

Phone : 26340091/26300982/26341264  
Fax : 26300982

# JAYA ENGINEERING COLLEGE

(An ISO 9001:2000 CERTIFIED INSTITUTION)

(Approved by AICTE and Affiliated to Anna University)

C.T.H Road, Prakash Nagar, Thiruninravur, (Near Avadi)

Chennai -602024, Tamil Nadu, INDIA

E-Mail: info@jec.ac.in, www.jec.ac.in



RWTV

Date: 26.02.2022

## CERTIFICATE

This is to certify that the findings in the DVV Process of metric 1.1.3 , we furnish the details of the faculty member participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years:

1. Setting of question papers for UG/PG programs
2. Design and Development of Curriculum for certificate Courses
3. Assessment /evaluation process of the affiliating University

PRINCIPAL

PRINCIPAL

JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR, CHENNAI- 602

# JAYA ENGINEERING COLLEGE

(An ISO 9001:2000 CERTIFIED INSTITUTION)

(Approved by AICTE and Affiliated to Anna University)

C.T.H Road, Prakash Nagar, Thiruninravur, (Near Avadi)

Chennai - 602024, Tamil Nadu, INDIA

E-Mail: info@jec.nc.in, www.jec.nc.in



Date: 04-05-2017

To

The Head of the Department,  
Department of Civil Engineering,  
Jaya Engineering College,  
Chennai - 602024.

Sir,

Sub: Assigning faculty for the design and development of curriculum for Certification Course - Advance Construction Techniques for the academic year 2016-17 - reg.

Ref: Letter of Permission for the appointment of faculty for Certification Course - Advance Construction Techniques for the academic year 2016-17, dated 02.05.2017

I appreciate the department for taking initiative to conduct such kind of programme. As per your recommendation and importance of the course, I am pleased to nominate the following faculty member to design the curriculum for Certification course - Advance Construction Techniques.

1. MS.K.P.NAGASUGANTHI, AP / Civil
2. MR.S.KARTHIKEYAN, AP / Civil

The above faculty is hereby instructed to design the curriculum taking into consideration the important topics/concepts of respective field and ensure it should enhance and enrich employability opportunities of the students.

  
26/5/17  
PRINCIPAL  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR, CHENNAI-602

  
PRINCIPAL  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR, CHENNAI-602



**JAYA ENGINEERING COLLEGE**  
(Affiliated to Anna University, Chennai and Approved by AICTE, New Delhi)  
**THIRUNINRAVUR – 602024, THIRUVALLUR DIST. TAMIL  
NADU**

Website : [www.jec.ac.in](http://www.jec.ac.in), Email : [info@jec.ac.in](mailto:info@jec.ac.in)

**DEPARTMENT OF CIVIL ENGINEERING**

**ACADEMIC YEAR 2016-2017**

**CE1705-ADVANCE CONSTRUCTION TECHNIQUES**

**SYLLABUS**

S.NO	TOPIC COVERED	DURATION ( In hours)
1	Pile Foundations	3
2	Coffer Dams	3
3	Caissons	3
4	Control of Ground Water in Excavations	3
5	Temporary Works	3
6	Construction of Earthquake Resistant Buildings	3
7	Specialized construction techniques	3
8	Bridge construction and erection techniques	3
	Pre-cast and pre-fabrication construction	3
10	Offshore construction	3

**TOTAL: 30 HOURS**

**Assessment method:**

- S (91 – 100)
- A – (81 – 90)
- B – (71 – 80)
- C – (61 – 70)
- D – (57 – 60)
- E (50 – 56)
- U (<50)

**COURSE CO-ORDINATOR**

**PRINCIPAL**  
**JAYA ENGINEERING COLLEGE**  
**THIRUNINRAVUR CHENNAI - 602 024.**

**HOD/CIVIL**





ANNA UNIVERSITY :: CHENNAI - 600 025

OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner/Asst. Examiner/Chairman/Vice-Chairman - Copy to Home College

05 May 2017

From

The Zonal Coordinator

Anna University

Chennai 25.

To

The Principal

JAYA ENGINEERING COLLEGE (1108)

Through the Principal

Sir / Madam,

Sub: Appointment of Examiner/Asst. Examiner/Chairman/Vice-Chairman for the Central valuation of Theory answer scripts April / May Examination, 2017 Examinations - Intimation Reg.

\*\*\*\*\*

The Central valuation for the April / May Examination, 2017 Examinations is scheduled from 08-05-2017 to 15-05-2017 at 1119 - S.A. ENGINEERING COLLEGE. The following personnel of your college has/have been appointed as Examiner/Asst. Examiner/Chairman/Vice-Chairman for the same, I request your kind cooperation for the successful valuation.

S.No.	Name of the Faculty	Act as
1	1112115 - K P NAGASUGANTHI	Examiner
2	1108187 - RAJENDRAN	Examiner
3	1108078 - S M MURUGESAN	Examiner
4	1108219 - KASILINGAM	Examiner
5	1108201 - M KARUNAKARAN	Examiner
6	1108187 - RAJENDRAN	Examiner
7	1108219 - KASILINGAM	Examiner
8	1108076 - GANESAN K	Examiner
9	1108168 - JESU CHRISTLA	Examiner
10	1108089 - PREM SANGEETH	Examiner
11	1108098 - KUMARESAN	Examiner
12	1108081 - SELVAM	Examiner
13	1108153 - PRAVEEN K	Examiner
14	1108111 - UMA MAHESWARI R	Examiner
15	1108185 - NARAYANAN	Examiner
16	1108178 - MALATHY	Examiner
17	1108030 - SAILAJA S	Examiner
18	1108152 - RAMESH BABU R	Examiner
19	1108162 - BHARATHI KOS	Examiner
20	1108158 - RAJA MOORTHY P	Examiner
21	1108153 - PRAVEEN K	Examiner
22	1108004 - KESAVAN R	Examiner
23	1108041 - SEETHA DEVI V	Examiner
24	1108096 - MUKUNTHAN MA	Examiner
25 ✓	1111931 - SUNDARAJU G	Examiner
26 ✓	1108016 - M KUMARAN	Examiner
27	1108041 - SEETHA DEVI V	Examiner

JAYA ENGINEERING COLLEGE  
CHENNAI



ANNA UNIVERSITY :: CHENNAI - 600 025

OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner/Asst. Examiner/Chairman/Vice-Chairman - Copy to Home College

28	1108101 - SURESH M	Examiner
29	1108004 - KESAVAN R	Examiner
30	1108080 - MANIMARAN A	Examiner
31	2128038 - SEMMANERI J	Examiner
32	1108002 - M RAVI	Examiner
33	1108186 - PURUSHOTHAMAN	Examiner
34	1108238 - SHANTHI	Examiner
35	1108194 - SIVA KUMAR	Examiner
36	1108193 - MURUGESAN C	Examiner
37	1108239 - ARULMOZHIS	Examiner
38	1108099 - UMARANI V	Examiner
39	1108041 - SEETHA DEVI V	Examiner
40	1108153 - PRAVEEN K	Examiner
41	1108038 - JEBAMALAR TAMILSELVI	Examiner

You are requested to ensure that all the faculty members of your college attend the above examination-duties without fail.

The above orders have to be kept strictly confidential. Your kind cooperation is requested in this regard.

  
JAYA ENGINEERING COLLEGE  
THIRUPURAI, CHENNAI - 601 001

Yours Faithfully,

- sd -

Zonal Coordinator





# JAYA ENGINEERING COLLEGE

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Chennai -602024, Tamil Nadu, INDIA

E-Mail: info@jec.ac.in, www.jec.ac.in



RWT JV

Date: 09-12-2016

To

The Head of the Department,  
Department of Computer science and Engineering,  
Jaya Engineering College,  
Chennai - 602024.

Sir,

Sub: Assigning faculty for the design and development of curriculum for Certification  
Course "Open Office" for the academic year 2016-17 - reg.

Ref: Letter of Permission for the appointment of faculty for Certification Course -  
"Open Office" for the academic year 2016-17, dated 5.12.2016.

I appreciate the department for taking initiative to conduct such kind of  
programme. As per your recommendation and importance of the course, I am pleased to  
nominate the following faculty member to design the curriculum for Certification course -  
"Open Office"

1. Mr G.SUNDARARAJU, ASSO.PROF / CSE
2. Ms.S.KAVITHA, AP / CSE

The above faculty is hereby instructed to design the curriculum taking into consideration  
the important topics/concepts of respective field and ensure it should enhance and enrich  
employability opportunities of the students.

Principal  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR, CHENNAI-602

Principal  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR, CHENNAI-602



**JAYA ENGINEERING COLLEGE**  
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THIRUNINRAVUR - 602024, THIRUVALLUR DIST. TAMIL NADU  
Website : [www.jec.ac.in](http://www.jec.ac.in), Email : [info@jec.ac.in](mailto:info@jec.ac.in)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**ONE WEEK CERTIFICATE COURSE ON OPEN OFFICE**

Academic Year 2016-2017

Course Content

(Prepared by : Mr.G.Sundararaju Asso.Prof/CSE & Ms S.Kavitha AP/CSE)

S.No	Topic	Hours
1	Openoffice.org step by step help, user interface, title bar, menu bar, toolbars, document window ,Saving documents, XML file format names	5
2	toolbars, document window ,Saving documents, XML file format names, printing documents, printing in black and white, printing brochures	5
3	Spell check, adding writing aids, letter template with wizard, find and replace, Match case, searching for styles	5
4	text attributes, special format, Enable copy, accessibility, designing and structuring	5
5	inserting graphics, drag and drop , Keyboard navigation, rotating text, defining borders	5
6	Text animation, section and column, index and table of content	5

**TOTAL:30 HOURS**

G.S. /  
S. Kavitha

Course Co-ordinators

PRINCIPAL  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR - 602024



Head of the Department  
Computer Science & Engineering  
Jaya Engineering College,  
Thiruninravur - 602 024





Phone: 26340091/26300982/26341264  
Fax : 26300982

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Chennai -602024. Tamil Nadu, INDIA

E-Mail: info@jec.ac.in, www.jec.ac.in



RWT JV

Date: 05-07-2017

To

The Head of the Department  
Department of Electronics & Communication Engineering  
Jaya Engineering College  
Thiruninravur - 602024

Sir.

Sub: Assigning of the faculties for Certificate Course - "Circuit Debugging and Testing Using MULTISIM" curriculum design for the academic year 2017 - 2018.

I appreciate the department for taking initiative to conduct such kind of programme. As per your recommendation and importance of the course, I am pleased to nominate the following faculty members for "Circuit Debugging and Testing Using MULTISIM" Certification course curriculum design.

1. Ms.V.Poongodi, Asst.Prof/ECE
2. Ms.A. Rajathi, Asst.Prof/ECE

The above faculties are hereby instructed to design the curriculum taking into consideration the important topics/concepts of respective field and ensure it should enhance and enrich employability opportunities of the students.

  
Principal  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR, CHENNAI - 602 024

  
Principal  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR, CHENNAI - 602 024





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THIRUNINRAVUR – 602024, THIRUVALLUR DIST. TAMIL NADU

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR: 2017 – 2018

EC 1602 - Circuit Debugging and Testing Using Multisim

## Course Contents

Contents	Duration
Introduction	2 Hours
Schematic Capture, Results and Post Processing	3 Hours
Analog Circuit Design	3 Hours
Digital Circuit Design	3 Hours
Custom Components	3 Hours
Design Variants	3 Hours
MCU Co-simulation	3 Hours
Projects and Design Sharing	3 Hours
Lab Session	6 Hours
<b>TOTAL</b>	<b>30 Hours</b>

25/2/22  
PRINCIPAL  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR, CHENNAI - 602024

### Coordinators

Ms.V.Poongodi, Asst.Prof/ECE

Ms.A. Rajathi, Asst.Prof/ECE

HoD/ECE

PRINCIPAL  
JAYA ENGINEERING COLLEGE  
CHENNAI-602024



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Chennai -602024, Tamil Nadu, INDIA

E-Mail: info@jec.ac.in, www.jec.ac.in



RWTSV

Date: 16-08-2017

To

The Head of the Department  
Department of Electronics & Communication Engineering  
Jaya Engineering College  
Thiruninravur – 602024

Sir,

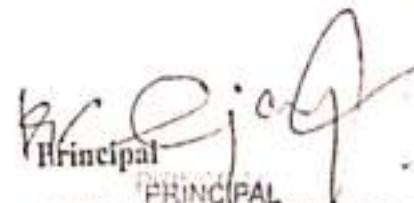
Sub: Assigning of the faculties for Certificate Course – PCB Designing curriculum design for the academic year 2017 – 2018.

I appreciate the department for proposing to conduct such kind of programme. As per your recommendation and referring to the above subject, I am pleased to nominate the following faculty members for PCB Designing Certification course curriculum design.

1. Mr.R.Suresh Kumar, Asst.Prof/ECE
2. Ms.R.Radhika, Asst.Prof/ECE

The above faculties are hereby instructed to design the curriculum taking into consideration the important topics/concepts of respective field and ensure it should enhance and enrich employability opportunities of the students.

  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR - 602024

  
Principal  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR - 602024





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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**ACADEMIC YEAR: 2017 - 2018**

**Certificate Course on PCB Designing (EC 1604)**

**Course Contents**

Contents	Duration
Introduction	2 Hours
Basic Integrated Circuits: SSI, MSI, LSI, VLSI, Building circuits	4 Hours
Multiplexing Analog Signals on the Bench, Understanding Shift Registers and their Applications	4 Hours
Introduction to LED Display Drivers	3 Hours
Building the Scrolling LED Effect on the Bench	3 Hours
PCB Basics, PCB Design End to End for Beginners, Hands on PCB Teardowns.	4 Hours
Circuit Maker Fundamentals	4 Hours
Lab Session	6 Hours
<b>TOTAL</b>	<b>30 Hours</b>

PRINCIPAL

JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR, CHENNAI

**Coordinators**

Mr.R.Suresh Kumar, Asst.Prof/ECE

Ms.R.Radhika, Asst.Prof/ECE

HoD/ECE

JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR, CHENNAI



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RWTUV

Date: 10-01-2018

To

The Head of the Department,  
Department of Electronics & Communication Engineering,  
Jaya Engineering College,  
Chennai - 602024.

Sir,

Sub: Assigning of the faculties for Certificate Course - "Hands on Training in MATLAB" curriculum design for the academic year 2017-18 - reg.

I appreciate the department for taking initiative to conduct such kind of programme. As per your recommendation and importance of the course, I am pleased to nominate the following faculty members for "Hands on Training in MATLAB" Certification course curriculum design.

1. Mr.K.Praveen, AP / ECE
2. Ms.Yamini Prasanna, AP / ECE

The above faculties are hereby instructed to design the curriculum taking into consideration the important topics/concepts of respective field and ensure it should enhance and enrich employability opportunities of the students.

  
Principal  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR, CHENNAI - 602024

  
Principal  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR, CHENNAI - 602024



# JAYA ENGINEERING COLLEGE

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

Thiruninravur, - 602024, THIRUVALLUR DIST, TAMIL NADU

Website: [www.jec.ac.in](http://www.jec.ac.in), E-Mail: [info@jec.ac.in](mailto:info@jec.ac.in)

## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

ACADEMIC YEAR 2017 - 2018

EC 1606 - HANDS ON TRAINING IN MATLAB

### COURSE CONTENTS

CONTENTS	DURATION
Introduction to MATLAB Software and MATLAB Suite	3 HOURS
Vectors & Matrices	3 HOURS
How to work with Mathematics in MATLAB?	3 HOURS
Scripts, Functions & M files in MATLAB	3 HOURS
Graphs & Plots in MATLAB	3 HOURS
Introduction to Calculus and Engineering Functions in MATLAB	3 HOURS
Functions, Logical Statements & Operations in MATLAB	3 HOURS
Working with m files	3 HOURS
Advanced Plotting in MATLAB	3 HOURS
MATLAB Projects	3 HOURS
<b>TOTAL</b>	<b>30 HOURS</b>

PREPARED BY

Mr.K.PRAVEEN/AP/ECE

Ms.YAMINI PRASANNA /AP/ECE

HoD/ECE

DEPT. OF ECE,  
JAYA ENG. COLLEGE  
CHENNAI 602 024

28/2/22



ANNA UNIVERSITY :: CHENNAI - 600 025

OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner/Asst. Examiner/Chairman/Vice-Chairman - Copy to Home College

21 May 2018

From

The Zonal Coordinator

Anna University

Chennai 25.

To

The Principal

JAYA ENGINEERING COLLEGE (1108)

Through the Principal

Sir / Madam,

Sub: Appointment of Examiner/Asst. Examiner/Chairman/Vice-Chairman for the Central valuation of Theory answer scripts April / May Examination, 2018 Examinations - Intimation Reg.

\*\*\*\*\*

The Central valuation for the April / May Examination, 2018 Examinations is scheduled from 22-05-2018 to 26-05-2018 at 1132 - VELAMMAL ENGINEERING COLLEGE. The following personnel of your college has/have been appointed as Examiner/Asst. Examiner/Chairman/Vice-Chairman for the same. I request your kind cooperation for the successful valuation.

S.No.	Name of the Faculty	Act as
1	1108016 - M KUMARAN	Examiner
2	1108041 - SEEDHA DEVI V	Examiner
3	1108101 - SURESH M	Examiner
4	1108004 - KESAVAN R	Examiner
5	1108080 - MANIMARAN A	Examiner
6	2128038 - SEMMANERI J	Examiner
7	1108096 - MUKUNTHAN MA	Examiner
8	1108102 - UVASHAKTHI E	Examiner
9	1108160 - RAJA MOORTHY P	Examiner
10	1108142 - SARAVANAN J	Examiner
11	1108097 - BHARATHI MOHAN G	Examiner
12	1108038 - JEBAMALAR TAMILSELVI	Examiner
13	1108178 - MALATHY	Examiner
14	1108098 - LIN EBY CHANDRA J	Examiner
15	1108121 - SYED ANWAR HUSSAINY F	Examiner
16	1108063 - SANKAR GANESH S	Examiner
17	1108170 - SUBBIAH	Examiner
18	1108044 - ALANGARAM S	Examiner
19	1108106 - CHARLES PRABHU V	Examiner
20	1108110 - SUBBULAKSHMI M	Examiner
21	1108143 - BHARATH KUMAR R	Examiner
22	1108123 - THILAGARANI M	Examiner
23	1108052 - ARUNA REPPY SHALINI S	Examiner
24	1108232 - C POONGUZHALI	Examiner
25	1108212 - S ARUNKUMAR	Examiner
26	1108125 - GEETHA B	Examiner
27	1108124 - VIGNESHWARI C	Examiner





ANNA UNIVERSITY :: CHENNAI - 600 025

# OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner/Asst. Examiner/Chairman/Vice-Chairman - Copy to Home College

28	1108107 - KAVITHA S	Examiner
29	1111029 - PAVITHRA	Examiner
30	1108231 - JEMI GOLD P	Examiner
31	1108315 - SANGAMITHRA	Asst. Examiner
32	1108314 - SUMATHI	Asst. Examiner
33	1108160 - RAJA MOORTHY P	Examiner
34	1108153 - PRAVEEN K	Examiner
35	1108185 - NARAYANAN	Examiner
36	1108178 - MALATHY	Examiner
37	1108151 - HARIHARAN	Examiner
38	1108084 - SANTHOSH B K	Examiner
39	1108163 - THAMILARASI N	Examiner
40	1108030 - SAILAJA S	Examiner
41	1108232 - C POONGUZHALI	Examiner
42	1120021 - JAYAPRAKASH V	Examiner
43	1108256 - J JOHNSI	Examiner
44	1108243 - SASI REKHA	Examiner
45	1108340 - KOMATHI	Asst. Examiner
46	1108338 - GOUTHAM	Asst. Examiner
47	1108306 - ANUSUYA G	Asst. Examiner
48	1108305 - RANJANI P	Asst. Examiner
49	1108291 - IMRANA JABEEN S	Asst. Examiner
50	1108255 - ANANTHI	Asst. Examiner
51	1108262 - SANGEETHA R	Asst. Examiner
52	1108293 - SEETHALAKSHMI	Asst. Examiner
53	1108260 - SANTHANAM M	Asst. Examiner
54	2108258 - SUGANYA G	Asst. Examiner
55	1108341 - JAIKUMAR	Asst. Examiner
56	1108292 - KEERTHIKA R	Asst. Examiner
57	1108315 - SANGAMITHRA	Asst. Examiner
58	1108277 - MONISHA A	Asst. Examiner
59	1108314 - SUMATHI	Asst. Examiner
60	1108149 - CHANDRA VATHANAM C	Examiner
61	1108089 - PREM SANGEETH	Examiner
62	1108090 - KUMARESAN	Examiner
63	1108081 - SELVAM	Examiner
64	1105065 - THANGADURAI	Examiner
65	1108345 - P BAMA	Examiner
66	1124035 - RAJASREE R	Examiner
67	1108146 - NANDINI K	Examiner
68	1108148 - MEENAKSHI A	Examiner
69	1108007 - KALARANI G	Chairman
70	1108112 - KANAGAVALLI R	Examiner
71	1108149 - CHANDRA VATHANAM C	Examiner
72	1108142 - SARAVANAN J	Examiner
73	1108089 - PREM SANGEETH	Examiner
74	1108090 - KUMARESAN	Examiner
75	1108081 - SELVAM	Examiner
76	1108169 - JEBA CHRISTLA	Examiner
77	1105065 - THANGADURAI	Examiner
78	1108143 - BHARATH KUMAR R	Examiner

Handwritten signature and date: 25/2/22

Stamp: PRINCIPAL, ANNA UNIVERSITY, CHENNAI





**ANNA UNIVERSITY :: CHENNAI - 600 025**  
**OFFICE OF THE CONTROLLER OF EXAMINATIONS**  
Appointment Order - External Examiner

12 October 2018

From

The Zonal Coordinator  
Anna University  
Chennai 25.

To

Tmt. POOMANI (Faculty Code:1108037)  
JAYA ENGINEERING COLLEGE (1108)

Through the Principal

Madam,

Sub: Appointment of External Examiners for Practical/Project  
Viva-voce Examinations Nov. / Dec. Examination, 2018 - Reg.

Based on the information received from the Principal of the College where you are presently working, I wish to inform that you are appointed as External Examiner to conduct the Practical/Project Viva-voce Examinations Nov. / Dec. Examination, 2018 as per the details given below.

S.No.	Reporting College (with code) / Internal Name	Degree/Branch & University	Name of the Practical Subject with code	Date	Time	Number of candidates appearing (approx.)
1	1101 - AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING F HABIB MOHAMMED AFZAL BIJLI Ph-9884182792	621 - M.C.A - AUC	MC7511 - Advanced Internet Programming Laboratory	24-10-2018	09:00 AM	29

You are requested to attend the above examination-duties without fail. In case of any exigencies, if you are not in a position to accept the above offer, you are requested to inform the same to the zonal office **immediately** through the Principal of your college stating the reasons.

One of the question paper has to be selected from the set of question paper provided by the office of the controller of examinations. In case, if it is not provided then the question paper has to be set jointly by the internal and the external examiners. After the examination, the principal has to arrange for entering the marks in the web portal by the external examiner. The following documents shall be handed over to the Principal of the college immediately after the conduct of the practical examination.

- The attendance sheet.
- A copy of the mark statement signed by the internal and external examiners.

Allowances to incidental expenses and remuneration for conducting practical examinations will be paid by the Principal of the respective college on the last day of the examination as per the approved rates. Necessary claim forms are available with the Principal.

You are requested to keep the order and subsequently the marks awarded to the candidates strictly confidential. Your kind cooperation is requested in this regard.



JAYA ENGINEERING COLLEGE  
Phone No: 2257355/7296  
Email ID: jayacollege@gmail.com

Yours Faithfully,  
Zonal Coordinator





**ANNA UNIVERSITY :: CHENNAI - 600 025**  
**OFFICE OF THE CONTROLLER OF EXAMINATIONS**  
Appointment Order - External Examiner

12 October 2018

From

The Zonal Coordinator  
Anna University  
Chennai 25.

To

Tmt. POOMANI (Faculty Code:1108037)  
JAYA ENGINEERING COLLEGE (1108)

Through the Principal

Madam,

Sub: Appointment of External Examiners for Practical/Project  
Viva-voce Examinations Nov. / Dec. Examination, 2018 - Reg.

Based on the information received from the Principal of the College where you are presently working, I wish to inform that you are appointed as External Examiner to conduct the Practical/Project Viva-voce Examinations Nov. / Dec. Examination, 2018 as per the details given below.

S.No.	Reporting College (with code) / Internal Name	Degree/Branch & University	Name of the Practical Subject with code	Date	Time	Number of candidates appearing (approx.)
1	1101 - AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING F HABIB MOHAMMED AFZAL BIJLI Ph.:9834182792	621 - M.C.A - AUC	MC7511 - Advanced Internet Programming Laboratory	24-10-2018	09:00 AM	29

You are requested to attend the above examination-duties without fail. In case of any exigencies, if you are not in a position to accept the above offer, you are requested to inform the same to the zonal office **immediately** through the Principal of your college stating the reasons.

One of the question paper has to be selected from the set of question paper provided by the office of the controller of examinations. In case, if it is not provided then the question paper has to be set jointly by the internal and the external examiners. After the examination, the principal has to arrange for entering the marks in the web portal by the external examiner. The following documents shall be handed over to the Principal of the college immediately after the conduct of the practical examination.

- i. The attendance sheet.
- ii. A copy of the mark statement signed by the internal and external examiners.

Allowances to incidental expenses and remuneration for conducting practical examinations will be paid by the Principal of the respective college on the last day of the examination as per the approved rates. Necessary claim forms are available with the Principal.

You are requested to keep the order and subsequently the marks awarded to the candidates strictly confidential. Your kind cooperation is requested in this regard.

Yours Faithfully,  
Zonal Coordinator



JAYA ENGINEERING COLLEGE  
Thirunelveli  
Phone No: 2257350/7250  
Email ID: jayacollege@gmail.com



# JAYA ENGINEERING COLLEGE

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

THIRUNINRAVUR - 602024, THIRUVALLUR DIST. TAMIL NADU

Website: [www.jec.ac.in](http://www.jec.ac.in),

Email: [info@jec.ac.in](mailto:info@jec.ac.in)

DATE : 04-10-2018

To,  
The Head of the Department  
Department of Computer Applications  
Jaya Engineering College  
Thiruninravur -602024.

Madam,

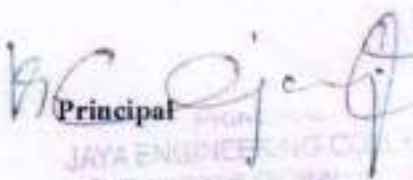
Sub: Assigning faculty for the design and development of curriculum for certification course - Web Application Development Using DOTNET for the academic year 2018-2019 - reg

I appreciate the department for taking initiative to conduct such a kind of programme. As per your recommendation and importance of the course, I am pleased to nominate the following faculty members to design the curriculum for certification course - Web Application Development Using DOTNET.

1. Mrs.M.Poomani / Asst.Prof. / MCA
2. Mrs.M.Devi / Asst.Prof. / MCA

The above faculties are instructed to design the curriculum taking into consideration the important topics and concepts of respective field and ensure it should enhance the employability of respective field and ensure it should enhance and enrich the employability opportunities of the students.

  
26/2/22  
  
Principal  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR CHENNAI - 602 024

  
Principal  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR CHENNAI - 602 024





# JAYA ENGINEERING COLLEGE

(Affiliated to Anna University, Chennai and Approved by AICTE, New Delhi)  
THIRUNINRAVUR – 602024, THIRUVALLUR DIST. TAMIL NADU

Website: [www.jec.ac.in](http://www.jec.ac.in), Email: [info@jec.ac.in](mailto:info@jec.ac.in)

DEPARTMENT OF COMPUTER APPLICATIONS

ACADEMIC YEAR 2018-2019

Syllabus for Certification Course on "MCA1801 - Web Application Development Using DOTNET"

Prepared by:

Mrs.M.Poomani / AP / MCA &

Mrs.M.Devi / AP / MCA

S.No.	TOPICS COVERED	DURATION
1	The .Net Platform and the Web	2 Hrs 30 Min
2	The .Net Platform and the Web	2 Hrs 30 Min
3	Working with ASP.NET	2 Hrs 30 Min
4	Web controls for Displaying and Formatting Data	2 Hrs 30 Min
5	Web Controls	2 Hrs 30 Min
6	Web Controls	2 Hrs 30 Min
7	ASP.NET Page Directives, Validation Controls	2 Hrs 30 Min
8	Data List Controls	2 Hrs 30 Min
9	Introduction of GridView Or DataGrid Control (Simple Demo of view records using above control)	2 Hrs 30 Min
10	Introduction of FormView and Detail View Controls (Simple Demo of edit, delete and insert records using above control)	2 Hrs 30 Min
11	Handling File I/O	2 Hrs 30 Min
12	ADO.NET	2 Hrs 30 Min

Course Co-ordinator



PRINCIPAL  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR, CHENNAI

HoD/MCA





**ANNA UNIVERSITY :: CHENNAI - 600 025**  
**OFFICE OF THE CONTROLLER OF EXAMINATIONS**  
Anna University Representative - Appointment Order

03 November 2018

**From :**

**The Zonal Coordinator**  
Anna University  
Chennai 25.

**To**

**Tmt. POOMANI (Faculty Code:1108037)**  
Mobile Number : 9790866974  
JAYA ENGINEERING COLLEGE (1108)

Through the Principal

Madam,

Sub: Appointment of Anna University Representative - Anna University Nov. / Dec. Examination, 2018 - Reg.

\*\*\*\*\*

I am pleased to appoint you as the Anna University Representative for the conduct of Anna University Examinations at **T.J.S. ENGINEERING COLLEGE ( 1128 )** from 12 November 2018 to 17 November 2018.

You are requested not to decline the offer at the last minute/on the day of examinations, because it is very difficult to make alternative arrangements by the University.

The duties and responsibilities of the Anna University Representative together with the proforma (AUR 5 and 6) are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration, allowances as prescribed by the University. You are requested to send your claim bills duly filled along with the report (proforma AUR 5 and 6) and the attendance certificate to the Zonal Coordinator on the last day of your duty through Chief AUR.

Your co-operation is sought for the smooth conduct of the Anna University Examinations.

Yours Faithfully,  
**Zonal Coordinator**

Copy to :

- 1.The Principal in which the AUR is working.
- 2.The Principal / Chief Superintendent of the College to which AUR is appointed.

PRINCIPAL  
JAYA ENGINEERING COLLEGE  
THIRUNELVARI - 627 024

Faculty Code/Name: 1120NE (1, Chennai)

Phone No: 22307250/22307

Email ID: auronet@anna.co



**ANNA UNIVERSITY :: CHENNAI - 600 025**  
**OFFICE OF THE CONTROLLER OF EXAMINATIONS**  
Examiner for Central Valuation

29 May 2019

**From**

The Zonal Coordinator  
Anna University  
Chennai 25.

**To**

Tmt. POOMANI (Faculty Code:1108037)  
JAYA ENGINEERING COLLEGE (1108)

Madam,

Sub: Central Valuation - Zone 1 Confidential work-Reg.

\*\*\*\*\*

I am by direction pleased to appoint you as the Examiner for Central Valuation at **VELAMMAL ENGINEERING COLLEGE ( 1132 )** from **30 May 2019 to 31 May 2019**. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

Board :

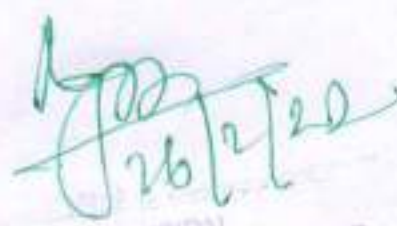
- 1) 322 - M.C.A.
- 2) 422 - M.C.A.

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sd/-

**Zonal Coordinator**

  
PRINCIPAL  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVAUR CHENNAI - 602 024





# JAYA ENGINEERING COLLEGE

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

THIRUNINRAVUR - 602024, THIRUVALLUR DIST. TAMIL NADU

Website: [www.jec.ac.in](http://www.jec.ac.in),

Email: [info@jec.ac.in](mailto:info@jec.ac.in)

DATE : 03-01-2019

To,  
The Head of the Department  
Department of Computer Applications  
Jaya Engineering College  
Thiruninravur -602024.

Madam,

Assigning faculty for the design and development of curriculum for certification course -  
Web Mining for the academic year 2018-2019 - reg

I appreciate the department for taking initiative to conduct such a kind of programme. As  
per your recommendation and importance of the course, I am pleased to nominate the following  
faculty members to design the curriculum for certification course - Web Mining.

1. Mrs.P.Jasphin Jeni Sharmila / Asst.Prof. / MCA
2. Mr.M.Manisha / Asst.Prof. / MCA

The above faculties are instructed to design the curriculum taking into consideration the  
important topics and concepts of respective field and ensure it should enhance the employability  
of respective field and ensure it should enhance and enrich the employability opportunities of the  
students.

  
Principal  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR CHENNAI - 602024



  
Principal  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR CHENNAI - 602024





# JAYA ENGINEERING COLLEGE

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

THIRUNINRAVUR – 602024, THIRUVALLUR DIST. TAMIL NADU

Website: [www.jec.ac.in](http://www.jec.ac.in),

Email: [info@jec.ac.in](mailto:info@jec.ac.in)

## DEPARTMENT OF COMPUTER APPLICATIONS

ACADEMIC YEAR 2018-2019

Syllabus for Certification Course on “MCA1804 – WEB MINING”

Prepared by:

Mrs.P.Jasphin Jeni Sharmila / AP / MCA &

Ms.M.Manisha / AP / MCA

S.No.	TOPICS COVERED	DURATION
1	Introduction, The Web Challenges.	2 Hrs 30 Min
2	Web Mining and its types	2 Hrs 30 Min
3	Information Retrieval and Web Search	2 Hrs 30 Min
4	Information Retrieval and Web Search	2 Hrs 30 Min
5	Hyperlink Based Ranking	2 Hrs 30 Min
6	Clustering approaches for Web Mining	2 Hrs 30 Min
7	Clustering approaches for Web Mining	2 Hrs 30 Min
8	Evaluating Clustering	2 Hrs 30 Min
9	Introduction to Projects	2 Hrs 30 Min
10	Project - Web Crawler	2 Hrs 30 Min
11	Project - Web Document Classification	2 Hrs 30 Min
12	Project - Intelligent Web Browser	2 Hrs 30 Min

Course Co-ordinator



PRINCIPAL  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR CHENNAI - 602024

HoD/MCA

HEAD OF THE DEPARTMENT  
DEPT. OF COMPUTER APPLICATIONS  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR - 602024



**ANNA UNIVERSITY :: CHENNAI - 600 025**  
**OFFICE OF THE CONTROLLER OF EXAMINATIONS**  
**Anna University Representative - Appointment Order**

22 November 2018

**From**

**The Zonal Coordinator**  
Anna University  
Chennai 25.

**To**

**Tmt. P JASPHIN JENI SHARMILA (Faculty Code:1108024)**  
Mobile Number : 9444482883  
JAYA ENGINEERING COLLEGE (1108)

Through the Principal

Madam,

Sub: Appointment of Anna University Representative - Anna University Nov. / Dec. Examination, 2018 - Reg.

\*\*\*\*\*

I am pleased to appoint you as the Anna University Representative for the conduct of Anna University Examinations at **S.A. ENGINEERING COLLEGE ( 1119 )** from 19 November 2018 to 27 November 2018.

You are requested not to decline the offer at the last minute/on the day of examinations, because it is very difficult to make alternative arrangements by the University.

The duties and responsibilities of the Anna University Representative together with the proforma (AUR 5 and 6) are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration, allowances as prescribed by the University. You are requested to send your claim bills duly filled along with the report (proforma AUR 5 and 6) and the attendance certificate to the Zonal Coordinator on the last day of your duty through Chief AUR.

Your co-operation is sought for the smooth conduct of the Anna University Examinations.

Yours Faithfully,  
**Zonal Coordinator**

Copy to :

1. The Principal in which the AUR is working.
2. The Principal / Chief Superintendent of the College to which AUR is appointed.

*[Handwritten signature]*  
20/11/22  
PRINCIPAL  
JAYA ENGINEERING COLLEGE  
THIRUVANRAVUR CHENNAI - 602024

Zonal Coordinator - 1108024 / Chennai

Phone No: 2257285/2256

Email ID: aubahen@gmail.com





# JAYA ENGINEERING COLLEGE

(Affiliated to Anna University, Chennai and Approved by AICTE, New Delhi)  
THIRUNINRAVUR - 602024, THIRUVALLUR DIST. TAMIL NADU  
Website: [www.jec.ac.in](http://www.jec.ac.in), Email: [info@jec.ac.in](mailto:info@jec.ac.in)

DATE : 03-01-2019

To,  
The Head of the Department  
Department of Computer Applications  
Jaya Engineering College  
Thiruninravur -602024.

Madam,

Assigning faculty for the design and development of curriculum for certification course - Digital Marketing for the academic year 2018-2019 - reg

I appreciate the department for taking initiative to conduct such a kind of programme. As per your recommendation and importance of the course, I am pleased to nominate the following faculty members to design the curriculum for certification course - Digital Marketing.

1. Mr.U.Gunaseelan / Asst.Prof. / MCA
2. Ms.S.Sahira Begum / Asst.Prof. / MCA

The above faculties are instructed to design the curriculum taking into consideration the important topics and concepts of respective field and ensure it should enhance the employability of respective field and ensure it should enhance and enrich the employability opportunities of the students.

  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR - 602024



  
Principal  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR - 602024





# JAYA ENGINEERING COLLEGE

(Affiliated to Anna University, Chennai and Approved by AICTE, New Delhi)  
THIRUNINRAVUR – 602024, THIRUVALLUR DIST. TAMIL NADU  
Website: [www.jec.ac.in](http://www.jec.ac.in), Email: [info@jec.ac.in](mailto:info@jec.ac.in)

## DEPARTMENT OF COMPUTER APPLICATIONS

ACADEMIC YEAR 2018-2019

Syllabus for Certification Course on “MCA1805- Digital Marketing”

Prepared by:

Mr.U.Gunaseelan / Asst.Prof. / MCA &

Ms.S.Sahira Begum / Asst.Prof. / MCA

S.No.	TOPICS COVERED	DURATION
1	Introduction	2 Hrs 30 Min
2	Introduction to Pay-Per-Click	2 Hrs 30 Min
3	Psychology of Search	2 Hrs 30 Min
4	Search Ads and Keyword Targeting	2 Hrs 30 Min
5	Increasing Reach with Display Networks	2 Hrs 30 Min
6	Reaching Target Audiences	2 Hrs 30 Min
7	The Buying Funnel	2 Hrs 30 Min
8	Setting and Measuring Marketing Goals	2 Hrs 30 Min
9	How PPC Fits into the Digital Strategy	2 Hrs 30 Min
10	Reporting and Tracking	2 Hrs 30 Min
11	Quality Score Diagnosis and Pivot Tables	2 Hrs 30 Min
12	Automation and Other Tools	2 Hrs 30 Min

Course Co-ordinator



PRINCIPAL

JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR CHENNAI - 602024

HOD/MCA

HEAD OF THE DEPARTMENT  
DEPT. OF COMPUTER APPLICATIONS  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR - 602024



## JAYA ENGINEERING COLLEGE

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

THIRUNINRAVUR - 602024, THIRUVALLUR DIST. TAMIL NADU

Website: [www.jec.ac.in](http://www.jec.ac.in),

Email: [info@jec.ac.in](mailto:info@jec.ac.in)

DATE: 04-10-2018

To,  
The Head of the Department  
Department of Computer Applications  
Jaya Engineering College  
Thiruninravur -602024.

Madam,

Assigning faculty for the design and development of curriculum for certification course - Cyber Forensics for the academic year 2018-2019 - reg

I appreciate the department for taking initiative to conduct such a kind of programme. As per your recommendation and importance of the course, I am pleased to nominate the following faculty members to design the curriculum for certification course - Cyber Forensics.

1. Mrs.E.Edith Esther / Asst.Prof. / MCA
2. Mr.B.Deepan Raj / Asst.Prof. / MCA

The above faculties are instructed to design the curriculum taking into consideration the important topics and concepts of respective field and ensure it should enhance the employability of respective field and ensure it should enhance and enrich the employability opportunities of the students.

*Handwritten signature*  
26/2/22

JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR - 602024



*Handwritten signature*  
Principal  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR - 602024





# JAYA ENGINEERING COLLEGE

(Affiliated to Anna University, Chennai and Approved by AICTE, New Delhi)  
THIRUNINRAVUR – 602024, THIRUVALLUR DIST. TAMIL NADU  
Website: [www.jec.ac.in](http://www.jec.ac.in), Email: [info@jec.ac.in](mailto:info@jec.ac.in)

DEPARTMENT OF COMPUTER APPLICATIONS

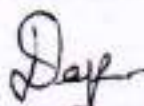
ACADEMIC YEAR 2018-2019

Syllabus for Certification Course on "MCA1803 – CYBER FORENSICS"

Prepared by:

Mrs.E.Edith Esther / AP / MCA &  
Mr.B.Deepan Raj / AP / MCA

S.No.	TOPICS COVERED	DURATION
1	Introduction to Computer Forensics	2 Hrs 30 Min
2	Introduction to Identity Theft & Identity Fraud	2 Hrs 30 Min
3	Types of CF techniques	2 Hrs 30 Min
4	Forensics Technology and Systems	2 Hrs 30 Min
5	Understanding Computer Investigation	2 Hrs 30 Min
6	Data Acquisition.	2 Hrs 30 Min
7	Evidence Collection and Forensics Tools	2 Hrs 30 Min
8	Working with Windows and DOS Systems	2 Hrs 30 Min
9	Validating Forensics Data	2 Hrs 30 Min
10	Performing Remote Acquisition	2 Hrs 30 Min
11	Network Forensics	2 Hrs 30 Min
12	Cell Phone and Mobile Devices Forensics	2 Hrs 30 Min

  
Course Co-ordinator



  
PRINCIPAL  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR CHENNAI - 602024

  
HEAD OF THE DEPARTMENT  
DEPARTMENT OF COMPUTER APPLICATIONS  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR - 602024



**ANNA UNIVERSITY :: CHENNAI - 600 025**  
**OFFICE OF THE CONTROLLER OF EXAMINATIONS**  
Examiner for Central Valuation

29 May 2019

**From**

**The Zonal Coordinator**  
Anna University  
Chennai 25.

**To**

**Tmt. EDITH ESTHER E (Faculty Code:1108374)**  
**JAYA ENGINEERING COLLEGE (1108)**

Madam,

Sub: Central Valuation - Zone 1 Confidential work-Reg.

\*\*\*\*\*

I am by direction pleased to appoint you as the Examiner for Central Valuation at **VELAMMAL ENGINEERING COLLEGE ( 1132 )** from **30 May 2019 to 31 May 2019**. You are requested to report to the Camp Officer at 8.30 A.M during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

Board :

1) 422 - M.C.A.

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sd/-

**Zonal Coordinator**

*[Handwritten signature]*  
28/5/2019  
Principal  
JAYA ENGINEERING COLLEGE  
THIRUPPURA CHENNAI - 602 024





# JAYA ENGINEERING COLLEGE

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

THIRUNINRAVUR - 602024, THIRUVALLUR DIST. TAMIL NADU

Website: [www.jec.ac.in](http://www.jec.ac.in),

Email: [info@jec.ac.in](mailto:info@jec.ac.in)

DATE: 10-07-2019

To,  
The Head of the Department  
Department of Computer Applications  
Jaya Engineering College  
Thiruninravur -602024.

Madam,

Assigning faculty for the design and development of curriculum for certification course - Ethical Hacking and Systems Defense for the academic year 2019-2020 - reg

I appreciate the department for taking initiative to conduct such a kind of programme. As per your recommendation and importance of the course, I am pleased to nominate the following faculty members to design the curriculum for certification course - Ethical Hacking and Systems Defense.

1. Mrs.E.Edith Esther / Asst.Prof. / MCA
2. Mrs.M.Manisha / Asst.Prof. / MCA

The above faculties are instructed to design the curriculum taking into consideration the important topics and concepts of respective field and ensure it should enhance the employability of respective field and ensure it should enhance and enrich the employability opportunities of the students.

  
Principal  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR CHENNAI - 602 024



  
Principal  
Dr. K.SAMUDURAI  
Principal  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR CHENNAI - 602 024



# JAYA ENGINEERING COLLEGE

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

THIRUNINRAVUR – 602024, THIRUVALLUR DIST. TAMIL NADU

Website: [www.jec.ac.in](http://www.jec.ac.in),

Email: [info@jec.ac.in](mailto:info@jec.ac.in)

DEPARTMENT OF COMPUTER APPLICATIONS

ACADEMIC YEAR 2019-2020

Syllabus for Certification Course on “MCA1902 – Ethical Hacking and Systems Defense”

Prepared by:

Mrs.E.Edith Esther / AP / MCA &

Ms.M.Manisha / AP / MCA

S.No.	TOPICS COVERED	DURATION
1	Introduction, Ethical hacking Terminology	2 Hrs 30 Min
2	Types of hacking technologies	2 Hrs 30 Min
3	Phases of ethical hacking , Foot printing	2 Hrs 30 Min
4	Social Engineering , Scanning and enumeration	2 Hrs 30 Min
5	Practical :Hacking the server ( through virtual machine )	2 Hrs 30 Min
6	Understanding the Password Hacking Techniques	2 Hrs 30 Min
7	Denial of Service-Session Hijacking.	2 Hrs 30 Min
8	TCP/IP Overview Concepts and Port Scanning	2 Hrs 30 Min
9	Windows OS Vulnerabilities, Tools for identifying vulnerabilities in windows, Linux OS vulnerabilities, vulnerabilities of embedded OS.	2 Hrs 30 Min
10	Understanding routers, Understanding firewalls, Risk Analysis tools for Firewalls	2 Hrs 30 Min
11	Understanding intrusion and detection and prevention systems	2 Hrs 30 Min
12	Honeypots, Projects	2 Hrs 30 Min

  
Course Co-ordinator

  
PRINCIPAL  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR, CHENNAI-602024

  
HoD/MCA







**ANNA UNIVERSITY :: CHENNAI - 600 025**  
**OFFICE OF THE CONTROLLER OF EXAMINATIONS**  
**Examiner for Central Valuation**

05 January 2020

**From**

**The Zonal Coordinator**  
Anna University  
Chennai 25.

**To**

**Tmt. EDITH ESTHER E (Faculty Code:1108374)**  
**JAYA ENGINEERING COLLEGE (1108)**

Madam,

\* Sub: Central Valuation - Zone 1 Confidential work-Reg.

\*\*\*\*\*

I am by direction pleased to appoint you as the Examiner for Central Valuation at **S.A. ENGINEERING COLLEGE (1119)** from **07 January 2020 to 12 January 2020**. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

Board :

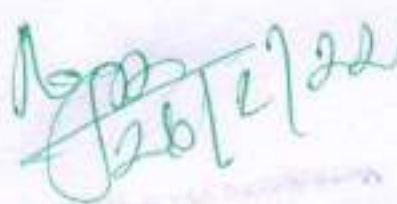
1) 422<sup>nd</sup> M.C.A.

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sd/-

**Zonal Coordinator**

  
Principal  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR, CHENNAI - 602 024



## JAYA ENGINEERING COLLEGE

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

THIRUNINRAVUR - 602024, THIRUVALLUR DIST. TAMIL NADU

Website: [www.jec.ac.in](http://www.jec.ac.in),

Email: [info@jec.ac.in](mailto:info@jec.ac.in)

DATE: 10-07-2019

To,  
The Head of the Department  
Department of Computer Applications  
Jaya Engineering College  
Thiruninravur -602024.

Madam,

Assigning faculty for the design and development of curriculum for certification course - Digital Marketing for the academic year 2019-2020 - reg

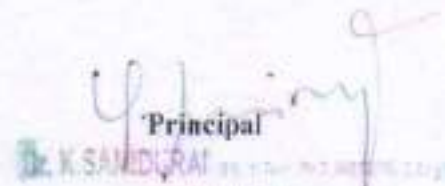
I appreciate the department for taking initiative to conduct such a kind of programme. As per your recommendation and importance of the course, I am pleased to nominate the following faculty members to design the curriculum for certification course - Digital Marketing.

1. Mr.U.Gunaseelan / Asst.Prof. / MCA
2. Ms.S.Sahira Begum / Asst.Prof. / MCA

The above faculties are instructed to design the curriculum taking into consideration the important topics and concepts of respective field and ensure it should enhance the employability of respective field and ensure it should enhance and enrich the employability opportunities of the students.

  
PRINCIPAL  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR CHENNAI - 602 024



  
Principal  
K.SANDURAI  
PRINCIPAL  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR CHENNAI - 602 024





# JAYA ENGINEERING COLLEGE

(Affiliated to Anna University, Chennai and Approved by AICTE, New Delhi)  
THIRUNINRAVUR – 602024, THIRUVALLUR DIST. TAMIL NADU  
Website: [www.jec.ac.in](http://www.jec.ac.in), Email: [info@jec.ac.in](mailto:info@jec.ac.in)

## DEPARTMENT OF COMPUTER APPLICATIONS

ACADEMIC YEAR 2019-2020

### Syllabus for Certification Course on "MCA1905- Digital Marketing"

Prepared by:

Mr.U.Gunaseelan / Asst.Prof. / MCA &

Ms.S.Sahira Begum / Asst.Prof. / MCA

S.No.	TOPICS COVERED	DURATION
1	Introduction , Introduction to Social Media	2 Hrs 30 Min
2	Social Media Strategy and Planning , Converged Social Media	2 Hrs 30 Min
3	Building a Sustainable Social Media Strategy	2 Hrs 30 Min
4	Social Media Channel Management	2 Hrs 30 Min
5	Social Media Management Tools	2 Hrs 30 Min
6	Social Media Measurement and Reporting	2 Hrs 30 Min
7	Social Advertising	2 Hrs 30 Min
8	Content Marketing in a Social Media World	2 Hrs 30 Min
9	Visual Social Media	2 Hrs 30 Min
10	Storytelling as an Essential Part of Your Social Narrative	2 Hrs 30 Min
11	Influencer Marketing and Online Reputation Management	2 Hrs 30 Min
12	Social Media Selling	2 Hrs 30 Min

Course Co-ordinator



JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR CHENNAI - 602024

HoD MCA

HEAD OF THE DEPARTMENT  
DEPT. OF COMPUTER APPLICATIONS  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR - 602024



**ANNA UNIVERSITY :: CHENNAI - 600 025**  
**OFFICE OF THE CONTROLLER OF EXAMINATIONS**

Examiner for Central Valuation

25 May 2019

**From**

**The Zonal Coordinator**  
Anna University  
Chennai 25.

**To**

**Thiru. S M MURUGESAN (Faculty Code:1108078)**  
JAYA ENGINEERING COLLEGE (1108)

Sir,

Sub: Central Valuation - Zone 1 Confidential work-Reg.

\*\*\*\*\*

I am by direction pleased to appoint you as the Examiner for Central Valuation at **VELAMMAL ENGINEERING COLLEGE ( 1132 )** from **27 May 2019 to 31 May 2019**. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

Board :

- 1) 402 - Mechanical Engineering

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sd/-

**Zonal Coordinator**

  
**PRINCIPAL**  
**JAYA ENGINEERING COLLEGE**  
**THIRUMINRAVUR, CHENNAI - 602**





ANNA UNIVERSITY :: CHENNAI - 600 025  
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner for Central Valuation

12 July 2021

From

The Zonal Coordinator

Anna University

Chennai 25.

To

Dr. RAJENDRAN (Faculty Code:1108187)

JAYA ENGINEERING COLLEGE (1108)

Sir,

Sub: Central Valuation - Zone 1 Confidential work-Reg.

\*\*\*\*\*

I am by direction pleased to appoint you as the Examiner for Central Valuation at S.A. ENGINEERING COLLEGE (1119) from 14 July 2021 to 17 July 2021. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

Board :

- 1) 302 - Mechanical Engineering
- 2) 402 - Mechanical Engineering

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sd/-

Zonal Coordinator

  
PRINCIPAL  
JAYA ENGINEERING COLLEGE  
THIRUMOTRAVUR, CHENNAI-602



**ANNA UNIVERSITY :: CHENNAI - 600 025**  
**OFFICE OF THE CONTROLLER OF EXAMINATIONS**

Examiner for Central Valuation

22 July 2021

**From**

**The Zonal Coordinator**  
Anna University  
Chennai 25.

**To**

**Thiru. GANESAN K (Faculty Code:1108076)**  
**JAYA ENGINEERING COLLEGE (1108)**

Sir,

Sub: Central Valuation - Zone-1 Confidential work-Reg.

\*\*\*\*\*

I am by direction pleased to appoint you as the Examiner for Central Valuation at **S.A. ENGINEERING COLLEGE (1119)** from **23 July 2021 to 27 July 2021**. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

Board :

1) 402 - Mechanical Engineering

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

  
Principal  
JAYA ENGINEERING COLLEGE  
MIRALPUR, CHENNAI-602

yours sincerely,

- sd/-

**Zonal Coordinator**





ANNA UNIVERSITY :: CHENNAI - 600 025  
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner for Central Valuation

12 July 2021

From

The Zonal Coordinator  
Anna University  
Chennai 25.

To

Thiru. PARAMA GURU T (Faculty Code:1108116)  
JAYA ENGINEERING COLLEGE (1108)

Sir,

Sub: Central Valuation - Zone 1 Confidential work-Reg.

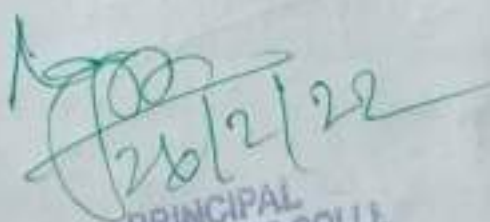
\*\*\*\*\*

I am by direction pleased to appoint you as the Examiner for Central Valuation at S.A. ENGINEERING COLLEGE (1119) from 14 July 2021 to 17 July 2021. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

Board :

- 1) 302 - Mechanical Engineering
- 2) 402 - Mechanical Engineering
- 3) 414 - TQM and Professional Ethics

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

  
28/7/22  
PRINCIPAL  
JAYA ENGINEERING COLLEGE  
THIRUTHURUTHI, CHENNAI-602

yours sincerely,

- sd/-

Zonal Coordinator



ANNA UNIVERSITY :: CHENNAI - 600 025  
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Examiner for Central Valuation

22 July 2021

From

The Zonal Coordinator  
Anna University  
Chennai 25.

To

Thiru. KASILINGAM (Faculty Code:1108219)  
JAYA ENGINEERING COLLEGE (1108)

Sir,

Sub: Central Valuation - Zone 1 Confidential work-Reg.

I am by direction pleased to appoint you as the Examiner for Central Valuation at S.A. ENGINEERING COLLEGE (1119) from 23 July 2021 to 27 July 2021. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

Board :

- 1) 302 - Mechanical Engineering
- 2) 402 - Mechanical Engineering

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sd/-

Zonal Coordinator

PRINCIPAL  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR CHENNAI-602





**ANNA UNIVERSITY :: CHENNAI - 600 025**  
**OFFICE OF THE CONTROLLER OF EXAMINATIONS**

Examiner for Central Valuation

22 July 2021

**From**

**The Zonal Coordinator**  
Anna University  
Chennai 25.

**To**

**Thiru. S M MURUGESAN (Faculty Code:1108078)**  
**JAYA ENGINEERING COLLEGE (1108)**

Sir,

Sub: Central Valuation - Zone 1 Confidential work-Reg.

\*\*\*\*\*

I am by direction pleased to appoint you as the Examiner for Central Valuation at **S.A. ENGINEERING COLLEGE (1119)** from **23 July 2021 to 27 July 2021**. You are requested to report to the Camp Officer at 8.30 A.M. during the days of central valuation at the above venue. The duties and responsibilities of the Examiner are enclosed herewith for your ready reference and strict adherence. You are eligible to claim remuneration and allowances as per the norms.

Board :

- 1) 302 - Mechanical Engineering
- 2) 402 - Mechanical Engineering

The above orders have to be kept confidential. I seek your kind cooperation for the successful completion of the Central Valuation.

yours sincerely,

- sdi/-

**Zonal Coordinator**

*(Handwritten signature and date 22/7/21)*  
**PRINCIPAL**  
**JAYA ENGINEERING COLLEGE**  
**VIRUDHACHARI, CHENNAI-600 025**



**ANNA UNIVERSITY :: CHENNAI - 600 025**  
**OFFICE OF THE CONTROLLER OF EXAMINATIONS**

**Appointment Order - External Examiner**

30 December 2021

**From**

The Zonal Coordinator  
Anna University  
Chennai 25.

**To**

Dr. RAJENDRAN (Faculty Code:1108187)  
JAYA ENGINEERING COLLEGE (1108)

Through the Principal

Sir,

Sub: Appointment of External Examiners for Practical/Project  
Viva-voce Examinations Nov. / Dec. Examination, 2021 - Reg.

\*\*\*\*\*

Based on the information received from the Principal of the College where you are presently working, I wish to inform that you are appointed as External Examiner to conduct the Practical/Project Viva-voce Examinations Nov. / Dec. Examination, 2021 as per the details given below.

S.No.	Reporting College (with code) / Internal Name	Degree, Branch & University	Name of the Practical Subject with code	Date	Time	Number of candidates appearing (approx.)
1	1138 - SRI JAYARAM INSTITUTE OF ENGINEERING AND TECHNOLOGY SUDHAN D Ph: 9790679281	114 - B.E. Mechanical Engineering - AUC	ME5512 - Thermal Engineering Laboratory	04-01-2022	09:30 AM	14
2	1127 - ST. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY SATHYAMOORTHY D Ph: 3486809490	114 - B.E. Mechanical Engineering - AUC	ME5711 - Simulation and Analysis Laboratory	05-01-2022	09:00 AM	25

You are requested to attend the above examination-duties without fail. In case of any exigencies, if you are not in a position to accept the above offer, you are requested to inform the same to the zonal office immediately through the Principal of your college stating the reasons.

One of the question paper has to be selected from the set of question paper provided by the office of the controller of examinations. In case, if it is not provided then the question paper has to be set jointly by the internal and the external examiners. After the examination, the principal has to arrange for entering the marks in the web portal by the external examiner. The following documents shall be handed over to the Principal of the college immediately after the conduct of the practical examination.

- The attendance sheet.
- A copy of the mark statement signed by the internal and external examiners.

Allowances to incidental expenses and remuneration for conducting practical examinations will be paid by the Principal of the respective college on the last day of the examination as per the approved rates. Necessary claim forms are available with the Principal.

You are requested to keep the order and subsequently the marks awarded to the candidates strictly confidential. Your kind cooperation is requested in this regard.

Zonal Office Name: 11/AONE1, Chennai-2  
Phone No: 22357255/7256  
Email ID: auctone1@gmail.com

Yours Faithfully,  
Zonal coordinator

30-12-2021

Anna University - Chennai





**ANNA UNIVERSITY :: CHENNAI - 600 025**  
**OFFICE OF THE CONTROLLER OF EXAMINATIONS**

**Appointment Order - External Examiner**

25 March 2021

**From**

The Zonal Coordinator  
 Anna University  
 Chennai 25.

**To**

Thiru. PARAMA GURU T (Faculty Code:1108116)  
 JAYA ENGINEERING COLLEGE (1108)

Through the Principal

Sir,

Sub: Appointment of External Examiners for Practical/Project  
 Viva-voce Examinations April / May Examination, 2021 - Reg.

\*\*\*\*\*

Based on the information received from the Principal of the College where you are presently working, I wish to inform that you are appointed as External Examiner to conduct the Practical/Project Viva-voce Examinations April / May Examination, 2021 as per the details given below.

S.No.	Reporting College (with code) / Internal Name	Degree, Branch & University	Name of the Practical Subject with code	Date	Time	Number of candidates appearing (approx.)
1	1130 - VEL TECH HIGH TECH DR.RANGARAJAN DR.SAKUNTHALA ENGINEERING COLLEGE MARIYAPPAN Ph:9965166336	114 - B.E. Mechanical Engineering - AUC	ME8711 - Simulation and Analysis Laboratory	29-03-2021	09:00 AM	24
2	1130 - VEL TECH HIGH TECH DR.RANGARAJAN DR.SAKUNTHALA ENGINEERING COLLEGE MARIYAPPAN Ph:9965166336	114 - B.E. Mechanical Engineering - AUC	ME8711 - Simulation and Analysis Laboratory	29-03-2021	13:00 PM	24
3	1130 - VEL TECH HIGH TECH DR.RANGARAJAN DR.SAKUNTHALA ENGINEERING COLLEGE MARIYAPPAN Ph:9965166336	114 - B.E. Mechanical Engineering - AUC	ME8711 - Simulation and Analysis Laboratory	30-03-2021	09:00 AM	21
4	1130 - VEL TECH HIGH TECH DR.RANGARAJAN DR.SAKUNTHALA ENGINEERING COLLEGE MARIYAPPAN Ph:9965166336	114 - B.E. Mechanical Engineering - AUC	ME8711 - Simulation and Analysis Laboratory	30-03-2021	13:00 PM	21

You are requested to attend the above examination-duties without fail. In case of any exigencies, if you are not in a position to accept the above offer, you are requested to inform the same to the zonal office immediately through the Principal of your college stating the reasons.

One of the question paper has to be selected from the set of question paper provided by the office of the controller of examinations. In case, if it is not provided then the question paper has to be set jointly by the internal and the external examiners. After the examination, the principal has to arrange for entering the marks in the web portal by the external examiner. The following documents shall be handed over to the Principal of the college immediately after the conduct of the practical examination.

i. The attendance sheet.

ii. A copy of the mark statement signed by the internal and external examiners.

Allowances to incidental expenses and remuneration for conducting practical examinations will be paid by the Principal

**PRINCIPAL**  
**JAYA ENGINEERING COLLEGE**  
 THIRUNIVARUR CHENNAI - 602 024.

25-03-2021



**ANNA UNIVERSITY :: CHENNAI - 600 025**  
**OFFICE OF THE CONTROLLER OF EXAMINATIONS**

**Appointment Order - External Examiner**

30 December 2021

**From**

The Zonal Coordinator  
Anna University  
Chennai 25.

**To**

Thiru. GANESAN K (Faculty Code:1108076)  
JAYA ENGINEERING COLLEGE (1108)

Through the Principal

Sir,

Sub: Appointment of External Examiners for Practical/Project  
Viva-voce Examinations Nov. / Dec. Examination, 2021 - Reg.

\*\*\*\*\*

Based on the information received from the Principal of the College where you are presently working, I wish to inform that you are appointed as External Examiner to conduct the Practical/Project Viva-voce Examinations Nov. / Dec. Examination, 2021 as per the details given below.

S.No.	Reporting College (with code) / Internal Name	Degree, Branch & University	Name of the Practical Subject with code	Date	Time	Number of candidates appearing (approx.)
1	1126 - SRIRAM ENGINEERING COLLEGE SUGANYA G Ph.:7401326610	114 - B.E. Mechanical Engineering - AUC	ME8781 - Mechatronics Laboratory	03-01-2022	09:00 AM	20

You are requested to attend the above examination-duties without fail. In case of any exigencies, if you are not in a position to accept the above offer, you are requested to inform the same to the zonal office immediately through the Principal of your college stating the reasons.

One of the question paper has to be selected from the set of question paper provided by the office of the controller of examinations. In case, if it is not provided then the question paper has to be set jointly by the internal and the external examiners. After the examination, the principal has to arrange for entering the marks in the web portal by the external examiner. The following documents shall be handed over to the Principal of the college immediately after the conduct of the practical examination.

- The attendance sheet.
- A copy of the mark statement signed by the internal and external examiners.

Allowances to incidental expenses and remuneration for conducting practical examinations will be paid by the Principal of the respective college on the last day of the examination as per the approved rates. Necessary claim forms are available with the Principal.

You are requested to keep the order and subsequently the marks awarded to the candidates strictly confidential. Your kind cooperation is requested in this regard.

Yours Faithfully,  
Zonal Coordinator

PRINCIPAL  
JAYA ENGINEERING COLLEGE  
THIRUNINRAVUR CHENNAI - 602 024

30-12-2021

Anna University - C.O.E





**ANNA UNIVERSITY :: CHENNAI - 600 025**  
**OFFICE OF THE CONTROLLER OF EXAMINATIONS**

**Appointment Order - External Examiner**

30 December 2021

**From**

The Zonal Coordinator  
Anna University  
Chennai 25.

**To**

Thiru. S M MURUGESAN (Faculty Code:1108078)  
JAYA ENGINEERING COLLEGE (1108)

Through the Principal

Sir,

Sub: Appointment of External Examiners for Practical/Project  
Viva-voce Examinations Nov. / Dec. Examination, 2021 - Reg.

\*\*\*\*\*

Based on the information received from the Principal of the College where you are presently working, I wish to inform that you are appointed as External Examiner to conduct the Practical/Project Viva-voce Examinations Nov. / Dec. Examination, 2021 as per the details given below.

S.No.	Reporting College (with code) / Internal Name	Degree, Branch & University	Name of the Practical Subject with code	Date	Time	Number of candidates appearing (approx.)
1	1123 - SRI KRISHNA COLLEGE OF ENGINEERING SHANTHOSH KUMAR V Ph: 8220803810	114 - B.E. Mechanical Engineering - AUC	ME6512 - Thermal Engineering Laboratory	03-01-2022	09:00 AM	21

You are requested to attend the above examination-duties without fail. In case of any exigencies, if you are not in a position to accept the above offer, you are requested to inform the same to the zonal office immediately through the Principal of your college stating the reasons.

One of the question paper has to be selected from the set of question paper provided by the office of the controller of examinations. In case, if it is not provided then the question paper has to be set jointly by the internal and the external examiners. After the examination, the principal has to arrange for entering the marks in the web portal by the external examiner. The following documents shall be handed over to the Principal of the college immediately after the conduct of the practical examination.

- The attendance sheet.
- A copy of the mark statement signed by the internal and external examiners.

Allowances to incidental expenses and remuneration for conducting practical examinations will be paid by the Principal of the respective college on the last day of the examination as per the approved rates. Necessary claim forms are available with the Principal.

You are requested to keep the order and subsequently the marks awarded to the candidates strictly confidential. Your kind cooperation is requested in this regard.

  
PRINCIPAL

**JAYA ENGINEERING COLLEGE**  
V. JAYARAMAN ROAD, CHENNAI - 600 024

Yours Faithfully,  
Zonal Coordinator



**ANNA UNIVERSITY :: CHENNAI - 600 025**  
**OFFICE OF THE CONTROLLER OF EXAMINATIONS**  
**Appointment Order - External Examiner**

31 December 2021

**From**

**The Zonal Coordinator**  
 Anna University  
 Chennai 25.

**To**

**Thiru. KASILINGAM (Faculty Code:1108219)**  
**JAYA ENGINEERING COLLEGE (1108)**

Through the Principal

Sir,

**Sub: Appointment of External Examiners for Practical/Project**  
**Viva-voce Examinations Nov. / Dec. Examination, 2021 - Reg.**

\*\*\*\*\*

Based on the information received from the Principal of the College where you are presently working, I wish to inform that you are appointed as External Examiner to conduct the Practical/Project Viva-voce Examinations Nov. / Dec. Examination, 2021 as per the details given below.

S.No.	Reporting College (with code) / Internal Name	Degree, Branch & University	Name of the Practical Subject with code	Date	Time	Number of candidates appearing (approx.)
1	1114 - PRATHYUSHA ENGINEERING COLLEGE MEGANATHAN Ph.:8144509564	114 - B.E. Mechanical Engineering - AUC	ME8711 - Simulation and Analysis Laboratory	05-01-2022	09:00 AM	25
2	1114 - PRATHYUSHA ENGINEERING COLLEGE MEGANATHAN Ph.:8144509564	114 - B.E. Mechanical Engineering - AUC	ME8711 - Simulation and Analysis Laboratory	05-01-2022	13:00 PM	25
3	1123 - SRI KRISHNA COLLEGE OF ENGINEERING BALAJI L Ph.:9566716364	114 - B.E. Mechanical Engineering - AUC	ME8711 - Simulation and Analysis Laboratory	06-01-2022	09:00 AM	15

You are requested to attend the above examination-duties without fail. In case of any exigencies, if you are not in a position to accept the above offer, you are requested to inform the same to the zonal office **immediately** through the Principal of your college stating the reasons.

One of the question paper has to be selected from the set of question paper provided by the office of the controller of examinations. In case, if it is not provided then the question paper has to be set jointly by the internal and the external examiners. After the examination, the principal has to arrange for entering the marks in the web portal by the external examiner. The following documents shall be handed over to the Principal of the college immediately after the conduct of the practical examination.

- The attendance sheet.
- A copy of the mark statement signed by the internal and external examiners.

Allowances to incidental expenses and remuneration for conducting practical examinations will be paid by the Principal of the respective college on the last day of the examination as per the approved rates. Necessary claim forms are available with the Principal.

**PRINCIPAL**  
**JAYA ENGINEERING COLLEGE**  
**THIRUNNRAVAR CHENNAI - 600 024.**

----- You are requested to keep the order and subsequently the marks awarded to the candidates strictly confidential: Your kind cooperation is requested in this regard.

Zonal Coordinator, 11/ZONE1, Chennai  
 Phone No. 03107256726  
 Email ID: zonalco@annauniv.edu