1.2.2. Number of Add on/Certificate programs during the year:

The certificates courses are conducted by each department for every year with approval of BOG. The following are the certificate courses were conducted during year of 2020-21. A sample certificate documents are given in the following.

2020-21
17

S.No	Description	Page No
1	Supporting documents	1

PRINCIPAL
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Aditya College of Engineering
SURAMPALEM - 533 437

Certification Course

Certificate/Add-on courses are being conducted every year in the department of Electronics & Communication Engineering to fill the gap in the curriculum. Eminent people from academics and industry will be invited to frame the curriculum include the syllabus, contact hours etc. The following documents are maintained for each Certificate Course.

S.No	Documents
1	Submission of Feedback Report from Coordinator to HOD
2	Submission of Feedback analysis report from HOD to Principal through IQAC
3	Request letter seeking permission to conduct a certification course(s) based of feedback from Coordinator-IQAC to Principal so as forward the same to the governing body for necessary approval and acquiring the approval from Vice Chairman with required budget if any.
4	Principal forming Expert Committee.
5	Invitation from Principal to Expert.
6	Mail conversation between Expert and Principal if any
7	Convening a meeting of members of Expert Committee and finalizing curriculum for Certificate Course.
8	Plan a Certificate Course and informing principal to accord permission to conduct.
9	Resource person request & Acceptance
10	Preparing Brochure and Scheduling the event
11	Circular to the students and asking them to register
12	Conduct the certificate course for the registered participants and noting the attendance.
13	Collect Feedback from participants
14	Question paper with answers
15	Response sheet form sample
16	Thanks letter to guest
17	Certificate

HOD ECE

Head of the Department
Electronics & Communications Engineering
Aditya College of Engineering
SURAMPALEM-533 437

Standard Operating Procedure (SOP)

1. Feedback Coordinator takes the Feedback from Stakeholders and prepares "**Feedback Analysis Report**" which is submitted to Head of the Department.

2. Head of the Department writes a letter to Principal and IQAC Coordinator regarding Feedback Analysis Report which is given by Feedback Coordinator.

3. Coordinator-IQAC writes a letter to Principal regarding Certificate course to be conducted based on Analysis Report.

4. The Principal asks permission to conduct certificate course in BOG meeting. Then the Vice-Chairman Sir writes a letter to Principal regarding the approval of certificate course.

5. The Principal constitutes a committee and invites experts for framing the curriculum. The committee decides Syllabus, brochure, Contact hours and Expected outcomes to the certificate courses.

6. The resource persons are invited for the smooth conduction of the certificate course. Then the brochure or notice is circulated to the students to participate in the certificate course.

7. The certificate course is started with the schedule.

8. At the end of the course, the test is conducted for the participants in the certificate course and the result is also announced.

9. Finally the certificates are distributed for the participants and the resource persons are honored.

10. Course is offered only if minimum 25 no. of students come forward for registration.

HOD ECE

Head of the Department
Electronics & Communications Engineering
Aditya College of Engineering
SURAMPALEM-533 437

ADITYA COLLEGE OF ENGINEERING

Approved by AICTE, Permanently Affiliated to JNTUK & Accredited by NAAC
Recognized by UGC under Sections 2(f) and 12(B) of UGC Act, 1956
Aditya Nagar, ADB Road, Surampalem - 533 437, E.G.Dist., Ph: 99631 76662.

Ref. No: ACOE/CC/4/2020-21.

Date: 03-12-2020

Constitution of Expert Committee for Certificate Course on "RF & MEMS using CAD tools"

Sub: - Constitution of Expert committee for new course, "RF & MEMS using CAD tools" -Reg.

Ref: - Approval letter from Vice Chairman

With reference to the Approval letter from Vice Chairman, the following Expert committee is constituted to frame the curriculum, syllabus and contact hours to conduct a new course called, "RF & MEMS using CAD tools" and the committee members are as follows:

S. No.	Name of the Subject Expert	Designation	Affiliation
1	Dr. G. Rama Krishna	Professor & Head-ECE	Aditya College of Engineering, Surampalem
2	Dr. G. Jaffino	Professor-ECE	Aditya College of Engineering, Surampalem
3	Dr. A.M. Prasad	Professor-ECE	JNTUK, Kakinada.

The members of the above committee are requested to prepare the curriculum, syllabus, brochure, contact hours and expected outcomes and submit the same on or before 07.12.2020.

Thanking you,

PRINCIPAL

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Aditya College of Engineering
SURAMPALEM - 533 437

Copy to: All individuals

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Ref. No: ACOE/CC/5/2020-21. Date: 03.12.2020

From:

The Principal,

Aditya College of Engineering.

To,

Dr. A.M. Prasad

Professor of ECE,

JNTU Kakinada,

Kakinada.

Respected Sir,

Sub: - Constitution of Expert committee for new course, "RF & MEMS using CAD tools"- Request to be the member of the committee-Reg.

Ref: - Approval letter from Vice Chairman

--

With reference to the Approval letter from Vice Chairman, you are requested to be the member of the expert committee to frame the curriculum, syllabus, brochure, contact hours and expected outcomes for a new certificate course titled, "RF & MEMS using CAD tools". I request you to accord the permission and share your knowledge and expertise in educating the young engineering aspirants.

Further, contact classes are scheduled to begin from 14th Dec 2020 and therefore you are requested to attend a online meeting to discuss the subject matter on or before 11th Dec 2020.

Thanking you,

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SURAMPALEM - 533 437

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Surampalem,
07-12-2020.

To,
Mr.BABJI NEELAM,
CEO T-HUB.

Sir,

Sub: Electronics & Communication Engineering Request for arranging Resource persons for Certificate Course on "RF & MEMS using CAD tools"-Reg.

As we are planning a Certification Course, I sincerely request you to arrange resource persons for the Certification Course "RF & MEMS using CAD tools" which is to be scheduled from 14th to 19th Dec 2020, which enables our students to enhance their levels of knowledge & will be benefited a lot. Hence I request you to kindly give your acceptance at the earliest possible which would help us to make necessary arrangements.

Thanking you Sir,

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Aditya College of Engineering
SURAMPALEM - 533 437

Gmail

Acceptance from Resource Persons for Certification

AMprasad <a_malli65@gmail.com>

Date: 05.12.2020

From:
Dr. A.M. Prasad
Assoc. Professor of ECE,
JNTU Kakinada,
Kakinada.

To
The Principal,
Aditya College of Engineering

Respected Sir,

Sub: - Constitution of Expert committee for new course, "RF & MEMS using CAD tools "- Request to be the member of the committee-Reg.
Ref: - Approval letter from Vice Chairman

With reference to your letter dated 03.12.2020, I am happy to be part of the committee to prepare all modalities for the new course RF & MEMS using CAD tools. I will attend the Microsoft teams online meeting on 08th Dec 2020 to discuss about the requirements to start new course. You are requested to provide the link.

Thanks for giving me the opportunity.

Thanking you,

With regards,

Dr. A.M. Prasad
Assoc. Professor of ECE,
JNTU Kakinada,
Kakinada.

Please check the Attachment.

TECHNICAL HUB

Surampalem,
09/12/2020.

To
The Principal,
Aditya College of Engineering,
Surampalem.

Sub: Certification Course on RF & MEMS using CAD tools to your students regarding your letter dated on 07/12/2020 has Accepted-Reg.

Respected Sir,

With Reference to your Letter, we are deputing the following Person acting as Resource person for Certification Course on RF & MEMS using CAD tools.

Mr. Jonadhan Peters will be a Resource Person for RF & MEMS using CAD tools.

We are convenient with the schedule which is planned by you and you can proceed with the arrangements.

Thanking you,

Yours Faithfully

CEO THUB

ADITYA COLLEGE OF ENGINEERING

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Department of Electronics & Communication Engineering

Date: 07-12-2020.

CIRCULAR

All the B.Tech students are here by informed that our department is going to conduct One week certification course on **"RF & MEMS using CAD tools"** in online mode, interested students can enroll their names on or before 12-12-2020. Classes are scheduled from 14-12-2020 to 19-12-2020.

Online registration link for certificate course

https://docs.google.com/forms/d/e/1FAIpQLScFYA0etd4SU2_QkOplz4Om5uzzU2lwlrVw-2uzofA7Lq-OLA/viewform?usp=sf_link

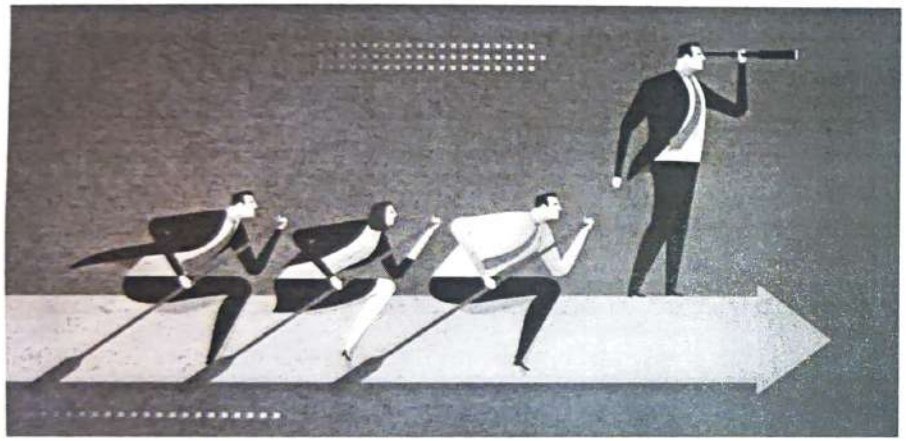
Complete details and course structure will be given in the Brochure.

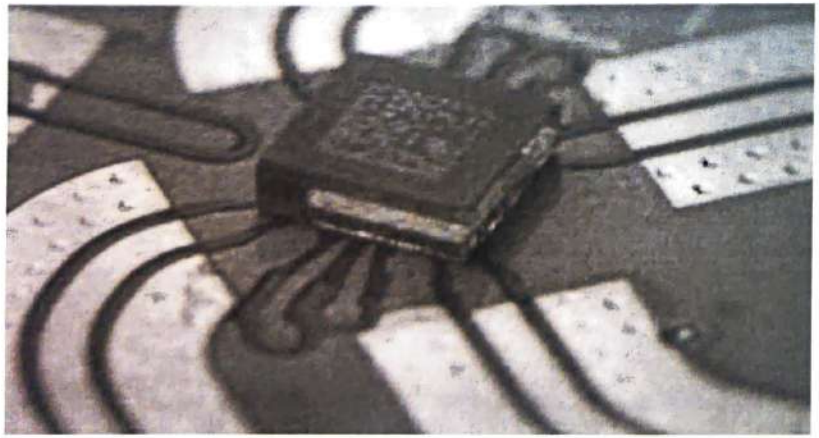
HOD-ECE

Head of the Department
Electronics & Communications Engineering
Aditya College of Engineering
SURAMPALEM-533 437

CERTIFICATION COURSE
BY
ADITYA COLLEGE OF ENGINEERING
COURSE ON RF & MEMS using CAD tools

Approved by AICTE& Affiliated by JNTUK, Kakinada
Recognized by UGC Under Section 2(f) of UGC act 1956
Aditya Nagar, ADB Road, Surampalem - 533437, E.G.Dist., Ph: 99631 76662





ABOUT ADITYA COLLEGE OF ENGINEERING

Aditya College of Engineering was founded as the premier promoter of quality education in coastal districts of Andhra Pradesh in 2008. Sri N. Sesha Reddy, as a founder chairman, promoted the educational institution, with a mission, to offer the best engineering education.

ABOUT DEPARTMENT OF ECE

The Department of Electronics & Communication Engineering is well-equipped with the state-of-art laboratories which encompass the wide area of applied and fundamental aspects of the prescribed curriculum. the department enables training on advanced technologies through Texas Instruments Innovation lab, E-Yantra Robotics Lab, Intel Intelligent Systems Lab etc.

ABOUT THE COURSE

This course focuses on the modelling, design, technology and applications of RF Micro-Electro-Mechanical Systems (MEMS). Students will develop a strong understanding of RF MEMS technology and its applications on the future generation of communication systems, radars. They will be gaining knowledge in the emerging fields of RF & MEMS.

Course Objectives

- Gain knowledge about RF & MEMS technology
- Gain the fundamentals for designing using MEMS.
- Implementing RF &MEMS Subsystems.
- Making integration feasible with microelectronics.
- Application oriented wireless systems designing.
- Knowledge of emerging fields of RF & MEMS.

Who Should Attend

- B.Tech ECE students of Aditya College of Engineering.

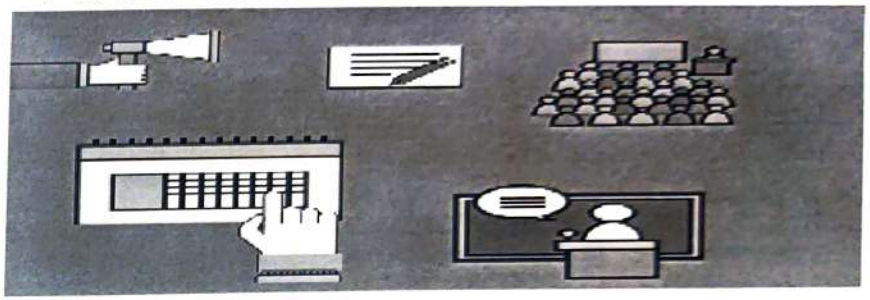
Fees and Duration

- Free of Cost for our Students
- One-Week

Venue – Online Microsoft teams link

https://teams.microsoft.com/l/meetup-join/19%3ae67f4cf7b6d44e6f89e8a6b0ea25f089%40thread.tacv2/1621834351033?context=%7b%22Tid%22%3a%227359f896-71e2-4dae-b8a3-15cdf97f2f10%22%2c%22Oid%22%3a%22f252e96b-f60b-44fd-b2c6-ee389ab5b3df%22%7d>

COURSE OUTLINE AND SCHEDULE



Date	Schedule
14-12-2020	Introduction to MEMS, MEMS designs using IntelliSuite software
15-12-2020	MEMS Process: Micro fabrication Technology
16-12-2020	MEMS based Gyroscope, Simulation, device simulation
17-12-2020	Introductions to Bulk Micromachining, Isotropic Etching Deep Reactive Ion Etching Bosch/ICP
18-12-2020	RF Fundamentals, Basic Concepts Components RF Design Theory and Principles
19-12-2020	System Level Simulation , Device Simulation using SYNPLE & **Online test**

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Certificate Course onRF & MEMS using CAD tools

Syllabus

Introduction to MEMS technology.

Introduction to IntelliSuite Software & designing.

Design of MEMS based Cantilever beam Using Fabrication Process Flow.

Simulation on MEMS based Cantilever beam.

Design of MEMS based capacitive pressure sensor.

Simulation on MEMS Capacitive pressure sensor.

Design of Cross Injector, Device Simulation, Electrophoresis Analysis.

Design of MEMS based Gyroscope, Device Simulation on Gyroscope.

Introductions to Bulk Micromachining, Anisotropic Etching b. Isotropic Etching

Deep Reactive Ion Etching d. Reactive Ion Etching e. Bosch/ICP – Inductive Coupled Plasma Etching.

RF Fundamentals, Basic Concepts Components RAHRF101

Modulation and Digital Communications in RF RAHRF152

RF Design Theory and Principles RAHRF201

System Level Simulation, Device Simulation using SYNPLE

HOD ECE.

Head of the Department
Electronics & Communications Engineering
Aditya College of Engineering
SURAMPALEM-533 437

Certification Course on RF & MEMS using CAD tools (Online)

Conducted by Dept. of ECE |ADITYA COLLEGE OF ENGINEERING from 14-12-2020 to 19-12-2020

* Required

Name of the Student *

Your answer

Roll No. *

Your answer

Year *

Your answer

Section *

Your answer

Name of the College

Your answer

Mobile No.

Your answer

Email Id

Your answer

Undertaking : The information provided is true to the best of my knowledge. I agree to abide by the rules and regulations of the course and shall attend the course for the entire duration. I also undertake the responsibility to inform the coordinator in case, I am unable to attend the course. *

Yes

No

Submit

Clear form

ADITYA COLLEGE OF ENGINEERING

(Affiliated to JNTUK KAKINADA and Approved by AICTE, New Delhi) Aditya Nagar, ADB Road, Surampalem – 533 437

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

"RF & MEMS using CAD tools" participants list

S.NO	ROLL NO	NAME	Signatures					
			14/12/2020	15/12/2020	16/12/2020	17/12/2020	18/12/2020	19/12/2020
1	18MH1A0401	BALUSU CHARISHMA	P	P	P	P	P	P
2	18MH1A0402	BATHULA SWATHI	P	P	P	P	P	P
3	18MH1A0403	BHUSANI GOPAL	P	P	P	P	P	P
4	18MH1A0405	BONAM VENKATA SAI	P	P	P	P	P	P
5	18MH1A0406	BOPPANA HEMA CHANDU	P	P	P	P	P	P
6	18MH1A0408	CHEBOLU J R N S S PRUDHVI R	P	P	P	P	P	P
7	18MH1A04A9	BONTHU RAMYA	P	P	P	P	P	P
8	18MH1A0410	CHOKKA SANTHI SOWJANYA	P	P	P	P	P	P
9	18MH1A0411	CHUNDRU SATWIKA	P	P	P	P	P	P
10	18MH1A0413	DESINA LAVANYA	P	P	P	P	P	P
11	18MH1A0414	GIDUTHURI VIJAY DURGA PRA	P	P	P	P	P	P
12	18MH1A0416	GOPI SIVA KUMAR	P	P	P	P	P	P
13	18MH1A0417	JAMMU NEELIMA	P	P	P	P	P	P
14	18MH1A0419	KAMBALA JHANSI ALEKHYA	P	P	P	P	P	P
15	18MH1A0420	KANCHIPATI SRIKANTH	P	P	P	P	P	P
16	18MH1A0422	KANNURI SATYA VEERATEJA	P	P	P	P	P	P
17	18MH1A0423	KILANI GOWTHAM SAI LOKES	P	P	P	P	P	P
18	18MH1A0425	KONDAPALLI VEERA PRUDHVI	P	P	P	P	P	P
19	18MH1A0426	KOSURI VENKATASURYASAIRA	P	P	P	P	P	P
20	18MH1A0428	KUSUMANCHI SRIKANTH	P	P	P	P	P	P
21	18MH1A0430	MENDA S V S L SRI PADMAJA	P	P	P	P	P	P
22	18MH1A0431	NAKIRAKANTI THANUJA	P	P	A	P	P	P
23	18MH1A0433	NULU LAKSHMANA KUMAR	P	P	P	P	P	P
24	18MH1A0434	PABBINEEDI SATYA GOPALA K	P	P	P	P	P	P
25	18MH1A0436	PADALA NAGA LAKSHMI	P	P	P	A	P	P
26	18MH1A0437	PALAPARTHI RAVI KRISHNA	P	P	P	P	P	P

Head of the Department
Electronics & Communication

27	18MH1A0439	PANDIRI VENKATA RAHUL	P	P	P	P	P	P
28	18MH1A0440	PATAMSETTI LAKSHMI PRIYA	P	P	P	P	P	P
29	18MH1A0442	PENETI PREMSAGAR	P	P	P	P	P	P
30	18MH1A0443	PRATHIPATI ANANTA LAKSHM	P	P	P	P	A	P
31	18MH1A0445	PRODDUTURI NIHAR MANI T	P	P	P	P	P	P
32	18MH1A0447	SIRIKI SANDEEP	P	P	A	P	P	P
33	18MH1A0449	UGGINA KUMAR VENKATA SU	P	P	P	P	P	P
34	18MH1A0450	UGGIRALA NAGMA	P	P	P	P	P	P
35	18MH1A0453	ADAPA MAHESH RAGHAVA	P	P	P	P	P	P
36	18MH1A0457	BOGADA ESWARI MANI	A	P	P	P	A	P
37	18MH1A0461	DESINA RAMYASRI	P	P	P	P	P	P
38	18MH1A0464	GOGI ANUSHA	P	P	P	P	P	P
39	18MH1A0469	KARANAM ANUSHA	P	P	P	P	P	P
40	18MH1A0471	KOLLI CHITTIBABU	P	P	P	P	P	P
41	18MH1A0474	KORU SWETHA	P	P	P	P	P	P
42	18MH1A0481	MULAGADA RENUKA	P	P	P	A	P	P
43	18MH1A0482	MUTYAKA RAMYA	P	P	P	P	P	P
44	18MH1A0485	OBINNI SINDHUJA	A	P	P	P	P	P
45	18MH1A0486	PADALA PADMAVATHI	P	P	P	P	P	P
46	18MH1A0488	PASALA JAYA LAKSHMI	P	P	P	P	A	P
47	18MH1A0490	POTLA SAIDARAO	P	P	P	P	P	P
48	18MH1A0492	PULAGAM SRIVARSHITHA	P	A	P	P	P	P
49	18MH1A0494	RASAMSETTI CHARAN	P	P	P	P	P	P
50	18MH1A0498	SIDDA VENKATA RAYUDU	P	P	P	P	P	P
51	18MH1A04A1	TALARI NARASAMBIKA	P	P	P	P	P	P
52	18MH1A04A4	YALAMATI LAVANYA	P	P	P	P	P	P
53	19MH5A040	YADAPALLI ANUSHA DEVI	P	P	P	A	P	P
54	19MH5A040	BONASU RAJA SEKHAR	A	P	P	P	P	P
55	18MH1A04A6	ALLI SUNIL KUMAR	P	P	P	P	P	P
56	18MH1A04A7	BALISETTI SRAVANI	P	P	P	P	P	P
57	18MH1A04A9	BONTHU RAMYA	P	P	A	P	P	P
58	18MH1A04B0	CHALUMURI PAVANKUMAR	P	P	P	A	P	P

Aditya College of Engineering

59	18MH1A04B2	DASARI SATYA SPANDANA	P	P	P	P	P	P
60	18MH1A04B5	DHULIPUDI LAKSHMAN	P	P	P	P	P	P
61	18MH1A04B6	GAMINI SAI SRUJANA	P	P	P	P	P	P
62	18MH1A04B8	GUBBALA SAI NEERAJ	P	P	P	P	P	P
63	18MH1A04C0	KANDULA SWAMY	P	P	P	P	P	P
64	18MH1A04C2	KILAPARTHI NAGA	P	P	P	P	P	P
65	18MH1A04C3	KOLA SRAVANTHI	P	P	P	P	P	P
66	19MH5A04D1	ADAPA VINEESHA	P	P	P	P	P	P
67	19MH5A04E1	BAVISETTI VANI	P	P	P	P	P	P
68	19MH5A04E2	CHEKKA RAJESH	P	P	P	P	P	P
69	19MH5A04F2	DABBUGODLA SUJATHA	P	P	P	P	P	P
70	19MH5A04D2	DADISETTI PUTRAYYA	P	P	P	P	P	P
71	17MH1A04F0	AVULA NARESH	P	P	P	P	P	P
72	17MH1A04F1	BAVISETTI SIRISHA	P	P	P	P	P	P
73	17MH1A0410	CHELAMASETTI	P	P	P	P	P	P
74	17MH1A0413	GANTA VENKATA SAI	P	P	P	P	P	P
75	17MH1A0414	GATTEM SAI	P	P	P	P	P	P
76	17MH1A0416	SATHI KALARANI	P	P	P	P	P	P
77	17MH1A0417	GOLUGURI SRI	P	P	P	P	P	P
78	17MH1A042	KARAKA NAGABABU	P	P	P	P	P	P
79	17MH1A042	KODURI L S M BHAVANI	P	P	P	P	P	P
80	17MH1A042	KOPPERA DHEERAJ	P	P	P	P	P	P
81	17MH1A042	KOTHAPALLI DHARMA	P	P	P	P	P	P
82	17MH1A0431	KUMPATLA SURESH	P	P	A	P	P	P
83	17MH1A044	NUNNA SRUTHI	P	P	P	P	P	P
84	17MH1A044	PEKETI MANI VINODH	P	P	P	P	P	P
85	17MH1A0451	SAVARAPU KIRAN	P	P	P	A	P	P
86	18MH5A040	KOTA SRINU	P	P	P	P	P	P
87	18MH5A040	BHEEMIREDDI GANESH	P	P	P	P	P	P

88	17MH1A045	GANJI ANUSHA	P	P	P	P	P	P
89	17MH1A0461	GODA GURUSWAMI	P	P	P	P	A	P
90	17MH1A046	JYOTHULA VENKATESH	P	P	P	P	P	P
91	17MH1A0471	KOTTI SRAVYA	P	P	A	P	P	P
92	17MH1A047	MARNI SUNNY	P	P	P	P	P	P
93	17MH1A048	PAVANI NANDURI	P	P	P	P	P	P
94	17MH1A0491	POKANATI SIVA	P	P	P	P	P	P
95	17MH1A049	RAGALA DAYAKAR	A	P	P	P	A	P
96	17MH1A049	ROKALLA DEVIKA	P	P	P	P	P	P
97	17MH1A049	ROKKAM GANESH	P	P	P	P	P	P
98	17MH1A049	SIDDU SIVA	P	P	P	P	P	P
99	17MH1A04A	TUNGAPALLI SAI LAKSHMI	P	P	P	P	P	P
100	17MH1A04A	VEMU BHARGAVA RAM	P	P	P	P	P	P
101	18MH5A040	BOYAPATI GANESH	P	P	P	A	P	P
102	18MH5A0411	DANGETI LOKESH SAI	P	P	P	P	P	P
103	18MH5A041	GOLLA RAJKUMAR	A	P	P	P	P	P
104	18MH5A041	MEESALA SIVA SHANKAR	P	P	P	P	P	P
105	17MH1A04A	CHITTURI VIJAY	P	P	P	P	A	P
106	17MH1A04B	DASARI NARENDRA BABU	P	P	P	P	P	P
107	17MH1A04B	GANTA ARAVINDU	P	A	P	P	P	P
108	17MH1A04B	GOLLA VINAY ROY	P	P	P	P	P	P
109	17MH1A04B	GUNNAM SAI KALYAN	P	P	P	P	P	P
110	17MH1A04B	NIMMAGADDA SWARNA	P	P	P	P	P	P
111	17MH1A04C	KARANKI SRI RAM	P	P	P	P	P	P
112	17MH1A04C	KATARI VEERA	P	P	P	A	P	P
113	17MH1A04C	KATTA TEJASRI	A	P	P	P	P	P
114	17MH1A04C	KOTHEM	P	P	P	P	P	P
115	17MH1A04D	MANDELA SAI SRI DURGA	P	P	P	P	P	P
116	17MH1A04D	NALLAMILLI VINITHA	P	P	A	P	P	P
117	17MH1A04D	NERELLA SOWMYA	P	P	P	A	P	P
118	17MH1A04D	MARNI SATYA SAI	P	P	P	P	P	P
119	17MH1A04D	PANCHADI KALI KRISHNA	P	P	P	P	P	P
120	17MH1A04E	PAPPULA SRI RAJA	P	P	P	P	P	A
121	17MH1A04E	PENMETSA MAHIMA	P	P	P	P	P	P
122	17MH1A04E	POLAVARAPU PADMA SRI	P	P	P	P	P	P
123	17MH1A04E	GOLLAPALLI PRANATHI	P	P	P	P	P	P

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124	17MH1A04E9	SRI KALA GODAVARTHI	P	P	P	P	P	P
125	17MH1A04F2	TANGUDU YASWANTH	P	P	P	P	P	P
126	17MH1A04F5	VAKACHARLA SAI SRI	P	P	P	P	P	P
127	17MH1A04F7	YADLA SINDHU NAGA	P	P	P	P	P	P
128	18MH5A0416	BHEEMIREDDY NAVYA SAI	P	P	P	P	P	P
129	18MH5A0417	CHEERLA PURUSHOTHAM	P	P	P	P	P	P
130	18MH5A0418	MARRI JOSHNA VEERA	P	P	P	P	P	P
131	18MH5A0420	SAYYED HAJEE BABA	P	P	P	P	P	P
132	18MH1A0403	BHUSANI GOPAL	P	P	P	P	P	P
133	18MH1A0405	BONAM VENKATA SAI	P	P	P	P	P	P
134	18MH1A0406	BOPPANA HEMA CHANDU	P	P	P	P	P	P
135	18MH1A0408	CHEBOLU J R N S S PRUDHV	P	P	P	P	P	P
136	18MH1A04A9	BONTHU RAMYA	P	P	P	P	P	P
137	18MH1A0410	CHOKKA SANTHI SOWJANY	P	P	P	P	P	P
138	18MH1A0411	CHUNDRU SATWIKA	P	P	P	P	P	P
139	18MH1A0413	DESINA LAVANYA	P	P	P	P	P	P
140	18MH1A0414	GIDUTHURI VIJAY DURGA P	P	P	P	P	P	P
141	18MH1A0416	GOPI SIVA KUMAR	P	P	P	P	P	P
142	18MH1A0417	JAMMU NEELIMA	P	P	P	P	P	P
143	18MH1A0419	KAMBALA JHANSI ALEKHYA	P	P	P	P	P	P

Department of Electronics & Communication Engineering

CERTIFICATION COURSE -RF & MEMS using CAD toolsTEST PAPER

ANSWER ALL MCQs No Negative Marks, Each Carry 1mark & Duration:1 hour

40X1=40Marks

1. _____ Wireless operates services are based on a Wi-Fi Positioning System (WPS).
   a) Sky drive
   b) Skyhook
   c) Sky Look
   d) None of the mentioned
2. Point out the wrong statement.
   a) MEMS stands for micro electromechanical systems
   b) MEMS as a class can be between 1000 and 100000 micrometers in size
   c) Several MEMS are packaged in smart phones
   d) All of the mentioned
3. Which of the following system is constantly polling locations to update them and recalibrating data points to improve accuracy over time?
   a) WPS
   b) GPS
   c) XPS
   d) All of the mentioned
4. Which of the following has a Java API that works with the Skyhook network?
   a) Looki
   b) Look
   c) Loki
   d) All of the mentioned
5. Which of the following service is an example of push technology?
   a) Automated software updates
   b) Comet
   c) HTTP streaming
   d) All of the mentioned

as "push" and server is called _____
CDN
MDA
MDB
None of the mentioned
Which of the following push technology is similar to SMTP?
Push-IMAP
Pull-IMAP
Push-POP3
All of the mentioned
Which of the following provides unreliable data transport data rmatting?
WTP
WTLS
WDP
WAE
Which of the following uses a combination of WAP and SMS for its ansport?
EMS
SMS
MMS
All of the mentioned
hat is the role played by Web service in SOA?
service consumer
service provider
service user
none of the mentioned
ne specific ontology that applies to a mobile SOA is _____
WOL
OWL
oXML
None of the mentioned
hich of the following allows an IMAP server to automatically keep a nnection alive?
P-IMAP
C-IMAP

) I-IMAP
) None of the mentioned
he Lemonade Profile is a specification of the _____ as RFC 5550.
) IETF
) IETE
) IETC
) All of the mentioned
/hen a mobile user is connected to the mobile service, how many sets of
formation is exchanged?
) 1
) 2
) 3
) 4
/hich of the following context contains information derived from
easurements made from the mobile device or its sensors?
) Physical
) External
) Logical
) All of the mentioned
/hich of the following provides a set of methods for using modules to
onstruct loosely coupled complex systems from standard parts?
) SOA
) OCCI
) WCF
) None of the mentioned
/hich of the following provides a set of methods for using modules to
onstruct loosely coupled complex systems from standard parts?
) SOA
) OCCI
) WCF
) None of the mentioned
_____ is a non linear circuit that converts DC power to an AC
aveform of desired frequency based on the oscillator design.
) Attenuator
) Amplifier
) Oscillator
) None of the mentioned
_____ Wireless operates services are based on a Wi-Fi Positioning
ystem (WPS).
) Skydrive
) Skyhook
) SkyLook
) None of the mentioned
oint out the wrong statement.
) MEMS stands for microelectromechanical systems
) MEMS as a class can be between 1000 and 100000 micrometers in
ze
) Several MEMS are packaged in smartphones
) All of the mentioned

23. Which of the following system is constantly polling locations to update them and recalibrating data points to improve accuracy over time?
    a) WPS
    b) GPS
    c) XPS
    d) All of the mentioned
24. Which of the following has a Java API that works with the Skyhook network?
    a) Looki
    b) Look
    c) Loki
    d) All of the mentioned
25. Which of the following service is an example of push technology?
    a) Automated software updates
    b) Comet
    c) HTTP streaming
    d) All of the mentioned
26. The IRC protocol and the XMPP IM and VoIP protocol are examples of _____ push technologies.
    a) P2P
    b) C2C
    c) B2B
    d) None of the mentioned
27. Which of the following transport protocol combined with XMPP can be used for push service?
    a) BOSH
    b) UOSH
    c) MOSH
    d) All of the mentioned
28. In the parlance of system design, the active transfer process is referred to as "push" and server is called _____
    a) CDN
    b) MDA
    c) MDB
    d) None of the mentioned
29. Which of the following push technology is similar to SMTP?
    a) Push-IMAP
    b) Pull-IMAP
    c) Push-POP3
    d) All of the mentioned
30. Which of the following provides unreliable data transport data formatting?
    a) WTP
    b) WTLS

transport?
a) EMS
b) SMS
c) MMS
d) All of the mentioned

32. What is the role played by Web service in SOA?
a) service consumer
b) service provider
c) service user
d) none of the mentioned

33. The specific ontology that applies to a mobile SOA is _____
a) WOL
b) OWL
c) oXML
d) None of the mentioned

34. Which of the following allows an IMAP server to automatically keep a connection alive?
a) P-IMAP
b) C-IMAP
c) I-IMAP
d) None of the mentioned

35. The Lemonade Profile is a specification of the _____ as RFC 5550.
a) IETF
b) IETE
c) IETC
d) All of the mentioned

36. When a mobile user is connected to the mobile service, how many sets of information is exchanged?
a) 1
b) 2
c) 3
d) 4

37. Which of the following context contains information derived from measurements made from the mobile device or its sensors?
a) Physical
b) External
c) Logical
d) All of the mentioned

38. Which of the following provides a set of methods for using modules to construct loosely coupled complex systems from standard parts?
a) SOA
b) OCCI
c) WCF
d) None of the mentioned

39. Which of the following provides a set of methods for using modules to construct loosely coupled complex systems from standard parts?
a) SOA
b) OCCI

c) WCF
d) None of the mentioned

40. The criterion on which oscillations are produced in the oscillator circuit is called:
a) Shannon's criteria
b) Barkhausen criteria
c) Colpitts criteria
d) None of the mentioned

Key:

1.b	2.b	3.c	4.c	5.d	6.d	7.d	8.c	9.d	10.c
11.a	12.b	13.a	14.b	15.a	16.a	17.c	18.d	19.b	20.a
21.b	22.a	23.c	24.c	25.a	26.c	27.a	28.b	29.a	30.b
31.a	32.d	33.b	34.c	35.c	36.c	37.c	38.c	39.a	40.b

HOD ECE

Head of the Department
Electronics & Communications Engineering
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Certification Course on RF & MEMS using CAD tools (Online)-Feedback form

Conducted by Dept. of ECE |ADITYA COLLEGE OF ENGINEERING from 14-12-2020 to 19-12-2020

Sugandhi_ecefiles@gmail.com (not shared) Switch account

Resubmit to save

* Required

1. The Pre-Course administration was appropriate and informative. *
STRONGLY AGREE
AGREE
NEUTRAL
DISAGREE
STRONGLY DISAGREE

2. The Course was scheduled at a suitable time *
STRONGLY AGREE
AGREE
NEUTRAL
DISAGREE
STRONGLY DISAGREE

3. The Course facilities and location were appropriate and satisfactory *
STRONGLY AGREE
AGREE
NEUTRAL
DISAGREE
STRONGLY DISAGREE

4. The Course Schedule was presented in a clear and organized manner. *
STRONGLY AGREE
AGREE
NEUTRAL
DISAGREE
STRONGLY DISAGREE

5. The presenter responded to questions an informative, appropriate and satisfactory manner. *
STRONGLY AGREE
AGREE
NEUTRAL
DISAGREE
STRONGLY DISAGREE

6. Handouts/slides (if provided) were clear and useful. *
STRONGLY AGREE
AGREE
NEUTRAL
DISAGREE
STRONGLY DISAGREE

7. Overall, the session was informative and valuable. *
STRONGLY AGREE
AGREE
NEUTRAL
DISAGREE
STRONGLY DISAGREE

8. In what ways could this Course have been improved to better suit your needs? *

STRONGLY AGREE
AGREE
NEUTRAL
DISAGREE
STRONGLY DISAGREE

9. Would you recommend this session to a Friend? *
Yes
No

10. Please suggest any other Courses that would be useful to Your Academics and Carrier

11. Other comments

Submit

Head of the Department
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Aditya Nagar, ADB Road, Surampalem - 533 437, E.G.Dist., Ph: 99631 76662.

Surampalem,
21/12/2020.

To

Mr. Jonadhan Peters,
Technical-HUB.

Sub: - Thank you for the presence in the certification course organized - Reg

Sir,

Please accept our sincere appreciation for the outstanding presentation you made to the certification course of "RF & MEMS using CAD tools". It was very interesting to hear about your experience teaching skills. Thank you so much for sharing your time and experiences with us.

It seems everyone I talk to wants me to express appreciation for your inspiring presentation in the course organized. Your years of research, your depth of understanding of user interfaces, and your ability to present the subject in such an interesting way produced one of the most memorable days in our group's history. Thanks again for a truly memorable presence. We hope you can join us again.

Thanks &Regards

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that Mr/Ms. ..... of ..... has completed the CERTIFICATION COURSE on RF & MEMS using CAD toolsheld from 14th to 19th Dec 2020,during Academic Year 2020-21 at ADITYA COLLEGE OF ENGINEERING, Surampalem, AP.

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