

Government College of Engineering, Salem- 11

(An Autonomous Institution affiliated to Anna University, Chennai)



SELF-STUDY REPORT



CRITERION 4

4.2.1 Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students

(Submitted to National Assessment and Accreditation Council)

Self Declaration

This is to certify that the supporting documents for this metric exceed the 5MB upload limit. Therefore, links to sample documents and some samples are provided in the following pages. Any/all Supporting documents will be provided, if required. All links, documents and images are verified and authenticated.

 5/2/24

IQAC – Chairperson

**Internal Quality Assurance Cell
Govt. College of Engineering
Salem - 636 011.**

4.2.1 Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students.

Digitalized Lecture

S.NO	Subject name	Sub code	Youtube link / drive link
1	Transmission lines and RF systems	EC3551	4.2.1/Link 1.1
			4.2.1/Link 1.2
			4.2.1/Link 1.3
			4.2.1/Link 1.4
2	Underwater Communication	CEC357	4.2.1/Link 2.1
			4.2.1/Link 2.2
			4.2.1/Link 2.3
			4.2.1/Link 2.4
3	4G/5G Communication Networks	CEC331	4.2.1/Link 3.1
			4.2.1/Link 3.2
			4.2.1/Link 3.3
			4.2.1/Link 3.4
			4.2.1/Link 3.5
4	Analog Communication	18EC404	4.2.1/Link 4
5	Control Systems	18EC405	4.2.1/Link 5
6	Signals and Systems	18EC303	4.2.1/Link 6
7	Validation and Testing Technology	CEC361	4.2.1/Link 7.1
			4.2.1/Link 7.2
			4.2.1/Link 7.3
8	Rocketry and Space Mechanics	CEC351	4.2.1/Link 8

Open source

S.No	Description	Link
1.	IRINS	4.2.1/Link 9
2.	Shodhganga	4.2.1/ Link 10

E- Resource

S.No	Name of the E-Resource	Website Address
1	American Society of Mechanical Engineers (ASME)	4.2.1/Link 12
2	American Society of Civil Engineers (ASCE)	4.2.1/ Link 12
3	Wiley books	4.2.1/Link 13
4	Pearson Education Books	4.2.1/Link 14
5	Institution of Engineering and Technology (IET) e-books	4.2.1/Link 15

**(The above e-resources will be available through Government College of Engineering
IP Address 14.139.189.1 only)**


PRINCIPAL
GOVT. COLLEGE OF ENGG.,
SALEM-636 011

Sample/Reference for Library

Digital Library Computers with Internet Facilities



Sample/Reference for Library

Digital Library Computers with Internet Facilities




Sample/Reference for Swayam Prabha

Pariksha pe Charcha 2.0



Sample/Reference IRINS

Indian Research Information Network System



Government College of Engineering, Salem
Faculty Profiles
A Library Initiative

[HOME](#) [LOGIN](#)

All

Q

Faculty / Scientist

Faculty / Scientist
92

Principal	1
Professor	5
Associate Professor	17
Assistant Professor	51
Assistant Professor (Contractual)	0

Scholarly Resources

Publications
809

226 Closed Access 48 Gold OA 13 Bronze OA 3 Green OA

Patents
17

Journal Articles
582

Conference / In Proceedings
157

Resources Impact


Impact

4570 Citations 4478 Citations

Departments


- Department of Chemistry (6)
- Department of Civil Engineering (13)
- Department of Computer Science and Engineering (9)
- Department of Electrical and Electronics Engineering (12)
- Department of Electronics and Communication Engineering (11)

Top ten Profiles



Dr A. P. Sathyagnanam
Associate Professor

125 Publications 2 Projects 1504 Citations



Dr T Balusamy
Professor

43 Publications 554 Citations 697 Citations

Publications

Groundwater quality and its suitability for drinki...

Author: Subramani T., Elango L., Damodarasamy S.

398 Citation 340 Citation

Review on nanofluids characterization, heat transf...

Author: M. Raja., R. Vijayan., P. Dineshkumar., M. Venkatesan ...

168 Citation 189 Citation

Sample/Reference for Shodhganga

OPEN ACCESS INITIATIVES

- [Shodhganga](#)
- [Shodhgangotri](#)

Open Access Initiatives

Site Name	Description
Shodhganga	Repository for Theses
Shodhgangotri	Shodhgangotri hosts synopsis of research

Sample/Reference for Digitalized Lectures



Government College of Engineering, Salem-11.
(Accredited by NBA)
Department of Electronics and Communication Engineering.

CEC357 UNDERWATER COMMUNICATION

UNDERWATER FIBRE OPTICS COMMUNICATION

By

Dr. T. Thenmozhi, AP/ECE

GCE, Salem-11

Sample/Reference for Digitalized Lectures

Control System Prepared by Prof. D. Manibharathi AP/ECE

The whiteboard contains the following content:

Bode plot Frequency Response Analysis

→ frequency response
(magnitude plot & phase plot)

$G(s) = \frac{2(s+1)}{s(s+2)}$

$G(s) = \frac{4s}{(s+1)(s+2)}$

$G(s) = \frac{4}{s+1}$

$G(s) = \frac{2(s+2s+2)}{s(s+1)(s+2)}$

$G(s) = \frac{2(s+1)}{s(s+2)}$

Bode form:-

$G(s) = \frac{2(1+s)}{s \cdot 2(1+s/2)}$

$= \frac{1+s}{s(1+0.5s)}$

$s \rightarrow j\omega$

$G(j\omega) = \frac{1+j\omega}{j\omega(1+j0.5\omega)}$

magnitude:-

$|G(j\omega)| = \frac{\sqrt{1+\omega^2}}{\omega \sqrt{1+0.25\omega^2}} = \frac{\sqrt{1+\omega^2}}{\omega \sqrt{1+0.25\omega^2}}$

magnitude in dB:-

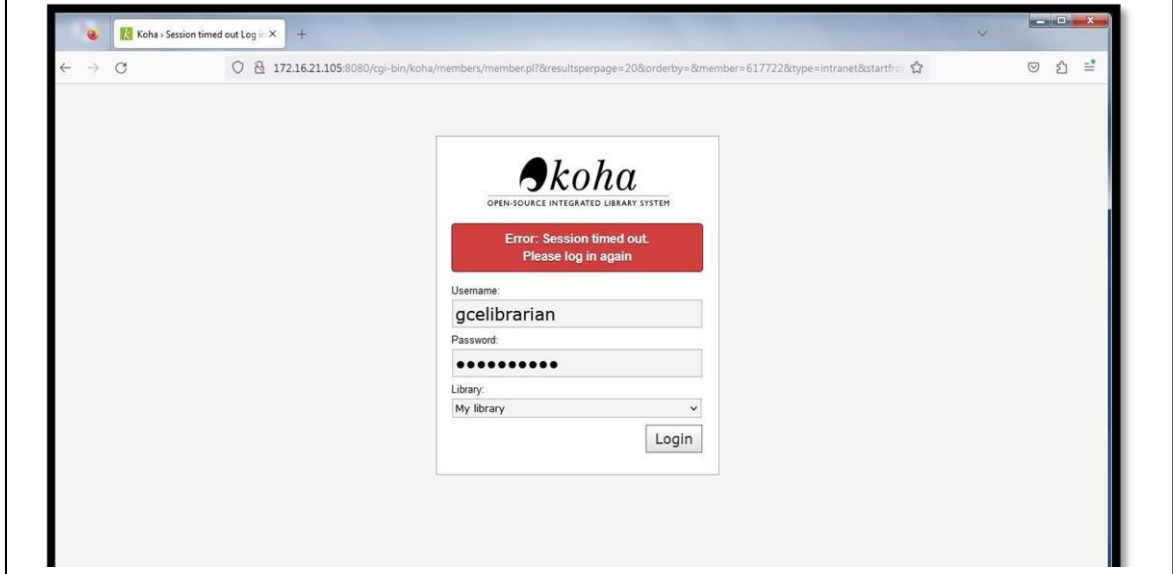
$20 \log |G(j\omega)| = 20 \log \left(\frac{\sqrt{1+\omega^2}}{\omega \sqrt{1+0.25\omega^2}} \right)$

Basic

- (1) Com
- (2) $1/s$
- (3) $1/s^2$
- (4) $1/s$
- (5) $1/s$
- (6) $1/s^2$
- (7) $1/s^3$

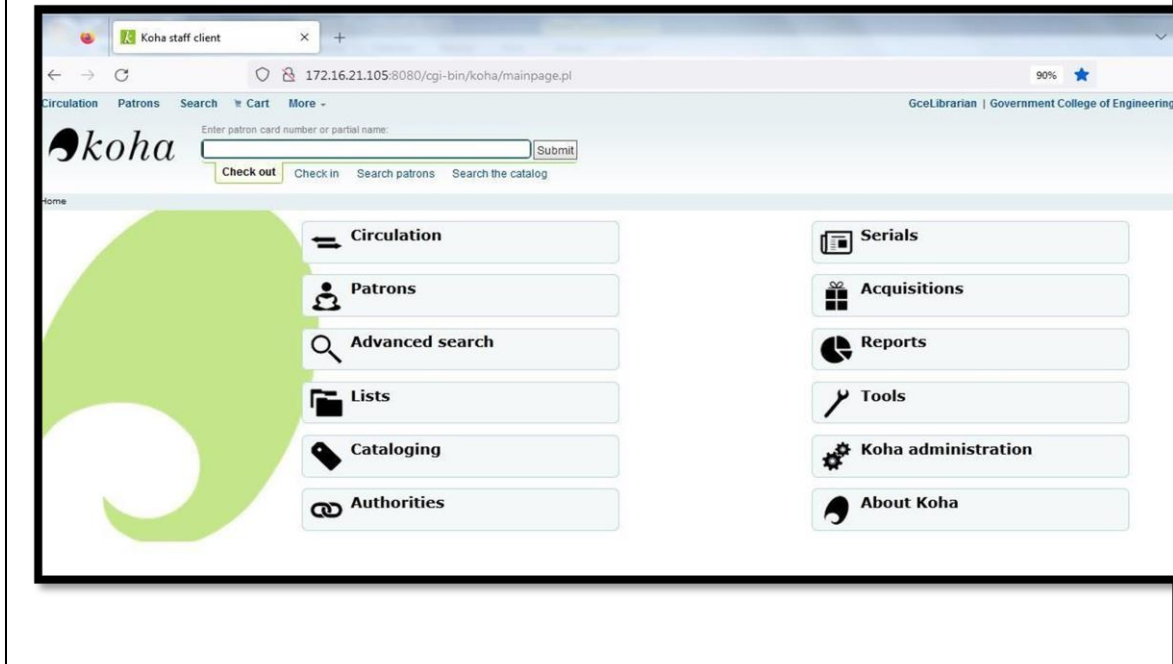
Sample/Reference for ILMS

Koha Library management Software



Sample/Reference for ILMS

Koha Library management Software



Sample/Reference for ILMS

Koha Library management Software

The screenshot shows the 'About Koha' page in a web browser. The page title is 'About Koha' and the URL is '172.16.21.105:8080/cgi-bin/koha/about.pl'. The page features a navigation menu with 'Circulation', 'Patrons', 'Search', 'Cart', and 'More'. The main content area is titled 'About Koha' and includes a 'Server Information' tab. The server information is displayed in a table format:

Koha version:	3.16.00.000
OS version ('uname -a'):	Linux gcellibrary 2.6.32-431.el6.x86_64 #1 SMP Fri Nov 22 03:15:09 UTC 2013 x86_64 x86_64 GNU/Linux
Perl interpreter:	/usr/bin/perl
Perl version:	5.010001
Perl @INC:	/usr/share/koha/lib /usr/local/lib64/perl5 /usr/local/share/perl5 /usr/lib64/perl5/vendor_perl /usr/share/perl5/vendor_perl /usr/lib64/perl5 /usr/share/perl5 -
MySQL version:	mysql Ver 14.14 Distrib 5.1.73, for redhat-linux-gnu (x86_64) using readline 5.1
Apache version:	Server version: Apache/2.2.15 (Unix) Server built: Jul 23 2014 14:17:29
Zebra version:	Zebra 2.0.54 (C) 1994-2013. Index Data ApS Zebra is free software, covered by the GNU General Public License, and you are welcome to change it and/or distribute copies of it under certain conditions. SHA1 ID: 6190fa227a5264b96517a8fa74f658747e5713d8 Using ICU

Sample/Reference for e-resources and journals

ASME Digital Collection

The screenshot shows the ASME Digital Collection website. The page title is 'Journal of Applied Mechanics'. The main content area features an article titled 'Asymptotic stress field for the blunt and sharp notches in bi-material media under mode III loading'. The article is marked as an 'Accepted Manuscript' and is authored by Amir Mohammad Mirzaei, Alberto Saporá, and Pietro Cornetti. The article is published in the 'J. Appl. Mech.' journal, volume 1-17 (17 pages), with a paper number of JAM-23-1331. The article was published online on December 19, 2023. The page also includes a search bar, navigation links, and a sidebar with 'Get Email Alerts' and 'Cited By' sections.

Sample/Reference for e-resources and journals

ASCE Digital Collection



Sample/Reference for e-resources and journals

IET Digital library

IET Digital Library Search All content Advanced search

Journals & magazines | Conferences | eBooks | Reference | Subjects | Collections | About

Home > Collections > eBooks: IET Control Robotics & Sensors Collection (1979-2022)

eBooks: IET Control Robotics & Sensors Collection (1979-2022)

eBooks: IET Control Robotics & Sensors Collection (1979-2022)

1 - 20 of 97 items found Items per page 20 | 50 | 100

Filter by subject:

- Computing and Control [41]
- Systems and control theory [30]
- Control theory [25]

A History of Control Engineering 1800-1930

Type: Book
Author(s): S. Bennett
Publication date 1979
[Show details >](#)

Your access is provided by: **Government College of Engineering, Salem**

Register to create your user account, or [sign in](#) if you have an existing account

Login >
Forgotten password? >
Login via your institution

Sample/Reference for e-resources and journals

WILEY Online library

WILEY Online Library Government College of Engineering, Salem Search Login / Register

HOME | AUTHOR BIOGRAPHY

Beginning Java® Programming: The Object-Oriented Approach

Editor(s): Bart Baesens, Airmée Backiel, Seppe vanden Broucke
First published: 2 January 2012
Print ISBN: 9781118739495 | Online ISBN: 9781119209416
| DOI: 10.1002/9781119209416
© 2015 John Wiley & Sons, Inc., Indianapolis, Indiana

About this book

A comprehensive Java guide, with samples, exercises, case studies, and step-by-step instruction. *Beginning Java Programming: The Object Oriented Approach* is a straightforward resource for getting started with one of the world's most enduringly popular programming languages. Based on classes taught by the authors, the book starts with the basics and gradually builds into more ... [Show all >](#)

Table of Contents

Export Citation(s)

CHAPTER NaN

[Free Access](#)
Front Matter (Pages: 1-23)
[Summary](#) | [PDF](#) | [Request permissions](#)

[Buy this Book](#)
[Contact your account manager](#)
[For authors](#)