EXCEL ENGINEERING COLLEGE (AUTONOMOUS)
KOMARAPALAYAM -637 303
DEPARTMENT OF AERONAUTICAL ENGINEERING

UG B.E AERONAUTICAL ENGINEERING
List of Faculty Members Using ICT for Teaching

S.No	Name/ Designation	Name of the Subject	ICT Tools Used
1	Dr.S.P.Venkatesan Professor & Head	Aircraft Systems and Instruments	• PPT • Videos Lecturing • Practical Demonstration https://www.youtube.com/watch?v=OiVCX04YJMY&list=PLJajZTQ93Lxy RSauQAP1wJfuOSX7UTjQL
2	Dr.D.Devakumar Professor	Aircraft Structures - I	• PPT • NPTEL Videos • Animations https://www.youtube.com/watch?v=aYB2h_tUfYM
3	Dr.R.Rajasekar Professor	Elements of Aeronautics	• PPT • NPTEL Videos • Demonstration in Laboratory https://www.youtube.com/watch?v=YyeX6ArxCYI
4	Dr.P.Karunakaran Professor	Manufacturing Technology	• PPT • NPTEL Videos • Video lecturing • Video presentation • http://www.nptelvideos.in/2012/12/advanced-materials-and-processes.html
5	Mr.A.Karthikeyan Assosicate Professor	Mechanics of Machines	• PPT • NPTEL Videos • Practical Demonstration • http://www.nptelvideos.in/2012/12/principles-of-mechanical-measurements.html
6	Mr.K.Vijaybabu Assosicate Professor	Fluid Mechanics and Machinery	• PPT • NPTEL Videos • Demonstration in Laboratory • Brainstorming https://www.youtube.com/watch?v=HEj-QljWXgs&list=PLm_MSClsnwm-3P9zRcXPyyEBvz3qGycHV
7	Mr.P.V.Prakaash Assistant Professor	Aero Engineering Thermodynamics	• PPT • NPTEL Videos • Demonstration in Laboratory http://www.nptelvideos.in/2012/12/basic-thermodynamics.html

8	Mr.N.Sreenivasaraja Assistant Professor	Total Quality Management	• PPT • Video lecturing • Role play • http://www.nptelvideos.in/2012/12/operations-and-supply-chain-management.html
9	Mr.S.Balasundaram Assistant Professor	Flight Dynamics	• PPT • NPTEL Videos • OHP http://www.nptelvideos.in/2012/11/flight-dynamics-ii-stability_27.html
10	Mr.S.Prabhu Assistant Professor	Composite Materials and Structures	• PPT • NPTEL Videos • Video lecturing https://www.youtube.com/watch?v=Hzal27tlHME&list=PL7gQ0ht5fZjumcE5Xyf34ZAnhxi8FOUu
11	Mr.D.Vadivel Assistant Professor	Finite Element Methods	• PPT • NPTEL Videos • http://www.nptelvideos.in/2012/12/finite-element-method.html
12	Mr.G.Velmurugan Assistant Professor	Propulsion - II	• PPT • NPTEL Videos • Demonstration in Laboratory • https://youtu.be/BDPMaSLwyLY
13	Mr.J.Senthil Kumar Assistant Professor	Aircraft Materials and Processes	• Practical Demonstration in Laboratory • Video lecturing • https://www.youtube.com/watch?v=X8PhhtA4xxE&list=PLOby6NKZ6AbjFdZYwUM_3IEWPCbrFcynG&index=3
14	Mr.S.Karthik Assistant Professor	Finite Element Methods	• Animation videos • Video presentation • Video lecturing http://www.nptelvideos.in/2012/12/finite-element-method.html
15	Mr.S.Prashanth Assistant Professor	Aircraft General Engineering and Maintenance Practices	• PPT • NPTEL Videos • Demonstration in Laboratory http://www.nptelvideos.in/2012/12/manufacturing-systems-management.html
16	Mr.M.G.Rajagopal Assistant Professor	Vibrations and Elements of Aero elasticity	• NPTEL Videos • http://www.nptelvideos.in/2012/11/aero-elasticity_27.html
17	Mr.S.R.Arun Assistant Professor	Propulsion - I	• PPT • NPTEL Videos • http://www.nptelvideos.in/2012/11/jet-aircraft-propulsion.html
18	Mr.P.Deepakkumar Assistant Professor	Rockets and Missiles	• PPT • NPTEL Videos • Video lecturing http://www.nptelvideos.in/2012/12/rocket-propulsion.html

|	Name	Subject	Methods/Resources
	Mr.M.Sanjay Assistant Professor	Aircraft Structures - II	• PPT • NPTEL Videos • Video presentation https://youtu.be/C8JHSiR_jM?t=5
20	Mrs.L.Muthumari Assistant Professor	Aerospace Guidance and Control	• PPT • NPTEL Videos • Video presentation http://www.nptelvideos.in/2012/11/introduction-to-aerospace-propulsion.html
21	Mr.A.Abdulrahman Assistant Professor	Aircraft Design Project - I	• PPT • Video lecturing • Video presentation https://www.youtube.com/watch?v=neRJh2Rt OZ4&list=PLyk9oIQfOCzxiGgZgAzGXUOCW_d9rD1 1U
22	Ms.M.Kanimozhi Assistant Professor	Experimental stress analysis	• PPT • NPTEL Videos • Video presentation http://www.nptelvideos.in/2012/12/experimental-stress-analysis.html
	Mr.S.Sandhiyapriya Assistant Professor	Aerospace Propulsion	• Demonstration in Laboratory • Video presentation • https://youtu.be/h7JcxkPlJTs
24	Mr.R.Gowerishankar Assistant Professor	Aerodynamics	• Smart board teaching • PPT • NPTEL Videos • https://www.youtube.com/watch?v=7ZOP_FIeL7o
25	Mr.S.Sundaram Assistant Professor	Industrial Aerodynamics	• PPT • Video lecturing • Video presentation http://www.nptelvideos.in/2012/12/industrial-engineering.html
26	Mrs.G.Kuppulakshmi Assistant Professor	Aerospace Propulsion	• Demonstration in Laboratory • Video presentation • https://youtu.be/h7JcxkPlJTs
	Mr.Arunpandiyan Assistant Professor	Fatigue and Fracture Mechanics	• Smart board teaching/ PPT • NPTEL Videos • https://www.youtube.com/watch?v=deAIYwPns6w
28	Mis.V.Kowsalya Assistant Professor	Aircraft Structural Mechanics	• Demonstration in Laboratory • Video presentation • https://www.youtube.com/watch?v=O15WOyF9c2E
29	Mr.J.Balakannan Assistant Professor	Computational Fluid Dynamics	• PPT • Projector • Software Demo http://www.nptelvideos.in/2012/12/computational-fluid-dynamics.html

HOD

AERONAUTICAL ENGINEERING

EXCEL ENGINEERING COLLEGE (AUTONOMOUS)
KOMARAPALAYAM-637 303

DEPARTMENT OF AERONAUTICAL ENGINEERING

Academic Year 2020-21

SMART CLASSROOM
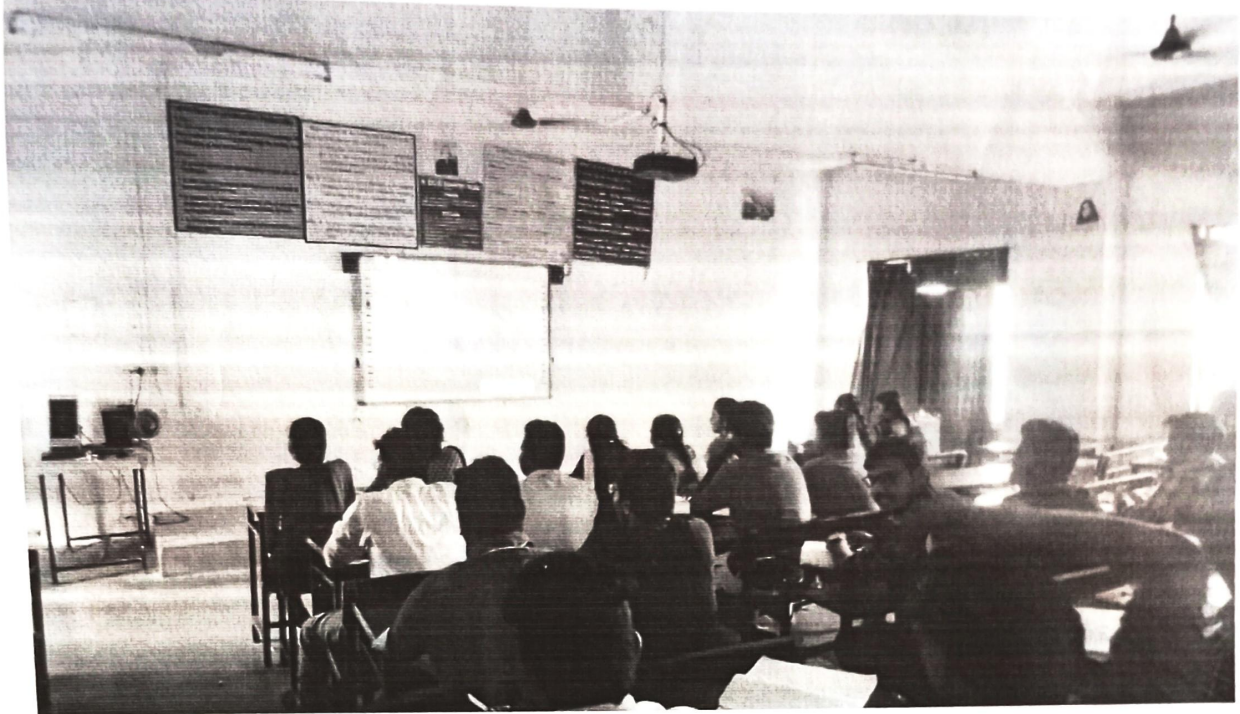
VIDEO LECTURING

GOOGLE CLASSROOMS

SOM - 20AE305
II Year Aero

Instructions   Student work

50 points

☐ 👥 All students   SOM IAE - I

Sort by status ▾   1   6   56
                        Handed in Assigned Marked

☐ Handed in   All   ▾   ☐

☐ 👤 Maaz Ahmed   44   👤 Maaz Ahmed   👤 1502 Vignesh N
                  Resubmitted

☐ Assigned

☐ 👤 1502 Vignesh N   Missing   Missing
      Reassigned

☐ 👤 2001 ABINESH S Missing   👤 2001 ABINESH S   👤 2004 AMAL
                                                          RAJEEV

https://classroom.google.com/g/tg/NDAzODQ1NjY4MDM1/NDAwNTc5OTMyMTI2?authuser=0#u=MzM0NTk2Mjcz NTA5

ONLINE COMPETITIONS

📋 FEM Quiz ☐ ☆ All changes saved in Drive   🔗 💬 👁 ↶ ↷ [Send] ⋮ S

        Questions   Responses 14   Settings   Total points: 10
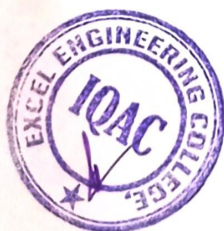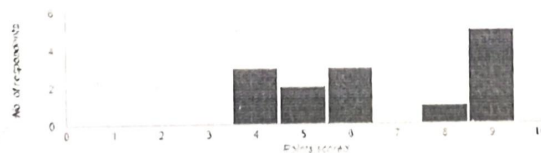
14 responses   ⬆ ⋮

                                                      ●

       Question   Question   Individual

☐ Insights

        Average   Median   Range
      6.5 / 10 points   6 / 10 points   10 points

              Total points distribution

HOD / AE
EXCEL ENGINEERING COLLEGE,
KOMARAPALAYAM - 637 303.

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

DEPARTMENT OF AGRICULTURE ENGINEERING

ACADEMIC YEAR (2020-21)

FACULTY MEMBERS USING ICT FOR EFFECTIVE TEACHING

WITH LMS AND E-LEARNING RESOURCES

S.No	Number of Teachers on Roll	Number of Teachers using ICT (LMS, e-Resources)	ICT Tools and Resources Available	Number of ICT enabled Classrooms	Number of Smart Classrooms	E-resources and Techniques Used
1	12	6	LCD Projector and NPTEL	3	3	Courseware's NPTEL

HoD/AGRI

HEAD OF THE DEPARTMENT
AGRICULTURE ENGINEERING
EXCEL ENGINEERING COLLEGE
KOMARAPALAYAM 637 303

EXCEL ENGINEERING COLLEGE

(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

DEPARTMENT OF AGRICULTURE ENGINEERING

ACADEMIC YEAR (2020-21)

LIST OF FACULTY MEMBERS USING ICT FOR TEACHING

ODD SEMESTER

S.No	Faculty Name	Designation	Name of the Subject	ICT Tools used
1	Dr.G.Vijayakumar	Associate Professor	AI 8302 – Fluid Mechanics and Hydraulics	❖ PPT ❖ NPTEL Videos ❖ Animation Videos
2	Mr.S.Karthikeyan	Assistant Professor	AI 8301 – Soil Science Engineering	❖ PPT ❖ NPTEL Videos ❖ Animation Videos
3	Mr.S.Karvendhan	Assistant Professor	MF-8491 - Thermodynamics	❖ PPT ❖ NPTEL Videos ❖ Animation Videos
4	Mr.A.V.Gowtham	Assistant Professor	AI 8003 – Climate Change and Adaptation	❖ PPT ❖ NPTEL Videos ❖ Animation Videos
5	Mr.V.R.Vellingiri	Assistant Professor	AI 8502 – Farm Machinery and Equipment	❖ PPT ❖ NPTEL Videos ❖ Animation Videos
6	Mr.J.Kumaravel	Assistant Professor	AI 8303 – Theory of Machines	❖ PPT ❖ NPTEL Videos ❖ Animation Videos

HoD/AGRI

HEAD OF THE DEPARTMENT
AGRICULTURE ENGINEERING
EXCEL ENGINEERING COLLEGE
KOMARAPALAYAM 637 303

EXCEL ENGINEERING COLLEGE
(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

• DEPARTMENT OF AGRICULTURE ENGINEERING

ACADEMIC YEAR (2020-21)

LIST OF FACULTY MEMBERS USING ICT FOR TEACHING

EVEN SEMESTER

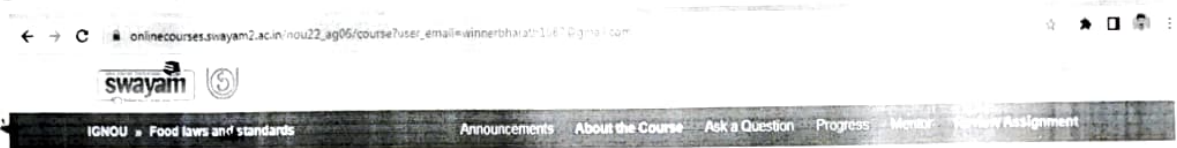| S.No	Faculty Name	Designation	Name of the Subject	ICT Tools used
1	Dr.G.Vijayakumar	Associate Professor	AI 8401 – Unit Operations in Agricultural Processing	❖ PPT ❖ NPTEL Videos ❖ Animation Videos
2	Mr.S.Karthikeyan	Assistant Professor	CE 8091 – Hydrology and Water Resources Engineering	❖ PPT ❖ NPTEL Videos ❖ Animation Videos
3	Mr.S.Karvendhan	Assistant Professor	CE 8393 – Strength of Materials	❖ PPT ❖ NPTEL Videos ❖ Animation Videos
4	Mr.A.V.Gowtham	Assistant Professor	AI 8603 – Protected Cultivation	❖ PPT ❖ NPTEL Videos ❖ Animation Videos
5	Mr.V.R.Vellingiri	Assistant Professor	AI 8402 – Farm Tractors	❖ PPT ❖ NPTEL Videos ❖ Animation Videos
6	Mr.J.Kumaravel	Assistant Professor	AI 8604 – Solar and Wind Energy Engineering	❖ PPT ❖ NPTEL Videos ❖ Animation Videos

HoD/AGRI

HEAD OF THE DEPARTMENT
AGRICULTURE ENGINEERING
EXCEL ENGINEERING COLLEGE
KOMARAPALAYAM 637 303

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

NPTEL VIDEOS

onlinecourses.swayam2.ac.in/nou22_ag06/course?user_email=winnerbharath1167@gmail.com

swayam

IGNOU » Food laws and standards   Announcements   About the Course   Ask a Question   Progress   Mentor   Review Assignment

Course outline

Week 1
Week 2
Week 3
Week 4
Week 5
Week 6
Week 7
Week 8

Food laws and standards

The course has been designed to acquaint with the national and international food laws. The course is meant for all the stakeholders of the food chain i.e. producer, procurer, transporter, processor, distributor, retailer, exporter, importer and regulator. The country took a resurgence in Food Safety and Quality with the new scientific based food laws and standards designated as Food Safety and Standard Act 2006 followed by its Rules and Regulations. 2011. The continuous improvement in enforcement and their harmonization with Codex standards have laid the foundations and templates for safe and hygienic food.

The course has four major components: Indian Food Regulatory Regime, Global Scenario, Export and Import Laws and Regulations and Other Laws and Standards Related to Foods.

The Indian Food Regulatory Regime covers the salient features of New Act Food safety and Standard Act 2006 and its Regulations. 2011. The Global Scenario deals with international standards setting bodies like Codex Alimentarius.

---

onlinecourses.swayam2.ac.in/nou22_ag06/unit?unit=88&lesson=11

swayam

IGNOU » Food laws and standards   Announcements   About the Course   Ask a Question   Progress   Mentor   Review Assignment

Course outline

Week 1
Week 2
An outline of week 2
● An Overview of Food Chemistry
Biochemistry and Nutrition
Food Allergy
Additional Resources
Quiz Week 2
Week 3
Week 4
Week 5
Week 6
Week 7

An Overview of Food Chemistry

### DENATURATION

Food Constituents

- Denaturation is a process of change in structure of proteins without breaking covalent bonds
- Process peculiar to proteins and affects proteins to different degree
- Agents for denaturation include heat pH salts and surface effects.
- Denaturation involves loss of biological activity and change in physical of functional properties

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
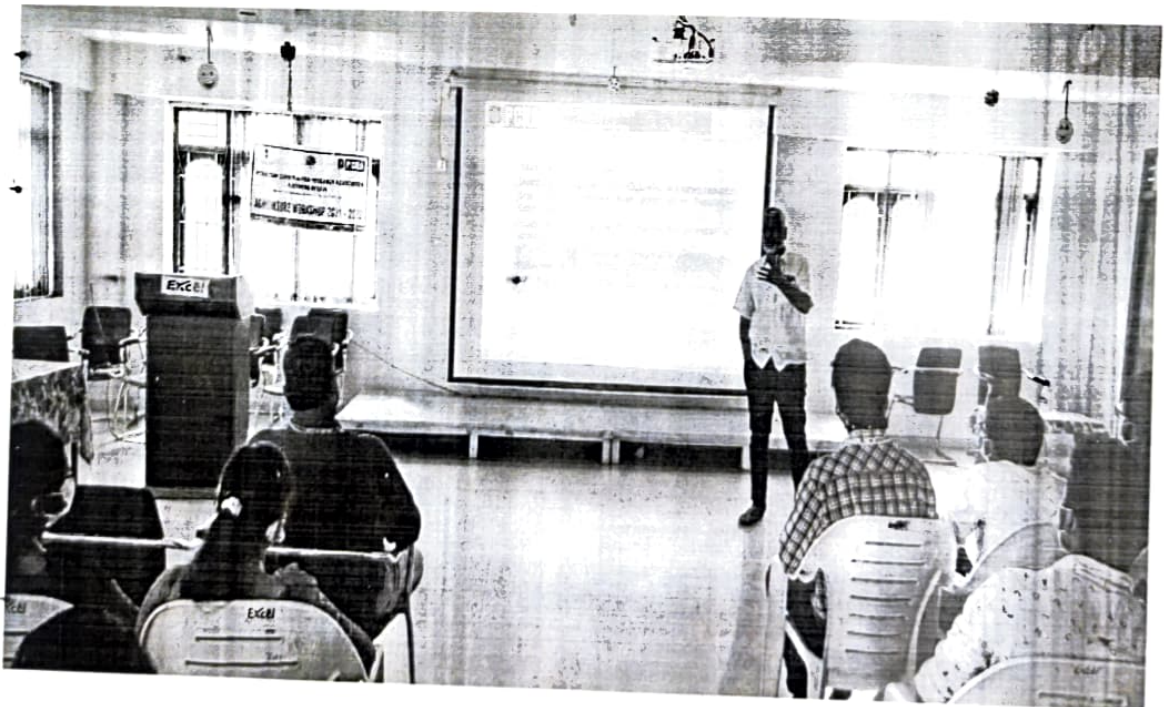### KOMARAPALAYAM - 637303

SMART CLASSROOMS
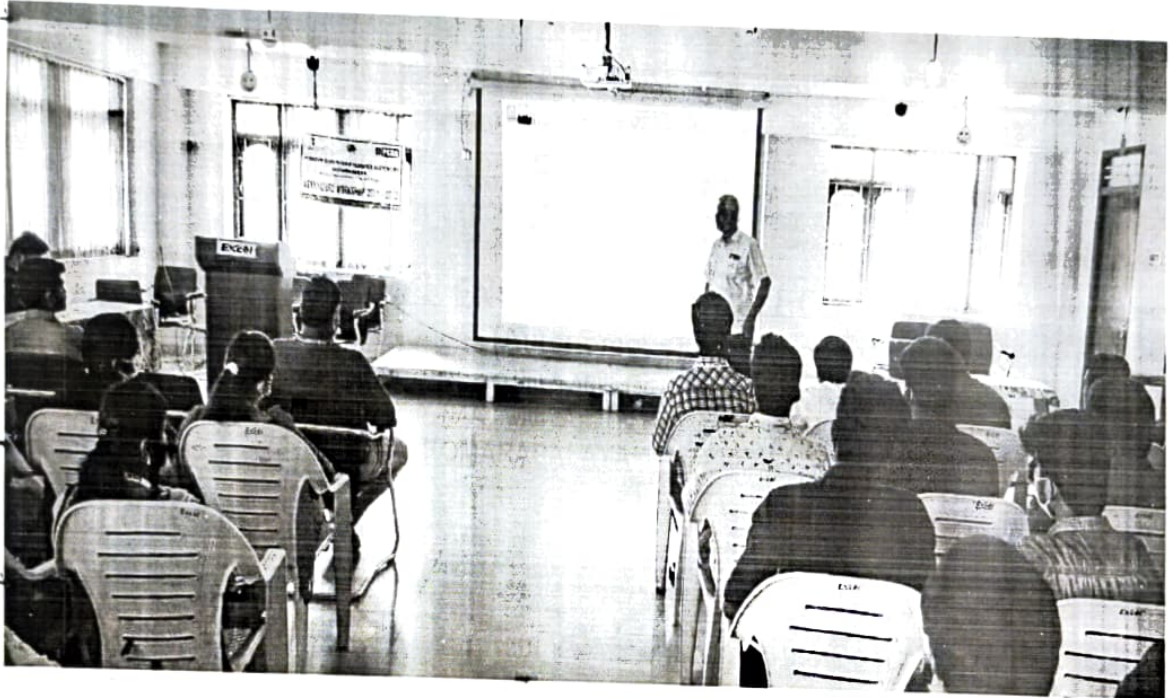
EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

29/3/21

HEAD OF THE DEPARTMENT
AGRICULTURE ENGINEERING
EXCEL ENGINEERING COLLEGE
KOMARAPALAYAM 637 30.

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A+" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

Department of Civil Engineering
2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-Learning resources etc
(ACADEMIC YEAR 2020-21)

S.No	Content	Folio No
1	. List of teachers on roll program wise in UG and PG	
2	List of teachers in UG and PG using ICT for effective teaching with Learning Management Systems (LMS), E-Learning resources etc.	
3	List of ICT tools and resources available.	1
4	. List of ICT enabled class rooms.	
5	List of smart class rooms.	
6	List of e-resources and techniques used.	

HEAD OF THE DEPARTMENT
CIVIL ENGINEERING.
EXCEL ENGINEERING COLLEGE
KOMARAPALAYAM 637 303.

EXCEL ENGINEERING COLLEGE

(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A+" and Recognised by UGC (2f &12B)

KOMARAPALAYAM - 637303

DEPARTMENT OF CIVIL ENGINEERING

Academic Year 2020-21

LIST OF FACULTY MEMBERS USING ICT

S.No	Name of the Faculty	Designation
UG: B.E- Civil Engineering		
1.	C Arun Doss	Assistant Professor
2.	D Mythili	Assistant Professor
3.	S Rajkumar	Assistant Professor
4.	A Subramanian	Assistant Professor
5.	P Sathiya Narayanan	Assistant Professor
6.	N Mythily	Assistant Professor
7.	G Chandrasekaran	Assistant Professor
8.	R Mohanraj	Assistant Professor
9.	M Roobhalavanya	Assistant Professor
10.	N Vanathi	Assistant Professor
11.	S Arunkumar	Assistant Professor
12.	P Senthilkumar	Assistant Professor
13.	P Mohanapriya	Assistant Professor
14.	S Sasikumar	Assistant Professor
15.	D Arulshankaran	Assistant Professor
16.	A Tamilarasan	Assistant Professor

17.	P K Ranganathan	Assistant Professor
18.	P A Srinivasan	Assistant Professor
19.	V Vignesh Prabhu	Assistant Professor
20.	R Shobhana	Assistant Professor
PG : M.E - Structural Engineering		
21.	Dr S Shanmugasundaram	Professor & HOD
22.	K Sabarinathan	Assistant Professor
23.	S M Sakthivel	Assistant Professor
PG : M.E - Environmental Engineering		
24.	Dr N Sengottaian	Professor
25.	K Saranya	Assistant Professor
26.	P Varatharajan	Assistant Professor

HOD

HEAD OF THE DEPARTMENT
CIVIL ENGINEERING
EXCEL ENGINEERING COLLEGE
KOMARAPALAYAM 637 303

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A+" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2020-21

B.E CIVIL ENGINEERING

LIST OF FACULTY MEMBERS USING ICT FOR TEACHING

SL. NO	NAME	NAME OF THE SUBJECT	ICT TOOLS USED	URL
1.	C Arun Doss & Assistant Professor	Computer Aided Design & Drawing Lab	• PPT • NPTEL Videos • Demo • Practical Demonstration	https://nptel.ac.in/courses/120108005/
2.	D Mythili & Assistant Professor	Foundation Engineering	• PPT • NPTEL Videos • Demo • Practical Demonstration	https://nptel.ac.in/courses/105105176
3.	S Rajkumar & Assistant Professor	Engineering Geology	• PPT • NPTEL Videos	https://www.digimat.in/nptel/courses/video/105105106/L25.html
4.	A Subramanian & Assistant Professor	Environmental Engineering I	• PPT • NPTEL Videos • Demo • Practical Demonstration	https://nptel.ac.in/courses/105105048/ https://www.youtube.com/watch?v=-KLqLV-VH1k
5.	P Sathiya Narayanan & Assistant Professor	CTEP	• PPT • Projector • Software Demo	https://nptel.ac.in/courses/105102088/
6.	N Mythily & Assistant Professor	Fluid Mechanics	• PPT • NPTEL Videos	https://nptel.ac.in/courses/112105171/ https://nptel.ac.in/downloads/105101085/

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A+" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

7.	G Chandrasekaran & Assistant Professor	Municipal Solid Waste Management	• PPT • NPTEL Videos https://nptel.ac.in/courses/104103020/42 https://onlinecourses.nptel.ac.in/noc18_ce16/preview	https://www.youtube.com/watch?v=cjIacnNRLHE
8.	R Mohanraj & Assistant Professor	Structural Dynamics and Earthquake Engineering	• PPT • Projector • Software Demo	https://nptel.ac.in/courses/105105105/ https://nptel.ac.in/courses/105107122/1
9.	M Roobhalavanya & Assistant Professor	Construction Techniques,Equipment and Practice	• PPT • NPTEL Videos • OHP • Practical Demonstration in Laboratory	https://nptel.ac.in/courses/105102088/ https://www.powershow.com/view4/569c6c-ZmI5N/Laboratory_Tests_on_Construction_materials_powerpoint_ppt_presentation
10.	N Vanathi & Assistant Professor	Surveying	• PPT • NPTEL Videos	https://www.youtube.com/watch?v=p6ruuib1qsY https://nptel.ac.in/courses/105107122/3
11.	S Arunkumar & Assistant Professor	Strength of Materials I	• PPT • Projector • Software Demo	https://nptel.ac.in/courses/112107146
12.	P Senthilkumar & Assistant Professor	Environmnetal Science & Engineering	• PPT • NPTEL Videos • E Book	https://www.youtube.com/watch?v=MUT8zya53Vg
13.	P Mohanapriya & Assistant Professor	Environmental Engineering - I	• PPT • NPTEL Videos • Demo • Practical	https://nptel.ac.in/courses/103107084

			Demonstration	
14.	S Sasikumar & Assistant Professor	Design of RC Structures	• Demo • Practical Demonstration • NPTEL Videos	https://nptel.ac.in/courses/103107084
15.	D Arulshankaran & Assistant Professor	Water Resources & Irrigation Engineering	• PPT • Projector • Software Demo • Role play	https://nptel.ac.in/courses/105105110
16.	A Tamilarasan & Assistant Professor	Estimation & Quantity Surveying	• PPT • NPTEL Videos	https://nptel.ac.in/courses/105103093
17.	P K Ranganathan & Assistant Professor	Environmental Engineering – I	• Practical Demonstration in Laboratory • NPTEL • PPT	https://www.youtube.com/watch?v=F2G8lSLLCaE
18.	P A Srinivasan & Assistant Professor	Railway airport and Harbour Engineering	• PPT • NPTEL Videos https://onlinecourses.nptel.ac.in/noc18_ce24/preview	https://nptel.ac.in/courses/105107123
19.	V Vignesh Prabhu & Assistant Professor	Structural Analysis I	• PPT • NPTEL Videos	https://nptel.ac.in/courses/105105166
20.	R Shobhana & Assistant Professor	Highway Engineering	• PPT • NPTEL Videos	https://nptel.ac.in/courses/105101087

HOD

DEPARTMENT OF CIVIL ENGINEERING

M.E STRUCTURAL ENGINEERING

List of Faculty members using ICT for Teaching

SL. NO	NAME	NAME OF THE SUBJECT	ICT TOOLS USED
1.	Dr S Shanmugasundaram & Professor, Head	Maintenance and Rehabilitations of Structures	• PPT • NPTEL Videos https://nptel.ac.in/courses/114106035/38
2.	K Sabarinathan & Assistant Professor	Wind and Cyclone Effects on Structures	• PPT • NPTEL Videos https://nptel.ac.in/courses/105108081/
3.	S M Sakthivel & Assistant Professor	Prefabricated Structures	• PPT • NPTEL Videos https://nptel.ac.in/courses/112104039/pdf_version/lecture6.pdf https://onlinecourses.nptel.ac.in/noc18_ce18/preview

HOD

HEAD OF THE DEPARTMENT

CIVIL ENGINEERING.

EXCEL ENGINEERING COLLEGE
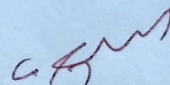
KOMARAPALAYAM   637303.

EXCEL ENGINEERING COLLEGE

(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A+" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

DEPARTMENT OF CIVIL ENGINEERING
M.E ENVIRONMENTAL ENGINEERING
List of Faculty members using ICT for Teaching

SL. NO	NAME	NAME OF THE SUBJECT	ICT TOOLS USED
1.	Dr N Sengottaian & Professor	Remote Sensing and GIS Applications in Environmental Management	• PPT • NPTEL Videos https://www.youtube.com/watch?v=zysZ7zYu48E
2.	K Saranya & Assistant Professor	Design of Physico-Chemical Treatment systems	• PPT • NPTEL Videos https://onlinecourses.nptel.ac.in/noc22_ch25/preview
3.	P Varatharajan & Assistant Professor	Environmental Microbiology	• PPT • NPTEL Videos https://nptel.ac.in/courses/105107173

HOD

HEAD OF THE DEPARTMENT
CIVIL ENGINEERING.
EXCEL ENGINEERING COLLEGE
KOMARAPALAYAM   637 303.

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2020-21

ICT Tools Available

1. Computer
2. Internet
3. Scanner
4. Educational Software's
5. Tablet
6. Interactive White Board
7. Digital record
8. Projector
9. Projector Screen
10. Mobile Phones
11. Laptop
12. Slide Presentation
13. Intranet
14. Digital Library
15. Printers
16. Pendrive
17. Microphones
18. CD

HOD

HEAD OF THE DEPARTMENT
CIVIL ENGINEERING,
EXCEL ENGINEERING COLLEGE
KOMARAPALAYAM   637303.

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A+" and Recognised by UGC (2f &12B)
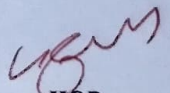**KOMARAPALAYAM - 637303**
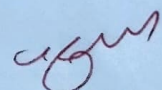
Department of Civil Engineering
ACADEMIC YEAR 2020-21

List of e-resources and techniques

1. Electronic Journals
2. Social Networking
3. E Learning
4. Web based learning
5. E Newspaper
6. E Books
7. E Magazines
8. Image Collection
9. NPTEL
10. DELNET
11. DSPACE

HOD

HEAD OF THE DEPARTMENT
CIVIL ENGINEERING.
EXCEL ENGINEERING COLLEGE
KOMARAPALAYAM   637 303.

DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR: 2020-21

Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

ICT Facilities

S.No	Floor No.	Class	Room No.	ICT Facilities
1	Ground Floor	SEMINAR HALL (Main block)	Radhakrishnan Hall	PC with Projector with internet
2	I	CLASS ROOM	C 102	Projector
3	I	CLASS ROOM	C 103	Projector
4	II	CAD Lab	C 201	PC with Projector with Wi-fi
5	III	CLASS ROOM	C 202	Projector
6	III	CLASS ROOM	C203	Projector
7	III	CLASS ROOM	C 204	Projector

ICT Specification in SEMINAR HALL

S. No.	Name of the ICT Facilities	Brand Name	Specification	QTY
1			Standard Desktop PC	1
2.	Projector LCD	EPSON	Resolution between 1280 × 800, Projector Size:11 cm x 23 cm x 26 cm Display Type :16-bit color or greater (approximately 32,000 display colors) Image Size:122 cm - 300 cm Video Modes:1080i, 720p, 576p, 576i, 480p, 480i Data Modes: MAX 1400x1050.	1

ICT Specification in CADD Lab

S. No.	Name of the ICT Facilities	Brand Name	Specification	QTY
1	Projector LCD	EPSON	Resolution between 1280 × 800, Projector Size:11 cm x 23 cm x 26 cm Display Type :16-bit color or greater (approximately 32,000 display colors) Image Size:122 cm - 300 cm Video Modes:1080i, 720p, 576p, 576i, 480p, 480i Data Modes: MAX 1400x1050.	1

ICT Specification in CLASS ROOM

S. No.	Name of the ICT Facilities	Brand Name	Specification	QTY
1	Projector LCD	InFocus X16 Projector	Resolution: 800x600 Projector Size:11 cm x 23 cm x 26 cm Display Type:2 cm DLP (1) Image Size:122 cm - 300 cm Video Modes:1080i, 720p, 576p, 576i, 480p, 480i Data Modes: MAX 1400x1050	5

HOD

HEAD OF THE DEPARTMENT
CIVIL ENGINEERING,
EXCEL ENGINEERING COLLEGE
KOMARAPALAYAM 637 303

EXCEL ENGINEERING COLLEGE

(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A+" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

Department of Civil Engineering

Academic Year: 2020-21

List of Smart Class Rooms

S.No	Floor No.	Class	Room No.	Smart Class Rooms
Nil				

HOD

HEAD OF THE DEPARTMENT
CIVIL ENGINEERING,
EXCEL ENGINEERING COLLEGE
KOMARAPALAYAM - 637 303.

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A+" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2020-21

USAGE OF ICT TOOLS

NPTEL Videos for the Subject Foundation Engineering handled by Er.D.Mythili /
Assistant Professor

Pictures for the Subject Design of Reinforced Concrete Elements handled by
Er.R.Mohanraj / Assistant Professor
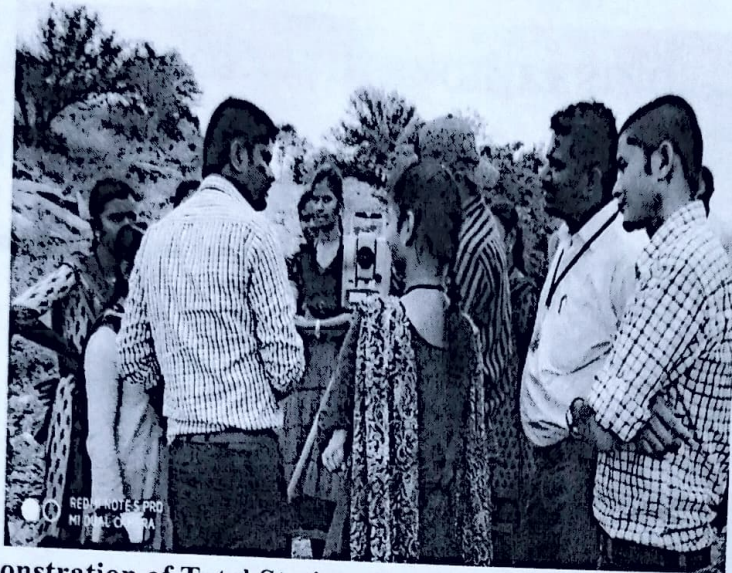
Practical Demonstration of Total Station for the Subject Survey Camp handled by Er.C.Arundoss / Assistant Professor

HEAD OF THE DEPARTMENT
CIVIL ENGINEERING,
EXCEL ENGINEERING COLLEGE
KOMARAPALAYAM   637 303,

EXCEL ENGINEERING COLLEGE

(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

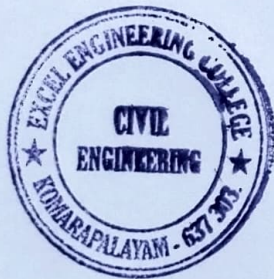## 2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-Learning resources etc
(ACADEMIC YEAR 2020-21)

S.No	Content	Folio No
1	. List of teachers on roll program wise in UG and PG	
2	List of teachers in UG and PG using ICT for effective teaching with Learning Management Systems (LMS), E-Learning resources etc.	
3	List of ICT tools and resources available.	1
4	. List of ICT enabled class rooms.	
5	List of smart class rooms.	
6	List of e-resources and techniques used.	

\EXCEL ENGINEERING COLLEGE
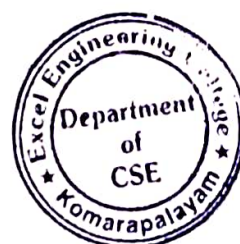## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Academic Year 2020-21
LIST OF FACULTY MEMBERS USING ICT

S.No	Name of the Faculty	Designation
UG: B.E- Computer Science And Engineering
1.	Dr.T.Ravichandran	Professor /HoD
2.	Dr.S.Sreethar	Professor
3.	Dr.L.Ashokkumar	Professor
4.	Dr.K.Geetha	Associate Professor
5.	Dr.N.Mohan	Assistant Professor
6.	Ms.P.Kumari	Assistant Professor
7.	Mr.K.G.Arunkumar	Assistant Professor
8.	Mr.P.Mohanraj	Assistant Professor
9.	Mr.V.Surendhiran	Assistant Professor
10.	Mr.B.Praveenkumar	Assistant Professor
11.	Mr.R.Sakthiraj	Assistant Professor
12.	Mr.E.Suresh	Assistant Professor
13.	Mr.E.DeepanKumar	Assistant Professor
14.	Mr.P.Dineshkumar	Assistant Professor
15.	Mr.T.Arunkumar	Assistant Professor
16.	Mr.A.Sureshkumar	Assistant Professor
17.	Mr.S.Dinesh	Assistant Professor
18.	Mr.P.Sathyaraj	Assistant Professor
19.	Mr.S.Praveenkumar	Assistant Professor
20.	Mr.M.Sathishkumar	Assistant Professor
21.	Mr.A.Periyasamy	Assistant Professor
22.	Mr.R.Mahadevan	Assistant Professor
23.	Mrs.R.Arulmozhi	Assistant Professor

24.	Ms.S.Sasikala	Assistant Professor
25.	Ms.V.Ramya	Assistant Professor
26.	Mr.V.Rajkumar	Assistant Professor
27.	Mrs.P.Priyadharshni	Assistant Professor
28.	Mr.M.Krishnamoorthy	Assistant Professor
PG : M.E - COMPUTER SCIENCE AND ENGINEERING		
1	Dr.T.P.Andamuthu	Professor
2	Mrs.K.Subha	Assistant Professor
3	Mr.R.Kamalanathan	Assistant Professor

EXCEL ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2020-21
UG B.E Computer Science and Engineering
List of Faculty members using ICT for Teaching

S.No	Name	Designation	Name of the Subject	ICT Tools Used	URL
1.	Dr.T.Ravichandran	Professor /HoD	Operating Systems	• PPT • NPTEL Videos • Demo • Practical Demonstration	https://www.youtube.com/watch?v=0ZjkUMKy6x0
2.	Dr.S.Sreethar	Professor	Compiler Design	• PPT • NPTEL Videos	https://www.youtube.com/watch?v=5zzIwBe-wJw
3.	Dr.L.Ashokkumar	Associate Professor	Artificial Intelligence	• PPT • NPTEL Videos	www.nptel.ac.in/courses/106106139
4.	Dr.K.Geetha	Associate Professor	Information Technology Essential	• PPT • NPTEL Videos • Demo • Practical Demonstration	https://www.youtube.com/watch?v=QEQk6at4VSM
5.	Dr.N.Mohan	Assistant Professor	Distributed Systems	• PPT • Projector • Software Demo • Brainstorming • Role play	https://www.youtube.com/watch?v=fM7z0X08mzo
6.	Ms.P.Kumari	Assistant Professor	Problem Solving and Python Programming	• PPT • NPTEL Videos • Practical Demonstration	https://www.youtube.com/watch?v=Pv1_hQU6pio&list=PLi81WZlvcsNQJem0W4yr1GJ9phgtM6QqU
7.	Mr.K.G.Arunkumar	Assistant Professor	Multi-Core Architectures and	• PPT • NPTEL Videos	https://onlinecourses.nptel.ac.in/noc18_cs50

			Programming		
8.	Mr.P.Mohanraj	Assistant Professor	Software Project Management	• PPT • Projector • Software Demo • Brainstorming • Role play	nptel.ac.in/courses/11010407
9.	Mr.V.Surendhiran	Assistant Professor	Software Engineering	• PPT • NPTEL Videos • OHP • Practical Demonstration in Laboratory	www.nptel.ac.in/courses/10610106
10	Mr.B.Praveenkumar	Assistant Professor	Total Quality Management	• PPT • NPTEL Videos	https://www.youtube.com/watch?v=YKwcxjUnots
11	Mr.R.Sakthiraj	Assistant Professor	Grid and Cloud Computing	• PPT • NPTEL Videos • Practical Demonstration	https://www.youtube.com/watch?v=GlobK-eWDSo
12	Mr.E.Suresh	Assistant Professor	Network Design and Technologies	• PPT • NPTEL Videos	https://www.youtube.com/watch?v=x3Zziwxmp Uw
13	Mr.E.DeepanKumar	Assistant Professor	Computer Graphics	• Practical • NPTEL Videos	nptel.ac.in/courses/106106090
14	Mr.P.Dineshkumar	Assistant Professor	Advanced Software Engineering	• NPTEL Videos • PPT	https://www.youtube.com/watch?v=imA6IXhN GuY
15	Mr.T.Arunkumar	Assistant Professor	Knowledge Management	• PPT • NPTEL Videos	https://www.youtube.com/watch?v=Di1QRgYd KgM
16	Mr.A.Sureshkumar	Assistant Professor	Data Warehousing and Data Mining	• PPT • NPTEL Videos	www.nptel.ac.in/courses/106106093/35

17	Mr.S.Dinesh	Assistant Professor	Operating System Internals	• PPT • NPTEL Videos	https://www.youtube.com/watch?v=vz15OqiYYXo
18	Mr.P.Sathyaraj	Assistant Professor	Problem Solving and Python Programming	• PPT • NPTEL Videos	https://freevideolectures.com/course/2665/introduction-to-problem
19	Mr.S.Praveenku mar	Assistant Professor	Cryptography and Network Security	• PPT • NPTEL Videos	https://nptel.ac.in/courses/106105162
20	Mr.M.Sathishku mar	Assistant Professor	Programming in C	• PPT • NPTEL Videos	https://www.youtube.com/watch?v=Y8cR0P5S21M
21	Mr.A.Periyasamy	Assistant Professor	Object Oriented Programing in Data Structure	• PPT • NPTEL Videos	https://www.youtube.com/watch?v=xQ6xvLdQhjI
22	Mr.R.Mahadevan	Assistant Professor	Advanced Databases	• PPT • NPTEL Videos	www.nptel.ac.in/courses/106106093
23	Mrs.R.Arulmozhi	Assistant Professor	Programming in C	• PPT • NPTEL Videos	https://onlinecourses.nptel.ac.in/noc17_cs43
24	Ms.S.Sasikala	Assistant Professor	Information Technology Essential	• PPT • NPTEL Videos	https://www.youtube.com/watch?v=lqpvzPhCMjY&list=PLgbWHrkHCcptbGzxQUheRAOy7Oo1kT8wp
25	Ms.V.Ramya	Assistant Professor	Real Time Systems	• PPT • NPTEL Videos	https://www.youtube.com/watch?v=8erNeVqvX3A

26	Mr.V.Rajkumar	Assistant Professor	Problem Solving and Python Programming	• PPT • NPTEL Videos • Practical Demonstration	https://www.youtube.com/watch?v=xLl6WbTHooU
27	Mrs.P.Priyadharshni	Assistant Professor	Problem Solving and Python Programming	• PPT • NPTEL Videos	https://www.youtube.com/watch?v=hWMst_GCIk0&list=PLYBW1jt8L4YOv_mSKyUWN7b_lOtpy1H7y
28	Mr.M.Krishnamoorthy	Assistant Professor	Information Technology Essential	• PPT • NPTEL Videos	https://www.youtube.com/watch?v=lqpvzPhCMjY&list=PLgbWHrkHCcptbGzxQUheRAOy7Oo1kT8wp

HOD

EXCEL ENGINEERING COLLEGE
Komarapalayam-637303

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

ICT Facilities

S.No	Floor No.	Class	Room No.	ICT Facilities
1	I	SEMINAR HALL (Thiruvalluvar Hall)	A1 105	Projector with PC and audio system with mike system
2	II	SMART CLASS ROOM	A1 208	Smart board, Audio facilities, Projector with PC
3	II	CLASS ROOM	A1 207	Projector LCD
4	III	CLASS ROOM	A1 302	Projector LCD
5	III	CLASS ROOM	A1 303	Projector LCD
5	III	CLASS ROOM	A1 305	Projector LCD

ICT Specification in SEMINAR HALL

S. No.	Name of the ICT Facilities	Brand Name	Specification	QTY
1	Standard Desktop PC	HP	HP Compaq DA2480 Intel core 2 Duo E7200 Processor @ 2.83 GHZ,2GB Ram, 160 GB HDD, HP 18.5 TFT Monitor	1
2	Smart Board with Accessories	Rapto. RYPCEb" - 6 14 size Touch interactiv e rvhite board	SMART Board 800i6 interactive whiteboard system uses the short-throw, high-offset SMART UF70 or SMART UF70w projector. The throw distance of the SMART UF70 or SMART UF70w projectors is half that of the SMART UF65 projector, resulting in a shorter boom and reduced shadows on the projected image.	1
3.	Projector LCD	HCL InFocus X6	HCL INFOCUS X6 Resolution: 800x600 Projector Size:9 cm x 27 cm x 20 cm.	1

	Projector	Display Type:1 cm DLP (1) Image Size:70 cm - 769 cm Video Modes: 720p, 1080i, 576i, 480p, 480i. Data Modes: MAX 1280x1024	

ICT Specification in CLASS ROOM

S. No.	Name of the ICT Facilities	Brand Name	Specification	QTY
1	Projector LCD	InFocus X16 Projector	Resolution: 800x600 Projector Size:11 cm x 23 cm x 26 cm Display Type:2 cm DLP (1) Image Size:122 cm - 300 cm Video Modes:1080i, 720p, 576p, 576i, 480p, 480i Data Modes: MAX 1400x1050	2
2	Projector LCD	EPSON EH-TW570	Power Consumption: Lamp on: 270W Power Consumption: Standby : 0.280W Noise Level : Normal/Eco: 37/29dB Zoom : 1-1.2 (Optical Zoom), Screen Size: 33" to 320" [0.9 to 909m] (Zoom: Wide), 33" to 320" [1.08 to 10.8m] (Zoom: Tele)	2

EXCEL ENGINEERING COLLEGE
Komarapalayam-637303

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

List of e-resources and techniques

1. Electronic Journals
2. Social Networking
3. E Learning
4. Web based learning
5. E Newspaper
6. E Books
7. E Magazines
8. Image Collection
9. NPTEL
10. DELNET
11. DSPACE

EXCEL ENGINEERING COLLEGE
Komarapalayam-637303

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ICT Tools Available

1. Computer
2. Internet
3. Scanner
4. Educational Software's
5. Tablet
6. Interactive White Board
7. Digital record
8. Projector
9. Projector Screen
10. Mobile Phones
11. Laptop
12. Slide Presentation
13. Intranet
14. Digital Library
15. Printers
16. Pendrive
17. Microphones
18. CD
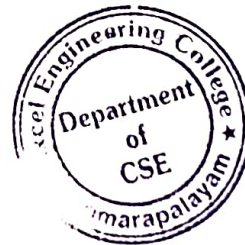
Stream   Classwork   People   Grades
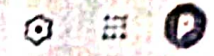
III TOC
B
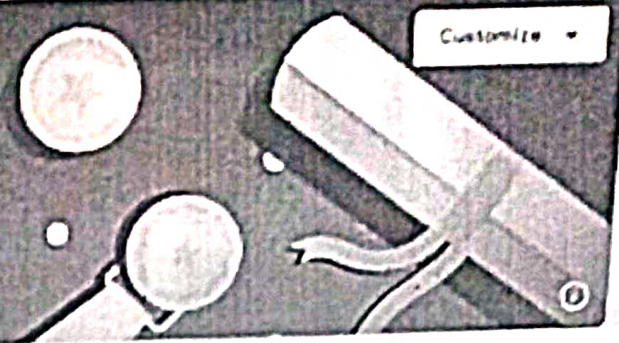
Class code   :

b54gvlq

Upcoming

View all

Class code

b54gvlq
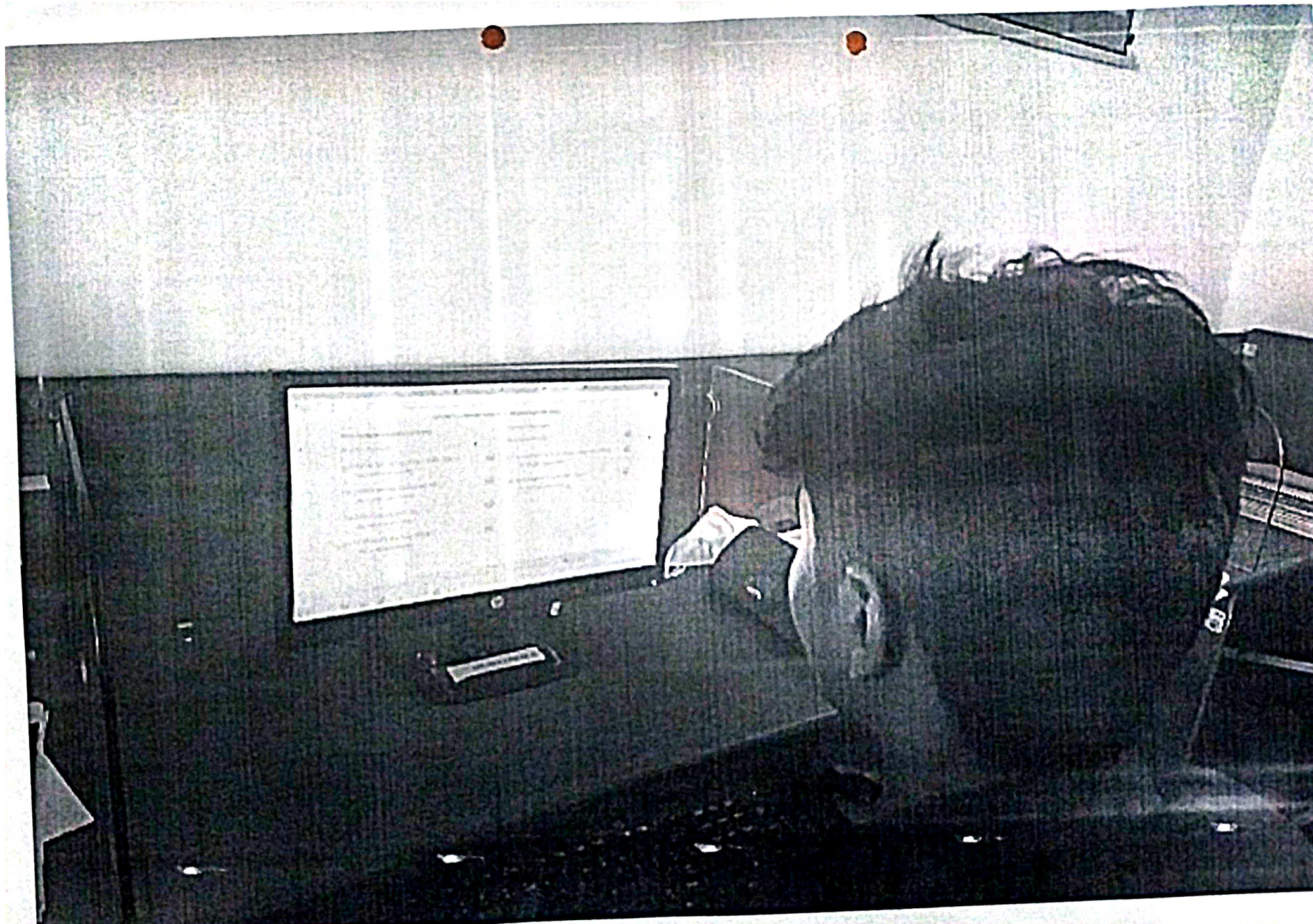
2.3.2 Teachers use ICT-enabled tools including online resources for effective teaching (Photo and Document)	1. Smart Class Room 2. Video Lecturing (May be Youtube) 3. Digital Library 4. Google Classrooms 5. Online Competitions (Google Forms) 6. CAMU – Teaching Plan, Worksheet and Feedback 7. Website Link

HOD

Smart class room presentation for Medical Electronics
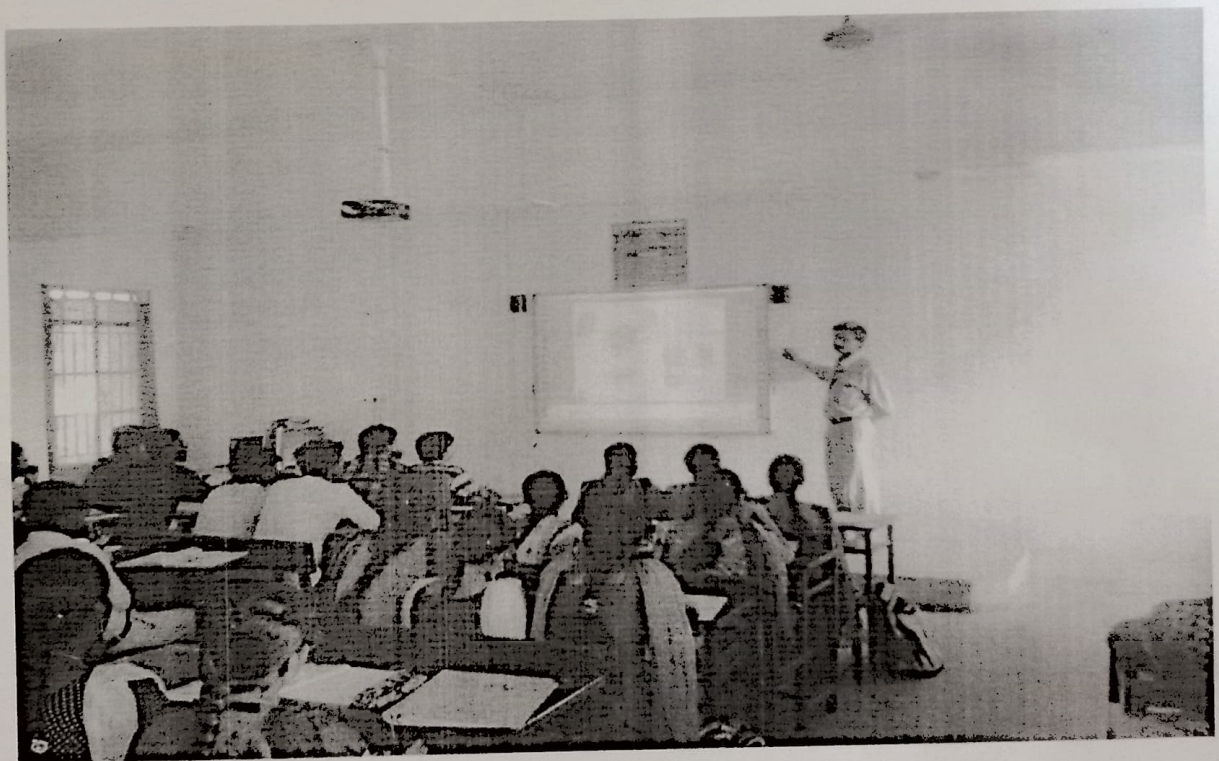
Video Lecturing

Department of Electronics And Communication Engineering

Schedule for Online classes

Academic Year: 2020-21   Year - Semester: III-A VI Venue: Dr.N.Nandhagopal Cabin(Near HOD cabin)

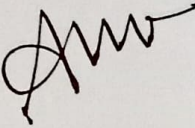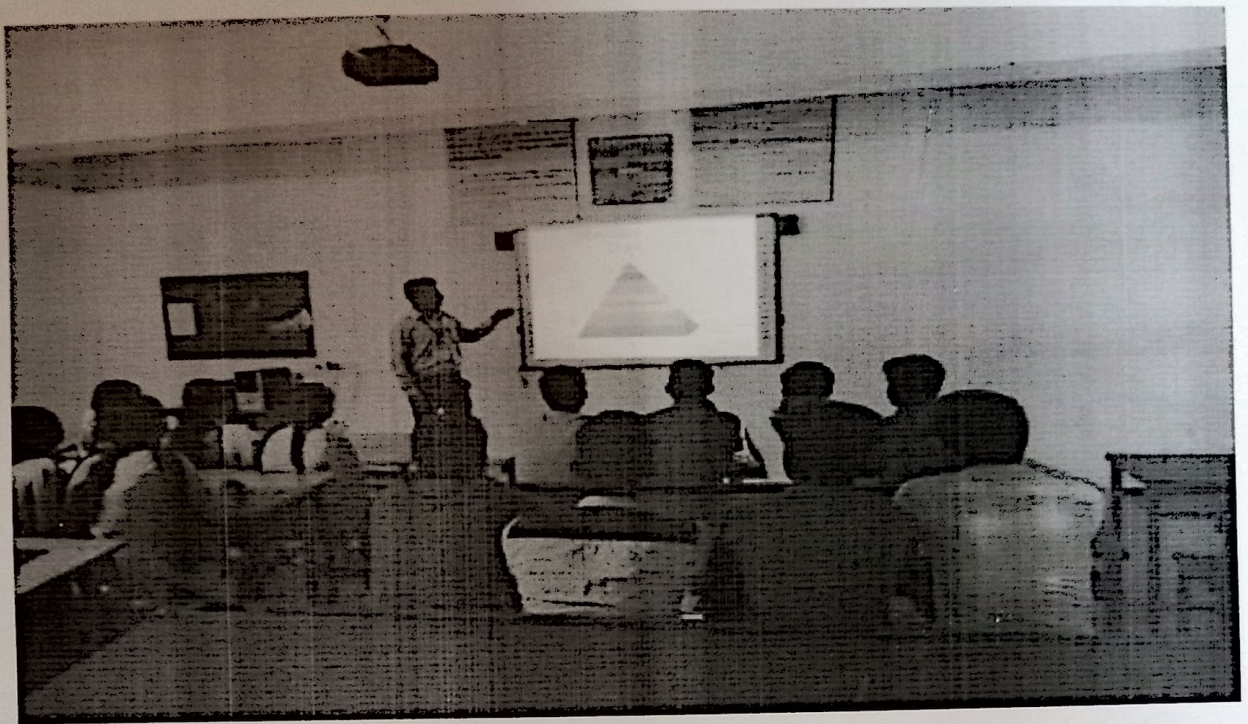| Day	Session 1 9.30 AM- 10.20 AM	Session 2 10.30 AM - 11.20AM	Session 3 11.30 AM- 12.20 PM	Session 4 12.30 PM- 1.20 PM	Session 5 2.30 PM – 3.30 PM	Hours allocated
Monday	MPMC EC8691 S.Satheesh kumar	WC EC8652 K.Tamilarasi	POM MG8591 P.Praveen	TLRF EC8651 L.Mubarali	Aptitude Mr.Dinesh/ Technical 'C' Programming Mr.Nagaraj	MPMC - 3 hours WC - 3 hours POM- 3 hours TLRF- 4 hours VLSI- 4 hours WN- 3hours
Tuesday	TLRF EC8651 L.Mubarali	WC EC8652 K.Tamilarasi	VLSI EC8095 A.Anitha Rani	WN EC8004 N.Rajagopal akrishnan	Aptitude Mr.Dinesh	
Wednesday	TLRF EC8651 L.Mubarali	MPMC EC8691 S.Satheesh kumar	POM MG8591 P.Praveen	VLSI EC8095 A.Anitha Rani	Aptitude Mr.Dinesh/ Technical 'C' Programming Mr.Nagaraj	
Thursday	WC EC8652 K.Tamilarasi	MPMC EC8691 S.Satheesh kumar	VLSI EC8095 A.Anitha Rani	WN EC8004 N.Rajagopal akrishnan	Aptitude Mr.Dinesh/ Technical 'C' Programming Mr.Nagaraj	
Friday	WN EC8004 N.Rajagopalakris hnan	VLSI EC8095 A.Anitha Rani	TLRF EC8651 L.Mubarali	POM MG8591 P.Praveen	Aptitude Mr.Dinesh/ Technical 'C' Programming Mr.Nagaraj	
Saturday	10.00 AM to 11.00 AM Technical'C' Programming Mr.Nagaraj	11.10 PM to 12.10 PM Communication Mr.Manikam	Nil	Nil	Nil	

Break · Break · Break · Lunch break

Staff Name   SATHEESHKUMAR S
Subject Name   MICROPROCESSOR AND MICROCONTROLLERS
Subject Code   EC8691

Topic	SubTopics	Planned Date	Date of Completion	Remarks
INTERFACING MICROCONTROLLER		24-05-2021	25-05-2021	completed
	Introduction	24-05-2021	25-05-2021	completed
	Programming 8051 Timers	24-05-2021	25-05-2021	completed
	Serial Port Programming	24-05-2021	25-05-2021	completed
	Interrupts Programming	24-05-2021	25-05-2021	completed
	LCD & Keyboard Interfacing	24-05-2021	25-05-2021	completed
	ADC, DAC & Sensor Interfacing	31-05-2021	31-05-2021	completed
	External Memory Interface	31-05-2021	31-05-2021	completed
	Stepper Motor and Waveform generation	31-05-2021	31-05-2021	completed
	Comparison of Microprocessor, Microcontroller, PIC & ARM processors	31-05-2021	31-05-2021	completed
MICROCONTROLLER		13-05-2021	10-05-2021	completed
	Architecture of 8051	24-05-2021	25-05-2021	completed
	Special Function Registers	24-05-2021	25-05-2021	completed
	I/O Pins Ports and Circuits	24-05-2021	25-05-2021	completed
	Instruction set	24-05-2021	25-05-2021	completed
	Addressing modes	24-05-2021	25-05-2021	completed
	Assembly language programming.	24-05-2021	25-05-2021	completed
I/O INTERFACING				
	Memory Interfacing and I/O interfacing	13-05-2021	10-05-2021	completed
	Parallel communication interface	13-05-2021	10-05-2021	completed
	Serial communication interface	13-05-2021	10-05-2021	completed
	D/A and A/D Interface	13-05-2021	10-05-2021	completed
	Timer – Keyboard /display controller	13-05-2021	10-05-2021	completed
	Interrupt controller	13-05-2021	10-05-2021	completed
	DMA controller	13-05-2021	10-05-2021	completed
	Keyboard display interface	13-05-2021	10-05-2021	completed
	Alarm Controller	13-05-2021	10-05-2021	completed

Topic	Planned Date	Completion Date	Status
Basic configurations	29-03-2021	27-04-2021	completed
Basic configurations cont	31-03-2021	27-04-2021	completed
System bus timing – System design using 8086	13-05-2021	10-05-2021	completed
I/O programming – Introduction to Multiprogramming	13-05-2021	10-05-2021	completed
System Bus Structure	24-05-2021	25-05-2021	completed
Multiprocessor configurations	13-05-2021	10-05-2021	completed
Multiprocessor configurations cont	13-05-2021	10-05-2021	completed
loosely Coupled configurations	13-05-2021	10-05-2021	completed
Introduction to advanced processors.	13-05-2021	10-05-2021	completed

THE 8086 MICROPROCESSOR

Topic	Planned Date	Completion Date	Status
Introduction to 8086	04-03-2021	17-03-2021	completed
Microprocessor architecture	08-03-2021	17-03-2021	completed
Addressing modes	10-03-2021	05-04-2021	completed
Instruction set	11-03-2021	05-04-2021	completed
Instruction set cont	15-03-2021	05-04-2021	completed
assembler directives	17-03-2021	05-04-2021	completed
Assembly language programming	18-03-2021	05-04-2021	completed
– Modular Programming, - Linking and Relocation	22-03-2021	05-04-2021	completed
Stacks - Procedures – Macros	24-03-2021	05-04-2021	completed
Interrupts and interrupt service routines – Byte and String Manipulation	25-03-2021	05-04-2021	completed

HEAD OF THE DEPARTMENT
Electronics And Communication Engineering
Excel Engineering College
Komarapalayam - 637 303.
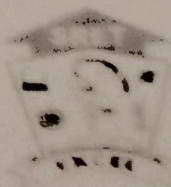
Excel Engineering College (AUTONOMOUS)

Subject Wise Feedback Report

Under Graduate | BE-ECE | 2020-21 | Electronics and Communication Engineering | SEM-6 |

S.No	Section	EC8691	EC8095	EC8652	MG8591	EC8651	EC8004
20	A	4.9	4.2	4.1	4.1	4.1	4.2
21	B	5.0	4.9	4.9	4.9	4.9	4.3
22	B	4.5	4.4	4.5	4.5	4.3	4.5
23	B	4.4	4.3	4.4	4.4	-	3.8
24	A	4.8	4.8	4.2	4.2	4.3	4.1
25	A	5.0	4.5	4.3	4.2	4.8	4.8
26	B	3.7	3.6	3.6	3.7	3.5	3.7
27	A	-	4.2	4.4	4.3	4.4	4.1
28	A	-	-	-	-	4.1	4.3
	Total	111.5	113.5	115.0	106.2	114.6	117.4
	Average	4.3	4.2	4.3	3.9	4.2	4.2
	Percentage	86.0%	84.0%	86.0%	78.0%	84.0%	84.0%
	Staff name	SATHEESHKUMAR S	Anitha Rani A	Tamilarasi K	Praveen P	MUBARAALI L	Rajagopala Krishnan N
	SIGNATURE						

List of Subjects

EC8691   MICROPROCESSOR AND MICROCONTROLLERS

EC8095   VLSI Design

EC8652   Wireless Communication

MG8591   Principles of Management

HEAD OF THE DEPARTMENT
Electronics And Communication Engineering
Excel Engineering College
Komarapalayam - 637 303.

Excel Engineering College
Komarapalayam-637 303
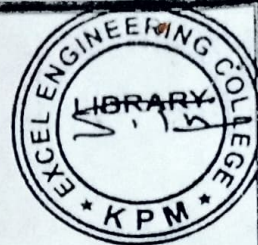
E-JOURNALS

DELNET	USER NAME : tneecn
	PASSWORD : eecn2475
MAT	http://matjournals.in/index.php/index/user
	USER NAME: eec
	PASSWORD: eec@#_256
CLARO	http://www.claropbl.com/ (Login as subscriber):
	USERNAME : principaleec PASSWORD : principaleec20180322
BCL **British Council Library**	Membership number AMA03747
	USERNAME :principaleec@excelcolleges.com
	PASSWORD : Abcd@1234
NDL	https://ndl.iitkgp.ac.in/
	USER NAME : principaleec@excelcolleges.com
	PASSWORD : excelexcel

LPSoC IV A
IV

Stream   Classwork   People   Grades

✏ Customize

LPSoC IV A
IV

Announce something to your class   ⇄

---

ram ramya
Jun 28, 2021   ⋮

Low Power SoC Design

📄 730917106070(EC8007) ...

Add class comment...   ➤

Ganga Dharan
May 28, 2021   ⋮

Gokulraja P -17EC025

📄 Gokulraja P. 17EC025_b...

Add class comment...   ➤

❓

Naveenkumar M

LPSoC IV A
IV

Stream   Classwork   People   Grades

Add class comment…

Babitha Babitha
May 28, 2021

Babitha Mary J

PDF Babitha Mary low power…

Add class comment…

V Nivetha
May 28, 2021

V.Nivetha[17EC058]

PDF V.Nivetha[17EC058].pdf

Add class comment…

Brindha Ammu
May 28, 2021

C. Brinda(730917106014)

PDF C.Brinda(17EC014) low …

Add class comment…

LPSoC IV A
IV

Stream   Classwork   People   Grades

Add class comment…

Dineshkumaran M
May 28, 2021

Dineshkumaran M (17EC018)-low power soc Design (IMT1)

📄 PDF Dineshkumaran M (17EC…

Add class comment…

Gokul Gokul
May 28, 2021

NAME:M.GOKUL
REG NO:730917106024

📄 PDF M.GOKUL 10.pdf

Add class comment…

akilesh2msk
May 28, 2021

Akilesh M - 17EC006

📄 PDF 5_616115425138180196 4…

Add class comment…

LPSoC IV A
IV

Stream   Classwork   People   Grades

Manoranjitham R (17EC0...

Add class comment...

Keerthana R
May 28, 2021

Keerthana R (17EC041) Low Power SoC Design IMT-1

📄 Drive file

Add class comment...

Gowsika Senthil
May 28, 2021

S.Gowsika

📄 S.Gowsika(17EC027) .pdf

Add class comment...

Ganga Dharan
May 28, 2021

Gangadharan C - 17EC021

📄 im test soc.pdf

Add class comment...

LPSoC IV A
IV

Stream   Classwork   People   Grades

Drive file

Add class comment...

Nandhini V
May 28, 2021

Nandhini.V (17EC054)

PDF Nandhini.v.pdf

Add class comment...

Praveen Raj
May 28, 2021

Low Power Soc Design

PDF M.Praveenraj LPSocDesi...

Add class comment...

Pavithra Pavi
May 28, 2021

M. Pavithra(17EC059)

PDF M. Pavithra(17EC059) Lp...

Add class comment...

LPSoC IV A

IV

Stream   Classwork   People   Grades

PDF Dinesh kumar. v 17ec017…

Add class comment…

Malathi K
May 28, 2021

⋮

K.Malathi 17EC047 (Low power Soc design) IT 1

PDF K.Malathi 17EC047 (Low …

Add class comment…

VLSI DESIGN

08.02.2021

* Required

1.   NAME OF THE STUDENT *

_____

2.   Reg NO *

_____

3.   Section *

Mark only one oval.

⬭ A sec

⬭ B sec

Untitled Section

4.   1.VLSI technology uses _____ to form integrated circuit *   1 point

Mark only one oval.

⬭ Transistors

⬭ Switches

⬭ Diodes

⬭ Buffers

5.   2.In enhancement MOSFET, the magnitude of output current _____ due   1 point
      to an increase in the magnitude of gate potentials. *

      Mark only one oval.

      ⃝ Remains Constant

      ⃝ Increases

      ⃝ Decrease

      ⃝ None

6.   3.In floorplanning, placement and routing are _____ tools. *   1 point

      Mark only one oval.

      ⃝ Front End

      ⃝ Back end

      ⃝ both a and b

      ⃝ None

7.   4.Why is multiple stuck-at fault model preferred for DUT? *   1 point

      Mark only one oval.

      ⃝ Because single stuck-at fault model is independent of design style & technology

      ⃝ Because single stuck-at tests cover major % of multiple stuck-at faults & unmodeled
      physical defects

      ⃝ Because complexity of test generation is reduced to greater extent in multiple stuck-at
      fault models

      ⃝ All of the above

8.   5.If a port is declared as buffer, then which problem is generated in   1 point
     hierarchical design due to mapping with port of buffer mode of other
     entities only? *

     Mark only one oval.

     ◯ Structural Modeling

     ◯ Functional Modeling

     ◯ Behavioral Modeling

     ◯ Data Flow Modeling

9.   6.An antifuse element initial provides _____ between two conductors in   1 point
     absence of the application of sufficient programming voltage. *

     Mark only one oval.

     ◯ Conduction

     ◯ Insulation

     ◯ Both a and b

     ◯ None of the above

10. 7.In CMOS circuits, which type of power dissipation occurs due to   1 point
     switching of transient current and charging & discharging of load
     capacitance? *

     Mark only one oval.

     ◯ Static dissipation

     ◯ Dynamic dissipation

     ◯ Both a and b

     ◯ None of the above

11.   8. In accordance to the scaling technology, the total delay of the logic   1 point
       circuit depends on _____ *

       Mark only one oval.

       ◯ The capacitor to be charged

       ◯ The voltage through which capacitance must be charged

       ◯ Available current

       ◯ All of the above

12.   9. In high noise margin (NMH), the difference in magnitude between the   1 point
       maximum HIGH output voltage of driving gate and the maximum HIGH
       voltage is recognized by the _____gate. *

       Mark only one oval.

       ◯ Driven

       ◯ Receiving

       ◯ Both a and b

       ◯ None of the above

13.   10.According to the principle of current mirror, if gate-source potentials of   1 point
       two identical MOS transistors are equal, then the channel currents should
       be _____ *

       Mark only one oval.

       ◯ Equal

       ◯ Different

       ◯ Both a and b

       ◯ None of the above

14.   11._____ is the fundamental architecture block or element of a target   1 point
       PLD. *

Mark only one oval.

⬭ System Partitioning

⬭ Pre-layout Simulation

⬭ Logic cell

⬭ Post-layout Simulation

15.   12. In VLSI design, which process deals with the determination of resistance   1 point
       & capacitance of interconnections? *

Mark only one oval.

⬭ Floorplanning

⬭ Placement & Routing

⬭ Testing

⬭ Extraction

16.   13. Among the VHDL features, which language statements are executed at   1 point
       the same time in parallel flow? *

Mark only one oval.

⬭ Concurrent

⬭ Sequential

⬭ Net-list

⬭ Test-bench

17.   14. In Net-list language, the net-list is generated _____synthesizing VHDL   1 point
       code. *

Mark only one oval.

⬭ Before

⬭ At the time of (during)

⬭ After

⬭ None of the above

18.   15. In VHDL, which object/s is/are used to connect entities together for the   1 point
       model formation? *

Mark only one oval.

⬭ Constant

⬭ Variable

⬭ Signal

⬭ All of the above

This content is neither created nor endorsed by Google.

Google Forms

EXCEL ENGINEERING COLLEGE

(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A+" and Recognised by UGC (2f &12B)

KOMARAPALAYAM – 637303

DEPARTMENT OF FOOD TECHNOLOGY

Criteria II

2.3.2   Teachers use ICT-enabled tools including online resources for effective teaching
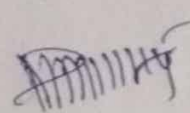
1. Smart Class Room
2. Digital Library
3. Google Classrooms
4. CAMU – Teaching Plan
5. **Website Link**

Head of the Department
Department of Food Technology,
Excel Engineering College,
Namakkal District - 638 183.

Tiruchengode, Tamil Nadu, India
CQWC+RFW, Tiruchengode, Tamil Nadu 638008, India
Lat 11.446925°
Long 77.771106°

Smart Class Room

Head of the Department
Department of Food Technology,
Excel Engineering College,
Namakkal District - 638 183.

EXCEL ENGINEERING COLLEGE
(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A+" and Recognised by UGC (2f &12B)

KOMARAPALAYAM – 637303

DEPARTMENT OF FOOD TECHNOLOGY

DIGITAL LIBRARY

Head of the Department
Department of Food Technology,
Excel Engineering College,
Namakkal District - 638 183.

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303
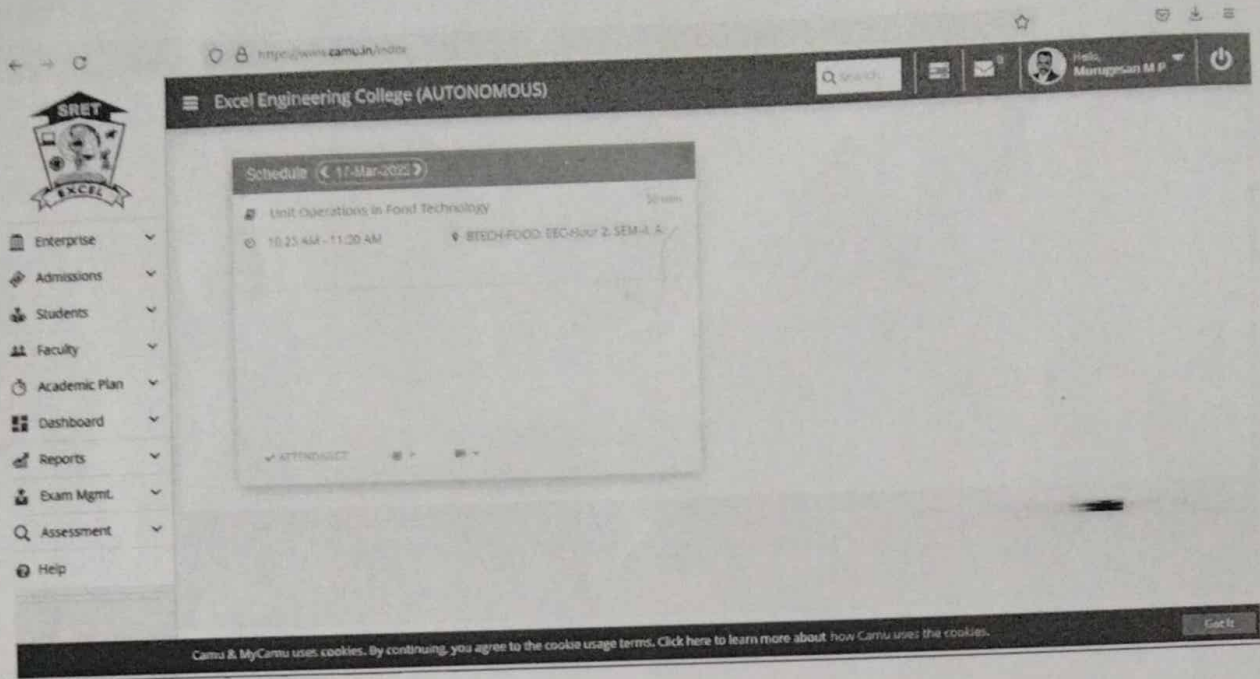
Library facilities:
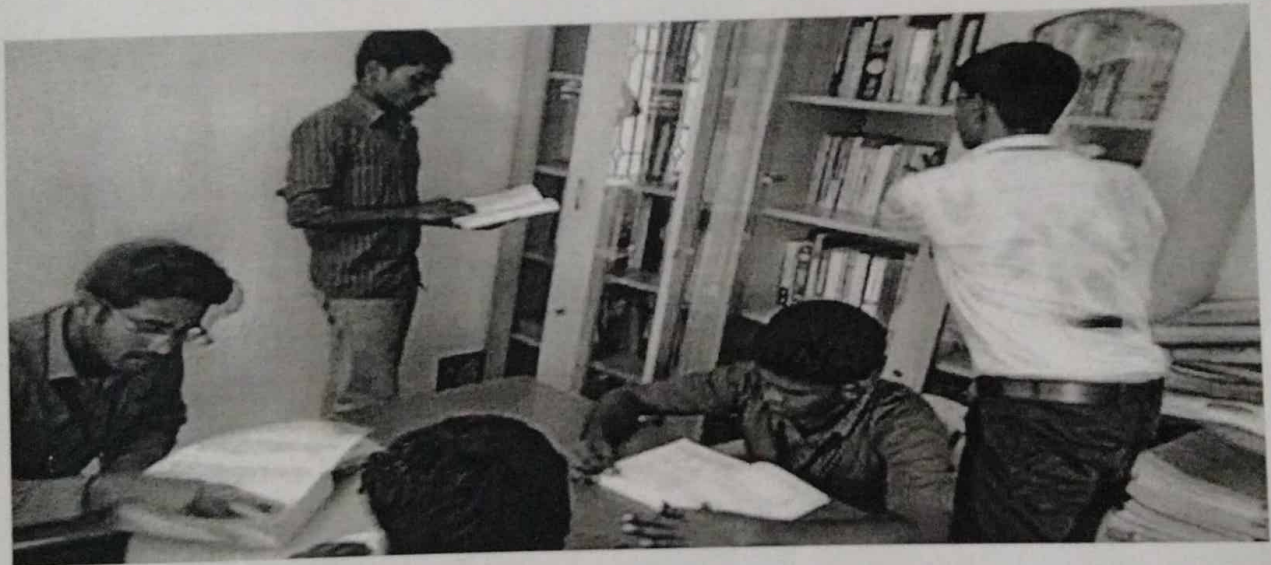
Head of the Department
Department of Food Technology,
Excel Engineering College,
Namakkal District - 638 483.

EXCEL ENGINEERING COLLEGE

(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

Accredited by NBA, NAAC with "A+" and Recognised by UGC (2f &12B)
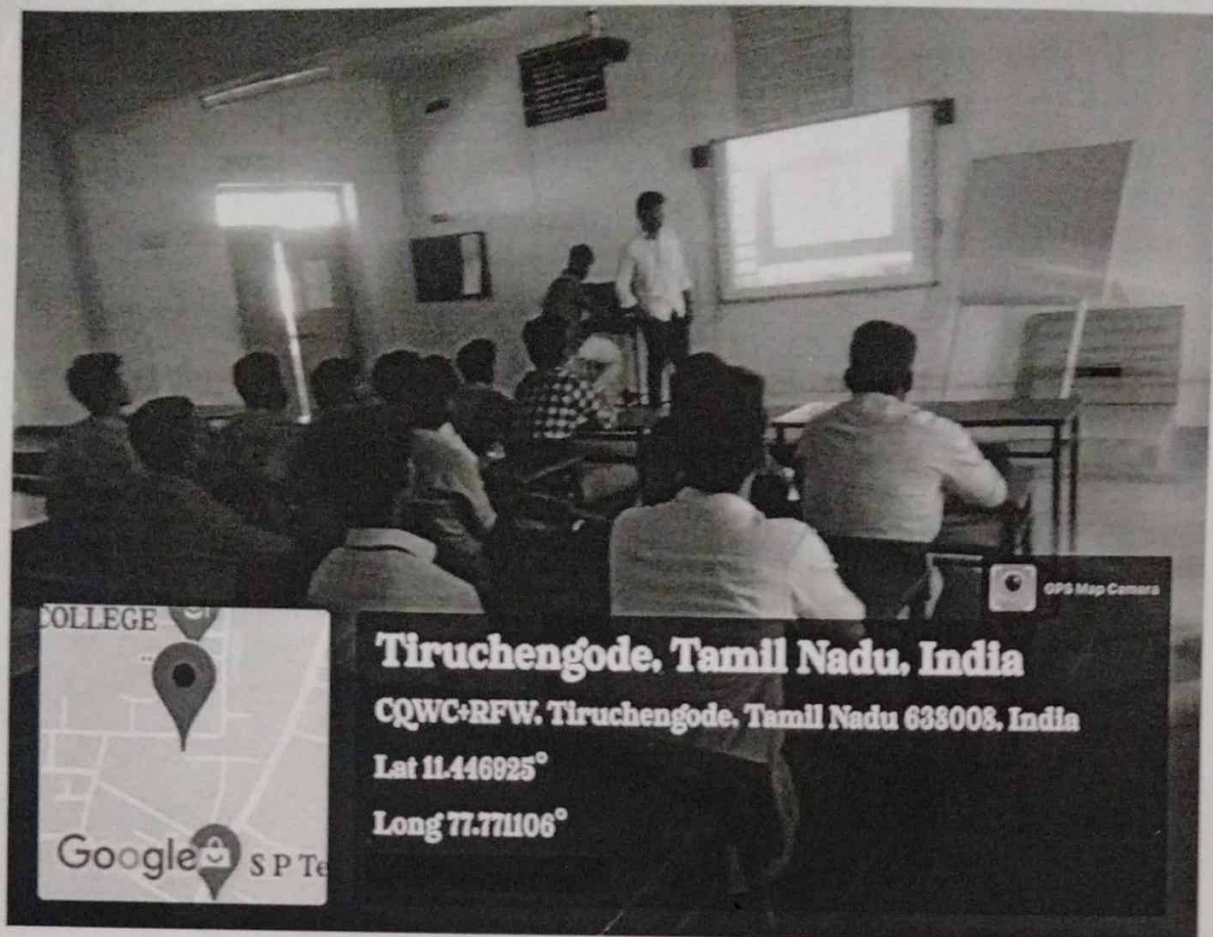
KOMARAPALAYAM - 637303

Sub. Name: ORO551 – Renewable Energy Sources

Class / Sem.: III / V

Faculty: Mrs. Priyadharshini

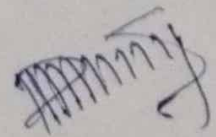| S. No.	Date	Time	Topics	No. of students present		Percentage
				Present	Absent	
1	12 – 10 – 21	9.30 - 10.20	Introduction& Role and potential of new and renewable source	22	8	73.33
2	13 – 10 – 21	11.30 - 12.20	Solar energy options, Physics of sun, Environmental impact of solar power, solar constant	22	8	73.33
3	19 – 10 – 21	9.30 - 10.20	Extra-terrestrial and terrestrial, solar radiation on tilted surface	25	5	83.33
4	20 – 10 – 21	11.30 - 12.20	Instrument for measuring solar radiation & sunshine, solar radiation data	20	10	66.67
5	21 – 10 – 21	10.30 - 11.20	Flat plate collectors	22	8	73.33
6	22 – 10 – 21	3.00 - 3.50	Concentrating collectors & its classifications	26	4	86.67
7	26 – 10 – 21	9.30 - 10.20	Thermal analysis of flat plate collector	27	3	90
8	26 – 10 – 21	10.30 - 11.20	Thermal analysis of concentrating collector	23	7	76.67
9	27 – 10 – 21	10.30 - 11.20	Introduction to solar energy storage	22	8	73.33
10	1 – 11 – 21	12.30 - 1.20	Sensible heat storage and Latent heat storage	22	8	73.33
11	2 – 11 – 21	11.30 - 12.20	Chemical storage, Mechanical energy storage and Electromagnetic storage	25	5	83.33
12	8 – 11 – 21	3.00 - 03.50	Solar pond-Introduction, working principle and its application	26	4	86.67
13&14	9 – 11 – 21	2.00 - 3.50	Application of solar energy-I & II	27	3	90
15	10 – 11 – 21	11.30 - 12.20	Application of solar energy -III	22	8	73.33
16	11 – 11 – 21	10.30 - 11.20	Application of solar energy -IV	24	6	80
17	12 – 11 – 21	02.30 - 03.20	wind energy –Introduction, sources and potentials	26	4	86.67
18	13 – 11 – 21	11.00 - 11.50	wind energy collectors system-horizontal axis and its design	25	5	83.33
19	13 – 11 – 21	02.00 - 02.50	wind energy collectors system-vertical axis and Performance characteristics and BETZ law	26	4	86.67
20	16 – 11 – 21	02.30 - 03.20	Bio mass: Principle of Bioconversion	27	3	90
21	16 – 11 – 21	04.00 - 04.50	Anaerobic and aerobic digestion types of biogas digestors, combustion characterstics of biogas	24	6	80
22	17 – 11 – 21	06.00 - 06.50	Resources, Types of wells, method of harnessing the energy and potential in India	26	4	86.67
23	18 – 11 – 21	10.30 - 11.20	OTEC-Principles setting of OTEC plants, Thermo dynamic cycles, Tidal wave energy –potential conversion	26	4	86.67

| 24	18 – 11 – 21	04.00 - 04.50	techniques			
			Wave energy, hydel power plants, Direct energy conversion, Need for DEC, Carnot cycle, Limitation, Principles of DEC	27	3	90

Class Advisor

HoD / FT

Head of the Department
Department of Food Technology,
Excel Engineering College,
Namakkal District - 638 183.

Excel Engineering College (AUTONOMOUS)

Teaching Plan Status Summary

2020-21 | Under Graduate | Food Technology | SEM-6 | A

Staff name   : Muthusamy P
Subject Code : FD8008
Subject Name: Food Process Equipment design

Unit -V DESIGNOFPROCESSEQUIPMENTS

SUB TOPICS	PLANNED DATES	CURRENT STATUS	DATE OF LAST UPDATE	REMARKS	LAST STATUS UPDATED BY
Design of double pipe heat exchanger	13-May-2021	Completed	07-Jul-2021	completed	Muthusamy P
Design of Shell and Tube heat exchanger	17-May-2021	Completed	07-Jul-2021	completed	Muthusamy P
Design of single effect Evaporator	19-May-2021	Completed	07-Jul-2021	completed	Muthusamy P
Agitation Vessels	20-May-2021	Completed	07-Jul-2021	completed	Muthusamy P
Design pressure	21-May-2021	Completed	07-Jul-2021	completed	Muthusamy P
centrifugal separator.	24-May-2021	Completed	07-Jul-2021	completed	Muthusamy P
Design of Rotary dryer	26-May-2021	Completed	07-Jul-2021	completed	Muthusamy P
solving design problems	31-May-2021	Completed	07-Jul-2021	completed	Muthusamy P
revision	28-May-2021	Completed	07-Jul-2021	completed	Muthusamy P

Unit -IV Design supports

SUB TOPICS	PLANNED DATES	CURRENT STATUS	DATE OF LAST UPDATE	REMARKS	LAST STATUS UPDATED BY
desgin of flange connection	26-Apr-2021	Completed	07-Jul-2021	completed	Muthusamy P
design of threaded fasteners	28-Apr-2021	Completed	07-Jul-2021	completed	Muthusamy P
Design of supports;	29-Apr-2021	Completed	07-Jul-2021	completed	Muthusamy P
Bracket or Lug supports	30-Apr-2021	Completed	07-Jul-2021	completed	Muthusamy P
Leg Supports	03-May-2021	Completed	07-Jul-2021	completed	Muthusamy P
design of Skirt Supports	05-May-2021	Completed	07-Jul-2021	completed	Muthusamy P
solving design problems	06-May-2021	Completed	07-Jul-2021	completed	Muthusamy P
comparision of lug support and leg suppor	07-May-2021	Completed	07-Jul-2021	completed	Muthusamy P
revision	10-May-2021	Completed	07-Jul-2021	completed	Muthusamy P

Camu - Your Campus

3/23/22, 5:51 PM

unit -III DESIGNOFPIPESANDPRESSUREVESSELS ⎯
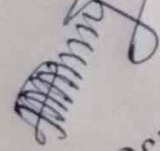
SUB TOPICS	PLANNED DATES	CURRENT STATUS	DATE OF LAST UPDATE	REMARKS	LAST STATUS UPDATED BY
design of pipe and tube	12-Apr-2021	Completed	07-Jul-2021	completed	Muthusamy P
pipe fittings and Accessary	15-Apr-2021	Completed	07-Jul-2021	completed	Muthusamy P
Process vessels under internal pressure	16-Apr-2021	Completed	07-Jul-2021	completed	Muthusamy P
Process vessels -external pressure	19-Apr-2021	Completed	07-Jul-2021	completed	Muthusamy P
Design of attachments	21-Apr-2021	Completed	07-Jul-2021	completed	Muthusamy P
pressure vessel closure	22-Apr-2021	Completed	07-Jul-2021	completed	Muthusamy P

unit-II CONSTRUCTIONREQUIREMENTS

SUB TOPICS	PLANNED DATES	CURRENT STATUS	DATE OF LAST UPDATE	REMARKS	LAST STATUS UPDATED BY
Design basis	29-Mar-2021	Completed	07-Jul-2021	completed	Muthusamy P
Design code	31-Mar-2021	Completed	07-Jul-2021	completed	Muthusamy P
stress & factor of safety	01-Apr-2021	Completed	07-Jul-2021	completed	Muthusamy P
corrosion allowance factor	05-Apr-2021	Completed	07-Jul-2021	completed	Muthusamy P
Weld joint efficiency	07-Apr-2021	Completed	07-Jul-2021	completed	Muthusamy P
Design loadings	08-Apr-2021	Completed	07-Jul-2021	completed	Muthusamy P
criteria of failure	09-Apr-2021	Completed	07-Jul-2021	completed	Muthusamy P

Unit-1 Introduction

SUB TOPICS	PLANNED DATES	CURRENT STATUS	DATE OF LAST UPDATE	REMARKS	LAST STATUS UPDATED BY
Material of construction	15-Mar-2021	Completed	07-Jul-2021	completed	Muthusamy P
Introduction to material selection	17-Mar-2021	Completed	07-Jul-2021	completed	Muthusamy P
Material properties	18-Mar-2021	Completed	07-Jul-2021	completed	Muthusamy P
Environmental effects on material selection	22-Mar-2021	Completed	07-Jul-2021	completed	Muthusamy P
Mechanical properties	24-Mar-2021	Completed	07-Jul-2021	completed	Muthusamy P
strength of materials.	25-Mar-2021	Completed	07-Jul-2021	completed	Muthusamy P
process plant lay out	26-Mar-2021	Completed	07-Jul-2021	completed	Muthusamy P

Head of the Department
Department of Food Technology,
Excel Engineering College,
Namakkal District - 638 183.
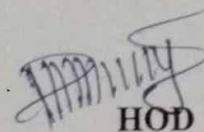
EXCEL ENGINEERING COLLEGE
KOMARAPALAYAM -637 303
DEPARTMENT OF FOOD TECHNOLOGY

UG B.TECH-FOOD TECHNOLOGY
List of Faculty Members Using ICT for Teaching

S.No	Name/ Designation	Name of the Subject	ICT Tools Used
1	Dr.P.Muthusamy /Professor	Food process equipment design	• PPT • Video lecturing • Role play • http://www.nptelvideos.in/2012/12/operations-and-supply-chain-management.html
2	Dr.M.P. Murugesan/Associate Professor	Unit Operations for Food Industries	• PPT • NPTEL Videos • OHP http://www.nptelvideos.in/2012/11/flight-dynamics-ii-stability_27.html
3	Mrs.U.Rammiya/Assistant Professor	Food Additives	• PPT • NPTEL Videos • Video lecturing https://www.youtube.com/watch?v=Hzal27tl HME&list=PL7gQ0ht5fZjumcE5Xyf34ZAnhxi8FOUuZ
4	Mr.V.Ramesh/Assistant Professor	Baking and Confectionary Technology	• PPT • NPTEL Videos • http://www.nptelvideos.in/2012/12/finite-element-method.html
5	Mr.M.Vijay Assistant/Professor	Food Chemistry and Nutrition	• PPT • NPTEL Videos • Demonstration in Laboratory • https://youtu.be/BDPMaSLwyLY
6	Ms.E.Nivetha Assistant/Professor	Fruits and Vegetable Processing Technology	• Practical Demonstration in Laboratory • Video lecturing • https://www.youtube.com/watch?v=X8Phht A4xxE&list=PLOby6NKZ6AbjFdZYwUM_3IEWP CbrFcynG&index=3
7	Mr.M.Raja Assistant/Professor	Food Process Calculations	• Animation videos • Video presentation • Video lecturing http://www.nptelvideos.in/2012/12/finite-element-method.html
8	Mr.N.V. Arun Prasath Assistant/Professor	Food Toxicology and Allergy	• PPT • NPTEL Videos • Demonstration in Laboratory http://www.nptelvideos.in/2012/12/manufacturing-systems-management.html

9	Dr.M.Indumathi Assistant/Professor	Food Processing and Preservation	• NPTEL Videos • http://www.nptelvideos.in/2012/11/aero-elasticity_27.html
10	S.P.Rajesh Assistant/Professor	Fundamentals of Heat and Mass Transfer	• PPT • NPTEL Videos • http://www.nptelvideos.in/2012/11/jet-aircraft-propulsion.html
11	Mrs.M.Nithya Assistant/Professor	Introduction to Food Processing	• PPT • NPTEL Videos • Video lecturing http://www.nptelvideos.in/2012/12/rocket-propulsion.html
12	Mrs.K.Priyadharsini/Assistant Professor	Food Microbiology	• PPT • NPTEL Videos • Video presentation • https://youtu.be/C8JIISiR_jM?t=5

HOD

Head of the Department
Department of Food Technology,
Excel Engineering College,
Namakkal District - 638 183.
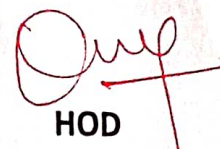
EXCEL ENGINEERING COLLEGE

KOMARAPALYAM-637303

DEPARTMENT OF INFORMATION TECHNOLOGY

Metric No.	Key Indicator	Weight age	Number of teachers using ICT (LMS, e-Resources)	Number of teachers on roll ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used	Link of the relevant documents
2.3.2	Teachers use ICT-enabled tools including online resources for effective teaching and learning	10	12	12	2	1	2	

HOD

DEPARTMENT OF IT
Excel Engineering College
Komarapalayam - 637 303.

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A+" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

Smart Class Room

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

Video Lecturing

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A+" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

Digital Library

Some of the E-resources

1. https://www.delnet.com

2. https://www.britishcouncil.in/english/chennai

3. https://ndl.iitkgp.ac.in/

4. https://www.magzter.com/

5. https://www.pdfdrive.com/

Google classroom

≡ CS8492 - DATABASE MANAGEMENT SYSTEMS

Stream   Classwork   People   Grades
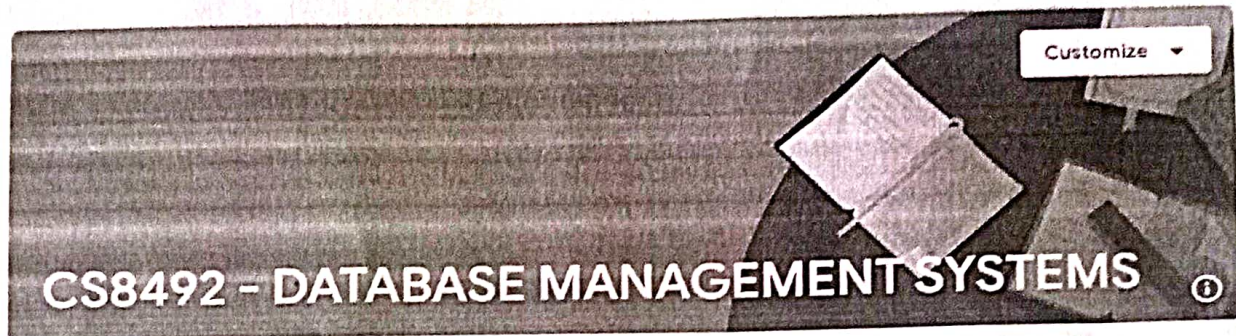
Class code   ⋮

4llge65

⑦Upcoming

Announce something to your class

Santhosh J
Jun 02 2021

J.Santhosh

≡ Mobile communication
A

Stream   Classwork   People   Grades

Mobile communication
A

Class code   ⋮

gvg2w72

Announce something to your class

Online Competitions

Online Java Quiz was oraganized by Department of Information Technology on 08.08.2020 for students

Codes cracker

Online Java quiz organized by Department of Information Technology on 08.08.2020

vpdineshkumar.eec@excelcolleges.com (not shared) Switch account

* Required

Find the output of the following code. int Integer = 24; char String = 'I';
System.out.print(Integer); System.out.print(String); *

○ compile error

○ Throws exception

Excel Engineering College (AUTONOMOUS)

Teaching Plan Status Summary

2020-21 | Under Graduate | Information Technology | SEM-3 | A

Staff name   : KIRUTHIKA S
Subject Code : CS8392
Subject Name: Object Oriented Programming

UNIT V EVENT DRIVEN PROGRAMMING

SUB TOPICS	PLANNED DATES	CURRENT STATUS	DATE OF LAST UPDATE	REMARKS	LAST STATUS UPDATED BY
Graphics programming - Frame – Components	27-Oct-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
- working with 2D shapes - Using color, fonts, and images	28-Oct-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Basics of event handling - event handlers - adapter classes - actions - mouse events	29-Oct-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
AWT event hierarchy	30-Oct-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
- Introduction to Swing	05-Nov-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
layout management - Swing Components – Text Fields , Text Areas – Buttons- Check Boxes – Radio Buttons	03-Nov-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Lists- choices- Scrollbars – Windows –Menus – Dialog Boxes.	06-Nov-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Web Essentials(Content Beyond Syllabus)	10-Nov-2020	Completed	03-Dec-2020	Completed	KIRUTHIKA S

Unit-IV MULTITHREADING AND GENERIC PROGRAMMING

SUB TOPICS	PLANNED DATES	CURRENT STATUS	DATE OF LAST UPDATE	REMARKS	LAST STATUS UPDATED BY
Introduction	13-Oct-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Differences between multi-threading and multitasking	13-Oct-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
thread life cycle	15-Oct-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
creating threads	16-Oct-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
synchronizing threads	19-Oct-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Inter-thread communication	19-Oct-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
thread groups	20-Oct-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Generic Programming –	20-Oct-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Generic classes – generic methods	22-Oct-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Bounded Types – Restrictions and Limitations.	27-Oct-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S

UNIT- 3

SUB TOPICS	PLANNED DATES	CURRENT STATUS	DATE OF LAST UPDATE	REMARKS	LAST STATUS UPDATED BY
EXCEPTION HANDLING AND I/O	06-Oct-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Exceptions	28-Sep-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
exception hierarchy	28-Sep-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
throwing and catching exceptions	29-Sep-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
built-in exceptions, creating own exceptions,	29-Sep-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Stack Trace Elements.	01-Oct-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Input / Output Basics – Streams	01-Oct-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Byte streams and Character streams	05-Oct-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Reading and Writing Console	05-Oct-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Reading and Writing Files	06-Oct-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S

UNIT 2

SUB TOPICS	PLANNED DATES	CURRENT STATUS	DATE OF LAST UPDATE	REMARKS	LAST STATUS UPDATED BY
Inheritance – Super classes	08-Sep-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
sub classes –Protected members – constructors in sub classes	15-Sep-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Object class – abstract classes and methods	17-Sep-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
final methods and classes	18-Sep-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Interfaces – defining an interface, implementing interface	21-Sep-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
differences between classes and interfaces and extending interfaces	22-Sep-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Object cloning	24-Sep-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
inner classes	24-Sep-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Array Lists – Strings	25-Sep-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S

Unit 1

SUB TOPICS	PLANNED DATES	CURRENT STATUS	DATE OF LAST UPDATE	REMARKS	LAST STATUS UPDATED BY
INTRODUCTION TO OOP AND JAVA FUNDAMENTALS	13-Aug-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
To understand the Features of OOP	14-Aug-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Characteristics of Java – The Java Environment	18-Aug-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Java Source File, Structure and Compilation	20-Aug-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Fundamental Programming Structures and Defining classes in Java	21-Aug-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
constructors, methods, access specifiers, static members and Comments.	25-Aug-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Data Types, Variables, Operators, Control Flow	27-Aug-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Arrays	28-Aug-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
Packages	01-Sep-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S
JavaDoc comments	04-Sep-2020	Completed	02-Dec-2020	Completed	KIRUTHIKA S

Unit 1

Excel Engineering College (AUTONOMOUS)

Subject Wise Feedback Report

Under Graduate | B.Tech-IT | 2020-21 | Information Technology | SEM-5 | A

S.No.	Section	CS8494	MA8551	IT8501	EC8691	CS8591
1	A	3.1	3.1	1.9	1.9	4.4
2	A	3.3	3.7	4.0	3.6	3.8
3	A	5.0	5.0	5.0	5.0	5.0
4	A	4.7	4.7	4.5	5.0	5.0
5	A	3.0	2.3	3.2	3.2	5.0
6	A	4.6	-	4.4	4.5	4.3
7	A	4.3	4.5	5.0	4.3	4.2
8	A	5.0	5.0	5.0	5.0	4.1
9	A	2.8	2.3	2.0	2.0	2.8
10	A	3.8	3.8	3.4	3.7	4.6
11	A	2.8	2.7	3.1	3.1	3.2
12	A	3.9	3.9	3.9	4.1	4.3
13	A	4.2	4.2	4.3	4.2	4.2
	Total	50.5	45.2	49.7	49.6	54.9
	Average	3.9	3.8	3.8	3.8	4.2
	Percentage	78.0%	76.0%	76.0%	76.0%	84.0%
	Staff name	KIRUTHIKA S	Kalaiyarasi V	Sharmila C	Sakthivel N	Dineshkumar P(Veppadai)
	SIGNATURE					

Excel Engineering College (AUTONOMOUS)

Subject Wise Feedback Report

Under Graduate | B.Tech-IT | 2020-21 | Information Technology | SEM-5 | A

S.No.	Section	CS8494	MA8551	IT8501	EC8691	CS8591

List of Subjects

CS8494	SOFTWARE ENGINEERING
MA8551	ALGEBRA AND NUMBER THEORY
IT8501	WEB TECHNOLOGY
EC8691	MICROPROCESSOR AND MICROCONTROLLERS
CS8591	COMPUTER NETWORKS

HoD   DEAN   Principal

Printed By kiruthicse93@gmail.com   Printed On 10-12-2020

EXCEL ENGINEERING COLLEGE

(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

DEPARTMENT OF MECHANICAL ENGINEERING

2.3.2 Teachers use ICT-enabled tools including online resources for effective teaching

1. Smart Class Room
2. Video Lecturing (May be Youtube)
3. Digital Library
4. Google Classrooms
5. Online Competitions (Google Forms)
6. CAMU – Teaching Plan

HOD/MECH

HEAD OF THE DEPARTMENT
MECHANICAL ENGINEERING,
EXCEL ENGINEERING COLLEGE
KOMARAPALAYAM - 637303.

EXCEL ENGINEERING COLLEGE

(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA and NAAC with "A+"and Recognized by UGC(2f&12B)
KOMARAPALAYAM – 637303
DEPARTMENT OF MECHANICAL ENGINEERING

Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc

Number of teachers on roll	Number of teachers using ICT (LMS, e-Resources)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
22	22	Smart Class Room, Hyundai Seminar Hall, Pavayammal Hall	6	1	1. Video Presentation, 2.PPT Presentation

HEAD OF THE DEPARTMENT
MECHANICAL ENGINEERING,
EXCEL ENGINEERING COLLEGE
KOMARAPALAYAM - 637303.

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA and NAAC with "A+"and Recognized by UGC(2f&12B)
KOMARAPALAYAM – 637303
DEPARTMENT OF MECHANICAL ENGINEERING

Academic year 2020-21

S.No	Name & Designation	Name of the Subject	ICT Tools Used
1.	Mr.M.Srikanth Asso. Prof	Automobile Engg	Hyundai lab Presentation https://www.youtube.com/watch?v=SGL2pFyNVTQ
2.	Mr.K.Boopathy Asso. Prof	Total quality management	Video Presentation In Thiruvalluvar Hall https://www.vutube.edu.pk/vu-lectures/viewcategory/173/total-quality-management
3.	Mr.G.Ramamoorthi Asst. Prof	Thermal engg	E JOURNALS IN LIBRARY https://www.journals.elsevier.com/applied-thermal-engineering
4.	Mr.K.Yuvaraj(Bhavani) Asst. Prof	Engineering graphics	NPTEL Video in Pavayammal Hall https://nptel.ac.in/courses/112103019/
5.	Mr.V.Sathishkumar Asst. Prof	Strength of materials	Video Presentation IN seminar hall https://ocw.mit.edu/courses/audio-video-courses/
6.	Mr.S.S.Jayaraman Asst. Prof	Manufacturing technology	You tube video in Smart Class Room https://www.youtube.com/watch?v=6EcqWK1unTA
7.	Mr.S.Nirmal Kumar Asst. Prof	Design of machine elements	You tube video in Smart Class Room https://www.youtube.com/watch?v=hTL8JMmfSC0
8.	Mr.K.Yuvaraj (Pallipalayam) Asst. Prof	Design of transmission systems	You tube video in Smart Class Room https://www.youtube.com/watch?v=1t3Ct2t-Qtg
9.	Mr.V.ShanthaMoorthy Asst. Prof	Robotics	NPTEL Video in Pavayammal Hall https://nptel.ac.in/courses/112101099/
10.	Mr.D.Alagesan Asst. Prof	Unconventional	Video Presentation In Thiruvalluvar Hall https://prezi.com/omfybflh7aud/unconventional

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA and NAAC with "A+"and Recognized by UGC(2f&12B)
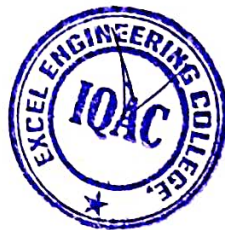**KOMARAPALAYAM – 637303**
DEPARTMENT OF MECHANICAL ENGINEERING

		machining process	-machining-processes/
11.	Mr.P.Jagadeeshwaran Asst. Prof	Mechatronics	Video Presentation IN Pavayammal hall http://www.powershow.com/view/8e6e2-ODZjY/Mechatronics_powerpoint_ppt_presentation
12.	Mr.M.Pradeep Asst. Prof	Principles of management	You tube video in Smart Class Room https://www.youtube.com/watch?v=Mufhd2iQLDo
13.	Mr.P.Praveen Asst. Prof	Computer aided design	E JOURNALS IN LIBRARY https://www.journals.elsevier.com/computer-aided-design
14.	Mr.P.Nithyanand Asst. Prof	Process planning	You tube video in Smart Class Room https://www.youtube.com/watch?v=Ieek7XgKfxM
15.	Mr.V.Karthikeyan Asst. Prof	Engg economics	Chart Presentation and Demo In Smart Class Room https://www.slideshare.net/gauravhtandon1/engineering-economics-77469147

EXCEL ENGINEERING COLLEGE
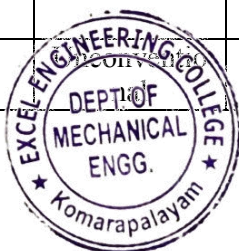## (Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

Smart Class Room

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

Video Lecturing

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

Digital Library

EXCEL ENGINEERING COLLEGE
DEPT. OF LIBRARY

USER NAME & PASSWORD

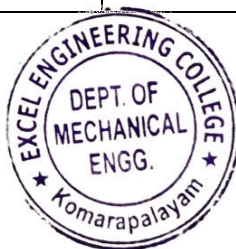|	
DELNET:	
	USER NAME : tneecn
	PASSWORD : eecn2475
MAT:	URL:http://matjournals.in/index.php/index/user
	USER NAME: eec
	PASSWORD: eec@#!159
BRITISH COUNCIL LIBRARY:	
	USER NAME :principaleec@excelcolleges.com
	PASSWORD : Abcd@1234
Membership number AMA037472	
NATIONAL DIGITAL LIBRARY	
	USER NAME : principaleec@excelcolleges.com
	PASSWORD : excelexcel
IEEE- Journals : - ECE,CSE,AERO , MECH	
	USER NAME : eececehod@excelcolleges.com
	PASSWORD : eececehod123
	USER NAME : eeccsehod@excelcolleges.com
	PASSWORD : hodcseit1
	USERNAME : karankaruna@yahoo.com
	PASSWORD : karunagkarang1
SHODH GANGA : INDIAN THESIS(2,10,000)	
	URL: http://shodhganga.inflibnet.ac.in/
PDF DRIVE NET : 75022448 ABOVE E-BOOKS	
	URL: https://www.pdfdrive.com/

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

Google Classrooms

3:21 PM

Instructions   Student work

Draw the Iron Carbon Diagram and Explain.
100 points

Class comments

9079 Pratheesh 30 Mar 2021
Hii

Add class comment

← 100 points ▾ ⬙ ⋮

Instructions | **Student work**

29
Assigned

13
Handed in

☐ HANDED IN

☐ 👤 9065 Md Rehan Ra...   Handed in

☐ 👤 9078Pranav Prasa...   Handed in

☐ 👤 9091 Ranjithkumar.R   Handed in

☐ 👤 9097Samir Akhtar   Handed in

☐ 👤 9103 SAURABH KU...   Handed in

☐ 👤 9105 Shibtain raza   Handed in

☐ 👤 9112 THUSHAR .T   Handed in

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
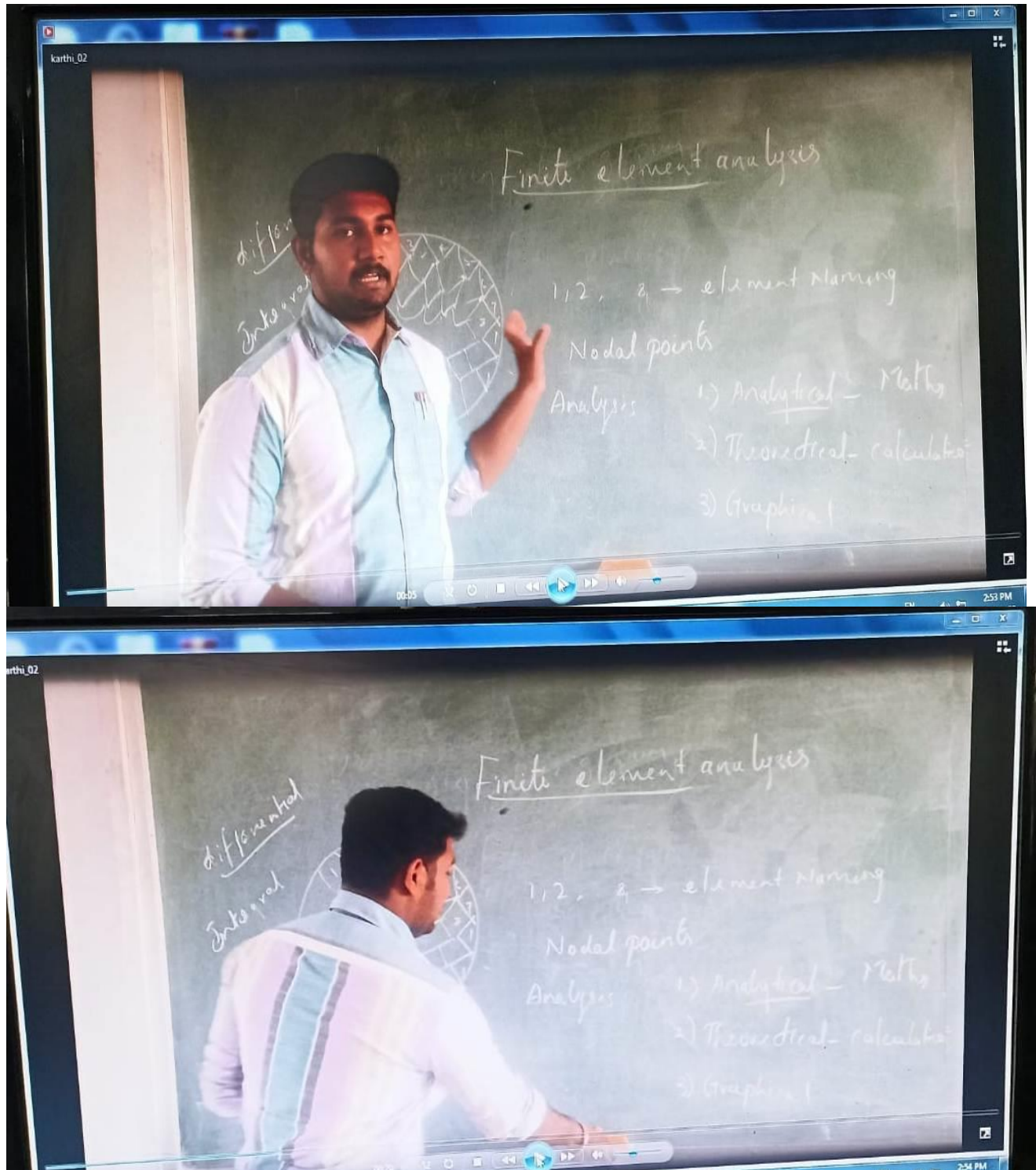### KOMARAPALAYAM - 637303

Online Competitions (Google Forms)

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

CAMU – Teaching Plan

Excel Engineering College (AUTONOMOUS)

Teaching Plan Status Summary

2020-21 | Under Graduate | Mechanical Engineering | SEM-7 | A

Staff name   : Alagesan D
Subject Code : ME8791
Subject Name: Mechatronics

ACTUATORS AND MECHATRONIC SYSTEM DESIGN

SUB TOPICS	PLANNED DATES	CURRENT STATUS	DATE OF LAST UPDATE	REMARKS	LAST STATUS UPDATED BY
Types of Stepper and Servo motors	11-Nov-2020	Completed	11-Nov-2020	Completed	Alagesan D
Construction	18-Nov-2020	Completed	18-Nov-2020	Completed	Alagesan D
Working Principle	20-Nov-2020	Completed	20-Nov-2020	Completed	Alagesan D
Advantages and Disadvantages	20-Nov-2020	Completed	20-Nov-2020	Completed	Alagesan D
Design process-stages of design process	25-Nov-2020	Completed	25-Nov-2020	Completed	Alagesan D
Traditional and Mechatronics design concepts	27-Nov-2020	Completed	27-Nov-2020	Completed	Alagesan D
Case studies of Mechatronics systems	27-Nov-2020	Completed	27-Nov-2020	Completed	Alagesan D
Pick and place Robot	02-Dec-2020	Completed	02-Dec-2020	Completed	Alagesan D
Engine Management system	04-Dec-2020	Completed	04-Dec-2020	Completed	Alagesan D
Automatic car park barrier	04-Dec-2020	Completed	04-Dec-2020	Completed	Alagesan D

PROGRAMMABLE LOGIC CONTROLLER					
SUB TOPICS	PLANNED DATES	CURRENT STATUS	DATE OF LAST UPDATE	REMARKS	LAST STATUS UPDATED BY
Introduction	21-Oct-2020	Completed	21-Oct-2020	Completed	Alagesan D
Basic structure	23-Oct-2020	Completed	23-Oct-2020	Completed	Alagesan D
Input and output processing	23-Oct-2020	Completed	23-Oct-2020	Completed	Alagesan D
Programming	28-Oct-2020	Completed	28-Oct-2020	Completed	Alagesan D
Mnemonics	30-Oct-2020	Completed	30-Oct-2020	Completed	Alagesan D
Timers, counters and internal relays	30-Oct-2020	Completed	30-Oct-2020	Completed	Alagesan D
Data handling	04-Nov-2020	Completed	04-Nov-2020	Completed	Alagesan D
Selection of PLC	06-Nov-2020	Completed	06-Nov-2020	Completed	Alagesan D
Tutorial	06-Nov-2020	Completed	06-Nov-2020	Completed	Alagesan D

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A+" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

PROGRAMMABLE PERIPHERAL INTERFACE					
SUB TOPICS	PLANNED DATES	CURRENT STATUS	DATE OF LAST UPDATE	REMARKS	LAST STATUS UPDATED BY
Introduction	25-Sep-2020	Completed	25-Sep-2020	Completed	Alagesan D
Architecture of 8255	25-Sep-2020	Completed	25-Sep-2020	Completed	Alagesan D
Keyboard interfacing	30-Sep-2020	Completed	30-Sep-2020	Completed	Alagesan D
LED display	07-Oct-2020	Completed	07-Oct-2020	Completed	Alagesan D
Interfacing, ADC and DAC interface	09-Oct-2020	Completed	09-Oct-2020	Completed	Alagesan D
Temperature Control	09-Oct-2020	Completed	09-Oct-2020	Completed	Alagesan D
Stepper Motor Control	14-Oct-2020	Completed	14-Oct-2020	Completed	Alagesan D
Traffic Control interface	16-Oct-2020	Completed	16-Oct-2020	Completed	Alagesan D
Tutorial	16-Oct-2020	Completed	16-Oct-2020	Completed	Alagesan D

8085 MICROPROCESSOR AND 8051 MICROCONTROLLER					
SUB TOPICS	PLANNED DATES	CURRENT STATUS	DATE OF LAST UPDATE	REMARKS	LAST STATUS UPDATED BY
Introduction	04-Sep-2020	Completed	04-Sep-2020	Completed	Alagesan D
Architecture of 8085	04-Sep-2020	Completed	04-Sep-2020	Completed	Alagesan D
Pin Configuration	09-Sep-2020	Completed	09-Sep-2020	Completed	Alagesan D
Addressing Modes	11-Sep-2020	Completed	11-Sep-2020	Completed	Alagesan D
Instruction set	11-Sep-2020	Completed	11-Sep-2020	Completed	Alagesan D
Timing diagram of 8085	16-Sep-2020	Completed	16-Sep-2020	Completed	Alagesan D
Concepts of 8051 microcontroller	18-Sep-2020	Completed	18-Sep-2020	Completed	Alagesan D
Block diagram for microcontrollers	18-Sep-2020	Completed	18-Sep-2020	Completed	Alagesan D
Tutorial	23-Sep-2020	Completed	23-Sep-2020	Completed	Alagesan D

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

INTRODUCTION					
SUB TOPICS	**PLANNED DATES**	**CURRENT STATUS**	**DATE OF LAST UPDATE**	**REMARKS**	**LAST STATUS UPDATED BY**
Introduction to Mechatronics	12-Aug-2020	Completed	12-Aug-2020	Completed	Alagesan D
Systems	14-Aug-2020	Completed	14-Aug-2020	Completed	Alagesan D
Concepts of Mechatronics approach	14-Aug-2020	Completed	14-Aug-2020	Completed	Alagesan D
Need for Mechatronics	19-Aug-2020	Completed	19-Aug-2020	Completed	Alagesan D
Emerging areas of Mechatronics	21-Aug-2020	Completed	21-Aug-2020	Completed	Alagesan D
Classification of Mechatronics. Sensors and Transducers	21-Aug-2020	Completed	21-Aug-2020	Completed	Alagesan D
Static and dynamic Characteristics of Sensor	26-Aug-2020	Completed	26-Aug-2020	Completed	Alagesan D
Potentiometers – LVDT – Capacitance sensors	28-Aug-2020	Completed	28-Aug-2020	Completed	Alagesan D
Strain gauges – Eddy current sensor – Hall effect sensor	28-Aug-2020	Completed	28-Aug-2020	Completed	Alagesan D
Temperature sensors – Light sensors	02-Sep-2020	Completed	02-Sep-2020	Completed	Alagesan D

EXCEL ENGINEERING COLLEGE

(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

Accredited by NBA, NAAC with "A+" and Recognised by UGC (2f &12B)

KOMARAPALAYAM - 637303

Department of Science and Humanities

CRITERIA 2

Teachers use ICT-enabled tools including online resources for effective teaching and learning:

Metric No.	Key Indicator	Weightage	Number of teachers using ICT (LMS, e-Resources)	Number of teachers on roll ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used	Link of the relevant documents
2.3.2	Teachers use ICT-enabled tools including online resources for effective teaching and learning: Present a write-up within a maximum of 200 words. Provide link to the webpage describing ICT-enabled tools including online resources that are used for effective teaching and learning File Description: • Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process • Upload any additional information	10	45	45	5	5	Nptel, Youtube Zoom, Google meet	

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A+" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

Smart Class Room

EXCEL ENGINEERING COLLEGE

(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A+" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

Video Lecturing

EXCEL ENGINEERING COLLEGE

(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

Digital Library

Some of the E-resources

1.https://www.delnet.com

2. https://www.britishcouncil.in/english/chennai

3. https://ndl.iitkgp.ac.in/

4. https://www.magzter.com/

5.https://www.pdfdrive.com/

EXCEL ENGINEERING COLLEGE

(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A+" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

Google classroom

Google classroom was conducted for first year students(2020-2021)

Online Competitions

Online Maths Quiz was organized by Department of Mathematics on 20.6.2020 for all first year students

Online Maths Quiz

Online Maths quiz organized by Department of Mathematics on 20.6.2020

msindhu0387@gmail.com (not shared) Switch accounts

*Required

A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour? *

○ 3.6

○ 7.2

○ 8.4

○ 10

Excel Engineering College (AUTONOMOUS)

Teaching Plan Status Summary

2020-21 | Under Graduate | Civil Engineering | SEM-2 | A

Staff name   : Rammanohar M G
Subject Code : 20ENE02
Subject Name: Advanced Communicative English

Unit - I Grammar and usage					
SUB TOPICS	PLANNED DATES	CURRENT STATUS	DATE OF LAST UPDATE	REMARKS	LAST STATUS UPDATED BY
Active voice and passive voice	16-Jun-2021	Completed	16-Jun-2021		
Prefixes and suffixes	16-Jun-2021	Completed	16-Jun-2021		
Connotation	16-Jun-2021	Completed	16-Jun-2021		
Clauses - If conditionals	16-Jun-2021	Completed	16-Jun-2021		
Idioms & Phrases	16-Jun-2021	Completed	16-Jun-2021		
Right forms of verbs	16-Jun-2021	Completed	16-Jun-2021		
Modal Auxiliaries	16-Jun-2021	Completed	16-Jun-2021		
Spotting errors	16-Jun-2021	Completed	16-Jun-2021		

Unit II Lexical competence					
SUB TOPICS	PLANNED DATES	CURRENT STATUS	DATE OF LAST UPDATE	REMARKS	LAST STATUS UPDATED BY
Technical Vocabulary	16-Jun-2021	Completed	16-Jun-2021		
Expressions – Frequency	16-Jun-2021	Completed	16-Jun-2021		
Expressions – Cause and effect	16-Jun-2021	Completed	16-Jun-2021		
Words often Misspelled	16-Jun-2021	Completed	16-Jun-2021		
Syntax and structure	16-Jun-2021	Completed	16-Jun-2021		
Homophones and Homonyms	16-Jun-2021	Completed	16-Jun-2021		
Verbal analogy	16-Jun-2021	Completed	16-Jun-2021		
Phrasal verbs.	16-Jun-2021	Completed	16-Jun-2021		

Unit III Conversational etiquette					
SUB TOPICS	PLANNED DATES	CURRENT STATUS	DATE OF LAST UPDATE	REMARKS	LAST STATUS UPDATED BY
Processes description	16-Jun-2021	Completed	16-Jun-2021		
Tone and accent in speech	05-Jul-2021	Completed	05-Jul-2021		
Role-play (Job-Interview)	05-Jul-2021	Completed	05-Jul-2021		
Presentation skills – Mechanics of presentation	05-Jul-2021	Completed	05-Jul-2021		
Telephone etiquette 1	05-Jul-2021	Completed	05-Jul-2021		
Group Discussion strategy	05-Jul-2021	Completed	05-Jul-2021		
Formal & Informal subjective and objective introduction	05-Jul-2021	Completed	05-Jul-2021		
Mock Interview & Body Language	05-Jul-2021	Completed	05-Jul-2021		
GD Practical 1					
GD - Practical 2					
Role-play – Processes Description	16-Jun-2021	Completed	16-Jun-2021		
Telephone etiquette II					

Unit IV Listening, reading and writing					
SUB TOPICS	PLANNED DATES	CURRENT STATUS	DATE OF LAST UPDATE	REMARKS	LAST STATUS UPDATED BY
Listen to Scientific/Technical talks and gap filling	05-Jul-2021	Completed	05-Jul-2021		
Listening to TED/INK Talks	05-Jul-2021	Completed	05-Jul-2021		
Reading – "Water: The Elixir of Life" by Sir. C.V.Raman.	05-Jul-2021	Completed	05-Jul-2021		
Reading – "Progress" by St. John Ervine	05-Jul-2021	Completed	05-Jul-2021		
Instructions	16-Jun-2021	Completed	16-Jun-2021		
Letter writing formal	16-Jun-2021	Completed	16-Jun-2021		
Job application	16-Jun-2021	Completed	16-Jun-2021		
Report writing–Introspective report	05-Jul-2021	Completed	05-Jul-2021		
Creative writing – Essays and Paragraphs	05-Jul-2021	Completed	05-Jul-2021		
Recommendations	16-Jun-2021	Completed	16-Jun-2021		

Unit V Phonetics					
SUB TOPICS	**PLANNED DATES**	**CURRENT STATUS**	**DATE OF LAST UPDATE**	**REMARKS**	**LAST STATUS UPDATED BY**
Production and classification of speech sound	05-Jul-2021	Completed	05-Jul-2021		
International Phonetic Alphabet and transcriptions	05-Jul-2021	Completed	05-Jul-2021		
Phonological rules					
way and Place of articulation					
Vowels, consonants and diphthongs	05-Jul-2021	Completed	05-Jul-2021		
Specific characteristics feature of vowel sounds	05-Jul-2021	Completed	05-Jul-2021		
Articulation with pronunciation practice					
Slow Reading practice with proper Pitch (Tone,accent,& Intonation)	05-Jul-2021	Completed	05-Jul-2021		

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

Department of Information Technology
<u>Worksheet</u>

Course Code: 20MA103	Course Name: Mathematics-I for Computing Sciences	
Sem/Year: I / I	Lecture Hour: 50 mins	Date:
Unit / Session Title: Unit 1- Matrices / Eigen values		
Course Objective:	Understand the concept of matrix algebra techniques those are needed by engineers for practical applications	
Specific Objective	Understand the concept of eigen values	
Outcome:	Apply techniques to calculate the eigen values	
Teaching Aid:	Black board	
Notes:	1) Statement / Theorem / Concept 2)Block Diagram/Circuit Diagram/Flowchart/Algorithm 3)Construction/Explanation/Derivation / Advantages/Disadvantages/Application **4)Exercise → Equation / Answer**	
Possible Questions:	**16 Marks / 8 Marks / 4 Marks / 2 Marks / 1 Mark** 1) 16 Mark 2) **8 Marks** 3) 2 Marks 4) 1 Mark – Objective Type	
Evaluation Method:	✓ **Question – answer** ✓ Quiz / MCQ's ✓ Slip Test ✓ Reading ✓ Seminar ✓ Assignment ✓ Open Book Test	

✦ **Each concept must be introduced through industrial application**

Text book followed : Veerarajan.T, "Engineering Mathematics for Semester I and II", Tata McGraw Hill Publishers, 3rd Edition, 2014.

Reference book followed : Kandasamy P., Thilagavathy K., and Gunavathy K., "Engineering Mathematics", S. Chand & Co.Publishers, 3rd Edition, 2019.

Website referred : nptel.ac.in/courses/111/105/111105121

Faculty Incharge   **HoD**   **Director-Academic**

Excel Engineering College (AUTONOMOUS)

Subject Wise Feedback Report

Under Graduate | B.Tech-IT | 2020-21 | Information Technology | SEM-1 | A

S.No.	Section	20CS101	20PH101	20CS102	20ENE01	20MA103
1	A	4.6	4.6	4.8	4.8	4.6
2	A	4.6	3.8	3.7	5.0	4.5
3	A	5.0	5.0	5.0	5.0	5.0
4	A	4.8	4.9	4.8	4.4	4.8
5	A	3.8	3.0	3.9	4.1	2.9
6	A	4.1	4.6	4.2	4.1	4.2
7	A	4.6	4.4	2.2	3.7	2.3
8	A	4.3	4.3	3.8	4.3	4.3
9	A	3.6	3.8	3.8	4.1	4.1
10	A	3.3	2.9	3.0	2.6	2.4
11	A	2.5	3.2	2.6	2.3	3.4
12	A	4.6	4.5	4.5	4.5	4.5
13	A	2.6	3.1	3.0	4.0	3.2
14	A	5.0	4.9	4.9	4.6	4.8
15	A	2.7	2.8	3.6	3.0	3.4
16	A	4.1	3.7	4.7	2.9	3.4
17	A	1.1	1.1	1.3	1.0	1.2
18	A	4.2	4.4	4.5	4.2	4.7
19	A	4.1	4.1	4.1	4.2	3.7

Excel Engineering College (AUTONOMOUS)

Subject Wise Feedback Report

Under Graduate | B.Tech-IT | 2020-21 | Information Technology | SEM-1 | A

S.No.	Section	20CS101	20PH101	20CS102	20ENE01	20MA103
20	A	-	3.4	-	-	-
21	A	-	4.0	-	-	-
	Total	73.6	80.5	72.4	72.8	71.4
	Average	3.9	3.8	3.8	3.8	3.8
	Percentage	78.0%	76.0%	76.0%	76.0%	76.0%
	Staff name	Naveen N	Prabhu N	Annal Sheeba Rani E	Gayathri K	Sudha P
	SIGNATURE					

List of Subjects

|	
20CS101	Computer hardware and Networking
20PH101	Physics for computer science
20CS102	Problem Solving using python
20ENE01	Communicative English
20MA103	Mathematics -1 for computer science

HoD   DEAN   Principal

EXCEL ENGINEERING COLLEGE
DEPARTMENT OF SCIENCE AND HUMANITIES
List of Faculty members using ICT for Teaching(2020-2021)

NAAC
NAAC Accredited Institution

S.No	Name	Designation	Specialization	Name of the Subject	ICT TOOLS USED
1	DR. MAHALAKSHMI K	BSc ,MSc ,M Phil ,PhD	Chemistry	Chemistry for Mechanical Sciences	NPTEL Video in Seminar Hall
2	DR. PALANISWAMY M	BSc ,MSc ,M Phil ,PhD	Chemistry	Chemistry for Mechanical Sciences	NPTEL Video in Seminar Hall
3	DR. KAMALAM R	BSc ,MSc ,M Phil ,PhD	Chemistry	Chemistry for Mechanical Sciences	Youtube Video in Smart class room
4	DR. VENKATACHALAM N	BSc ,MSc ,M Phil ,PhD	Chemistry	Chemistry for Bio Sciences	Video Presentation in Kandasamy Hall
5	MRS. PADMAPRIYA	BSc ,MSc ,M.Phil ,	Chemistry	Chemistry for Bio Sciences	NPTEL Video in Seminar Hall
6	MRS. KAVITHA J	BSc ,MSc(BIO CHEM) ,M Phil ,	Bio-Chemistry	Chemistry for Mechanical Sciences	Youtube Video in Smart class room
7	MR. CHILAMBARASAN.T	BSc ,MSc ,M.Phil ,	Chemistry	Chemistry for Mechanical Sciences	NPTEL Video in Seminar Hall
8	MR. KARTHIKEYAN.R	BSc ,MSc ,	Chemistry	Chemistry for Building Sciences	Youtube Video in Smart class room
9	MR. MAHALINGAM.C	BSc ,MSc ,M Phil ,	Chemistry	Chemistry for Building Sciences	Video Presentation in Kandasamy Hall
10	MS. SUGAPRIYA G	BSc ,MSc ,M Phil ,	Chemistry	Chemistry for Chemical Sciences	NPTEL Video in Seminar Hall
11	DR. PRABHU N	BSc ,MSc ,M Phil ,PhD	Physics	Physics for computing sciences	NPTEL Video in Seminar Hall
12	DR. GANESH.G	BSc ,MSc ,M Phil ,PhD	Physics	Physics for computing sciences	Youtube Video in Smart class room
13	DR. SRIDHARAN	BSc ,MSc ,PhD	Physics	Physics for computing sciences	Video Presentation in Kandasamy Hall
14	MR. SURESH KUMAR.C.P	BSc ,M Tech ,MSc ,	Physics	Physics for computing sciences	Youtube Video in Smart class room
15	MRS. LEELAVATHI	BSc ,MSc ,M.Phil ,	Physics	Physics for computing sciences	NPTEL Video in Seminar Hall
16	MRS. DHANAM R	BSc ,MSc ,M.Phil ,	Physics	Physics for Electrical sciences	Youtube Video in Smart class room
17	MR. RAMKUMAR.C	BSc ,MSc ,M Tech ,PhD	Physics	Physics for Electrical sciences	Video Presentation in Kandasamy Hall
18	MR. RAJKUMAR.M	BSc ,MSc ,M.Phil ,	Physics	Physics for Electrical sciences	NPTEL Video in Seminar Hall
19	DR. KANNAN.S	BSc ,MSc ,M Phil ,PhD	Physics	Physics for Electrical sciences	Youtube Video in Smart class room
20	MS. PRANYA K	BSc ,MSc ,	Physics	Physics for Electrical sciences	Video Presentation in Kandasamy Hall
21	DR. SAKTHIVEL.K	BSc ,MSc ,M.Phil ,PhD	Mathematics	Mathematics for computing sciences	NPTEL Video in Seminar Hall
22	MR.MOHANASUNDRAM.V	BSc ,MSc ,M.Phil ,	Mathematics	Mathematics for computing sciences	Youtube Video in Smart class room
23	MRS. SUDHA.P	BSc ,MSc ,M Phil ,	Mathematics	Mathematics for computing sciences	Video Presentation in Kandasamy Hall
24	MRS. SUSEELA.P	BSc ,MSc ,M.Phil ,	Mathematics	Mathematics for computing sciences	Youtube Video in Smart class room
25	MS. SELLEESHWARI.G	BSc ,BEd ,MSc ,M.Phil ,	Mathematics	Mathematics for computing sciences	Video Presentation in Kandasamy Hall

S.No	Name	Designation	Specialization	Name of the Subject	ICT TOOLS USED
26	MRS. LALITHA.O.R	BSc ,MSc ,M.Phil ,	Mathematics	Mathematics for Electrical sciences	NPTEL Video in Seminar Hall
27	MS. KOKILAVANI.P	BSc ,MSc ,M.Phil ,	Mathematics	Mathematics for Electrical sciences	Youtube Video in Smart class room
28	MRS. ARULPRABHA V	BSc ,MSc ,M.Phil ,	Mathematics	Mathematics for Electrical sciences	Video Presentation in Kandasamy Hall
29	MRS. KALAIYARASI V	BSc ,MSc ,M.Phil ,	Mathematics	Mathematics for Electrical sciences	NPTEL Video in Seminar Hall
30	MRS. KAVITHA S	BSc ,MSc ,M.Phil ,	Mathematics	Mathematics for Mechanical Science	Youtube Video in Smart class room
31	MRS. SUGANTHI.C	BSc ,MSc ,M.Phil ,	Mathematics	Mathematics for Mechanical Science	Video Presentation in Kandasamy Hall
32	MR. MURUGESAN M	BSc ,MSc ,M.Phil ,	Mathematics	Mathematics for Bio Sciences	NPTEL Video in Seminar Hall
33	MS. PAVITHRA M	BSc ,MSc ,M.Phil ,	Mathematics	Mathematics for Building Sciences	Youtube Video in Smart class room
34	MRS. POOVIZHI P	BSc ,MSc ,M.Phil ,	Mathematics	Mathematics for Chemical Sciences	Video Presentation in Kandasamy Hall
35	DR. THOMAS MATHEW	B.A.,M.A ,M.PHIL.,PhD	English	Communicative English	NPTEL Video in Seminar Hall
36	DR. ANNABAGYAM M	B.A.,M.A.,M.PHIL.,PhD	English	Communicative English	Youtube Video in Smart class room
37	MS. SANGAVI K	B.A.,M.A ,M.PHIL.,	English	Communicative English	NPTEL Video in Seminar Hall
38	MRS. THILAGAVATHI.T J	B.A.,M.A.,M.PHIL.,	English	Communicative English	Youtube Video in Smart class room
39	DR. RAMMANOHAR.M.G	B.A.,M.A,PhD	English	Communicative English	Video Presentation in Kandasamy Hall
40	MRS. UTHAYA PRIYA.K	B.Sc(CHEM) ,M.A ,	English	Communicative English	Youtube Video in Smart class room
41	MRS. PRIYA	B.A.,M.A ,M.PHIL.,	English	Communicative English	NPTEL Video in Seminar Hall
42	MRS. GAYATHRI.K	B.A.,M.A ,M.PHIL.,	English	Communicative English	Youtube Video in Smart class room
43	MR. KANNADASS R	B.A.,M.A ,M.PHIL ,	English	Communicative English	Video Presentation in Kandasamy Hall
44	MR. BHARATHI V	B.A.,M.A ,M.PHIL ,B.Ed ,	English	Communicative English	Youtube Video in Smart class room
45	MR. GURUBATHAM.D	B.A.,M.A.,M.PHIL ,M.Ed ,	English	Communicative English	NPTEL Video in Seminar Hall

HEAD OF THE DEPARTMENT
Department of S & H,
Excel Engineering College,
Komarapalayam - 638 183
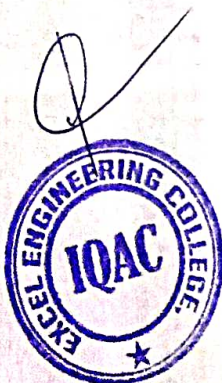
EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

Department of Safety and Fire Engineering

ICT Tools

R. Bulaty
HoD / SF

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A*" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

Department of Safety and Fire Engineering

ICT Tools

Smart Classroom

YouTube and other internet sources
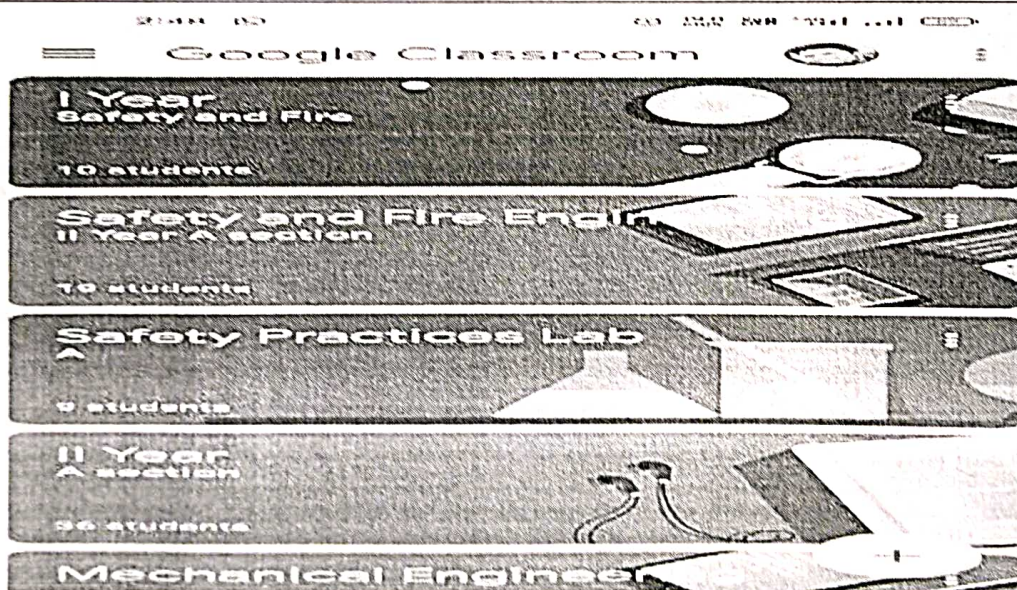
Google Classroom

EXCEL ENGINEERING COLLEGE
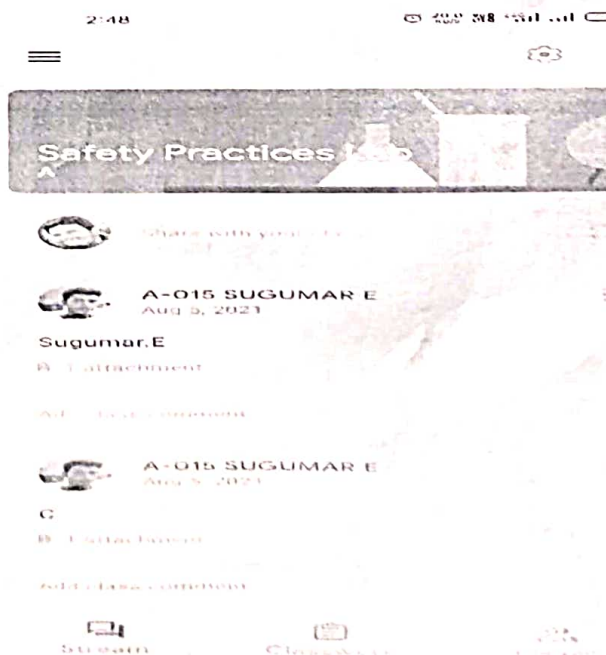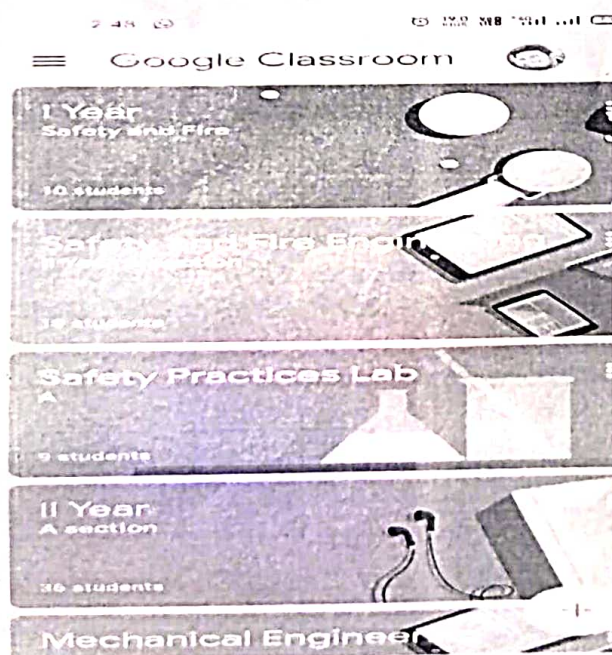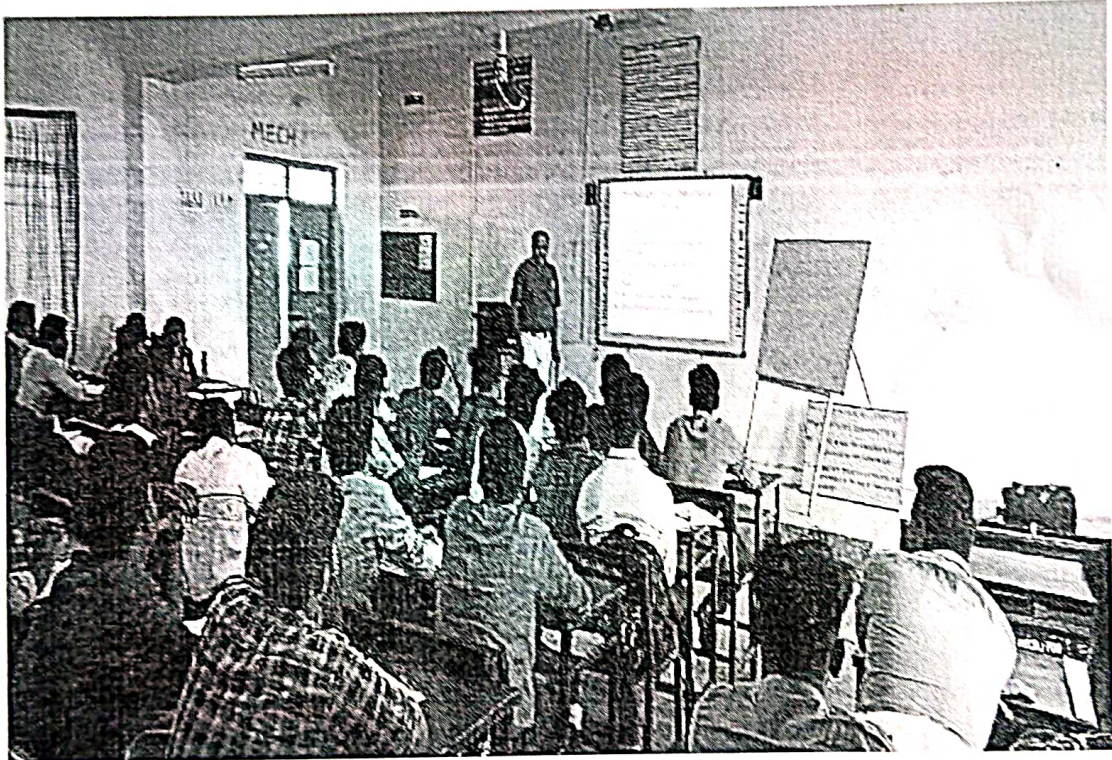## (Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

Technical Quiz

Technical MCQ Questions for Safety and Fire on 04.12.2020

Name of the Student

Roll. No *

Year / Sem *

Google Forms – Online Competition (Technical Quiz)

K. Bupathy
HoD / SF

Excel Engineering College (AUTONOMOUS)

Teaching Plan Status Summary

2020-21 | Under Graduate | Science & Humanities | SEM 1 | D

Staff name   : Prithiviraj N
Subject Code : 20SF102
Subject Name: Fire Engineering Fundamentals

5.Passive Fire Protection System					
SUB TOPICS	PLANNED DATES	CURRENT STATUS	DATE OF LAST UPDATE	REMARKS	LAST STATUS UPDATED BY
Passive FPS	25-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Fire Resistance: Basic Concepts(philosophy)	26-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Materials used & their Fire Resistance ratings	29-Dec-2020	Completed	29-Mar-2022	Completed	Prithiviraj N
Fire Resistance tests; Fire Proofing	08-Dec-2020	Completed	29-Mar-2022	Completed	Prithiviraj N
Introduction, materials used in coatings	01-Dec-2020	Completed	29-Mar-2022	Completed	Prithiviraj N
paintings, concrete as a fire proofing material	27-Nov-2020	Completed	29-Mar-2022	Completed	Prithiviraj N
Exit & Egress Arrangements: Basic definitions- Exit, Means of Egress system	12-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Exit door, Refuge area, Safe area	18-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
other related as per NFPA codes & NBC	26-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N

4.Active Fire Protection System					
SUB TOPICS	PLANNED DATES	CURRENT STATUS	DATE OF LAST UPDATE	REMARKS	LAST STATUS UPDATED BY
Classification of fire protection systems-Active & Passive	11-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Active FPS- Definitions	12-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
classifications- Water Based (Vs) Non water based & Fixed (Vs) Portable/Mobile	15-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Types:- Fire Extinguishers, Fire hydrants, Sprinklers, standpipe systems	16-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Fire detectors, water spray systems	18-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
definitions, types, operation	19-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
applications & limitations, selection	22-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
installation & maintenance as per relevant national	08-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
international standards(IS, OISD, NFPA etc)	23-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N

3.Fire Suppression					
SUB TOPICS	**PLANNED DATES**	**CURRENT STATUS**	**DATE OF LAST UPDATE**	**REMARKS**	**LAST STATUS UPDATED BY**
Introduction & Definitions	19-Jan-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Water as an extinguishing agent	21-Jan-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Basic Components of a Fire Protection system	22-Jan-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Fire water supply systems	04-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Types, Design philosophy acc.to OISD	05-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Foam, DCP	08-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
other gaseous extinguishing agents	09-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N

2.Development of Fire					
SUB TOPICS	**PLANNED DATES**	**CURRENT STATUS**	**DATE OF LAST UPDATE**	**REMARKS**	**LAST STATUS UPDATED BY**
incipient, smoldering, flame and heat stages	02-Feb-2021	Completed	24-Jan-2021		
Products of combustion- flame, heat, smoke, fire gases	04-Jan-2021	Completed	24-Jan-2021	Completed	Prithiviraj N
constituents of smoke, quantity and rate of production of smoke	01-Feb-2021	Completed	24-Jan-2021		
quality of smoke, smoke density, visibility in smoke	07-Jan-2021	Completed	24-Jan-2021	Completed	Prithiviraj N
Toxicity of smoke	08-Jan-2021	Completed	24-Jan-2021	Completed	Prithiviraj N
effect of harmful agents preventing escape and causing injury or death	11-Jan-2021	Completed	24-Jan-2021	Completed	Prithiviraj N
CO, CO2, HCN, SO2, NH3, Nitrogen oxide	12-Jan-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Effect of heat exposure to human body, body burns	18-Jan-2021	Completed	29-Mar-2022	Completed	Prithiviraj N

1.Introduction					
SUB TOPICS	**PLANNED DATES**	**CURRENT STATUS**	**DATE OF LAST UPDATE**	**REMARKS**	**LAST STATUS UPDATED BY**
Define Fire & Classifications of fires	24-Nov-2020	Completed	24-Jan-2021	Completed	Prithiviraj N
temperature, heat, specific heat, Fire Causation theories	27-Nov-2020	Completed	24-Jan-2021	Completed	Prithiviraj N
Theory of Fire extinguishment,	01-Dec-2020	Completed	24-Jan-2021	Completed	Prithiviraj N
Governing equations for calculation of heat flux of a fire Combustion Science of Solids, Liquids & Gases: flash point, fire point, ignition, combustion; Ignition- pilot ignition, spontaneous ignition, ignition sources	04-Dec-2020	Completed	24-Jan-2021	Completed	Prithiviraj N
Types of combustion-rapid, spontaneous, explosion;	08-Dec-2020	Completed	24-Jan-2021	Completed	Prithiviraj N
Diffusion flames-zones of combustion, smoldering combustion	11-Dec-2020	Completed	24-Jan-2021	Completed	Prithiviraj N
characteristics of diffusion flame; Premixed flames	15-Dec-2020	Completed	24-Jan-2021	Completed	Prithiviraj N
burning velocity, limits of flammability	18-Dec-2020	Completed	24-Jan-2021	Completed	Prithiviraj N
characteristics of premixed flame.	22-Dec-2020	Completed	24-Jan-2021	Completed	Prithiviraj N

Staff name   : Prithiviraj N
Subject Code : 20SF102
Subject Name: Fire Engineering Fundamentals

5.Passive Fire Protection System					
SUB TOPICS	**PLANNED DATES**	**CURRENT STATUS**	**DATE OF LAST UPDATE**	**REMARKS**	**LAST STATUS UPDATED BY**
Passive FPS	25-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Fire Resistance: Basic Concepts(philosophy)	26-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Materials used & their Fire Resistance ratings	29-Dec-2020	Completed	29-Mar-2022	Completed	Prithiviraj N
Fire Resistance tests; Fire Proofing	08-Dec-2020	Completed	29-Mar-2022	Completed	Prithiviraj N
Introduction, materials used in coatings	01-Dec-2020	Completed	29-Mar-2022	Completed	Prithiviraj N
paintings, concrete as a fire proofing material	27-Nov-2020	Completed	29-Mar-2022	Completed	Prithiviraj N
Exit & Egress Arrangements: Basic definitions- Exit, Means of Egress system	12-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Exit door, Refuge area, Safe area	18-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
other related as per NFPA codes & NBC	26-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N

4.Active Fire Protection System					
SUB TOPICS	PLANNED DATES	CURRENT STATUS	DATE OF LAST UPDATE	REMARKS	LAST STATUS UPDATED BY
Classification of fire protection systems-Active & Passive	11-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Active FPS- Definitions	12-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
classifications- Water Based (Vs) Non water based & Fixed (Vs) Portable/Mobile	15-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Types:- Fire Extinguishers, Fire hydrants, Sprinklers, standpipe systems	16-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Fire detectors, water spray systems	18-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
definitions, types, operation	19-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
applications & limitations, selection	22-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
installation & maintenance as per relevant national	08-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
international standards(IS, OISD, NFPA etc)	23-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N

3.Fire Suppression					
SUB TOPICS	PLANNED DATES	CURRENT STATUS	DATE OF LAST UPDATE	REMARKS	LAST STATUS UPDATED BY
Introduction & Definitions	19-Jan-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Water as an extinguishing agent	21-Jan-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Basic Components of a Fire Protection system	22-Jan-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Fire water supply systems	04-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Types, Design philosophy acc.to OISD	05-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Foam, DCP	08-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
other gaseous extinguishing agents	09-Feb-2021	Completed	29-Mar-2022	Completed	Prithiviraj N

2.Development of Fire					
SUB TOPICS	**PLANNED DATES**	**CURRENT STATUS**	**DATE OF LAST UPDATE**	**REMARKS**	**LAST STATUS UPDATED BY**
incipient, smoldering, flame and heat stages	02-Feb-2021	Completed	24-Jan-2021		
Products of combustion-flame, heat, smoke, fire gases	04-Jan-2021	Completed	24-Jan-2021	Completed	Prithiviraj N
constituents of smoke, quantity and rate of production of smoke	01-Feb-2021	Completed	24-Jan-2021		
quality of smoke, smoke density, visibility in smoke	07-Jan-2021	Completed	24-Jan-2021	Completed	Prithiviraj N
Toxicity of smoke	08-Jan-2021	Completed	24-Jan-2021	Completed	Prithiviraj N
effect of harmful agents preventing escape and causing injury or death	11-Jan-2021	Completed	24-Jan-2021	Completed	Prithiviraj N
CO, CO2, HCN, SO2, NH3, Nitrogen oxide	12-Jan-2021	Completed	29-Mar-2022	Completed	Prithiviraj N
Effect of heat exposure to human body, body burns	18-Jan-2021	Completed	29-Mar-2022	Completed	Prithiviraj N

1.Introduction					
SUB TOPICS	**PLANNED DATES**	**CURRENT STATUS**	**DATE OF LAST UPDATE**	**REMARKS**	**LAST STATUS UPDATED BY**
Define Fire & Classifications of fires	24-Nov-2020	Completed	24-Jan-2021	Completed	Prithiviraj N
temperature, heat, specific heat, Fire Causation theories	27-Nov-2020	Completed	24-Jan-2021	Completed	Prithiviraj N
Theory of Fire extinguishment,	01-Dec-2020	Completed	24-Jan-2021	Completed	Prithiviraj N
Governing equations for calculation of heat flux of a fire Combustion Science of Solids, Liquids & Gases: flash point, fire point, ignition, combustion; Ignition- pilot ignition, spontaneous ignition, ignition sources	04-Dec-2020	Completed	24-Jan-2021	Completed	Prithiviraj N
Types of combustion-rapid, spontaneous, explosion;	08-Dec-2020	Completed	24-Jan-2021	Completed	Prithiviraj N
Diffusion flames-zones of combustion, smoldering combustion	11-Dec-2020	Completed	24-Jan-2021	Completed	Prithiviraj N
characteristics of diffusion flame; Premixed flames	15-Dec-2020	Completed	24-Jan-2021	Completed	Prithiviraj N
burning velocity, limits of flammability	18-Dec-2020	Completed	24-Jan-2021	Completed	Prithiviraj N
characteristics of premixed flame.	22-Dec-2020	Completed	24-Jan-2021	Completed	Prithiviraj N

EXCEL ENGINEERING COLLEGE

(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A+" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

Department of Safety and Fire Engineering
Worksheet

Course Code: 20SF401	Course Name: Basic Concepts of Fire Engineering	
Sem/Year: I / I	Lecture Hour: 12	Date: 08.01.2021
Unit / Session Title: Unit 1 – Fire Extinguisher		
Course Objective:	Discuss the various types fire extinguishers	
Specific Objectives	Know the fire extinguisher types.	
Outcome:	Classify the types of Fire extinguishers.	
Teaching Aid:	Black board/~~PPT/Video/Demo Model/Lab/Out Bound~~	
Notes:	1) Statement / Theorem / Concept 2)~~Block Diagram/Circuit Diagram/Flowchart/Algorithm~~ 3)~~Construction~~/Explanation/Derivation ~~/ Advantages/Disadvantages/Application~~ 4)~~Exercise → Equation / Answer~~	
Possible Questions:	**16 Marks / 8 Marks / 4 Marks / 2 Marks / 1 Mark** 1) ~~16 Mark~~ 2) 8 Marks 3) 2 Marks 4) ~~1 Mark – Objective Type~~	
Evaluation Method:	✓ Question – answer ✓ Quiz / MCQ's ✓ Slip Test ✓ Reading ✓ ~~Seminar~~ ✓ ~~Assignment~~ ✓ ~~Open Book Test~~	

✦ **Each concept must be introduced through industrial application**

Text book followed	:	**Daniel J. Limmer, Fire Service First Responde EMT-P, Michael Grill, Edition, 2005.**
Reference book followed	:	**Engineering Chemistry By Jain And Jain 16th Edition. Author : Jain And Jain. Edition : Sixteenth- (16th) Publication : Dhanpatrai Publications.**
Website referred	:	**https://www.britannica.com/science/International-fireextinguishers**

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

Types of Fire extinguishers

There are 5 main fire extinguisher types – Water, Foam, Dry Powder, CO2 and Wet Chemical.

You should have the right extinguishers for your premises, or you may not meet current regulations.

Along with ensuring you have the right types of fire extinguisher, you will also need to make sure that you select the right sizes and weights. Read more about the current UK extinguisher regulations.

The various types of fire extinguisher put out fires started with different types of fuel – these are called 'classes' of fire. The fire risk from the different classes of fire in your business premises will determine which fire extinguisher types you need.

Whilst there are 5 main types of fire extinguisher, there are different versions of both the Water and Dry Powder extinguishers, meaning there are a total of 8 fire extinguisher types to choose from. The 8 types of fire extinguisher are: –

– Water
– Water Mist
– Water Spray
– Foam
– Dry Powder – Standard
– Dry Powder – Specialist
– Carbon Dioxide ('CO2')
– Wet Chemical

There is no one extinguisher type which works on all classes of fire.

Below is a summary of the classes of fire, and a quick reference chart showing which types of extinguisher should be used on each. We then provide a detailed explanation of each type of fire extinguisher belo

Classes of fire

There are six classes of fire: Class A, Class B, Class C, Class D, 'Electrical', and Class F. –
– Class A fires – combustible materials: caused by flammable solids, such as wood, paper, and fabric
– Class B fires – flammable liquids: such as petrol, turpentine or paint
– Class C fires – flammable gases: like hydrogen, butane or methane
– Class D fires – combustible metals: chemicals such as magnesium, aluminium or potassium
– Electrical fires – electrical equipment: once the electrical item is removed, the fire changes class
– Class F fires – cooking oils: typically a chip-pan fire

EXCEL ENGINEERING COLLEGE
(Autonomous)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)
KOMARAPALAYAM - 637303

Which extinguisher is used for each class of fire? – quick guide

Type (Fire / Extinguisher)	CLASS A — Combustible materials (e.g. paper & wood)	CLASS B — Flammable liquids (e.g. paint & petrol)	CLASS C — Flammable gases (e.g. butane and methane)	CLASS D — Flammable metals (e.g. lithium & potassium)	Electrical — Electrical equipment (e.g. computers & generators)	CLASS F — Deep fat fryers (e.g. chip pans)	Comments
Water	✓	✗	✗	✗	✗	✗	Do not use on liquid or electric fires
Foam	✓	✓	✗	✗	✗	✗	Not suited to domestic use
Dry Powder	✓	✓	✓	✓	✓	✗	Can be used safely up to 1000 volts
CO2	✗	✓	✗	✗	✓	✗	Safe on both high and low voltage
Wet Chemical	✓	✗	✗	✗	✗	✓	Use on extremely high temperatures

Different types of fire extinguisher – a detailed guide
Water Extinguishers
Water fire extinguisher - a type of extinguisher
Overview:
Water fire extinguishers are the most common extinguisher type for class A fire risk. Most premises will require either water or foam extinguishers.

Label Colour:
– Bright Red

Use for:
– Organic materials such as:
o Paper and cardboard
o Fabrics and textiles
o Wood and coal

Do not use for:
– Fires involving electrical equipment
– Kitchen fires
– Flammable gas and liquids

Types of premises/business who may need water extinguishers:

EXCEL ENGINEERING COLLEGE

(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

Accredited by NBA, NAAC with "A⁺" and Recognised by UGC (2f &12B)

KOMARAPALAYAM - 637303

– Buildings constructed of wood or other organic materials

– Premises where there are organic materials to be found such as:

o Offices

o Schools

o Hospitals

o Residential properties

o Warehouses

Possible Questions

Part – A

1. What is meant by fire extinguisher?
2. List out the types of Fire extinguisher.

Part – B

1. Explain the various types of fire extinguishers with their classification of fire.

DIGITAL LIBRARY