AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING
Approved by All India Council for Technical Education, New Delhi
Affiliated to Anna University, Chennai
NAAC Accredited Institution & NBA Accredited Courses   (Mech. Engg., ECE, CSE, IT)
"Nizara Educational Campus" Muthapudupet, Avadi-IAF, Chennai - 55.

2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website.

PROGRAMMES	CO-PO LINK OF WEB SITE
B.E. - Mechanical Engineering	VIEW
B.E. – Electronics and Communication Engineering	VIEW
B.E. – Computer Science and Engineering	VIEW
B.E. – Electrical and Electronics Engineering	VIEW
B. Tech. – Information Technology	VIEW
B.E. – Civil Engineering	VIEW
B. Tech. – Artificial Intelligence and Data Science	VIEW
B. Tech. – Computer Science and Business Systems	VIEW
B.E. – Computer Science and Engineering (Cyber Security)	VIEW
B.E. – Computer Science and Engineering (Artificial Intelligence and Machine Learning	VIEW

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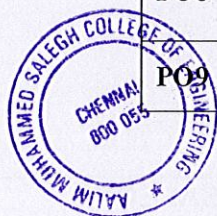"Nizara Educational Campus" Muthapudupet, Avadi-IAF, Chennai - 55.

Programme Educational Objectives (PEO's)

PEO1	To ensure graduates will be proficient in utilizing the fundamental knowledge of basicsciences, mathematics and Information Technology for the applications relevant to various streams of Engineering and Technology.
PEO2	To enrich graduates with the core competencies necessary for applying knowledge of computers and telecommunications equipment to store, retrieve, transmit, manipulateand analyze data in the context of business enterprise.
PEO3	To enable the graduates to improve logical thinking, pursue lifelong learning and understand technical issues related to computing systems and optimal design solutions.
PEO4	To enable the graduates in gaining employment in industry and stabilize themselves as competent professionals in applying their technical skills in real time problems andmeet the diversified needs of industry, academia and research.

1. **Programme Outcomes(POs) and Programme Specific Outcomes (PSOs) for the Institute**

Programme Outcomes (Pos) Engineering Graduates will be able to:

PO1	**Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	**Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principlesof mathematics, natural sciences, and engineering sciences.
PO3	**Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	**Conduct investigations of complex problems:** Use research-based knowledge andresearch methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	**Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complexengineering activities with an understanding of the limitations.
PO6	**The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequentresponsibilities relevant to the professional engineering practice.
PO7	**Environment and sustainability:** Understand the impact of the professionalengineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8	**Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	**Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

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PO10	**Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11	**Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12	**Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technologicalchange.

2. Programme Specific Outcomes (PSOs) for Information Technology

PSO1	To create, select, and apply appropriate techniques, resources, modern engineering andIT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
PSO2	To manage complex IT projects with consideration of the human, financial, ethical and environmental factors and an understanding of risk management processes, andoperational and policy implications.

3. Assessment tools and process used for measuring the attainment of each of the program outcomes and program specific outcomes

Overall attainment including direct and indirect survey:

- Weightage to direct assessment : 80%
- Weightage to indirect assessment: 20%

4. List of Courses for Regulation 2017
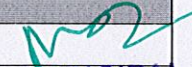
S.No	Course	Subject	Course
**SEMESTER I**				
1	C101	HS8151	Communicative English
2	C102	MA8151	Engineering Mathematics – I
3	C103	PH8151	Engineering Physics
4	C104	CY8151	Engineering Chemistry
5	C105	GE8151	Problem Solving and Python Programming
6	C106	GE8152	Engineering Graphics
7	C107	GE8161	Problem Solving and Python Programming Laboratory
8	C108	BS8161	Physics and Chemistry Laboratory
**SEMESTER II**				
9	C109	HS8251	Technical English
10	C110	MA8251	Engineering Mathematics - II
11	C111	PH8252	Physics for Information Science
12	C112	BE8255	Basic Electrical, Electronics and Measurement Engineering
13	C113	IT8201	Information Technology Essentials
14	C114	CS8251	Programming in C
15	C115	GE8261	Engineering Practices Laboratory

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16	C116	CS8261	C Programming Laboratory
17	C117	IT8211	Information Technology Essentials Laboratory
SEMESTER III			
18	C201	MA8351	Discrete Mathematics
19	C202	CS8351	Digital Principles and System Design
20	C203	CS8391	Data Structures
21	C204	CS8392	Object Oriented Programming
22	C205	EC8394	Analog and Digital Communication
23	C206	CS8381	Data Structures Laboratory
24	C207	CS8383	Object Oriented Programming Laboratory
25	C208	CS8382	Digital Systems Laboratory
26	C209	HS8381	Interpersonal Skills/Listening & Speaking
SEMESTER IV			
27	C210	MA8391	Probability and Statistics
28	C211	CS8491	Computer Architecture
29	C212	CS8492	Database Management Systems
30	C213	CS8451	Design and Analysis of Algorithms
31	C214	CS8493	Operating Systems
32	C215	GE8291	Environmental Science and Engineering
33	C216	CS8481	Database Management Systems Laboratory
34	C217	CS8461	Operating Systems Laboratory
35	C218	HS8461	Advanced Reading and Writing
SEMESTER V			
36	C301	MA8551	Algebra and Number Theory
37	C302	CS8591	Computer Networks
38	C303	EC8691	Microprocessors and Microcontrollers
39	C304	IT8501	Web Technology
40	C305	CS8494	Software Engineering
41	C306	OMD551	Open Elective I Basic of Biomedical Instrumentation
42	C307	EC8681	Microprocessors and Microcontrollers Laboratory
43	C308	CS8581	Networks Laboratory
44	C309	IT8511	Web Technology Laboratory
SEMESTER VI			
45	C310	IT8601	Computational Intelligence
46	C311	CS8592	Object Oriented Analysis and Design
47	C312	IT8602	Mobile Communication
48	C313	CS8091	Big Data Analytics
49	C314	CS8092	Computer Graphics and Multimedia
50	C315	IT8076	Professional Elective I :Software Testing
51	C316	CS8662	Mobile Application Development Laboratory
52	C317	CS8582	Object Oriented Analysis and Design Laboratory
53	C318	IT8611	Mini Project
54	C319	HS8581	Professional Communication
SEMESTER VII			
55	C401	MG8591	Principles of Management
56	C402	CS8792	Cryptography and Network Security

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57	C403	CS8791	Cloud Computing
58	C404	OME752	Open Elective II : Supply Chain Management
59	C405	IT8075	Professional Elective II : Software Project Management
60	C406	HX8001	Professional Readiness for Industry Employability Enhancement
61	C407	IT8711	FOSS and Cloud Computing Laboratory
62	C408	IT8761	Security Laboratory

SEMESTER VIII

63	C409	GE8076	Professional Elective IV: Professional Ethics in Engineering
64	C410	CS8080	Professional Elective V : Information Retrieval Techniques
65	C411	IT8811	Project Work

5. CO PO MAPPING EACH COURSE FOR REGULATION 2017

CO	Program Outcomes	Program Specific Outcomes

C101 / HS8151 - COMMUNICATIVE ENGLISH

C101	PO1	PO2	PO3	PO 4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO1 2	PSO 1	PSO 2
C101.1	0	0	0	0	0	0	0	0	3	3	2	2	2	2
C101.2	0	0	0	0	0	0	0	0	3	3	2	2	2	2
C101.3	0	0	0	0	0	0	0	0	3	3	2	2	2	2
C101.4	0	0	0	0	0	0	0	0	3	3	2	2	2	2
C101.5	0	0	0	0	0	0	0	0	3	3	2	2	2	2
AVG	0	0	0	0	0	0	0	0	3	3	2	2	2	2
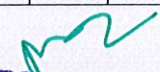
C102 / MA 8151- ENGINEERING MATHEMATICS-I

C102	PO1	PO2	PO3	PO 4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C102.1	3	3	3	3	-	-	-	-	2	-	-	2	2	2
C102.2	3	3	3	3	-	-	-	-	2	-	-	2	2	2
C102.3	3	3	3	3	-	-	-	-	2	-	-	2	2	2
C102.4	3	3	3	3	-	-	-	-	2	-	-	2	2	2
C102.5	3	3	3	3	-	-	-	-	2	-	-	2	2	2
AVG	3	3	3	3	0	0	0	0	2	0	0	2	2	2

C103 / PH 8151- ENGINEERING PHYSICS

C103	PO1	PO2	PO3	PO 4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO1 2	PSO 1	PSO 2
C103.1	3	3	3	-	-	-	2	-	-	-	-	1	2	2
C103.2	3	3	3	-	-	-	2	-	-	-	-	1	2	2
C103.3	3	3	3	-	-	-	2	-	-	-	-	1	2	2
C103.4	3	3	3	-	-	-	2	-	-	-	-	1	2	2
C103.5	3	3	3	-	-	-	2	-	-	-	-	1	2	2
AVG	3	3	3	0	0	0	2	0	0	0	0	1	2	2
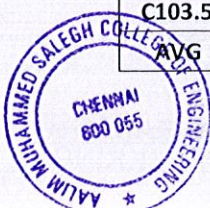
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C104 / CY8151 - ENGINEERING CHEMISTRY

C104	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C104.1	3	2	2	-	-	-	3	-	-	-	-	-	-	1
C104.2	3	2	2	-	-	-	3	-	-	-	-	-	-	1
C104.3	3	2	2	-	-	-	3	-	-	-	-	-	-	1
C104.4	3	2	2	-	-	-	3	-	-	-	-	-	-	1
C104.5	3	2	2	-	-	-	3	-	-	-	-	-	-	1
AVG	3	2	2	0	0	0	3	0	0	0	0	0	0	1

C105 / GE8151 - PROBLEM SOLVING AND PYTHON PROGRAMMING

C105	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C105.1	3	2	2	-	3	-	-	-	-	-	-	2	3	-
C105.2	3	2	2	-	3	-	-	-	-	-	-	2	3	-
C105.3	3	2	2	-	3	-	-	-	-	-	-	2	3	-
C105.4	3	2	2	-	3	-	-	-	-	-	-	2	3	-
C105.5	3	2	2	-	3	-	-	-	-	-	-	2	3	-
AVG	3	2	2	0	3	0	0	0	0	0	0	2	3	0

C106 / GE-8152 ENGINEERING GRAPHICS

C106	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C106.1	3	3	-	-	-	2	-	-	-	-	-	2	2	-
C106.2	3	3	-	-	-	2	-	-	-	-	-	2	2	-
C106.3	3	3	-	-	-	2	-	-	-	-	-	2	2	-
C106.4	3	3	-	-	-	2	-	-	-	-	-	2	2	-
C106.5	3	3	-	-	-	2	-	-	-	-	-	2	2	-
AVG	3	3	0	0	0	2	0	0	0	0	0	2	2	0

C107 / GE8161-PYTHON PROGRAMMING LABORATORY

C107	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C107.1	3	3	3	-	3	-	-	-	-	-	-	2	3	-
C107.2	3	3	3	-	3	-	-	-	-	-	-	2	3	-
C107.3	3	3	3	-	3	-	-	-	-	-	-	2	3	-
C107.4	3	3	3	-	3	-	-	-	-	-	-	2	3	-
C107.5	3	3	3	-	3	-	-	-	-	-	-	2	3	-
AVG	3	3	3	0	3	0	0	0	0	0	0	2	3	0

C108 / BS 8161 - PHYSICS AND CHEMISTRY LAB

C108	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C108.1	3	3	-	-	-	-	-	-	-	-	-	-	2	-
C108.2	3	3	-	-	-	-	-	-	-	-	-	-	2	-

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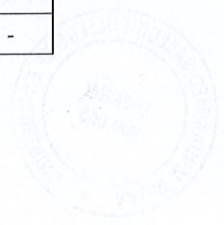
C108.3	3	3	-	-	-	-	-	-	-	-	-	-	2	-
C108.4	3	3	-	-	-	-	-	-	-	-	-	-	2	-
C108.5	3	3	-	-	-	-	-	-	-	-	-	-	2	-
AVG	3	3	0	0	0	0	0	0	0	0	0	0	2	0

C109 / HS8251-TECHNICAL ENGLISH

C109	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C109.1	-	-	-	-	-	-	-	-	3	3	2	2	2	1
C109.2	-	-	-	-	-	-	-	-	3	3	2	2	2	1
C109.3	-	-	-	-	-	-	-	-	3	3	2	2	2	1
C109.4	-	-	-	-	-	-	-	-	3	3	2	2	2	1
C109.5	-	-	-	-	-	-	-	-	3	3	2	2	2	1
AVG	0	0	0	0	0	0	0	0	3	3	2	2	2	1

C110 / MA 8251- ENGINEERING MATHEMATICS-II

C110	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C110.1	3	3	3	-	-	-	-	-	2	-	-	2	2	1
C110.2	3	3	3	-	-	-	-	-	2	-	-	2	2	1
C110.3	3	3	3	-	-	-	-	-	2	-	-	2	2	1
C110.4	3	3	3	-	-	-	-	-	2	-	-	2	2	1
C110.5	3	3	3	-	-	-	-	-	2	-	-	2	2	1
AVG	3	3	3	0	0	0	0	0	2	0	0	2	2	1

C111 / PH 8252- PHYSICS FOR INFORMATION SCIENCE

C111	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C111.1	3	3	2	-	-	-	2	-	-	-	-	2	2	1
C111.2	3	3	2	-	-	-	2	-	-	-	-	2	2	1
C111.3	3	3	2	-	-	-	2	-	-	-	-	2	2	1
C111.4	3	3	2	-	-	-	2	-	-	-	-	2	2	1
C111.5	3	3	2	-	-	-	2	-	-	-	-	2	2	1
AVG	3	3	2	0	0	0	2	0	0	0	0	2	2	1

C112 / BE8255-BASIC ELECTRICAL AND MEASUREMENT ENGINEERING

C112	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C112.1	3	2	-	-	-	-	-	-	-	-	-	-	1	-
C112.2	3	2	-	-	-	-	-	-	-	-	-	-	1	-
C112.3	3	2	-	-	-	-	-	-	-	-	-	-	1	-
C112.4	3	2	-	-	-	-	-	-	-	-	-	-	1	-
C112.5	3	2	-	-	-	-	-	-	-	-	-	-	1	-
AVG	3	2	0	0	0	0	0	0	0	0	0	0	1	0

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C113 / IT8201-INFORMATION TECHNOLOGY ESSENTIALS

C113	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C113.1	3	3	3	-	3	-	-	-	-	2	1	2	2	1
C113.2	3	3	3	-	3	-	-	-	-	2	1	2	2	1
C113.3	3	3	3	-	3	-	-	-	-	2	1	2	2	1
C113.4	3	3	3	-	3	-	-	-	-	2	1	2	2	1
C113.5	3	3	3	-	3	-	-	-	-	2	1	2	2	1
AVG	3	3	3	0	3	0	0	0	0	2	1	2	2	1

C114 / CS 8251- PROGRAMMING IN C

C114	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C114.1	3	3	3	-	3	-	-	-	-	-	-	2	2	-
C114.2	3	3	3	-	3	-	-	-	-	-	-	2	2	-
C114.3	3	3	3	-	3	-	-	-	-	-	-	2	2	-
C114.4	3	3	3	-	3	-	-	-	-	-	-	2	2	-
C114.5	3	3	3	-	3	-	-	-	-	-	-	2	2	-
AVG	3	3	3	0	3	0	0	0	0	0	0	2	2	0

C115 / GE8261-ENGINEERING PRACTICES LABORATORY

C115	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C115.1	3	3	-	-	-	3	-	-	-	-	-	1	2	-
C115.2	3	3	-	-	-	3	-	-	-	-	-	1	2	-
C115.3	3	3	-	-	-	3	-	-	-	-	-	1	2	-
C115.4	3	3	-	-	-	3	-	-	-	-	-	1	2	-
C115.5	3	3	-	-	-	3	-	-	-	-	-	1	2	-
AVG	3	3	0	0	0	3	0	0	0	0	0	1	2	0

C116 / CS8261-C -PROGRAMMING LABORATORY

C116	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C116.1	3	3	3	-	3	-	-	-	-	-	-	2	2	-
C116.2	3	3	3	-	3	-	-	-	-	-	-	2	2	-
C116.3	3	3	3	-	3	-	-	-	-	-	-	2	2	-
C116.4	3	3	3	-	3	-	-	-	-	-	-	2	2	-
C116.5	3	3	3	-	3	-	-	-	-	-	-	2	2	-
AVG	3	3	3	0	3	0	0	0	0	0	0	2	2	0

C117 / IT8211- INFORMATION TECHNOLOGY ESSENTIALS LABORATORY

C117	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C117.1	3	3	3	-	3	-	-	-	-	2	2	2	2	1
C117.2	3	3	3	-	3	-	-	-	-	2	2	2	2	1
C117.3	3	3	3	-	3	-	-	-	-	2	2	2	2	1
C117.4	3	3	3	-	3	-	-	-	-	2	2	2	2	1
C117.5	3	3	3	-	3	-	-	-	-	2	2	2	2	1
AVG	3	3	3	0	3	0	0	0	0	2	2	2	2	1

C201 / MA8351- Discrete Mathematics

C201	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C201.1	3	3	2	-	-	-	-	-	-	-	-	1	3	-
C201.2	3	3	2	-	-	-	-	-	-	-	-	1	3	-
C201.3	3	3	2	-	-	-	-	-	-	-	-	1	3	-
C201.4	3	3	2	-	-	-	-	-	-	-	-	1	3	-
C201.5	3	3	2	-	-	-	-	-	-	-	-	1	3	-
AVG	3	3	2	0	0	0	0	0	0	0	0	1	3	0

C202 / CS8351- Digital Principles and system Design

C202	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C202.1	3	3	3	-	-	-	-	-	-	-	-	-	2	-
C202.2	3	3	3	-	-	-	-	-	-	-	-	-	2	-
C202.3	3	3	3	-	-	-	-	-	-	-	-	-	2	-
C202.4	3	3	3	-	-	-	-	-	-	-	-	-	2	-
C202.5	3	3	3	-	-	-	-	-	-	-	-	-	2	-
AVG	3	3	3	0	0	0	0	0	0	0	0	0	2	0

C203 / CS8391- Data Structures

C203	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C203.1	3	3	3	-	-	-	-	-	-	-	-	-	2	-
C203.2	3	3	3	-	-	-	-	-	-	-	-	-	2	-
C203.3	3	3	3	-	-	-	-	-	-	-	-	-	2	-
C203.4	3	3	3	-	-	-	-	-	-	-	-	-	2	-
AVG	3	3	3	0	0	0	0	0	0	0	0	0	2	0

PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

C204 / CS8392- Object Oriented Programming

C204	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C204.1	2	2	3	-	3	-	-	-	-	-	-	-	2	-
C204.2	2	2	3	-	3	-	-	-	-	-	-	-	2	-
C204.3	2	2	3	-	3	-	-	-	-	-	-	-	2	-
C204.4	2	2	3	-	3	-	-	-	-	-	-	-	2	-
C204.5	2	2	3	-	3	-	-	-	-	-	-	-	2	-
AVG	2	2	3	0	3	0	0	0	0	0	0	0	2	0

C205 / EC8394- Analog and Digital Communications

C205	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C205.1	3	3	2	-	-	-	-	-	-	-	-	-	2	-
C205.2	3	3	2	-	-	-	-	-	-	-	-	-	2	-
C205.3	3	3	2	-	-	-	-	-	-	-	-	-	2	-
C205.4	3	3	2	-	-	-	-	-	-	-	-	-	2	-
C205.5	3	3	2	-	-	-	-	-	-	-	-	-	2	-
AVG	3	3	2	0	0	0	0	0	0	0	0	0	2	0

C206 / CS8381 DATA STRUCTURES LABORATORY

C206	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C206.1	3	3	3	-	2	-	-	-	-	-	-	-	3	-
C206.2	3	3	3	-	2	-	-	-	-	-	-	-	3	-
C206.3	3	3	3	-	2	-	-	-	-	-	-	-	3	-
C206.4	3	3	3	-	2	-	-	-	-	-	-	-	3	-
C206.5	3	3	3	-	2	-	-	-	-	-	-	-	3	-
AVG	3	3	3	0	2	0	0	0	0	0	0	0	3	0

C207 / CS8383 Object Oriented Programming Laboratory

C207	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C207.1	3	3	3	-	2	-	-	-	-	-	-	-	2	-
C207.2	3	3	3	-	2	-	-	-	-	-	-	-	2	-
C207.3	3	3	3	-	2	-	-	-	-	-	-	-	2	-
C207.4	3	3	3	-	2	-	-	-	-	-	-	-	2	-
C207.5	3	3	3	-	2	-	-	-	-	-	-	-	2	-
AVG	3	3	3	0	2	0	0	0	0	0	0	0	2	0
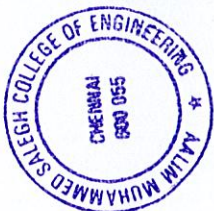
PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

C208 / CS8382 Digital Systems Laboratory

C208	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C208.1	3	3	3	-	2	-	-	-	-	-	-	-	3	-
C208.2	3	3	3	-	2	-	-	-	-	-	-	-	3	-
C208.3	3	3	3	-	2	-	-	-	-	-	-	-	3	-
C208.4	3	3	3	-	2	-	-	-	-	-	-	-	3	-
C208.5	3	3	3	-	2	-	-	-	-	-	-	-	3	-
AVG	3	3	3	0	2	0	0	0	0	0	0	0	3	0

C209 / HS8381 INTERPERSONAL SKILLS/LISTENING & SPEAKING

C209	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C209.1	-	-	-	-	-	-	-	-	3	3	1	3	2	2
C209.2	-	-	-	-	-	-	-	-	3	3	1	3	2	2
C209.3	-	-	-	-	-	-	-	-	3	3	1	2	2	2
C209.4	-	-	-	-	-	-	-	-	3	3	1	2	2	2
C209.5	-	-	-	-	-	-	-	-	3	3	1	2	2	2
AVG	0	0	0	0	0	0	0	0	3	3	1	2.4	2	2

C210 / MA8391 PROBALITY AND STATICSTICS

C210	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C210.1	3	3	3	-	-	-	-	-	-	-	-	-	2	-
C210.2	3	3	3	-	-	-	-	-	-	-	-	-	2	-
C210.3	3	3	3	-	-	-	-	-	-	-	-	-	2	-
C210.4	3	3	3	-	-	-	-	-	-	-	-	-	2	-
C210.5	3	3	3	-	-	-	-	-	-	-	-	-	2	-
AVG	3	3	3	0	0	0	0	0	0	0	0	0	2	0

C211 / CS8491 COMPUTER ARCHITETURE

C211	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C211.1	3	2	3	-	-	-	-	-	-	-	-	-	2	-
C211.2	3	2	3	-	-	-	-	-	-	-	-	-	2	-
C211.3	3	2	3	-	-	-	-	-	-	-	-	-	2	-
C211.4	3	2	3	-	-	-	-	-	-	-	-	-	2	-
C211.5	3	2	3	-	-	-	-	-	-	-	-	-	2	-
AVG	3	2	3	0	0	0	0	0	0	0	0	0	2	0

PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

C212 / CS8492 Database Management systems

C212	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C212.1	3	2	3	-	-	-	-	-	-	-	-	-	2	-
C212.2	3	2	3	-	-	-	-	-	-	-	-	-	2	-
C212.3	3	2	3	-	-	-	-	-	-	-	-	-	2	-
C212.4	3	2	3	-	-	-	-	-	-	-	-	-	2	-
C212.5	3	2	3	-	-	-	-	-	-	-	-	-	2	-
AVG	3	2	3	0	0	0	0	0	0	0	0	0	2	0

C213 / CS8451 DESIGN AND ANALYSIS OF ALGORITHMS

C213	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C213.1	3	3	2	2	-	-	-	-	-	-	-	-	2	-
C213.2	3	3	2	2	-	-	-	-	-	-	-	-	2	-
C213.3	3	3	2	2	-	-	-	-	-	-	-	-	2	-
C213.4	3	3	2	2	-	-	-	-	-	-	-	-	2	-
C213.5	3	3	2	2	-	-	-	-	-	-	-	-	2	-
AVG	3	3	2	2	0	0	0	0	0	0	0	0	2	0

C214 / CS8493 OPERATING SYSTEMS

C214	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C214.1	3	1	3	-	-	-	-	-	-	-	-	-	2	-
C214.2	3	1	3	-	-	-	-	-	-	-	-	-	2	-
C214.3	3	1	3	-	-	-	-	-	-	-	-	-	2	-
C214.4	3	1	3	-	-	-	-	-	-	-	-	-	2	-
C214.5	3	1	3	-	-	-	-	-	-	-	-	-	2	-
AVG	3	1	3	0	0	0	0	0	0	0	0	0	2	0

C215 / GE8291 ENVIRONMENT SCIENCE AND ENGINEERING

C215	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C215.1	-	-	-	-	-	-	3	-	-	-	-	-	-	2
C215.2	-	-	-	-	-	-	3	-	-	-	-	-	-	2
C215.3	-	-	-	-	-	-	3	-	-	-	-	-	-	2
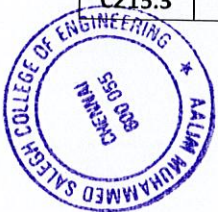
C215.4	-	-	-	-	-	-	3	-	-	-	-	-	-	2
C215.5	-	-	-	-	-	-	3	-	-	-	-	-	-	2
AVG	0	0	0	0	0	0	3	0	0	0	0	0	0	2

C216 / CS8481DATABASE MANAGEMENT SYSTEM LABORATORY

C216	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C216.1	3	2	3	-	2	-	-	-	-	-	-	-	2	-
C216.2	3	2	3	-	2	-	-	-	-	-	-	-	2	-
C216.3	3	2	3	-	2	-	-	-	-	-	-	-	2	-
C216.4	3	2	3	-	2	-	-	-	-	-	-	-	2	-
C216.5	3	2	3	-	2	-	-	-	-	-	-	-	2	-
AVG	3	2	3	0	2	0	0	0	0	0	0	0	2	0

C217 / CS8461 OPERATING SYSTEM LABORATORY

C217	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C217.1	3	1	3	-	-	-	-	-	-	-	-	-	2	-
C217.2	3	1	3	-	-	-	-	-	-	-	-	-	2	-
C217.3	3	1	3	-	-	-	-	-	-	-	-	-	2	-
C217.4	3	1	3	-	-	-	-	-	-	-	-	-	2	-
C217.5	3	1	3	-	-	-	-	-	-	-	-	-	2	-
AVG	3	1	3	0	0	0	0	0	0	0	0	0	2	0

C218 / HS8461 ADAVANCE READING AND WRITING

C218	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C218.1	-	-	-	-	-	-	-	-	3	3	1	2	2	1
C218.2	-	-	-	-	-	-	-	-	3	3	1	2	2	1
C218.3	-	-	-	-	-	-	-	-	3	3	1	2	2	1
C218.4	-	-	-	-	-	-	-	-	3	3	1	2	2	1
C218.5	-	-	-	-	-	-	-	-	3	3	1	2	2	1
AVG	0	0	0	0	0	0	0	0	3	3	1	2	2	1

C301 / MA8551- ALGEBRA AND NUMBER THEORY

C301	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C301.1	3	3	2	-	-	-	-	-	-	-	-	-	2	-
C301.2	3	3	2	-	-	-	-	-	-	-	-	-	2	-
C301.3	3	3	2	-	-	-	-	-	-	-	-	-	2	-
C301.4	3	3	2	-	-	-	-	-	-	-	-	-	2	-
C301.5	3	3	2	-	-	-	-	-	-	-	-	-	2	-
AVG	3	3	2	0	0	0	0	0	0	0	0	0	2	0

PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

C302 / CS8591 COMPUTER NETWORKS

C302	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C302.1	3	1	2	-	-	-	-	-	-	-	-	-	2	-
C302.2	3	1	2	-	-	-	-	-	-	-	-	-	2	-
C302.3	3	1	2	-	-	-	-	-	-	-	-	-	2	-
C302.4	3	1	2	-	-	-	-	-	-	-	-	-	2	-
C302.5	3	1	2	-	-	-	-	-	-	-	-	-	2	-
AVG	3	1	2	0	0	0	0	0	0	0	0	0	2	0

C303 / EC8691-MICROPROCESSORS AND MICRO CONTROLLERS

C303	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C303.1	3	2	3	-	-	-	-	-	-	-	-	-	2	-
C303.2	3	2	3	-	-	-	-	-	-	-	-	-	2	-
C303.3	3	2	3	-	-	-	-	-	-	-	-	-	2	-
C303.4	3	2	3	-	-	-	-	-	-	-	-	-	2	-
C303.5	3	2	3	-	-	-	-	-	-	-	-	-	2	-
AVG	3	2	3	0	0	0	0	0	0	0	0	0	2	0

C304 / IT8501- WEB TECHNOLOGY

C304	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C304.1	3	1	1	-	3	-	-	-	-	-	-	-	2	-
C304.2	3	1	1	-	3	-	-	-	-	-	-	-	2	-
C304.3	3	1	1	-	3	-	-	-	-	-	-	-	2	-
C304.4	3	1	1	-	3	-	-	-	-	-	-	-	2	-
C304.5	3	1	1	-	3	-	-	-	-	-	-	-	2	-
AVG	3	1	1	0	3	0	0	0	0	0	0	0	2	0

C305 / CS8494 SOFTWARE ENGINEERING

C305	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C305.1	3	1	2	-	-	-	-	-	-	3	-	-	2	-
C305.2	3	1	2	-	-	-	-	-	-	3	-	-	2	-
C305.3	3	1	2	-	-	-	-	-	-	3	-	-	2	-
C305.4	3	1	2	-	-	-	-	-	-	3	-	-	2	-
C305.5	3	1	2	-	-	-	-	-	-	3	-	-	2	-
AVG	3	1	2	0	0	0	0	0	0	3	0	0	2	0
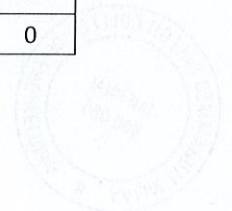
C306 / OMD 551 BASICS OF BIOMEDICAL INSTRUMENTATION

C306	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C306.1	-	-	-	2	-	1	-	-	-	-	-	-	-	1
C306.2	-	-	-	2	-	1	-	-	-	-	-	-	-	1
C306.3	3	2	2	2	2	1	-	-	-	-	-	-	2	1
C306.4	-	-	2	2	2	1	-	-	-	-	-	-	2	1
C306.5	-	-	2	2	2	1	-	-	-	-	-	-	2	1
AVG	3	2	2	2	2	1	0	0	0	0	0	0	2	1

C307 / EC8681 MICROPROCESSOR AND MICROCONTROLLER LABORATORY

C307	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C307.1	3	2	3	-	2	-	-	-	-	-	-	-	2	-
C307.2	3	2	3	-	2	-	-	-	-	-	-	-	2	-
C307.3	3	2	3	-	2	-	-	-	-	-	-	-	2	-
C307.4	3	2	3	-	2	-	-	-	-	-	-	-	2	-
C307.5	3	2	3	-	2	-	-	-	-	-	-	-	2	-
AVG	3	2	3	0	2	0	0	0	0	0	0	0	2	0

C308 / CS8581-NETWORKS LABORATORY

C308	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C308.1	3	1	1	-	3	-	-	-	-	-	-	-	2	-
C308.2	3	1	1	-	3	-	-	-	-	-	-	-	2	-
C308.3	3	1	1	-	3	-	-	-	-	-	-	-	2	-
C308.4	3	1	1	-	3	-	-	-	-	-	-	-	2	-
C308.5	3	1	1	-	3	-	-	-	-	-	-	-	2	-
AVG	3	1	1	0	3	0	0	0	0	0	0	0	2	0

C309 / IT8511 WEB TECHNOLOGY LABORATORY

C309	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C309.1	3	1	1	-	3	-	-	-	-	-	-	-	1	2
C309.2	3	1	1	-	3	-	-	-	-	-	-	-	1	2
C309.3	3	1	1	-	3	-	-	-	-	-	-	-	1	2
C309.4	3	1	1	-	3	-	-	-	-	-	-	-	1	2
C309.5	3	1	1	-	3	-	-	-	-	-	-	-	1	2
AVG	3	1	1	0	3	0	0	0	0	0	0	0	1	2

PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

C310 / IT8601 COMPUTATIONAL INTELLIGENCE

C310	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C310.1	3	3	3	3	-	2	-	-	-	-	-	-	2	1
C310.2	3	3	3	3	-	2	-	-	-	-	-	-	2	1
C310.3	3	3	3	3	-	2	-	-	-	-	-	-	2	1
C310.4	3	3	3	3	-	2	-	-	-	-	-	-	2	1
C310.5	3	3	3	3	-	2	-	-	-	-	-	-	2	1
AVG	3	3	3	3	0	2	0	0	0	0	0	0	2	1

C311 / CS8592 OBJECT ORIENTED ANALYSIS AND DESIGN

C311	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C311.1	3	3	3	3	-	-	-	-	-	-	-	-	2	1
C311.2	3	3	3	3	-	-	-	-	-	-	-	-	2	1
C311.3	3	3	3	3	-	-	-	-	-	-	-	-	2	1
C311.4	3	3	3	3	-	-	-	-	-	-	-	-	2	1
C311.5	3	3	3	3	-	-	-	-	-	-	-	-	2	1
AVG	3	3	3	3	0	0	0	0	0	0	0	0	2	1

C312 / IT8602 MOBILE COMMUNICATION

C312	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C312.1	3	2	3	-	-	-	-	-	-	-	-	-	2	-
C312.2	3	2	3	-	-	-	-	-	-	-	-	-	2	-
C312.3	3	2	3	-	-	-	-	-	-	-	-	-	2	-
C312.4	3	2	3	-	-	-	-	-	-	-	-	-	2	-
C312.5	3	2	3	-	-	-	-	-	-	-	-	-	2	-
AVG	3	2	3	0	0	0	0	0	0	0	0	0	2	0

C313 / CS8091-Big Data Analytics

C313	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C313.1	3	3	3	3	-	2	-	-	-	-	-	-	2	1
C313.2	3	3	3	3	-	2	-	-	-	-	-	-	2	1
C313.3	3	3	3	3	-	2	-	-	-	-	-	-	2	1
C313.4	3	3	3	3	-	2	-	-	-	-	-	-	2	1
C313.5	3	3	3	3	-	2	-	-	-	-	-	-	2	1
AVG	3	3	3	3	0	2	0	0	0	0	0	0	2	1

PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

C314 / Subject Code and Name: CS8092 - Computer Graphics and Multimedia

C314	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C314.1	3	-	3	-	2	-	-	-	-	-	-	-	2	-
C314.2	3	-	3	-	2	-	-	-	-	-	-	-	2	-
C314.3	3	-	3	-	2	-	-	-	-	-	-	-	2	-
C314.4	3	-	3	-	2	-	-	-	-	-	-	-	2	-
C314.5	3	-	3	-	2	-	-	-	-	-	-	-	2	-
AVG	3	0	3	0	2	0	0	0	0	0	0	0	2	0

C315 / IT8076-Software Testing

C315	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C315.1	2	2	-	3	-	-	-	-	-	-	-	-	1	1
C315.2	2	2	-	3	-	-	-	-	-	-	-	-	1	1
C315.3	2	2	-	3	-	-	-	-	-	-	-	-	1	1
C315.4	2	2	-	3	-	-	-	-	-	-	-	-	1	1
C315.5	2	2	-	3	-	-	-	-	-	-	-	-	1	1
AVG	2	2	0	3	0	0	0	0	0	0	0	0	1	1

C316 / CS8662 - Mobile Application Development Laboratory

C316	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C316.1	1	-	2	-	3	-	-	-	-	-	-	-	2	-
C316.2	1	-	2	-	3	-	-	-	-	-	-	-	2	-
C316.3	1	-	2	-	3	-	-	-	-	-	-	-	2	-
C316.4	1	-	2	-	3	-	-	-	-	-	-	-	2	-
C316.5	1	-	2	-	3	-	-	-	-	-	-	-	2	-
AVG	1	0	2	0	3	0	0	0	0	0	0	0	2	0

C317 / CS8582 - Object Oriented Analysis and Design Laboratory

C317	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C317.1	3	3	3	2	3	-	-	-	-	-	-	-	2	1
C317.2	3	3	3	2	3	-	-	-	-	-	-	-	2	1
C317.3	3	3	3	2	3	-	-	-	-	-	-	-	2	1
C317.4	3	3	3	2	3	-	-	-	-	-	-	-	2	1
C317.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AVG	3	3	3	2	3	0	0	0	0	0	0	0	2	1

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C318 / IT8611 MINI PROJECT

C318	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C318.1	3	3	3	1	3	3	3	-	-	-	-	-	2	2
C318.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C318.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C318.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C318.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AVG	3	3	3	1	3	3	3	0	0	0	0	0	2	2

C319 / HS8581 Professional Communication

C319	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C319.1	-	-	-	-	-	-	-	-	-	3	-	-	1	-
C319.2	-	-	-	-	-	-	-	-	3	-	-	-	1	-
C319.3	-	-	-	-	-	-	-	-	-	-	-	1	-	-
C319.4	-	-	2	-	1	-	-	-	-	-	-	-	1	-
C319.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AVG	0	0	2	0	1	0	0	0	3	3	0	1	1	0

C401 / MG8591 Principles of Management

C401	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C401.1	-	-	-	-	-	-	-	2	2	3	3	2	1	2
C401.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C401.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C401.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C401.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AVG	0	0	0	0	0	0	0	2	2	3	3	2	1	2

C402 / CS8792 Cryptography and Network Security

C402	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C402.1	3	3	3	2	-	2	-	-	-	-	-	-	2	1
C402.2	3	3	3	2	-	2	-	-	-	-	-	-	2	1
C402.3	3	3	3	2	-	2	-	-	-	-	-	-	2	1
C402.4	3	3	3	2	-	2	-	-	-	-	-	-	2	1
C402.5	3	3	3	2	-	2	-	-	-	-	-	-	2	1
AVG	3	3	3	2	0	2	0	0	0	0	0	0	2	1

C403 / CS8791 Cloud Computing

C403	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C403.1	2	3	3	2	-	2	-	-	-	-	-	-	2	1
C403.2	2	3	3	2	-	2	-	-	-	-	-	-	2	1
C403.3	2	3	3	2	-	2	-	-	-	-	-	-	2	1
C403.4	2	3	3	2	-	2	-	-	-	-	-	-	2	1
C403.5	2	3	3	2	-	2	-	-	-	-	-	-	2	1
AVG	2	3	3	2	0	2	0	0	0	0	0	0	2	1

C404 / OME752 Supply Chain Management

C404	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C404.1	-	-	1	-	-	-	2	-	1	2	3	-	1	2
C404.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C404.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C404.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C404.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AVG	0	0	1	0	0	0	2	0	1	2	3	0	1	2

C405 / IT8075 Software Project Management

C405	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C405.1	-	-	-	-	-	-	-	1	2	2	3	1	1	1
C405.2	-	-	-	-	-	-	-	1	2	2	3	1	1	1
C405.3	-	-	-	-	-	-	-	1	2	2	3	1	1	1
C405.4	-	-	-	-	-	-	-	1	2	2	3	1	1	1
C405.5	-	-	-	-	-	-	-	1	2	2	3	1	1	1
AVG	0	0	0	0	0	0	0	1	2	2	3	1	1	1

C406 / HX8001 - Professional Readiness for Industry Employability Enhancement

C406	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C406.1	3	3	3	3	3	2	2	1	3	3	3	2	2	2
C406.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C406.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C406.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C406.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AVG	3	3	3	3	3	2	2	1	3	3	3	2	2	2

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C407 / IT8711 FOSS and Cloud Computing Laboratory

C407	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C407.1	2	3	3	2	3	2	-	-	-	-	-	-	2	1
C407.2	2	3	3	2	3	2	-	-	-	-	-	-	2	1
C407.3	2	3	3	2	3	2	-	-	-	-	-	-	2	1
C407.4	2	3	3	2	3	2	-	-	-	-	-	-	2	1
C407.5	2	3	3	2	3	2	-	-	-	-	-	-	2	1
AVG	2	3	3	2	3	2	0	0	0	0	0	0	2	1

C408 / IT8761 Security Laboratory

C408	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C408.1	3	3	3	2	-	3	-	-	-	-	-	-	2	1
C408.2	3	3	3	2	-	3	-	-	-	-	-	-	2	1
C408.3	3	3	3	2	-	3	-	-	-	-	-	-	2	1
C408.4	3	3	3	2	-	3	-	-	-	-	-	-	2	1
C408.5	3	3	3	2	-	3	-	-	-	-	-	-	2	1
AVG	3	3	3	2	0	3	0	0	0	0	0	0	2	1

C409 / GE8076 Professional Ethics in Engineering

C409	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C409.1	-	-	-	-	-	-	-	3	-	-	-	3	-	1
C409.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C409.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C409.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C409.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AVG	0	0	0	0	0	0	0	3	0	0	0	3	0	1

C410 / CS8080 Information Retrieval Techniques

C410	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C410.1	3	3	3	-	-	-	-	-	-	-	-	-	2	-
C410.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C410.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C410.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C410.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AVG	3	3	3	0	0	0	0	0	0	0	0	0	2	0

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C411 / IT8811 Project Work

C411	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C411.1	3	3	3	3	3	2	2	1	3	3	3	2	2	2
C411.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C411.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C411.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C411.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AVG	3	3	3	3	3	2	2	1	3	3	3	2	2	2

7. CO PO Matrices

S. No	Course	Subject	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	C101	HS8151	0	0	0	0	0	0	0	0.00	3	3	2	2
2	C102	MA8151	3	3	3	3	0	0	0	0	2	0	0	2
3	C103	PH8151	3	3	3	0	0	0	2	0	0	0.00	0	1
4	C104	CY8151	3	2	2	0	0	0	3	0	0	0	0	0
5	C105	GE8151	3	2	2	0	3	0	0	0	0	0	0	2
6	C106	GE8152	3	3	0	0	0	2	0	0	0	0	0	2
7	C107	GE8161	3	3	3	0	3	0	0	0	0	0	0	2
8	C108	BS8161	3	3	0	0	0	0	0	0	0	0	0	0
9	C109	HS8251	0	0	0	0	0	0	0	0	3	3	2	2
10	C110	MA8251	3	3	3	0	0	0	0	0	2	0	0	2
11	C111	PH8252	3	3	2	0	0	0	2	0	0	0	0	2
12	C112	BE8255	3	2	0	0	0	0	0	0	0	0	0	0
13	C113	IT8201	3	3	3	0	3	0	0	0	0	2	1	2
14	C114	CS8251	3	3	3	0	3	0	0	0	0	0	0	2
15	C115	GE8261	3	3	0	0	0	3	0	0	0	0	0	1
16	C116	CS8261	3	3	3	0	3	0	0	0	0	0	0	2
17	C117	IT8211	3	3	3	0	3	0	0	0	0	2	2	2
18	C201	MA8351	3	3	2	0	0	0	0	0	0	0	0	1
19	C202	CS8351	3	3	3	0	0	0	0	0	0	0	0	0
20	C203	CS8391	3	3	3	0	0	0	0	0	0	0	0	0
21	C204	CS8392	2	2	3	0	3	0	0	0	0	0	0	0
22	C205	EC8394	3	3	2	0	0	0	0	0	0	0	0	0
23	C206	CS8381	3	3	3	0	2	0	0	0	0	0	0	0
24	C207	CS8383	3	3	3	0	2	0	0	0	0	0	0	0
25	C208	CS8382	3	3	3	0	2	0	0	0	0	0	0	0
26	C209	HS8381	0	0	0	0	0	0	0	0	3	3	1	2.4
27	C210	MA8391	3	3	3	0	0	0	0	0	0	0	0	0
28	C211	CS8491	3	2	3	0	0	0	0	0	0	0	0	0
29	C212	CS8492	3	2	3	0	0	0	0	0	0	0	0	0
30	C213	CS8451	3	3	2	2	0	0	0	0	0	0	0	0
31	C214	CS8493	3	1	3	0	0	0	0	0	0	0	0	0
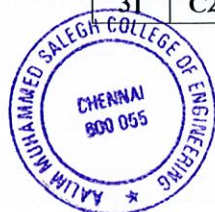
S.No	Course	Subject												
32	C215	GE8291	0	0	0	0	0	0	3	0	0	0	0	0
33	C216	CS8481	3	2	3	0	2	0	0	0	0	0	0	0
34	C217	CS8461	3	1	3	0	0	0	0	0	0	0	0	0
35	C218	HS8461	0	0	0	0	0	0	0	0	3	3	1	2
36	C301	MA8551	3	3	2	0	0	0	0	0	0	0	0	0
37	C302	CS8591	3	1	2	0	0	0	0	0	0	0	0	0
38	C303	EC8691	3	2	3	0	0	0	0	0	0	0	0	0
39	C304	IT8501	3	1	1	0	3	0	0	0	0	0	0	0
40	C305	CS8494	3	1	2	0	0	0	0	0	0	3	0	0
41	C306	OMD551	3	2	2	2	2	1	0	0	0	0	0	0
42	C307	EC8681	3	2	3	0	2	0	0	0	0	0	0	0
43	C308	CS8581	3	1	1	0	3	0	0	0	0	0	0	0
44	C309	IT8511	3.00	1.00	1.00	0	3.00	0	0	0	0	0	0	0
45	C310	IT8601	3	3	3	3	0	2	0	0.00	0	0	0	0
46	C311	CS8592	3	3	3	3	0	0	0	0	0	0	0	0
47	C312	IT8602	3	2	3	0	0.00	0	0	0	0	0	0	0
48	C313	CS8091	3	3	3	3	0	2	0	0	0	0	0	0
49	C314	CS8092	3	0	3	0	2	0	0	0	0	0	0	0
50	C315	IT8076	2	2	0	3	0	0	0	0	0	0	0	0
51	C316	CS8662	1	0.00	2	0.00	3	0	0	0	0	0	0	0
52	C317	CS8582	3	3.00	3	2.00	3	0	0	0	0	0	0	0
53	C318	IT8611	3	3	3	1	3	3	3	0	0.00	0	0	0
54	C319	HS8581	0	0	2	0	1	0	0	0	3	3	0	1
55	C401	MG8591	0	0	0	0	0	0	0	2	2	3	3	2
56	C402	CS8792	3	3	3	2	0	2	0	0	0	0	0	0
57	C403	CS8791	2	3	3	2	0	2	0	0	0	0	0	0
58	C404	OME752	0	0	1	0	0	0	2	0	1	2	3	0
59	C405	IT8075	0	0	0	0	0	0	0	1	2	2	3	1
60	C406	HX8001	3	3	3	3	3	2	2	1	3	3	3	2
61	C407	IT8711	2	3	3	2	3	2	0	0	0	0	0	0
62	C408	IT8761	3	3	3	2	0	3	0	0	0	0	0	0
63	C409	GE8076	0	0	0	0	0	0	0	3	0	0	0	3
64	C410	CS8080	3	3	3	0	0	0	0	0	0	0	0	0
65	C411	IT8811	3	3	3	3	3	2	2	1	3	3	3	2

PSO Mapping matrices

S.No	Course	Subject	PSO1	PSO2
1	C101	HS8151	2	2
2	C102	MA8151	2	2
3	C103	PH8151	2	2
4	C104	CY8151	0	1
5	C105	GE8151	3	0
6	C106	GE8152	2	0
7	C107	GE8161	3	0
8	C108	BS8161	2	0
9	C109	HS8251	2	1

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10	C110	MA8251	2	1
11	C111	PH8252	2	1
12	C112	BE8255	1	0
13	C113	IT8201	2	1
14	C114	CS8251	2	0
15	C115	GE8261	2	0
16	C116	CS8261	2	0
17	C117	IT8211	2	1
18	C201	MA8351	3	0
19	C202	CS8351	2	0
20	C203	CS8391	2	0
21	C204	CS8392	2	0
22	C205	EC8394	2	0
23	C206	CS8381	3	0
24	C207	CS8383	2	0
25	C208	CS8382	3	0
26	C209	HS8381	2	2
27	C210	MA8391	2	0
28	C211	CS8491	2	0
29	C212	CS8492	2	0
30	C213	CS8451	2	0
31	C214	CS8493	2	0
32	C215	GE8291	0	2
33	C216	CS8481	2	0
34	C217	CS8461	2	0
35	C218	HS8461	2	1
36	C301	MA8551	2	0
37	C302	CS8591	2	0
38	C303	EC8691	2	0
39	C304	IT8501	2	0
40	C305	CS8494	2	0
41	C306	OMD551	2	1
42	C307	EC8681	2	0
43	C308	CS8581	2	0
44	C309	IT8511	1.00	2.00
45	C310	IT8601	2	1
46	C311	CS8592	2	1
47	C312	IT8602	2	0
48	C313	CS8091	2	1
49	C314	CS8092	2	0
50	C315	IT8076	1.00	1.00
51	C316	CS8662	2	0
52	C317	CS8582	2.00	1
53	C318	IT8611	2	2
54	C319	HS8581	1	0.00
55	C401	MG8591	1	2
56	C402	CS8792	2	1
57	C403	CS8791	2	1
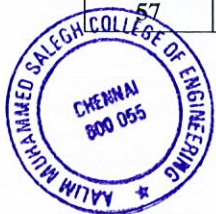
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58	C404	OME752	1	2
59	C405	IT8075	1	1
60	C406	HX8001	2	2
61	C407	IT8711	2	1
62	C408	IT8761	2	1
63	C409	GE8076	0	1
64	C410	CS8080	2	0
65	C411	IT8811	2	2