Faculty details for Value Virtual Lab - Regarding

To: Muthaiah U <muthaiah.cse@shanmugha.edu.in>

Cc: hod.mech@shanmugha.edu.in, hod.civil@shanmugha.edu.in, suganya.ece@shanmugha.edu.in, Principal

SSCET <principal@shanmugha.edu.in>, sathish t <sathish@shanmugha.edu.in>

Dear Nodal Coordinator,

Please find the attached user-ids for accessing Virtual Labs.

\*\*\*Kindly update profile after first login\*\*\*

For your kind information, Cybersecurity labs are under construction. Simulations are not yet online.

Thanks & Regards,

VALUE Team

Virtual Amrita Laboratories Universalizing Education

Amrita Vishwa Vidyapeetham University

<http://vlab.amrita.edu/>

0476-280-4528, 09446007135

~broadening perspectives~

Thanks and Regards,

Muthaiah U, M.E.,(Ph.D)

Assistant Professor & Placement Officer,

Computer Science and Engineering ,

Sri Shanmugha College of Engineering & Technology,

Pullipalayam, Morur Post .

Sankari TK, Salem Dt.-637304

Mob:09047864346



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PULLIPALAYAM. MORUR-637304.  
SANKAGIRI(TK). SALEM(DT).T.N.

**Fwd: Spoken Tutorials and Amrita Virtual Lab - Plan(2017-18 EVEN Semester)**

Muthaiah U <muthaiah.cse@shanmugha.edu.in> Mon, Mar 19, 2018 at 11:28 AM  
To: HoD Mechanical <hod.mech@shanmugha.edu.in>, hod.civil@shanmugha.edu.in, ECE HOD  
<hod.ece@shanmugha.edu.in>, balajiece@shanmugha.edu.in, bala.munisamy@shanmugha.edu.in, Boopathi R  
<boopathi.mech@shanmugha.edu.in>, Mohan K <mohank@shanmugha.edu.in>, Agalya M  
<agalyam@shanmugha.edu.in>, faculty@shanmugha.edu.in

Thanks and Regards,  
Muthaiah U, M.E.,(Ph.D)  
Assistant Professor & Placement Officer,  
Computer Science and Engineering ,  
Sri Shanmugha College of Engineering & Technology,  
Pullipalayam, Morur Post ,  
Sankari TK, Salem Dt.-637304  
Mob:09047864346

----- Forwarded message -----

From: Muthaiah U <muthaiah.cse@shanmugha.edu.in>  
Date: Fri, Dec 15, 2017 at 11:53 AM  
Subject: Spoken Tutorials and Amrita Virtual Lab - Plan(2017-18 EVEN Semester)  
To: ECE HOD <hod.ece@shanmugha.edu.in>, HoD Mechanical <hod.mech@shanmugha.edu.in>, hod.civil@shanmugha.edu.in, sathish t <sathish@shanmugha.edu.in>, faculty@shanmugha.edu.in  
Cc: Principal SSCET <principal@shanmugha.edu.in>

Respected sir/madam,

Please find the last semester status of Spoken Tutorials and Amrita Virtual Lab for each Dept. You are all requested to continue the same in this semester also with the maximum utilization.

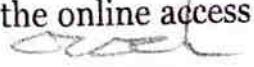
**Spoken Tutorials:**

1. Connect open source software with your regular lab. (include in timetable)
2. Students can write on line exam.

**Amrita Virtual Lab**

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PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.

1. You can utilize the amrita advance lab with your current account.
2. Student and Faculty should have user name and password for the online access of their resources.

Note: Student and Faculty can access with the old username  SANKAGIRI(TK).SALEM(DT).T

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ENGINEERING & TECHNOLOGY  
PULLIPALAYAM, MORUR-637304.

**It is a Virtual Amrita Laboratories Universalizing Education. Amrita university advance laborites can be used for our students and faculty members skill development. The following laboratories are available.**

**Chemical Sciences**

1. Physical Chemistry Virtual Lab
2. Organic Chemistry Virtual Lab
3. Inorganic Chemistry Virtual Lab
4. Advanced Analytical Chemistry Virtual Lab

**Physical Sciences**

1. Electricity & Magnetism Virtual Lab
2. Heat & Thermodynamics Virtual Lab
3. Harmonic Motion and Waves Virtual Lab
4. Modern Physics Virtual Lab
5. Laser Optics Virtual Lab
6. Mechanics Virtual Lab (Pilot)
7. Electric Circuits Virtual Lab (Pilot)
8. Advanced Mechanics Virtual Lab
9. Optics Virtual Lab
10. Solid State Physics Virtual Lab

**Computer Science**

1. Wireless Sensor Network Remote Triggered Lab (Wireless Remote Sensing, Experimentation, Monitoring and Administration Lab)
2. Cyber security

**Mechanical Engineering**

1. Wind energy Labs
2. Solar energy Labs
3. Mechanics of Solids Labs
4. Energy Storage Labs

HoDs and Faculty members are requested to go through the link <http://vlab.amrita.edu/> for further clarifications. And you can start to fill up the template attached herewith (Your lab details and Student details) for your department laborites.

Once you send a filled template, you will receive the student ID and Staff ID to use the lab through online. Please try out this opportunity.

**Contact details**

valuevirtuallabs@gmail.com

**VALUE Team**

**Virtual Amrita Laboratories Universalizing Education  
Amrita Vishwa Vidyapeetham University**

<http://vlab.amrita.edu/>  
0476-280-4528, 09446007135

Thanks and Regards

Muthaiah, U. M.E.,(Ph.D)  
Assistant Professor & Placement Officer,  
Computer Science and Engineering .  
Sri Shanmuga College of Engineering & Technology,  
Pullipalayam, Morur Post ,

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SANKAGIRI(TK).SALEM(DT).T.N.**

Name of the institute :

SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Name of the co-ordinator :

MUTHAIAH U AP/CSE

Total no of students:

53

Sl No	Name of student	Male/ Female (M/F)	Course (UG/PG)	Branch	Batch( I,II,III year)	Email ID	User ID
1	ARUNPRAKASHAN A K V	M	UG	CSE	IV	arunprakasanakv@gmail.com	ssct.12.u4cse.029
2	BAVISHNA B	F	UG	CSE	IV	cabavish@gmail.com	ssct.12.u4cse.030
3	GAYATHRI R	F	UG	CSE	IV	gaya314cs003@gmail.com	ssct.12.u4cse.031
4	KARUNAKARAN A	M	UG	CSE	IV	karunakaran.cse.26@gmail.com	ssct.12.u4cse.032
5	KATHIRPRABHAKARAN V	M	UG	CSE	IV	kathirprabhakaran007@gmail.com	ssct.12.u4cse.033
6	NANDHA KUMAR S	M	UG	CSE	IV	nandhakumar1512@gmail.com	ssct.12.u4cse.034
7	PRIYAP P	F	UG	CSE	IV	priyapriyacse96@gmail.com	ssct.12.u4cse.035
8	RUBAKKUMAR P	M	UG	CSE	IV	rubaktechie@gmail.com	ssct.12.u4cse.036
9	SARANYA R	F	UG	CSE	IV	saranyarajcse@gmail.com	ssct.12.u4cse.037
10	SATHYA M	F	UG	CSE	IV	sathyamurugesan06@gmail.com	ssct.12.u4cse.038
11	GANESHA MOORTHI M	M	UG	CSE	IV	ganeshamoorthyit96@gmail.com	ssct.12.u4cse.039
12	KAMALI R	F	UG	CSE	IV	kamaligokul22@gmail.com	ssct.12.u4cse.040
13	NIVETHA P	F	UG	CSE	IV	nivethashree96@gmail.com	ssct.12.u4cse.041
14	THEENMOZHI M	F	UG	CSE	IV	thenemozhimurugesancse@gmail.com	ssct.12.u4cse.042
15	N DFI PA	F	UG	CSE	III	deepanagarajcse@gmail.com	ssct.13.u4cse.021
16	S DHARANI PRIYA	F	UG	CSE	III	dharanis1206@gmail.com	ssct.13.u4cse.022
17	M HEMAPRIYA	F	UG	CSE	III	priyahema940@gmail.com	ssct.13.u4cse.023
18	RG PREETHI	F	UG	CSE	III	rgnpreethi@gmail.com	ssct.13.u4cse.024
19	KS SARATH KUMAR	M	UG	CSE	III	sarathkumarcse7@gmail.com	ssct.13.u4cse.025
20	S KARAIADI SELVAN	M	UG	CSE	III	karaiselva777@gmail.com	ssct.13.u4cse.026
21	P SUDHRASAN	M	UG	CSE	III	sudhrasanda@gmail.com	ssct.13.u4cse.027
22	MEYYAPPAN M	M	UG	CSE	II	meiyappan282@gmail.com	ssct.14.u4cse.016
23	BHARATHSACHIN M	M	UG	CSE	II	bharathisachin123@gmail.com	ssct.14.u4cse.017
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25	KANNAN P	M	UG	CSE	II	kannanperumal0798@gmail.com	ssct.14.u4cse.019
26	VIJAY M	M	UG	CSE	II	thalapathiv6@gmail.com	ssct.14.u4cse.020
27	PREM R	M	UG	CSE	II	premraviselvi@gmail.com	ssct.14.u4cse.021
28	KARTHICK R	M	UG	CSE	II	karthikandy777@gmail.com	ssct.14.u4cse.022
29	MAHANA SUNDARAM P	M	UG	CSE	II	bonesmohan.1997@gmail.com	ssct.14.u4cse.023
30	KANTAN P	M	UG	CSE	II	kannanperumal0798@gmail.com	ssct.14.u4cse.024
31	VINEETH KUMAR A K	M	UG	CSE	II	www.rvsmart@gmail.com	ssct.14.u4cse.025
32	VIGNESH RAJA G	M	UG	CSE	II	gvr2706@mail.com	ssct.14.u4cse.026
33	AJITH S	M	UG	CSE	I	ajithsankar20041999@gmail.com	ssct.14.u4cse.027
34	KOWSALYAS	M	UG	CSE	I	kowsalyaselvan1999@gmail.com	ssct.14.u4cse.028
35	POOJASHREE M	M	UG	CSE	I	poojashreemanoharan@gmail.com	ssct.14.u4cse.029
36	RAJESHWARI A	M	UG	CSE	I	rajeshwariraje18@gmail.com	ssct.14.u4cse.030
37	RAMYA K	M	UG	CSE	I	ramyakadhir22@gmail.com	ssct.14.u4cse.031
38	POOJA K	M	UG	CSE	I	poojakandaswaswamy1@gmail.com	ssct.14.u4cse.032
39	KEERTHI B	M	UG	CSE	I	keerthiwicky453@gmail.com	ssct.14.u4cse.033
40	NANDHINI S	M	UG	CSE	I	nandhinishanmugham1999@gmail.com	ssct.14.u4cse.034
41	MANOJ	M	UG	CSE	I	manojagathes98@gmail.com	ssct.14.u4cse.035
42	VISHNUPRIYA M	F	UG	CSE	I	vishnupriya0998@gmail.com	ssct.14.u4cse.036
43	AJITHA V	F	UG	CSE	I	ajithavpu@gmail.com	ssct.14.u4cse.037
44	HARI PRIYA R	F	UG	CSE	I	enggharipriya@gmail.com	ssct.14.u4cse.038
45	NAVASHAKTHI NARAYANI S	F	UG	CSE	I	shakthi1399@gmail.com	ssct.14.u4cse.039
46	MAHESHWARI S	F	UG	CSE	I	maheshwarikumuthavalli37@gmail.com	ssct.14.u4cse.040
47	THANUSHYA K	F	UG	CSE	I	thanushyakannan@gmail.com	ssct.14.u4cse.041
48	DIVYA BHARATHI M	F	UG	CSE	I	divyabharathiunmv@gmail.com	ssct.14.u4cse.042
49	BHARATHI M	F	UG	CSE	I	bharathiise79@gmail.com	ssct.14.u4cse.043
50	RENUKA R	F	UG	CSE	I	renugaramkrishnan1999@gmail.com	ssct.14.u4cse.044
51	GUGA PRIYAT	F	UG	CSE	I	gughavenba99@gmail.com	ssct.14.u4cse.045
52	AKILA A	F	UG	CSE	I	agineenu31@gmail.com	ssct.14.u4cse.046
53	SHALINI V	F	UG	CSE	I	shalinikamin29@gmail.com	ssct.14.u4cse.047

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**Website:** [www.shanmugha.edu.in](http://www.shanmugha.edu.in) **Contact Number:** 04283-262901

# SSCET-Learning Management System (LMS)

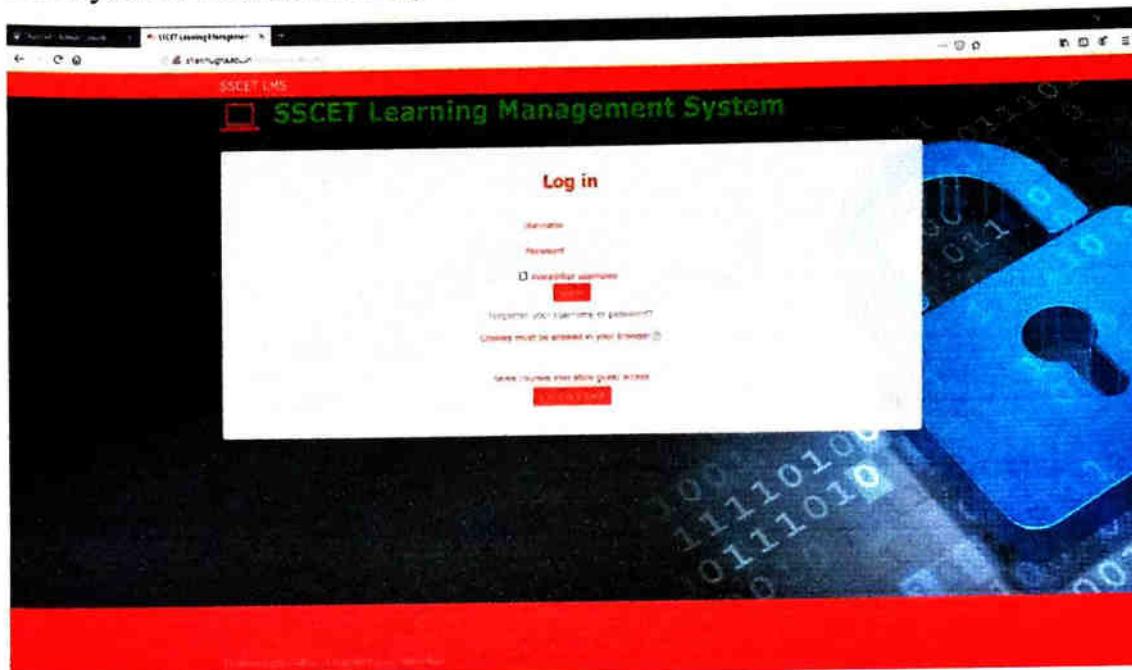


## Steps to upload LMS

Open Browser with link: <http://shanmugha.edu.in/lms/>

Select Login

Enter your credentials and Login



MAIN MENU  
LMS-A  
LMS-B  
LMS-C  
NAVIGATION  
Home  
LMS-A  
LMS-B  
LMS-C  
LMS-D  
Chatbox

Available courses

OBJECT ORIENTED PROGRAMMING Lab  
METROLOGY AND MEASUREMENTS MANUAL

1. Click menu and use of course navigation - Select 'Edit' option from the course page block.

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After Login, select Site Home:

Scroll down and click Turn editing ON.

Principal's Signature

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Scroll to the last of the page and you will find Add new course. Select

The screenshot shows a list of courses on the SSSET LMS platform:

- Dynamics of Machines
- Bio energy Resource Technology
- INTERNAL COMBUSTION ENGINES
- Design of Machine Elements
- Computer Architecture and Organization
- Optical Communication and Networking

A yellow box highlights the "Add New Course" button at the bottom right.

Enter the mandatory details and Scroll down.

The screenshot shows the "Add a new course" form on the SSSET LMS platform:

- General**:
  - Course title: **Course title** (highlighted with a yellow box)
  - Course short name: **Course short name**
  - Course category: **Information**
  - Visible: **Visible**
  - Course start date: **10-01-2018**
  - Course ID number: **Course ID number**
- Description**:
  - Course summary: **Course summary**

A yellow box highlights the "Course title" field.

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You can either drag and drop the file in Course summary files, or Click on the arrow to select the files from your local system.

After file gets uploaded, select save and display.



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# NPTEL



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NPTEL

About us Courses Contact us

Computer Science and Engineering Computer Graphics (Module) Syllabus Co-ordinated by: IIT-Mumbai

Available from : 2005-12-31 Lect. 38

Modules / Lectures

Computer Graphics

- [Introductio...]
- CRT Display Devices
- CRT Display Devices (Contd.)
- CRT Display Devices (Contd.)
- CRT Display Devices (Contd.)
- Transformations in 2D
- Transformations in 3D (Contd.)
- Three Dimensional Graphics
- Three Dimensional Graphics (Contd.)
- Three Dimensional Graphics (Contd.)
- Projection Transformations And Viewing Pipeline
- 3D Viewing - Projection Transformations And Viewing

Watch on YouTube Assignments Transcript Books

INCIRCLE CURVES.

$$P(x) = \sum B_i F_i \quad (0 \leq i \leq 1)$$


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# SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

## MASTER LOG BOOK

DATE: 27/12/18

BRANCH: CSE

DAY: Monday

SEMESTER: ✓

PERIOD	SUBJECT	STAFF	ABSENTEES	TOPICS COVERED	STAFF SIGN	REMARKS
1	INTERNET PROGRAMMING	Mrs. P. KEERTHANA	42, 37, 14, 703, 704, 701, 11	Test		
2	COMPUTER	Dr. S. MARKANDEYAN	42, 37, 14,	Blobby objects & spline representations	<i>S</i>	Ajitha - about hyperbola
3	GRAPHICS	HOD/CSE	703, 704, 701, 11	Bezier Curves and Surfaces (NPTEL video)	<i>S</i>	Atilla - about kaleidoscope
4	Theory Of Computation	Mr. V. MUTHAIAH	703, 704, 701, 11, 42, 37, 14	Pushdown Automata and Problems.	<i>V</i>	Ashok - About PDA
5	INTERNET	Mrs. P.	703, 704, 701,	client Web Architecture	<i>P</i>	Vineeth - about cricket
6	PROGRAMMING	KEERTHANA	11, 42, 37, 14	server life cycle, GET and POST action	<i>P</i>	Narashathi - about Alphago
7	DM	Mrs. P. Keerthana	71, 42, 37, 14, 703, 704, 701	Type (i) Polynomial Problems	<i>P</i>	(37)
8	II					(38)

CLASS ADVISOR

*S*  
HOD



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## YouTube Video Lectures



**Department of Computer Science and Engineering**

**Innovations by the Faculty in Teaching and Learning**

S. No.	Name of the Faculty	Subject	Topic	Goals	Effective Presentation	No. of Reviews / Critique	Link
1	Mr.K.Gowsic	IT6601/ Mobile Computing	Mobile IP	Students able to Understand Concept of IP for mobile devices	Video Lecture	41K reviews	<a href="https://www.youtube.com/watch?v=zRNJzv kf5gA&amp;feature=youtub e">https://www.youtube.com/watch?v=zRNJzv kf5gA&amp;feature=youtub e</a>
2	Mr.P.Kamesh Kumar	CS6501- Internet programming	Introduction	Students able to Understand Theory of formal languages and grammar	Video Lecture	2.9K reviews	<a href="https://www.youtube.com/watch?v=tBPAKw8of4A">https://www.youtube.com/watch?v=tBPAKw8of4A</a>
3	Mr.U.Muthaiah	CS6503/ Theory of Computation	Non Deterministic Finite Automata (NDFA), Deterministic Finite Automata (DFA)	Students able to Understand Theory of formal languages and grammar; • Notions of algorithm • Decidability, complexity & computability	PPT Screencast-O-Matic	23 reviews	<a href="https://www.youtube.com/watch?v=gR Vow MhEko">https://www.youtube.com/watch?v=gR Vow MhEko</a>
4	Dr.S.Markkandeyan	CS6504/ Computer Graphics	Two dimensional geometric transformations	Students able to Understand Visualized the effects of graphics and understood the Concepts	Video Lecture	66 reviews	<a href="https://www.youtube.com/watch?v=AzCEtr8xg2k&amp;t=110s">https://www.youtube.com/watch?v=AzCEtr8xg2k&amp;t=110s</a>
5	Dr. W. R. Salem Jeyaseelan	CS8601/ Mobile Computing	Basic Concept of Mobile , Communication and computing and its advantages, disadvantages	Students are able to understand the difference between Top down and Bottom up programming	Video Lecture	24 reviews	<a href="https://www.youtube.com/watch?v=5B9ckvMayY&amp;t=9s">https://www.youtube.com/watch?v=5B9ckvMayY&amp;t=9s</a>
6	Mr. R. Palanivel	CS8493 / Operating System	Introduction to operating systems	Students are able to understand the concepts	Video Lecture	PRINCIPAL, SRI SHANMUGHA COLLEGE OF ENGINEERING & TECHNOLOGY, PULLIPALAYAM, MORUR-637304, SANKAGIRI(TK).SALEM(DT).T.N. BcwYo1hM &t=17s	PRINCIPAL, SRI SHANMUGHA COLLEGE OF ENGINEERING & TECHNOLOGY, PULLIPALAYAM, MORUR-637304, SANKAGIRI(TK).SALEM(DT).T.N. BcwYo1hM &t=17s

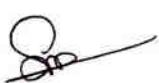


**Department of Computer Science and Engineering**

**Teaching Methodology**

S. No.	List of faculty members	Subject	Topic	Goals	ICT Tools	Assessment and Evaluation
1	Mr.K.Gowsic	CS8492/ Database Management Systems	Memory Management	To learn about concurrency security, backup and recovery, integrity and data descriptions.	PPT, Web Portal (NPTEL), Digital Media.	<ul style="list-style-type: none"><li>Students were understood the need of backup protection.</li></ul>
2	Mr.U.Muthaiah	IT6006/ Data Analytics	Regression and Multi Regression Algorithms	To understand the value and information flows in a business	PPT, Web Portal NPTEL, Digital Media, Machine Learning algorithm using R-tool	<ul style="list-style-type: none"><li>Periodic assessment to know the understanding level and further action to enhance teaching learning process.</li><li>Motivated to clear NPTEL certification.</li></ul>
3	Ms. S. Gayathri	CS6504/ Computer Graphics	Two dimensional geometric transformations	To display art and image data effectively and meaningfully to the consumer	Animation Video, Digital Media	<ul style="list-style-type: none"><li>Visualized the effects of graphics and understood the Concepts</li></ul>
4	Mr. K. Gowsic	IT6601/ Mobile Computing	Ad-Hoc Basic Concepts	To make them understood the basic concept of ADHOC	PPT, Animation Video, Digital Media, Mobile phone demo	<ul style="list-style-type: none"><li>Students were understood the difference between GSM and ADHOC</li></ul>
5	Mr.U. Muthaiah	CS6601/ Distributed Systems	Process Migration: Features, Mechanism	Made to Understand in detail the system level and support required for distributed system	PPT, Animation Video, Digital Media	<ul style="list-style-type: none"><li>Real time applications like Skype demo, social media</li></ul>

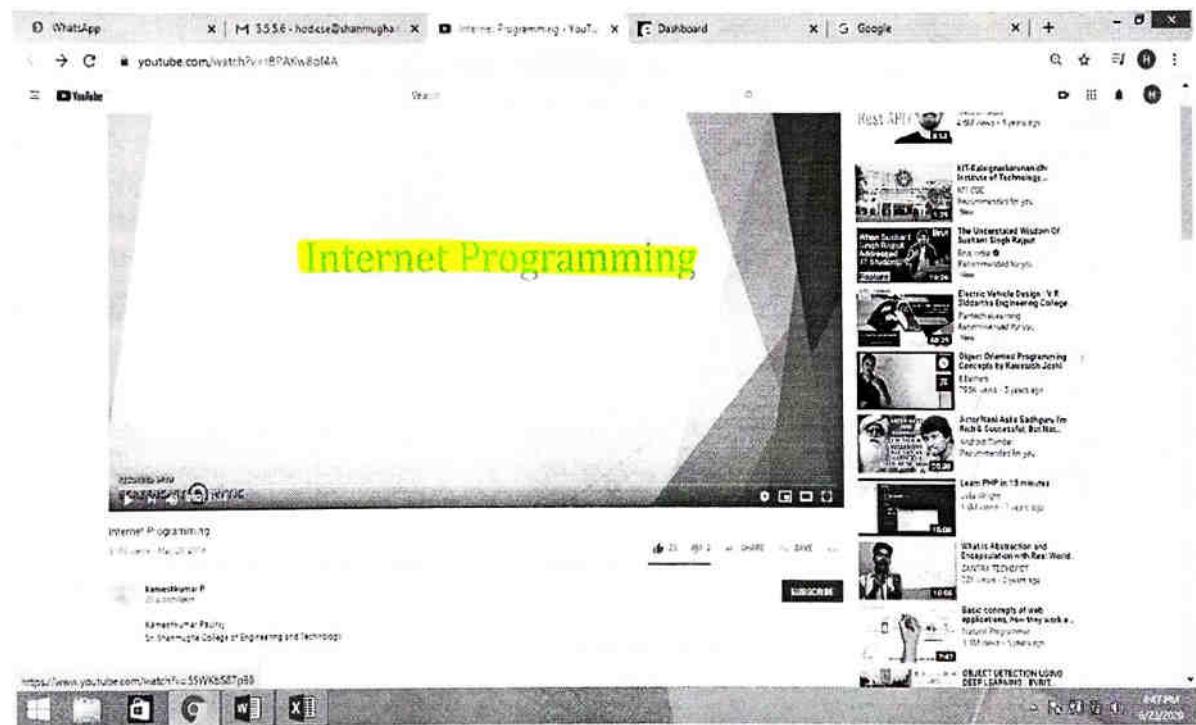
6	Ms.S.Gayathri	CS6551/ Computer Networks	Ethernet (802.3) and Wireless LANs	Made to be familiar with the components required to build different types of networks	Live demo Using routers, cables and switches.	<ul style="list-style-type: none"> <li>Hands-on training has given for practice.</li> </ul>
7	Mrs.M.Agalya	CS6403/ Software Engineering	Project Plan, Planning Process	The student should be made to understand the major considerations for enterprise integration and deployment	PPT, Animation Video, Digital Media	<ul style="list-style-type: none"> <li>Student understood company oriented software development</li> </ul>
8	Mr.U.Muthaiah	IT6006/ Data Analytics	Stream data model and architecture	To understand the value and information flows in a business	PPT, Animation Video, Digital Media	<ul style="list-style-type: none"> <li>Streaming data and real-time analytics formed a fairly specialized</li> <li>Easier to build</li> <li>Better model the way business processes take place.</li> </ul>
10	Mr.P.Kamesh Kumar	GE8151/ Problem Solving and python programming	Sorting	To demonstrate how to take a custom list of objects and sort those objects by a specific property.	Role Play, PPT	<ul style="list-style-type: none"> <li>Understood the technique of arranging and rearranging sets of data in some specific order depending on the value.</li> </ul>
11	Mr.S.Nagaraj	CS8392/ Object Oriented Programming	Object	To learn about real time objects	PPT, Animation Video, Digital Media	<ul style="list-style-type: none"> <li>Motivated the students for the online examination.</li> <li>One Student completed the NPTEL course with Elite</li> </ul>



HoD

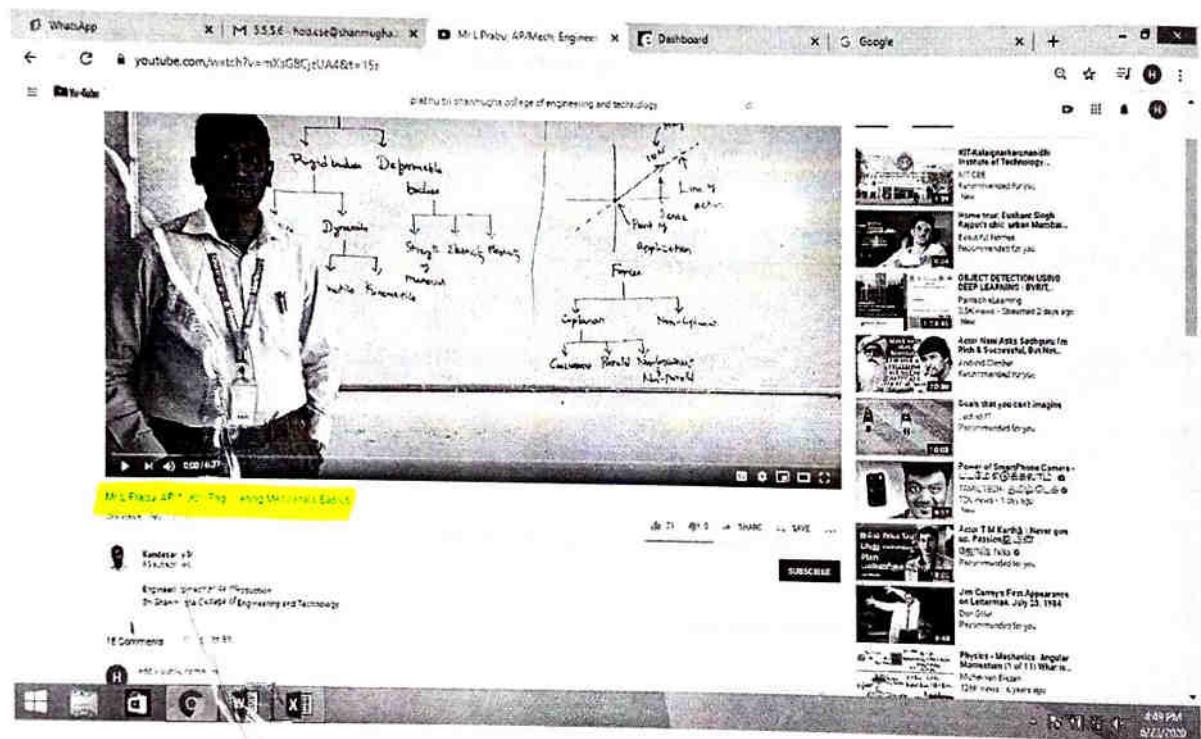
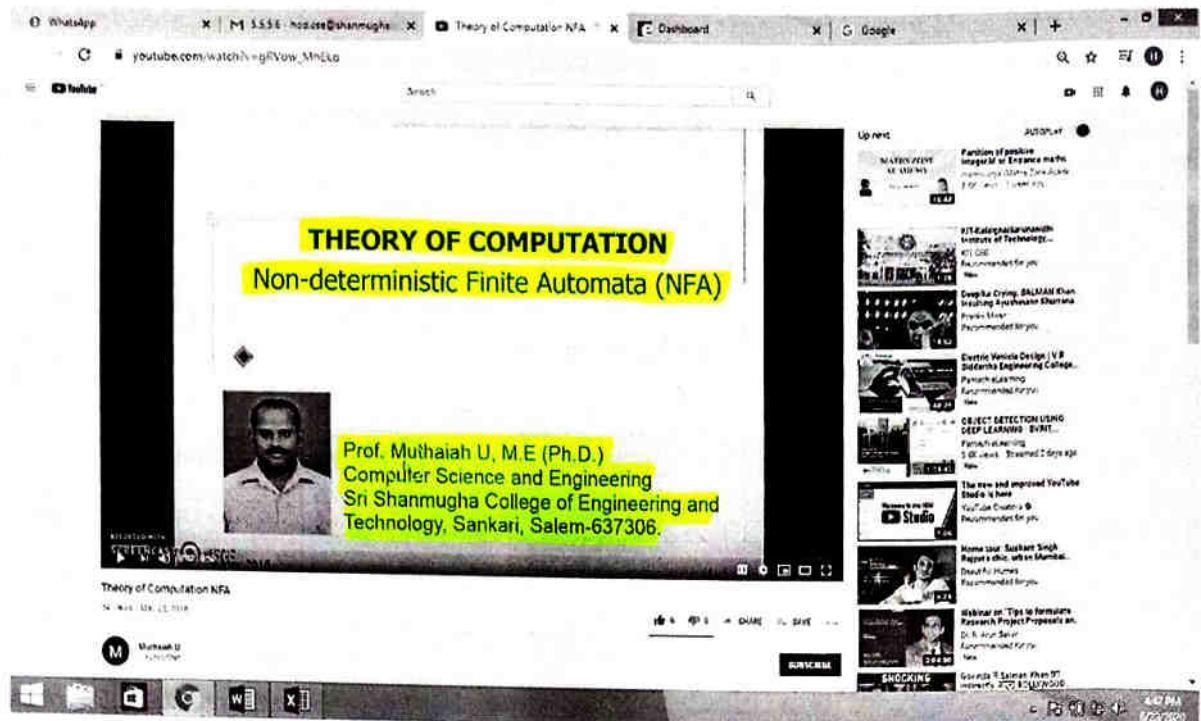


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