



DTE INST. CODE - EN6803

Sant Gajanan Maharaj Rural Hospital & Research Centre's
**SANT GAJANAN MAHARAJ COLLEGE
OF ENGINEERING, MAHAGAON.**

Approved by AICTE, DTE, Govt. of Maharashtra, Affiliated to Shivaji University

AICTE F. No. Western/2012/1-773520091, Gov. No. TEM 2012/PK98/(03) Tech. 4

Site Chinchewadi, Gadhinglaj-Halkarni Road, Tal. Gadhinglaj, Dist. Kolhapur 416 503 (MH)

Mob. 9922892160 / 8669706003, Telefax -(02327) 275581

Adv. Annasaheb D. Chavan (Founder Chairman)

○ Accredited by NAAC with 'B++' Grade

○ An ISO 9001 : 2015 CERTIFIED INSTITUTE

Ref. No. : SGMCE/2020-21/214

Date : 16 / 02 / 2021

To,

Dr.A. M. Mulla.

Member of BOS,

Department of Electrical Engineering

Shivaji University Kolhapur.

Subject: - Invitation for one day workshop on "New revised syllabus for T.Y. B.Tech. Electrical Engineering" on 20th Feb 2021.

Respected Sir,

As per above mentioned subject SGMCOE is going to organize a **One Day online Workshop on "New revised syllabus for T.Y. B.Tech. Electrical Engineering" on 20th Feb 2021.** on behalf of Shivaji University Kolhapur.

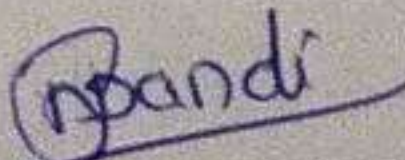
During this workshop the content of syllabus will be discussed with faculty from various affiliated institutes.

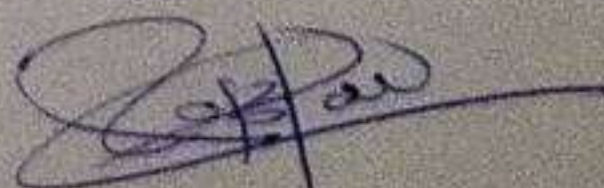
In this workshop following points will be discussed

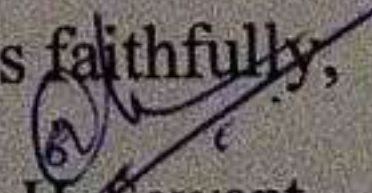
1. Detailed discussion of revised C.B.C.S pattern syllabus
2. Discussion about the course objectives and course outcomes
3. Question paper pattern to be adopted in the end semester examination.
4. List of reference books and text books.

So it's our honor to invite you as a Resource-Person for this one day workshop. Your guidance is valuable for us.

Thanking you,


Prof. Bandi M. A
Co-ordinator


Prof. Patil M. B.
Head Dept. of Electrical Engg

Yours faithfully,

Dr. S. H. Sawant
Principal





Accredited by NAAC with B++
ISO 9001:2015 Certified Institute

Sant Gajanan Maharaj College of Engineering, Mahagaon

Site:-Chinchewadi, Tal: Gadhinglaj, Dist: Kolhapur



DEPARTMENT OF ELECTRICAL ENGINEERING

One day online workshop on
“*New revised syllabus for T.Y. B.Tech. Electrical Engineering
on 20th Feb 2021*”

Schedule

Sr. No.	Event	Time
01	Welcome speech by HOD	11.45 AM to 11.55 AM
02	Key note address by <ul style="list-style-type: none">Hon. Principal Dr. S. H. SawantHon. BOS Dr. R. P. HasabeHon. BOS Dr. A. I. MullaHon. BOS Dr. D. S. MoreHon. Chairman BOS Dr. P. M. Joshi.	11.55 AM to 12.00 PM 12.00 PM to 12.10 PM 12.10 PM to 12.20 PM 12.20 PM to 12.30 PM 12.30 PM to 12.40 PM
03	Discussion on Revised syllabus, CO's & PO's	12.40 PM to 01.40 PM
Short Break		01.40 PM to 1.50 PM
04	Discussion on teaching aids & Question paper	01.50 PM to 2.35 PM
05	Concluding Discussion	02.35 PM to 2.45 PM
06	Vote of thanks by Prof. M. A. Bandi	02.45 PM to 02.55 PM

Venue: Online through Microsoft Teams app.

Prof. M. A. Bandi

Coordinator

Prof. M. B. Patil

Head Dept. of Electrical Engg.

Dr. S. H. Sawant

Principal





Estd. 1962
NAAC 'A' Grade

SHIVAJI UNIVERISTY, KOLHAPUR-416 004. MAHARASHTRA
PHONE : EPABX-2609000 GRAM : UNISHIVAJI
FAX 0091-0231-2691533 & 0091-0231-2692333 – BOS - 2609094

शिवाजी विद्यापीठ, कोल्हापूर - ४१६ ००४.

दुरध्वनी : (ईपीएबीएक्स) २६०९००० (अभ्यास मंडळे विभाग- २६०९०९४) तार : युनिशिवाजी
फॅक्स : ००९१-०२३१-२६९१५३३ व २६९२३३३. e-mail:bos@unishivaji.ac.in

MEETING NOTICE

A meeting of the Board of Studies in **Electrical Engineering** and Technology is convened on 11-07-2019 at 12.30 p.m. in the Annex Building Shivaji University, Kolhapur.

The members are requested to attend the meeting.

Vidyanagar,
Kolhapur - 416 004.
No. SU/BOS/Science & Tech./ 6853
Date : 05/07/2019
To,

By Order,

Dy. Registrar

The Members of the BOS in Electrical Engineering and Technology.

1)	Dr.P.M.Joshi (Chairman)	Karad
2)	Dr.R.P.Hasbe	Sangli
3)	Dr.A.M.Mulla	Karad
4)	Dr.D.S.More	Sangli
5)	Dr.A.P.Vaidya	Sangli
6)	Dr.N.G.Savgave	Ashta

Important Note:-

As per 68 (2)	If a person nominated, elected, appointed or co-opted to any authority or body remains absent without prior permission of the authority or body for three consecutive meetings, he shall be deemed to have vacated his membership and he shall cease to be a member from the date of the third such meeting in which he has remained absent: Provided that, such member should have attended at least one meeting in the previous year.
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As per 0.111 (2) When a member travels by own car or hired vehicle, is required to take (written) prior permission of the Hon'ble Vice-Chancellor and should also produce the toll receipts along with the T.A. Bill for the journey undertaken on the toll route.

Copy to:-

Appointment Section	5)	Accounts Section (TA/DA) BH : A.51.P.18
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For Information & n.a.if any
P.T.O.- Agenda

इलेक्ट्रीकल इंजिनिअरिंग अभ्यास मंडळ

दि.:- 11. 07. 2019

- [1] दि.14.01.2019 रोजी झालेल्या इलेक्ट्रीकल इंजिनिअरिंग अभ्यास मंडळाच्या बैठकीचा कार्यवृत्तांत वाचून कायम करणे व त्यावर मा.अध्यक्षांची स्वाक्षरी घेणेबाबत विचारार्थ.
- [2] शैक्षणिक वर्ष 2019-20 पासून सीबीसीएस नुसार लागू करावयाचे T.E. (Sem. V& VI) अभ्यासक्रमाबाबत विषय विचारार्थ.
- [3] शैक्षणिक वर्ष 2020-21 पासून लागू करावयाचे एम. फिल./पी.एच.डी. कोर्सवर्क चा अभ्यासक्रम तयार करण्याबाबतचा विषय विचारार्थ.
- [4] महाराष्ट्र सार्वजनिक विद्यापीठ कायदा कलम 41 (f) नुसार परीक्षेच्या कामकाजासाठी परीक्षकांचे नामिका (पॅनेल) मध्ये अधिकची नावे समाविष्ट करणे, नावे कमी करणे व दुरुस्त करणे (Addition/Deletion/Correction) साठी विचारार्थ
- [5] एम. फिल./पी.एच.डी.प्रवेश परीक्षेचा चा अभ्यासक्रम तयार करण्याबाबतचा विषय विचारार्थ.
- [6] मा.अध्यक्षांच्या परवानगीने येणारे आयत्यावेळचे विषय.

अध्यक्ष



शिवाजी विद्यापीठ, कोल्हापूर
SHIVAJI UNIVERSITY, KOLHAPUR
Estd-1962 - recognized by UGC U/s 2(f) and 12 (B)
NAAC "A++" Grade with CGPA 3.52

CONFIDENTIAL

Ref.No. SUK/APPT/3477

Order No. Oct./Nov-2023/4211

Date: 18-September-2023

To

Teacher Name **Dr/Prof/Mr/Mrs Ms. V.D. APSHINGE**
Email **vdapshinge.bsh@dacoe.ac.in**
Course Name **B.Tech. CBCS**
Subject Code **73197_ Descriptive**
Subject Name **Engineering Maths - III**

Mobile No **9730945410**

Dear Sir/Madam

I am directed to appoint you as **Paper Setter/Subject Expert** for the above mentioned subject(s) for the theory Examination **Oct-Nov.2023 Examination**. You are requested to prepare Three sets of Question Papers. Paper setting should be based on the syllabus in force. It should cover the entire syllabus. Paper pattern and scheme of marking accepted by authorities must be observed. Utmost care should be taken to avoid out of syllabus questions. Correct instructions to solve the question paper should be given at the top of the paper. Heading and titles of the paper should be as per approved syllabus. The confidentiality of the question paper should be strictly followed.

This appointment is made under section 48(3)(4) of Maharashtra Public Universities Act 2016 and on the following assumptions :-

- 1) You are not qualified to be a Paper Chairman / Paper-setter/Moderator/Examiner -
 - i) If your relative has appeared for the same concerned examination (Father, mother, wife, husband, son, daughter, grandson, grand-daughter, brother, sister, nephew, niece, uncle, aunt, first cousin, son-in-law, daughter-in-law, brother-in-law and sister-in-law.) (N.B. : Son, daughter, brother, sister will be understood to include also step-son, step-daughter, step-brother or step-sister as the case may be.)
 - ii) If you are conducting private tuition for the students for any examination.
 - iii) If you are a student appearing for the same concerned examination.
 - iv) If you have written guides, annotations, solved examples of the same examination.
- 2) This appointment is made under Section 48(3)(4) of M.P.U. Act., 2016 and it is compulsory. You are requested to communicate your acceptance immediately click => https://sukapps.unishivaji.ac.in/srpd_api/order-acceptance.aspx to report your acceptance. **Non acceptance of this order will be treated as misconduct as per section 48(4) of M.P.U. Act., 2016.** Kindly send your acceptance immediately to the office and to the concerned Chairperson.
- 3) Mode of paper setting & Venue of Meeting: **In Person- Annex. Bld. Shivaji University Kolhapur**
Date Of Meeting/Last Date of Set Submission: **25-09-2023**

Mr. Nivas S. Mane
Dy. Registrar (Appointment)
Shivaji University, Kolhapur

CC. Principal/ Director - Respective College/Institute- Requested to relieve concerned staff for said examination work

Expert Name	Contact no	Email	Role
Prof. Ms.M.R.Naik	9665436996	mayuri.naik@jjmcoe.ac.in	Chairman

(in case of any query regarding appointment plz. Contact 0231 2609102 / 9103)



शिवाजी विद्यापीठ, कोल्हापूर SHIVAJI UNIVERSITY, KOLHAPUR

Estd-1962 - recognized by UGC U/s 2(f) and 12 (B)

NAAC "A++" Grade with CGPA 3.52

Ref No. SUK/APPT/MAR-2022/15172.

CONFIDENTIAL

ORDER No.: Mar-2022/15239

Date: 13/07/2022 10:55:21 am

To

Dr / Prof Ms. V.D. APSHINGE Ms. V.D. APSHINGE

Email:- vdapshinge.bsh@dacoe.ac.in

Mobile No:- 9730945410

Course Name and Subject Code :- B.Tech-Engineering Mathematics III-73197

Dear Sir/Madam,

I am directed to appoint you as PAPER SETTER for the above mentioned subject(s) for the Offline MCQ theory Examination - Mar 2022 to be held in July 22.

You are requested to prepare Three sets of Question Paper. Each set of 25 MCQ Questions carries 2 marks out of 50 total marks on the syllabus as defined by the University.

Your are requested to go through the training demo available on <https://youtu.be/-5d9G03TAvY> link.

User Name is :- vdapshinge.bsh@dacoe.ac.in And

Password is:- 245649

Technical Helpline Number: : 8980012714



sachin chavan <sachinc023@gmail.com>

Appoint you as PAPER SETTER

1 message

Shivaji University - Exam Alert <info@brainzorg.com>

Wed, Jul 13, 2022 at 10:58 AM

To: "Mr. Chavan Sachin B. Mr. Chavan Sachin B." <sachinc023@gmail.com>

**शिवाजी विद्यापीठ, कोल्हापूर**
SHIVAJI UNIVERSITY, KOLHAPUR

Estd-1962 - recognized by UGC U/s 2(f) and 12 (B)

NAAC "A++" Grade with CGPA 3.52

Ref No. SUK/APPT/MAR-2022/15318.

CONFIDENTIAL

ORDER No.: Mar-2022/15385

Date: 13/07/2022 10:56:45 am

To

Dr / Prof Mr. Chavan Sachin B. Mr. Chavan Sachin B.

Email:- sachinc023@gmail.com

Mobile No:- 7709062249

Course Name and Subject Code :- B.Tech-Applied Mathematics-73276

Dear Sir/Madam,

I am directed to appoint you as PAPER SETTER for the above mentioned subject(s) for the Offline MCQ theory Examination - Mar 2022 to be held in July 22.

You are requested to prepare Three sets of Question Paper. Each set of 25 MCQ Questions carries 2 marks out of 50 total marks on the syllabus as defined by the University.

Your are requested to go through the training demo available on <https://youtu.be/-5d9G03TAvY> link.

User Name is :- sachinc023@gmail.com And

Password is:- 294460



शिवाजी विद्यापीठ, कोल्हापूर
SHIVAJI UNIVERSITY, KOLHAPUR
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NAAC "A++" Grade with CGPA 3.52

CONFIDENTIAL

Ref No. SUK/APPT/3706

Order No. Oct./Nov-2023/4279

To

Date : 20-September-2023

Teacher Name **Dr/Prof/Mr/Mrs Prof. Mandake P. D**
Email **pradnyadmandake@gmail.com**
Course Name **B.Tech. CBCS**
Subject Code **71817 _ Descriptive**
Subject Name **Engineering Chemistry**

Mobile No **8007663910**

Dear Sir/Madam

I am directed to appoint you as **Paper Setter/Subject Expert** for the above mentioned subject(s) for the theory Examination **Oct-Nov.2023 Examination**. You are requested to prepare Three sets of Question Papers. Paper setting should be based on the syllabus in force. It should cover the entire syllabus. Paper pattern and scheme of marking accepted by authorities must be observed. Utmost care should be taken to avoid out of syllabus questions. Correct instructions to solve the question paper should be given at the top of the paper. Heading and titles of the paper should be as per approved syllabus. The confidentiality of the question paper should be strictly followed.

This appointment is made under section 48(3)(4) of Maharashtra Public Universities Act 2016 and on the following assumptions :-

- 1) You are not qualified to be a Paper Chairman / Paper-setter/Moderator/Examiner -
 - i) If your relative has appeared for the same concerned examination (Father, mother, wife, husband, son, daughter, grandson, grand-daughter, brother, sister, nephew, niece, uncle, aunt, first cousin, son-in-law, daughter-in-law, brother-in-law and sister-in-law.) (N.B. : Son, daughter, brother, sister will be understood to include also step-son, step-daughter, step-brother or step-sister as the case may be.)
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 - iii) If you are a student appearing for the same concerned examination.
 - iv) If you have written guides, annotations, solved examples of the same examination.
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- 3) Mode of paper setting & Venue of Meeting: **In Person- Annex. Bld. Shivaji University Kolhapur**
Date Of Meeting/Last Date of Set Submission: **25-09-2023**

Mr. Nivas S. Mane
Dy. Registrar (Appointment)
Shivaji University, Kolhapur

CC. Principal/ Director - Respective College/Institute- Requested to relieve concerned staff for said examination work

Expert Name	Contact no	Email	Role
Prof. P. P. Patil	9552544731	prashant.patil@jjmcoe.ac.in	Chairman

(in case of any query regarding appointment plz. Contact 0231 2609102 / 9103)

Confidential Appointment order from Shivaji University as Evaluator

1 message

18 March 2023 at 10:51

Shivaji University - Exam Alert <info@brainzorg.com>
To: "Prof. Mandake P. D." <pradnyadmandake@gmail.com>



शिवाजी विद्यापीठ, कोल्हापूर SHIVAJI UNIVERSITY, KOLHAPUR

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Helpline number: 02312609317

Ref No. SUK/APPT/Shri Nitin/OCT-2022.

CONFIDENTIAL

ORDER No.: OCT-2022/12624

Date: 23/03/18 10:48:10

To

Dr / Prof Prof. Mandake P. D.

Email:- pradnyadmandake@gmail.com

Mobile No:- 8007663910

Course Name and Subject Code :- B.Tech CBCS

Subject Code :- 71817

Subject Name :- Engineering Chemistry

SUBJECT : Appointment As **Evaluator** for University Examination work as per provisions in Section 48(3)(4) of M.P.U. Act., 2016

Dear Sir/Madam,

I am directed to appoint you as **Evaluator** for the above mentioned subject(s) for the theory Examination OCT-NOV. 2022 EXAMINATION (WINTER SESSION).

This appointment is made under section 48(3)(4) of Maharashtra Public Universities Act 2016 and on the following assumptions :-

1. You are not qualified to be a Paper Chairman / Paper-setter/Moderator/Examiner -
 - I. If your relative has appeared for the same concerned examination (Father, mother, wife, husband, son, daughter, grandson, grand-daughter, brother, sister, nephew, niece, uncle, aunt, first cousin, son-in-law, daughter-in-law, brother-in-law and sister-in-law.) (N.B. : Son, daughter, brother, sister will be understood to include also step-son, step-daughter, step-brother or step-sister as the case may be.)
 - II. If you are conducting private tuition for the students for any examination.
 - III. If you are a student appearing for the same concerned examination.
 - IV. If you have written guides, annotations, solved example of the same examination.

Confidential Appointment order from Shivaji University as Evaluator

1 message

5 August 2023 at 16:38

Shivaji University - Exam Alert <info@brainzorg.com>
To: "Prof. Mandake P. D." <pradnyadmandake@gmail.com>



शिवाजी विद्यापीठ, कोल्हापूर
SHIVAJI UNIVERSITY, KOLHAPUR

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Helpline number: 02312609317

Ref No. SUK/APPT/Shri Nitin/March - 2023.

CONFIDENTIAL

ORDER No.: March - 2023/14056
Date: 23/08/05 04:35:23

To

Dr / Prof Prof. Mandake P. D.

Email:- pradnyadmandake@gmail.com

Mobile No:- 8007663910

Course Name and Subject Code :- March 2023 B.Tech CBCS

Subject Code :- 71817

Subject Name :- Engineering Chemistry

SUBJECT : Appointment As **Evaluator** for University Examination work as per provisions in Section 48(3)(4) of M.P.U. Act., 2016

Dear Sir/Madam,

I am directed to appoint you as **Evaluator** for the above mentioned subject(s) for the theory SUMMER EXAMINATION March-2023.

This appointment is made under section 48(3)(4) of Maharashtra Public Universities Act 2016 and on the following assumptions :-

1. You are not qualified to be a Paper Chairman / Paper-setter/Moderator/Examiner -
 - I. If your relative has appeared for the same concerned examination (Father, mother, wife, husband, son, daughter, grandson, grand-daughter, brother, sister, nephew, niece, uncle, aunt, first cousin, son-in-law, daughter-in-law, brother-in-law and sister-in-law.) (N.B. : Son, daughter, brother, sister will be understood to include also step-son, step-daughter, step-brother or step-sister as the case may be.)
 - II. If you are conducting private tuition for the students for any examination.
 - III. If you are a student appearing for the same concerned examination.
 - IV. If you have written guides, annotations, solved example of the same examination.

Confidential Appointment order from Shivaji University as Evaluator

1 message

7 October 2023 at 15:13

Shivaji University - Exam Alert <info@brainzorg.com>
To: "Prof. Mandake P. D." <pradnyadmandake@gmail.com>



शिवाजी विद्यापीठ, कोल्हापूर
SHIVAJI UNIVERSITY, KOLHAPUR

Estd-1962 - recognized by UGC U/s 2(f) and 12 (B)
NAAC "A++" Grade with CGPA 3.52

Helpline number: 02312609317

Ref No. SUK/APPT/Shri Nitin/March - 2023.

CONFIDENTIAL

ORDER No.: March - 2023/14056
Date: 23/10/07 03:11:26

To

Dr / Prof Prof. Mandake P. D.

Email:- pradnyadmandake@gmail.com

Mobile No:- 8007663910

Course Name and Subject Code :- B.Tech CBCS Sup Exam March 2023

Subject Code :- 71817

Subject Name :- Engineering Chemistry

SUBJECT : Appointment As **Evaluator** for University Examination work as per provisions in Section 48(3)(4) of M.P.U. Act., 2016

Dear Sir/Madam,

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 - II. If you are conducting private tuition for the students for any examination.
 - III. If you are a student appearing for the same concerned examination.
 - IV. If you have written guides, annotations, solved example of the same examination.

Confidential Appointment order from Shivaji University as Evaluator

1 message

Shivaji University - Exam Alert <info@brainzorg.com>
To: "Ms.V.D. APSHINGE" <vdapshinge.bsh@dacoe.ac.in>

Wed, Jan 25, 2023 at 3:41 PM



शिवाजी विद्यापीठ, कोल्हापूर

SHIVAJI UNIVERSITY, KOLHAPUR

Estd-1962 - recognized by UGC U/s 2(f) and 12 (B)
NAAC "A++" Grade with CGPA 3.52

Helpline number: 02312609317

Ref No. SUK/APPT/Shri Nitin/OCT-2022.

CONFIDENTIAL

ORDER No.: OCT-2022/09020

Date: 23/01/25 03:40:55

To

Dr / Prof Ms.V.D. APSHINGE

Email:- vdapshinge.bsh@dacoe.ac.in

Mobile No:- 9730945410

Course Name and Subject Code :- B.Tech CBCS

Subject Code :- 73197

Subject Name :- Engineering Mathematics III

SUBJECT : Appointment As **Evaluator** for University Examination work as per provisions in Section 48(3)(4) of M.P.U. Act., 2016

Dear Sir/Madam,

I am directed to appoint you as **Evaluator** for the above mentioned subject(s) for the theory Examination OCT-NOV. 2022 EXAMINATION (WINTER SESSION).

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1. You are not qualified to be a Paper Chairman / Paper-setter/Moderator/Examiner -
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 - III. If you are a student appearing for the same concerned examination.
 - IV. If you have written guides, annotations, solved example of the same examination.

Confidential Appointment order from Shivaji University as Evaluator

3 messages

Sat, Oct 7, 2023 at 3:12 PM

Shivaji University - Exam Alert <info@brainzorg.com>
To: "Ms. V.D. APSHINGE" <vdapshinge.bsh@dacoe.ac.in>



शिवाजी विद्यापीठ, कोल्हापूर
SHIVAJI UNIVERSITY, KOLHAPUR

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NAAC "A++" Grade with CGPA 3.52

Helpline number: 02312609317

Ref No. SUK/APPT/Shri Nitin/March - 2023.

CONFIDENTIAL

ORDER No.: March - 2023/13973
Date: 23/10/07 03:11:15

To

Dr / Prof Ms. V.D. APSHINGE

Email:- vdapshinge.bsh@dacoe.ac.in

Mobile No:- 9730945410

Course Name and Subject Code :- B.Tech CECS Sup Exam March 2023

Subject Code :- 72500

Subject Name :- Engineering Mathematics II

SUBJECT : Appointment As **Evaluator** for University Examination work as per provisions in Section 48(3)(4) of M.P.U. Act., 2016

Dear Sir/Madam,

I am directed to appoint you as **Evaluator** for the above mentioned subject(s) for the theory SUMMER EXAMINATION March-2023.

This appointment is made under section 48(3)(4) of Maharashtra Public Universities Act 2016 and on the following assumptions :-

1. You are not qualified to be a Paper Chairman / Paper-setter/Moderator/Examiner -
 - I. If your relative has appeared for the same concerned examination (Father, mother, wife, husband, son, daughter, grandson, grand-daughter, brother, sister, nephew, niece, uncle, aunt, first cousin, son-in-law, daughter-in-law, brother-in-law and sister-in-law.) (N.B. : Son, daughter, brother, sister will be understood to include also step-son, step-daughter, step-brother or step-sister as the case may be.)
 - II. If you are conducting private tuition for the students for any examination.
 - III. If you are a student appearing for the same concerned examination.
 - IV. If you have written guides, annotations, solved example of the same examination.

Confidential Appointment order from Shivaji University as Evaluator

1 message

Shivaji University - Exam Alert <info@brainzorg.com>
To: "Prof.Katkar R. A." <rakatkar.bsh@dacoe.ac.in>

Sat, Aug 5, 2023 at 4:38 PM



शिवाजी विद्यापीठ, कोल्हापूर
SHIVAJI UNIVERSITY, KOLHAPUR

Estd-1962 - recognized by UGC U/s 2(f) and 12 (B)

NAAC "A++" Grade with CGPA 3.52

Ref No. SUK/APPT/Shri Nitin/March - 2023.

Helpline number: 02312609317

CONFIDENTIAL

ORDER No.: March - 2023/14053

Date: 23/08/05 04:35:21

To

Dr / Prof Prof.Katkar R. A.

Email:- rakatkar.bsh@dacoe.ac.in

Mobile No:- 7058643851

Course Name and Subject Code :- March 2023 B.Tech CBCS

Subject Code :- 71811

Subject Name :- Engineering Physics

SUBJECT : Appointment As **Evaluator** for University Examination work as per provisions in Section 48(3)(4) of M.P.U. Act., 2016

Dear Sir/Madam,

I am directed to appoint you as **Evaluator** for the above mentioned subject(s) for the theory SUMMER EXAMINATION March-2023.

This appointment is made under section 48(3)(4) of Maharashtra Public Universities Act 2016 and on the following assumptions :-

1. You are not qualified to be a Paper Chairman / Paper-setter/Moderator/Examiner -
 - I. If your relative has appeared for the same concerned examination (Father, mother, wife, husband, son, daughter, grandson, grand-daughter, brother, sister, nephew, niece, uncle, aunt, first cousin, son-in-law, daughter-in-law, brother-in-law and sister-in-law.) (N.B. : Son, daughter, brother, sister will be understood to include also step-son, step-daughter, step-brother or step-sister as the case may be.)
 - II. If you are conducting private tuition for the students for any examination.
 - III. If you are a student appearing for the same concerned examination.
 - IV. If you have written guides, annotations, solved example of the same examination.

Confidential Appointment order from Shivaji University as Evaluator

1 message

Shivaji University - Exam Alert <info@brainzorg.com>
To: "Prof.Katkar R. A." <rakatkar.bsh@dacoe.ac.in>

Sat, Oct 7, 2023 at 3:13 PM



शिवाजी विद्यापीठ, कोल्हापूर
SHIVAJI UNIVERSITY, KOLHAPUR

Estd-1962 - recognized by UGC U/s 2(f) and 12 (B)

NAAC "A++" Grade with CGPA 3.52

Helpline number: 02312609317

Ref No. SUK/APPT/Shri Nitin/March - 2023.

CONFIDENTIAL

ORDER No.: March - 2023/14053

Date: 23/10/07 03:11:22

To

Dr / Prof Prof.Katkar R. A.

Email:- rakatkar.bsh@dacoe.ac.in

Mobile No:- 7058643851

Course Name and Subject Code :- B.Tech CBCS Sup Exam March 2023

Subject Code :- 71811

Subject Name :- Engineering Physics

SUBJECT : Appointment As **Evaluator** for University Examination work as per provisions in Section 48(3)(4) of M.P.U. Act., 2016

Dear Sir/Madam,

I am directed to appoint you as **Evaluator** for the above mentioned subject(s) for the theory SUMMER EXAMINATION March-2023.

This appointment is made under section 48(3)(4) of Maharashtra Public Universities Act 2016 and on the following assumptions :-

1. You are not qualified to be a Paper Chairman / Paper-setter/Moderator/Examiner -
 - I. If your relative has appeared for the same concerned examination (Father, mother, wife, husband, son, daughter, grandson, grand-daughter, brother, sister, nephew, niece, uncle, aunt, first cousin, son-in-law, daughter-in-law, brother-in-law and sister-in-law.) (N.B. : Son, daughter, brother, sister will be understood to include also step-son, step-daughter, step-brother or step-sister as the case may be.)
 - II. If you are conducting private tuition for the students for any examination.
 - III. If you are a student appearing for the same concerned examination.
 - IV. If you have written guides, annotations, solved example of the same examination.

SHIVAJI UNIVERSITY, KOLHAPUR

ATTENDANCE CERTIFICATE

Sr. No. 3442

This is to certify that Prof. / Dr. / Shri / Smt. Vijay Baban Suryawanshi
College Name D.A.O.E. Kqrad has attended the Central
Assessment work in the subject of Basic Electrical Engg.
at SU Kolhapur Examination in the University
office, Kolhapur From 10/4/2023 to 10/4/2023 For 01 day's.

Assessment of A.B.'s	Moderation on of A. B.'s	Total
45	12	57

No. /EXAM/CAP/

Date : 10/4/2023

M. J.
10/04/2023
Asstt. Registrar/Deputy Registrar
(Post Exam.)
Shivaji University, Kolhapur

SHIVAJI UNIVERSITY, KOLHAPUR

ATTENDANCE CERTIFICATE


Sr No 2638

This is to certify that Prof / Dr /Shri/Smt Vijay Baban Suryawanshi
College Name AGRIU DASEE, Karad has attended the Central
Assessment work in the subject of Fundamental of Electronics & Computers
at SUK Examination in the University
office, Kolhapur: From 11/08/2022 to 13/8/2022 For 03 days.

Assessment of A.B's	Moderation on of A B's	Total
100	52	152

No. SU/EXAM/CAP/

Date


Asstt. Registrar/Deputy Registrar
(Post Exam.)

Shivaji University, Kolhapur

SHIVAJI UNIVERSITY, KOLHAPUR

ATTENDANCE CERTIFICATE

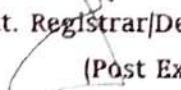
Sr. No. 2829

This is to certify that Prof. / Dr. /Shri/Smt. Vijay Baban Suryawanshi
 College Name DACE Karad has attended the Central
 Assessment work in the subject of Basic Electrical Engg.
 at SUK Examination in the University
 office, Kolhapur From 14/10/23 to 14/10/23 For 1 day's.

Assessment of A.B.'s	Moderation on of A. B.'s	Total
40	—	40

No. SU/EXAM/CAP/

Date : 14/10/23


 Asstt. Registrar/Deputy Registrar
 (Post Exam.)
 Shivaji University, Kolhapur

GOVERNMENT COLLEGE OF ENGINEERING KARAD

(An Autonomous Institute of Government of Maharashtra)

Vidyanagar, Karad Dist. Satara MH PIN-415124

<http://gcekarad.ac.in> Phone: 02164 272414, 9545272414

principal@gcekarad.ac.in



No.: 01

Date: 31/12/2023

Appointment as External / Internal Examiner for ESE Practical / Project / Dissertation

ESE Winter / Summer / Makeup 2023

To,

Name : Prof. V. B. Suryanshi

Designation : Ass. Professor

College : D.A.C.O. Engg. Karad

Address : Karad.

Subject: Appointment as External / Internal Examiner for ESE Practical / Project / Dissertation Examination

I am pleased to appoint you as External / Internal examiner for Practical / Project / Dissertation Examination of ESE Winter / Summer / Makeup Examination 2023, as per following details:

Department	Electrical	Program	B.Tech. / M.Tech. / MCA Sem: VIII
Course Code	EE2815	Course Name	FACTS
Date of Exam	From 4/7/23	To 4/7/23	Time: 11:00 AM To 2:00 PM
No. of Students	01		

You are requested to confirm your availability for the examination. You are entitled T.A./D.A. as per Govt. norms and remuneration as per rules and regulation of the examination of the Institute.



Sali
Head of Department
Department of

22-23

GOVERNMENT COLLEGE OF ENGINEERING KARAD

(An Autonomous Institute of Government of Maharashtra)

Vidyanagar, Karad Dist. Satara MH PIN-415124

http://gcekarad.ac.in Phone 02164 272414, 9545272414

principal@gcekarad.ac.in



No.: 16

Date: 20/05/23

Appointment as External / Internal Examiner for ESE Practical / Project / Dissertation

ESE Winter / Summer / Makeup 2023

To,

Name : Prof. V. B. Suryawanshi

Designation : Asst. Professor

College : Ahmed college of Engg,

Address : Karad.

Subject: Appointment as External / Internal Examiner for ESE Practical / Project / Dissertation Examination

I am pleased to appoint you as External / Internal examiner for Practical / Project / Dissertation Examination of ESE Winter / Summer / Makeup Examination 2023, as per following details:

Department	<u>Electrical</u>	Program	<u>B.Tech. / M.Tech. / MCA Sem: IV</u>
Course Code	<u>EE2407</u>	Course Name	<u>Electrical Machines-I Lab</u>
Date of Exam	<u>From 22 /05 /23</u>	<u>To 24/05 /23</u>	<u>Time: 10:00 To 05:00 PM</u> <u>AM</u>
No. of Students	<u>55</u>		

You are requested to confirm your availability for the examination. You are entitled T.A./D.A. as per Govt. norms and remuneration as per rules and regulation of the examination of the Institute.



[Signature]
Head of Department
Department of
Electrical

SHIVAJI UNIVERSITY, KOLHAPUR

ATTENDANCE CERTIFICATE

Sr. No.

725

This is to certify that Prof. / Dr. /Shri/Smt. Rajesh. R. Dodake
College Name Daulatnagar Aher's college of Engineering Karad has attended the Central
Assessment work in the subject of Data structures Digital Communication
at APSY B Tech (ETC) APR/MAY-2023 Examination in the University
office, Kolhapur From 28/06/2023 to 4/7/2023 For 3 day's.

Assessment of A.B.'s	Moderation on of A. B.'s	Total
160	26	186

No. SU/EXAM/CAP/

Date : 4/7/2023

Rajesh R. Dodake
4/7/23
Asstt. Registrar/Deputy Registrar
(Post Exam.)
Shivaji University, Kolhapur



GOVERNMENT COLLEGE OF ENGINEERING KARAD

(An Autonomous Institute of Government of Maharashtra)

Vidyanagar, Karad Dist. Satara MH PIN-415124

<http://gceekarad.ac.in> Phone: 02164 272414, 9545272414

principal@gceekarad.ac.in



No.:

Date: 24/5/23

Appointment as External / Internal Examiner for ESE Practical / Project / Dissertation

ESE Winter / Summer / Makeup 2023

To,

Name : Mr. R. R. Dodake

Designation : Assistant Professor

College : Dr. Dawlatrao Aher College of Engg. Karad.

Address : Banawadi, Karad.

Subject: Appointment as External / Internal Examiner for ESE Practical / Project / Dissertation Examination

I am pleased to appoint you as External / Internal examiner for Practical / Project / Dissertation Examination of ESE Winter / Summer / Makeup Examination 20___, as per following details:

Department	<u>Electrical</u>	Program	<u>B.Tech. / M.Tech. / MCA Sem: <u>IV</u></u>
Course Code	<u>EE 2409</u>	Course Name	<u>EMI</u>
Date of Exam	<u>From 22 / 05 / 23</u>	<u>To 24 / 05 / 23</u>	<u>Time: 10.00 am To 5.00 pm</u>
No. of Students	<u>55</u>		

You are requested to confirm your availability for the examination. You are entitled T.A./D.A. as per Govt. norms and remuneration as per rules and regulation of the examination of the Institute.

J. K. Wode
प्राध्यापक आणि विभागप्रमुख
विद्युत और इलेक्ट्रिकी विभाग
Department of
Electrical
शासकीय अभियंता महाविद्यालय, कराड



GOVERNMENT COLLEGE OF ENGINEERING KARAD

(An Autonomous Institute of Government of Maharashtra)

Vidyanagar, Karad Dist. Satara MH PIN-415124

<http://gcekarad.ac.in> Phone: 02164 272414, 9545272414 principal@gcekarad.ac.in



No.:

Date: 24/05/23

Attendance Certificate

ESE ~~Winter~~ / Summer / [✓] Makeup 20 23

This is to certify that ~~Dr.~~ / ~~Prof.~~ / Mr. / Ms. Rajesh Ramesh Dodake
Assistant Professor / Associate Professor / Professor / Other E & TC of
D.A.C.O.E. Karad. College/Industry has been served as an
External Examiner for conducting ESE Practical Examination / Project / Dissertation of ESE
Winter / Summer / Makeup Examination 20____, for the following course:

Department	<u>Electrical</u>	Program	[✓] B.Tech. / M.Tech. / MCA Sem: <u>IV</u>
Course Code	<u>EE 2409</u>	Course Name	<u>EMI</u>
Date of Exam	From <u>22/05/23</u>	To <u>24/05/23</u>	Time: <u>10.00 am</u> To <u>5.00 pm</u>

A. K. Kulkarni

Head of Department

Department of Electrical

Government College of Engineering, Karad

प्राध्यापक आणि विभागप्रमुख
विद्युत अभियांत्रिकी विभाग
शासकीय अभियांत्रिकी महाविद्यालय, कराड



शिवाजी विद्यापीठ, कोल्हापूर
SHIVAJI UNIVERSITY, KOLHAPUR
ESTD 1962 - RECOGNIZED BY UGC (U/S 2(F) AND 12 (B))
NAAC 'A++' Grade with CGPA 9.57

Ref.No. SUK/APPT/ARI.APP/March-2022

CONFIDENTIAL

Order No : March-2022/00566

Date : 09-Jun-2022 01:15

To,

Teacher Name : Dr / Prof / Mr /Mrs MR. A. H. KUMBHAR

Email : ahkumbhar.civil@dacoe.ac.in

Mobile : 9665802445

Course Name : 1154-B.Tech. CBCS

Subject Code : 83733

Subject Name : 83733-Earthquake Engineering

Dear Sir/Madam,

I am directed to appoint you as **Paper Chairman** for the above mentioned subject(s) for the theory Examination MAR 2022 (summer event) You are requested to prepare Three sets of Question Papers. Paper setting should be based on the syllabus in force. It should cover the entire syllabus. Paper pattern and scheme of marking accepted by authorities must be observed. Utmost care should be taken to avoid out of syllabus questions. Correct instructions to solve the question paper should be given at the top of the paper. Heading and titles of the paper should be as per approved syllabus. The confidentiality of the question paper should be strictly followed.

This appointment is made under section 48(3)(4) of Maharashtra Public Universities Act 2016 and on the following assumptions :-

1) You are not qualified to be a Paper Chairman / Paper-setter/Moderator/Examiner -

- i) If your relative has appeared for the same concerned examination (Father, mother,wife, husband, son, daughter, grandson, grand-daughter, brother, sister, nephew,niece, uncle, aunt, first cousin, son-in-law, daughter-in-law, brother-in-law and sister-in-law.) (N.B. : Son, daughter, brother, sister will be understood to include also step-son, step-daughter, step-brother or step-sister as the case may be.)
- ii) If you are conducting private tuition for the students for any examination.
- iii) If you are a student appearing for the same concerned examination.
- iv) If you have written guides, annotations, solved examples of the same examination.

2) This appointment is made under Section 48(3)(4) of M.P.U. Act., 2016 and it is compulsory. **Non acceptance of this order will be treated as misconduct as per section 48(4)of M.P.U. Act., 2016.** Kindly send your acceptance immediately to the office and to the concerned Chairperson.

3) You are requested To attend the without fail.

i) Paper Setting Meeting on : 10/06/2022

ii) Place : Annex Building , Shivaji University , Kolhapur

Competent Authority
Appointment Section
Shivaji University



शिवाजी विद्यापीठ, कोल्हापूर
SHIVAJI UNIVERSITY, KOLHAPUR
ESTD 1962 - RECOGNIZED BY UGC, U/P 2(1) AND 12 (B)
NAAC "A++" Grade with CPA 3.12

Ref.No. SUK/APPT/ARI.APP/March-2022

CONFIDENTIAL

Order No : March-2022/00544

Date : 09-Jun-2022 12:39

To,

Teacher Name : Dr / Prof / Mr /Mrs **MR. A. H. KUMBHAR**

Email : **ahkumbhar.civil@dcoe.ac.in**

Mobile : **9665802445**

Course Name : **1154-B.Tech. CBCS**

Subject Code : **80764**

Subject Name : **80764-Design of Steel Structures**

Dear Sir/Madam,

I am directed to appoint you as **Paper Setter** for the above mentioned subject(s) for the theory Examination MAR 2022 (summer event) You are requested to prepare Three sets of Question Papers. Paper setting should be based on the syllabus in force. It should cover the entire syllabus. Paper pattern and scheme of marking accepted by authorities must be observed. Utmost care should be taken to avoid out of syllabus questions. Correct instructions to solve the question paper should be given at the top of the paper. Heading and titles of the paper should be as per approved syllabus. The confidentiality of the question paper should be strictly followed.

This appointment is made under section 48(3)(4) of Maharashtra Public Universities Act 2016 and on the following assumptions :-

1) You are not qualified to be a Paper Chairman / Paper-setter/Moderator/Examiner -

- i) If your relative has appeared for the same concerned examination (Father, mother,wife, husband, son, daughter, grandson, grand-daughter, brother, sister, nephew,niece, uncle, aunt, first cousin, son-in-law, daughter-in-law, brother-in-law and sister-in-law.) (N.B. : Son, daughter, brother, sister will be understood to include also step-son, step-daughter, step-brother or step-sister as the case may be.)
- ii) If you are conducting private tuition for the students for any examination.
- iii) If you are a student appearing for the same concerned examination.
- iv) If you have written guides, annotations, solved examples of the same examination.

2) This appointment is made under Section 48(3)(4) of M.P.U. Act., 2016 and it is compulsory. **Non acceptance of this order will be treated as misconduct as per section 48(4)of M.P.U. Act., 2016.** Kindly send your acceptance immediately to the office and to the concerned Chairperson.

3) You are requested To attend the without fail.

i) Paper Setting Meeting on : **10/06/2022**

ii) Place : Annex Building , Shivaji University , Kolhapur

Competent Authority
Appointment Section
Shivaji University



शिवाजी विद्यापीठ, कोल्हापूर
SHIVAJI UNIVERSITY, KOLHAPUR
Estd-1962 - recognized by UGC U/s 2(f) and 12 (B)
NAAC "A++" Grade with CGPA 3.52

CONFIDENTIAL

RefNo. SUK/APPT/1918

Order No. Oct/Nov-2023/4142

To

Date 18-September-2023

Teacher Name **Dr/Prof/Mr/Mrs Mr.P. S. LOKARE**
Email **pslokare.civil@dacoe.ac.in**
Course Name **B.Tech. CBCS**
Subject Code **73201 _ Descriptive**
Subject Name **Building Constructions & Materials**

Mobile No **8668431138**

Dear Sir/Madam

I am directed to appoint you as **Chairman** for the above mentioned subject(s) for the theory Examination **Oct-Nov.2023 Examination**. You are requested to prepare Three sets of Question Papers. Paper setting should be based on the syllabus in force. It should cover the entire syllabus. Paper pattern and scheme of marking accepted by authorities must be observed. Utmost care should be taken to avoid out of syllabus questions. Correct instructions to solve the question paper should be given at the top of the paper. Heading and titles of the paper should be as per approved syllabus. The confidentiality of the question paper should be strictly followed.

This appointment is made under section 48(3)(4) of Maharashtra Public Universities Act 2016 and on the following assumptions :-

- 1) You are not qualified to be a Paper Chairman / Paper-setter/Moderator/Examiner -
 - i) If your relative has appeared for the same concerned examination (Father, mother, wife, husband, son, daughter, grandson, grand-daughter, brother, sister, nephew, niece, uncle, aunt, first cousin, son-in-law, daughter-in-law, brother-in-law and sister-in-law.) (N.B. : Son, daughter, brother, sister will be understood to include also step-son, step-daughter, step-brother or step-sister as the case may be.)
 - ii) If you are conducting private tuition for the students for any examination.
 - iii) If you are a student appearing for the same concerned examination.
 - iv) If you have written guides, annotations, solved examples of the same examination.
- 2) This appointment is made under Section 48(3)(4) of M.P.U. Act., 2016 and it is compulsory. You are requested to communicate your acceptance immediately click => https://sukapps.unishivaji.ac.in/srpd_api/order-acceptance.aspx to report your acceptance. **Non acceptance of this order will be treated as misconduct as per section 48(4) of M.P.U. Act., 2016.** Kindly send your acceptance immediately to the office and to the concerned Chairperson.
- 3) Mode of paper setting & Venue of Meeting: **In Person- Annex. Bld. Shivaji University Kolhapur**
Date Of Meeting/Last Date of Set Submission: **25-09-2023**

Mr. Nivas S. Mane
Dy. Registrar (Appointment)
Shivaji University, Kolhapur

CC. Principal/ Director - Respective College/Institute- Requested to relieve concerned staff for said examination work

Expert Name	Contact no	Email	Role
MR.RABADE MANSING MARUTI	9422418705	mansing2005@gmail.com	Paper Setter/Subject Expert

(in case of any query regarding appointment plz. Contact 0231 2609102 / 9103)

E:\Sachin\M_MM-11.pmd

SHIVAJI UNIVERSITY, KOLHAPUR

ATTENDANCE CERTIFICATE

Sr. No.

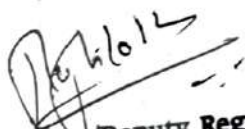
764

This is to certify that Prof. / Dr. /Shri/Smt. Lokare Pawan Shivajirao has attended the Central
College Name D.A.C.O.E, Karad.
Assessment work in the subject of Survey-II
at SUK S.Y. BTech, CBSE Examination in the University
office, Kolhapur From 28/6/2023 to 6/7/2023 For 02 day's.

Assessment of A.B.'s	Moderation on of A. B.'s	Total
80		80

No. SU/EXAM/CAP/

Date :


Asstt. Registrar/Deputy Registrar
(Post Exam.)
Shivaji University, Kolhapur

SHIVAJI UNIVERSITY, KOLHAPUR

ATTENDANCE CERTIFICATE


Sr. No. 760

This is to certify that Prof. / Dr. / Shri/Smt. Sudam P. Charan
College Name ACTR'S COLLEGE, KARAJ has attended the Central
Assessment work in the subject of Transportation Engineering P
at SUR Examination in the University
office, Kolhapur From 28/06/2023 to 06/07/2023 For 03 day's.

Assessment of A.B.'s	Moderation on of A. B.'s	Total
160	-	160

No. SU/EXAM/CAP/

Date : 06/07/2023


Asstt. Registrar/Deputy Registrar
(Post Exam.)
Shivaji University, Kolhapur


SHIVAJI UNIVERSITY, KOLHAPUR**ATTENDANCE CERTIFICATE**Sr. No. **2377**

This is to certify that Prof. / Dr / Shri / Smt. Prajakta P. Patkar
 College Name Dr. Dawlatrao Aher College Karad has attended the Central
 Assessment work in the subject of fluid mechanics II
 at SUK Examination in the University
 office, Kolhapur From 12/07/23 to 14/07/23 For 02 day's.

Assessment of A.B.'s	Moderation on of A. B.'s	Total
80	-	80

No. SU/EXAM/CAP/

Date : 14/07/23


 Asstt. Registrar/Deputy Registrar
 (Post Exam.)
 Shivaji University, Kolhapur

SHIVAJI UNIVERSITY, KOLHAPUR

ATTENDANCE CERTIFICATE


Sr. No. 2377

This is to certify that Prof. / Dr / Shri / Smt. Prajakta P. Patkar
 College Name Dr. Daulatrao Aher College Karad has attended the Central
 Assessment work in the subject of Fluid mechanics II
 at SUK Examination in the University
 office, Kolhapur From 12/07/23 to 14/07/23 For 02 day's.

Assessment of A.B.'s	Moderation on of A. B.'s	Total
80	-	80

No. SU/EXAM/CAP/

Date : 14/07/23


 Asstt. Registrar/Deputy Registrar
 (Post Exam.)
 Shivaji University, Kolhapur


SHIVAJI UNIVERSITY, KOLHAPUR**ATTENDANCE CERTIFICATE**Sr. No. **2379**

This is to certify that Prof. / Dr. / Sri/Smt. Shradha Shrikrushna Anpat
 College Name Daulat Rao Amer College Karad. has attended the Central
 Assessment work in the subject of TRE-II
 at SUK. March 2023 Examination in the University
 office, Kolhapur From 12/07/23 to 14/7/23 For 2 days. day's.

Assessment of A.B.'s	Moderation on of A. B.'s	Total
80	-	80

No. SU/EXAM/CAP/

Date : 14/07/23


 Asstt. Registrar/Deputy Registrar
 (Post Exam.)
 Shivaji University, Kolhapur

Registrar

Principal

SHIVAJI UNIVERSITY, KOLHAPUR

ATTENDANCE CERTIFICATE

Sr. No. 762

This is to certify that Prof. / Dr. /Shri/Smt. Kymbhar Vishal Pandurang has attended the Central College Name DACE, Kavarad Examination in the University Assessment work in the subject of KRF - II at SUR, Kolhapur For 03 day's office, Kolhapur From 28/6/23 to 6/7/23

Assessment of A.B.'s	Moderation on of A. B.'s	Total
129	51	180

No. SU/EXAM/CAP/

Date : 6/7/23

Asstt. Registrar/Deputy Registrar
(Post Exam.)

Shivaji University, Kolhapur

SHIVAJI UNIVERSITY, KOLHAPUR

ATTENDANCE CERTIFICATE


Sr. No. 2379

This is to certify that Prof. / Dr. / Shri/Smt. Shradha Shrikrushna Anpat
College Name Daulatabad Aher College Karad. has attended the Central
Assessment work in the subject of TRE-II
at SUK. March 2023 Examination in the University
office, Kolhapur From 12/07/23 to 14/7/23 For 2 days. day's.

Assessment of A.B.'s	Moderation on of A. B.'s	Total
80	-	80

No. SU/EXAM/CAP/

Date : 14/07/23


Asstt. Registrar/Deputy Registrar
(Post Exam.)

Shivaji University, Kolhapur

SHIVAJI UNIVERSITY, KOLHAPUR

ATTENDANCE CERTIFICATE

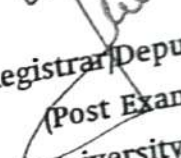
No. 2818

This is to certify that Prof. / Dr. /Shri/Smt. Mrs Mulani A-A.
College Name Dr Daulatrao Aher College of Engg has attended the Central
Assessment work in the subject of SM Examination in the University
at S.Y Batech CBCS Sem-4. For 01 day's.
office, Kolhapur From 11/10/2023 to 11/10/2023

Assessment of A.B.'s	Moderation on of A. B.'s	Total
40	-	40

No. SU/EXAM/CAP/

Date : 11/10/23


Asstt. Registrar/Deputy Registrar
(Post Exam.)
Shivaji University, Kolhapur



DYPTC/ENGR/MNGT/2022-23/11302

Ref No: 23/2/22

To:
Prof. P S Lokare (External)
DACE, Karad

Prof. F A Sayyad (Internal)
DYPTC, Talsande.

Sir / Madam,

With reference to University letter number SU/Exam/Engg. & Tech.Exam/SBS/565 dated-15/12/2022 I am directed to appoint you as examiner for Practical/Oral examination as detailed in this appointment letter.

This appointment is made under Sect.48 (3) of Maharashtra University Act, 2016 and on following assumptions:-

- That none of you have any relation of the following type appearing in any subject at this examination of the University:
father, mother, wife, husband, son, daughter, grandson, brother, sister, nephew, niece, uncle, aunt, first cousin, son-in-law, daughter-in-law, brother-in-law, sister-in-law.
(N.B:- son, daughter, grandson, brother, sister will be understood to include also step-son, step-daughter, step-brother, step-sister as the case may be.)
- That none of you have coached any student or students for this examination of the University.
- That none of you are a candidate for any examination of this University other than translation Test, Ph.D., and D.Sc. Examination during the season.
- That none of you is engaged in taking any private tuition/s of any student/s for any examination/s of any class/es.
- That none of you have written any books and guides, annotation, digest or Catechisms or any book of solved examples for students with reference to this examination of the university.

48(4) is as under:

It shall be obligatory on every teacher and on the non-teaching employee of the university, affiliation conducted or autonomous college or recognized institution to render necessary assistance and service in respect of examinations of the university. If any teacher or non-teaching employee fails to comply with the order of the university or college or institution, in this respect, it shall be treated as misconduct and the employee shall be liable for disciplinary action.

In this case, where you are not considered eligible as per the above assumptions, you should bring this to the notice of the undersigned with a copy to be sent to the Chairman of the concerned Board of studies and appointment section.

Center: DTC, Talsande, Kolhapur

Laboratory of College Name:-Civil Engg Dept

Class & Branch	Subject	Day & Date	Time	No. of Students
S.Y. B.Tech. (Civil)	Surveying I	09-10 Jan 2023	09.00am to 3.30pm	59
S.Y. B.Tech. (Civil)	Surveying II	10 Jan 2023		4

Yours faithfully

Satish R. Pawas
Director

D.Y. Patil Technical Campus
Faculty of Engineering & Faculty of Management
Talsande, Tal. Hatkanangale, Dist. Kolhapur

Copy to:-

- 1) Appointment Section Shivaji University, Kolhapur
- 2) Engineering & Technology Exam Dept. Dist. Kolhapur



President : Dr. Sanjay D. Patil

Director : Dr. Satish R. Pawas

Address: Wathar-Warna Nagar Road, Talsande, Tal.- Hatkanangale, Dist.- Kolhapur, Maharashtra. 4161

Email: engg.dyptc@gmail.com/ mba.dyptc@gmail.com | website: foet.dypgroup.edu

DTE code: 6780 | phone/ fax: 76665463

D.Y. Patil Technical Campus Faculty of Engineering,

Talsande, Kolhapur

ATTENDANCE CERTIFICATE

Date: 09/11/23

This is to certify that Mr./Mis./Miss P. S. Lokare

Designation Asst. Prof. of Institute DACE Karad

attended D.Y. Patil Technical Campus Faculty of Engineering and Faculty of Management, Talsande, Kolhapur on 09/11/23 to 10/11/23

for conducting Practical / Oral Examination of _____ candidate in Subject Surveying - I at DTC


Examination ~~Nov/Dec/May/June~~ Oct 2022

The Examination was conducted for 02 days

Date: 09/11/23 Arrival Timing 9.30 AM/PM


Date: 10/11/23 Departure Timing 3.30 AM/PM

He/She has been paid T.A./D.A./Local Conveyance allowance at our college.


Internal Examiner

Name: F. A. Sayyad

Department: Civil


Director
D.Y. Patil Technical Campus
Faculty of Engineering & Faculty of Management
Talsande, Tal. Hatkanangale, Dist. Kolhapur





Shetkari Shikshan Prasarak Mandal's

**Jaywant College of Engineering and
Polytechnic, K. M. Gad**

DEPARTMENT OF CIVIL ENGINEERING

Ref. No.: JCEM/CIVIL/ 8258

Date: 04/01/2023

ATTENDANCE CERTIFICATE

This is to certify that Shri/Smt. R. E. Pawar
of -Dr Daulatrao Aher College of Engineering, Karad has
attended the External Practical/Oral Examination in the subject of
SDD OF Steel Structure at SE/TE/BE Civil Engineering Department
in our college on J.C.E.P.,K.M.Gad, Walwa, Dist-Sangli On
Wednesday 04/01/2023.

M.M.
04/01/23
Prof. B. M. Mohite
H.O.D.

J. U. S.
Dr. U.S.Sutar
Principal

D.Y.PATIL COLLEGE OF ENGG & TECH
Kasaba Bavada Kolhapur

CERTIFICATE OF ATTENDANCE

Date 08/06/2023

Certified that Shri / Smt / Prof. Abhijeet Kumbhar
from Dattatraya Jalgaon College of Engg, Kasad. college
attended D.Y.P.C.E & T. Kasaba Bavada Kolhapur on 05/6 to 8/6 for conducting
Practical/ Oral Examination of 256 candidates in subject S.D.D.-II
at S.E./T.E./B.E. (I/II) examination, Nov/Dec/ May/June 2023. The Examination
was conducted for 4 days.

Date: 05/06/2023 Arrival Timing: 9:00 am / p.m

Date: 08/06/2023 Departure Timing: 5:00 am / p.m

He / She has been paid T.A.D.A / local conveyance allowance at our College

Internal Examiner:

Name
Department :-

Prashant Jagtap
Dept of Civil Engg.

Salasa

Principal
D.Y. Patil College of Engg. & Tech.
Kasaba Bavada, Kolhapur.



Shetkari Shikshan Prasarak Mandal's

Jaywant College of Engineering and Polytechnic

Approved by AICTE, New Delhi, Recognized by DTE, Govt. of Maharashtra and Affiliated to Shivaji University, Kolhapur and Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra.

Date: 29/12/2022

Ref. No.: SSPM'S/JCEP/ 8258/2022-23

To,

1) Internal Examiner

Prof. Mr. B. M. Mohite
Jaywant College of Eng. & Poly.
Killemachindragad

2) External Examiner

Prof. Mr. R. E. Pawar
Dr. Daulatrao Aher College of Engineering,
Karad.

Sir/Madam,

With reference to University letter I am directed to appoint you as examiner for practical/Oral examination as detailed in this appointment letter.

This appointment is made under Sect 32(9) of Maharashtra University Act, 1994 and on following assumptions:-

- That none of you have any relation of the following type appearing in any subject at this examination of the University:
Father, mother, wife, husband, son, daughter, grandson, brother, sister, nephew, niece, uncle, aunt, first Cousin, son-in-law, daughter-in-law, brother-in-law and sister-in-law.
(N.B.: Son, daughter, brother, sister will be understood to include also step-son, step-daughter, Step- brother or Step-sister as the case may be.)
- That none of you have coached any student or student for this examination of the University.
- That none of you are a candidate for any examination of this University other than translation Test, Ph.D., D.Sc. Examination during this season.
- That none of you is engaged in taking any private tuition/s of any student/s for any examination/s of any Class/es.
- That none of you have written any books and guides, annotation, digest or Catechisms or any book of solved examples for student with reference to this examination of the university.

32 (g) is as under :

It shall be obligatory on every teacher and on the non-teaching employee of the university, affiliated conducted or autonomous college or recognized institution to render necessary assistance and service in respect of examinations of the university. If any teacher or non-teaching employee fails to comply with the order of the university or college or institution, in this respect, it shall be treated as misconduct and the employee shall be liable for disciplinary action.

In the case, where you are not considered eligible as per the above assumptions, you should bring this to the notice of the undersigned with a copy to be sent to the Chairman of the concerned Board of Student and appointment section.

Center: Jaywant College of Eng. & Poly K.M. Gad

Class and Branch	Subject	Day & Date	Time	No. of Students
T.Y-B.Tech (Civil) Sem-V	SDD of Steel Structure	Wednesday, 04/01/2023.	10:00am To 05:00pm	37


Principal

Jaywant College of Engineering & Polytechnic

K.M.Gad, Tal. Walwa, Dist. Sangli.

M&J
29/12

Jaywantnagar, Gat No. 319/1, Kille Machhindragad, Tal.: Walwa, Dist.: Sangli, Maharashtra, Pin - 415 302

Phone : (02164) 266408, www.sspmjcem.com Email : principaljcem@gmail.com

DTE Code : EN6313



Shetkari Shikshan Prasarak Mandal's
**Jaywant College of Engineering and
Polytechnic, K. M. Gad**
(Approved by AICTE, New Delhi, DTE, Govt. of Maharashtra, Affiliate
Shivaji University Kolhapur & BATU, Lonere)

DEPARTMENT OF CIVIL ENGINEERING

Ref. No.: JCEM/Civil/


Date: 03/01/2023

ATTENDANCE CERTIFICATE

This is to certify that Shri/Smt. R. E. Pawar of Dr. Daultrao Aher
College of Engineering, Karad has attended the External
Practical/Oral Examination in the subject of **DDRS** at SE/TE/I
Civil Engineering Department in our college on JCEP, K.M.G.
Walwa, Dist-Sangli On Tuesday 03/01/2023



Mohite
03/01/23
Prof. B. M. Mohite
H.O.D.


Dr. U.S. Sutar
Principal



Shetkari Shikshan Prasarak Mandal's

Jaywant College of Engineering and Polytechnic

Approved by AICTE, New Delhi, Recognized by DTE, Govt. of Maharashtra and Affiliated to Shivaji University, Kolhapur and Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra.

Ref. No.: SSPM'S/JCEP/ 8258 /2022-23

Date: 02/01/2023

To,

1) Internal Examiner

Prof. A. S. Pawar
Jaywant College of Eng. & Poly.
Killemachindragad

2) External Examiner

Prof. R. E. Pawar
Dr. Daulatrao Aher, Director of Engineering,
Karad.

Sir/Madam,

With reference to University letter I am directed to appoint you as examiner for practical/Oral examination as detailed in this appointment letter.

This appointment is made under Sect 32(9) of Maharashtra University Act, 1994 and on following assumptions:-

- That none of you have any relation of the following type appearing in any subject at this examination of the University:
Father, mother, wife, husband, son, daughter, grandson, brother, sister, nephew, niece, uncle, aunt, first Cousin, son-in-law, daughter-in-law, brother-in-law and sister-in-law.
(N.B.: - Son, daughter, brother, sister will be understood to include also step-son, step-daughter, Step-brother or Step-sister as the case may be.)
- That none of you have coached any student or student for this examination of the University.
- That none of you are a candidate for any examination of this University other than translation Test. Ph.D., D.Sc. Examination during this season.
- That none of you is engaged in taking any private tuition/s of any student/s for any examination/s of any Class/es.
- That none of you have written any books and guides, annotation, digest or Catechism or any book of solved examples for student with reference to this examination of the university.

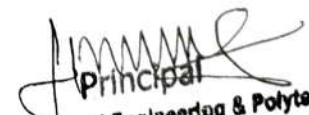
32 (g) is as under :

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In the case, where you are not considered eligible as per the above assumptions, you should bring this to the notice of the undersigned with a copy to be sent to the Chairman of the concerned Board of Student and appointment section.

Center: Jaywant College of Eng. & Poly. K.M. Gad

Class and Branch	Subject	Day & Date	Time	No. of Students
B.Tech (Civil) Sem-VII	DDRS	Tuesday, 03/01/2023.	10:00am To 05:00pm	34


Principal
Jaywant College of Engineering & Polytechnic
K.M. Gad, Tal. Walwa, Dist. Sangli.

Jaywantnagar, Gat No. 319/1, Kille Machhindragad, Tal.: Walwa, Dist.: Sangli, Maharashtra, Pin - 415 302
Phone : (02164) 266408, www.sspmjcem.com Email : principaljcem@gmail.com
DTE Code : EN6313



DYPTC/ENGR/MNGT/2022-23/11302

Ref No. Date 23/12/22

To,
Prof. S D Kamble (External)
DACE, Karad

Prof P A Nerlekar (Internal)
DYPTC, Talsande.

Sir / Madam,

With reference to University letter number SU /Exam/Engg. & Tech Exam./SBS/565 dated-15/12/2022.

I am directed to appoint you as examiner for Practical/Oral examination as detailed in this appointment letter.

This appointment is made under Sect.48 (3) of Maharashtra University Act, 2016 and on following assumptions:-

- That none of you have any relation of the following type appearing in any subject at this examination of the University:
father, mother, wife, husband, son, daughter, grandson, brother, sister, nephew, niece, uncle, aunt, first cousin, son-in-law, daughter-in-law, brother-in-law, sister-in-law.
(N.B:- son, daughter, grandson, brother, sister will be understood to include also step-son, step-daughter, step-brother, step-sister as the case may be.)
- That none of you have coached any student or students for this examination of the University.
- That none of you are a candidate for any examination of this University other than translation Test, Ph.D., and D.Sc. Examination during the season.
- That none of you is engaged in taking any private tuition/s of any student/s for any examination/s of any class/es.
- That none of you have written any books and guides, annotation, digest or Catechisms or any book of solved examples for students with reference to this examination of the university.

48(4) is as under:

It shall be obligatory on every teacher and on the non-teaching employee of the university, affiliation conducted or autonomous college or recognized institution to render necessary assistance and service in respect of examinations of the university. If any teacher or non-teaching employee fails to comply with the order of the university or college or institution, in this respect, it shall be treated as misconduct and the employee shall be liable for disciplinary action.

In this case, where you are not considered eligible as per the above assumptions, you should bring this to be notice the undersigned with a copy to be sent to the Chairman of the concerned Board of studies and appointment section.

Center: DTC, Talsande, Kolhapur

Laboratory of College Name:-Civil Engg.Dept.

Class & Branch	Subject	Day & Date	Time	No. of Students
S.Y. B.Tech. (Civil)	Strength of Materials	11-12 Jan 2023	09.00am to 3.30pm	59

Yours faithfully

Director

Director

D.Y. Patil Technical Campus
Faculty of Engineering & Faculty of Management
Talsande, Tal. Hatkanangele, Dist. Kolhapur

- Copy to:-
- 1 Appointment Section Shivaji University, Kolhapur
 - 2 Engineering & Technology Exam. Dept.



resident : Dr. Sanjay D. Patil

Director : Dr. Satish R. Pawaskar

address: Wathar-Warna Nagar Road, Talsande, Tal.- Hatkanangele, Dist.- Kolhapur, Maharashtra. 416113
email: engg.dyptc@gmail.com / mba.dyptc@gmail.com | website: foet.dvngroup.edu.in

D.Y. Patil Technical Campus Faculty of Engineering,
Talsande, Kolhapur.

ATTENDANCE CERTIFICATE

Date: 12/1/23.

This is to certify that Mr./Mrs./Miss S. D. Kamble
Designation Asst Prof. of institute DACE Karad
attended D.Y. Patil Technical Campus Faculty of Engineering and Faculty of
Management, Talsande, Kolhapur on 11/1/23 to 12/1/23
for conducting Practical / Oral Examination of _____ candidates in Subject
Strength of Material at DTC

Examination ~~Nov/Dec/Jan/June~~ Oct 2022

The Examination was conducted for 02 days.

Date: 11/1/23 Arrival Timing 9.30 AM/PM

Date: 12/1/23 Departure Timing 3.30 AM/PM

He/She has been paid T.A./D.A./Local Conveyance allowance at our
college.

Internal Examiner

Name: Prof. P. A. Nerdekar

Department:

Civil.



S. D. Kamble
11/1/2023
Director
D.Y. Patil Technical Campus
Faculty of Engineering & Faculty of Management
Talsande, Tal. Hatkanangele, Dist. Kolhapur



D Y PATIL
TECHNICAL CAMPUS
FACULTY OF ENGINEERING
FACULTY OF MANAGEMENT
TALSANDE

DYPTC/ENGR/MNGT/ 2022-23/11302

Ref No Date 23/12/22

To,
Prof. V P Kumbhar (External)
DACE, Karad

Prof P B Devthanekar (Internal)
DYPTC, Talsande

Sir / Madam,

With reference to University letter number SU /Exam/Engg & Tech Exam /SBS/565 dated-15/12/2022
I am directed to appoint you as examiner for Practical/Oral examination as detailed in this appointment letter.

This appointment is made under Sect.48 (3) of Maharashtra University Act, 2016 and on following assumptions:-

- That none of you have any relation of the following type appearing in any subject at this examination of the University:
father, mother, wife, husband, son, daughter, grandson, brother, sister, nephew, niece, uncle, aunt, first cousin, son-in-law, daughter-in-law, brother-in-law, sister-in-law.
- (N.B:- son, daughter, grandson, brother, sister will be understood to include also step-son, step-daughter, step-brother, step-sister as the case may be.)
- That none of you have coached any student or students for this examination of the University
- That none of you are a candidate for any examination of this University other than translation Test, Ph.D., and D.Sc. Examination during the season.
- That none of you is engaged in taking any private tuition/s of any student/s for any examination/s of any class/es.
- That none of you have written any books and guides, annotation, digest or Catechisms or any book of solved examples for students with reference to this examination of the university.

48(4) is as under:

It shall be obligatory on every teacher and on the non-teaching employee of the university, affiliation conducted or autonomous college or recognized institution to render necessary assistance and service in respect of examinations of the university. If any teacher or non-teaching employee fails to comply with the order of the university or college or institution, in this respect, it shall be treated as misconduct and the employee shall be liable for disciplinary action.

In this case, where you are not considered eligible as per the above assumptions, you should bring this to be notice the undersigned with a copy to be sent to the Chairman of the concerned Board of studies and appointment section.

Center: DTC, Talsande, Kolhapur

Laboratory of College Name:-Civil Engg.Dept.

Class & Branch	Subject	Day & Date	Time	No. of Students
S.Y. B.Tech. (Civil)	Fluid Mechanics -I	13-14 Jan 2023	09.00am to 3.30pm	59

Yours faithfully

Satish R. Pawaskar

Director

D.Y. Patil Technical Campus
Faculty of Engineering & Faculty of Management
Talsande, Tal. Hatkanangale, Dist. Kolhapur

Copy to:-

- Appointment Section Shivaji University, Kolhapur
- Engineering & Technology Exam Dept.



President : Dr. Sanjay D. Patil

Director : Dr. Satish R. Pawaskar

Address: Wathar-Warna Nagar Road, Talsande, Tal.- Hatkanangale, Dist.- Kolhapur, Maharashtra. 41611.

Email: engg.dyptc@gmail.com/ mba.dyptc@gmail.com | website: foet.dypgroup.edu.

DTE code: 6780 | phone/ fax: 766654636

D.Y. Patil Technical Campus Faculty of Engineering

Talsande, Kolhapur

ATTENDANCE CERTIFICATE

Date: 13/11/2023

This is to certify that Mr/Ms/Miss prof. V.P. Kurathkar
Designation Asst. Prof. of Institute DACE Karad
attended D.Y. Patil Technical Campus Faculty of Engineering and Faculty of
Management, Talsande, Kolhapur on 13/11/2023 to 14/11/2023
for conducting Practical/Oral Examination of candidate in subject
Fluid Mechanics at PTC

Examination Nov/Dec/May/June Oct. 2023

The Examination was conducted for 02 days.

Date: 13/11/2023 Arrival Timing 9:30 AM/PM

Date: 14/11/2023 Departure Timing 3:30 AM/PM

He/She has been paid T.A./D.A./Local Conveyance allowance at our college.

Internal Examiner P.B. Desai

Name: Prof. P.B. Dendhanekar

Department: Civil

S. Salunkhe

Director
Director

D.Y. Patil Technical Campus
Faculty of Engineering & Faculty of Management
Talsande, Tal. Hatkanangale, Dist. Kolhapur



Dr. J. J. Magdum Trust's (No. 1/1973)
Dr. J. J. Magdum College of Engineering
 An A Grade Institution Awarded by Govt. of Maharashtra
 Approved by A. C. T. E. New Delhi. Recognized by Govt. of Maharashtra (DTE).
 A Affiliated to SHRI JEE UNIVERSITY, KOLHAPUR
 Gat No. 114/30, Shree War Road, Agarbhad, JAYSINGPUR, 416 101 Dist. Kolhapur

Ref No: HMCOE/JAY/Prac/Exam/2023/0001

To
 1) Prof. S. S. Kulkarni, Chairman
 HMCOE, Jaysingpur
 2) Prof. V. P. Kumbhar, External Examiner
 HMCOE, Jaysingpur

Sir/Madam,

With reference to University SE - Exam Of JSRK - Dated _____ I am directed to appoint you as examiner for practical/oral examination as detailed in this appointment letter. This appointment is made under Sec. 12(9) of Maharashtra University Act, 1954 and on following assumptions: That none of you have any relation of the following type appearing in the subjects of this examination of the University: Father, mother, wife, husband, son, daughter, grandson, Brother, Sister, nephew, niece, uncle and first cousin, son-in-law, daughter-in-law, brother-in-law and sister-in-law.

- (B) Son, daughter, brother, sister will be understood to include also stepson, stepdaughter, step-brother or step-sister (as the case may be).
- (vi) That none of you have coached any student or students for this examination of the university.
- (vii) That none of you are a candidate for any examination of this University other than translation Test, Ph. D., D.Sc. Examination during this season.
- (viii) That none of you is engaged in taking any private tuition/s of any student/s for any examinations of any class or
- (ix) That none of you have written any books and guides, annotation, digest or catechisms or any book or solved examples for student with reference to this examination of the university.

32 (g) is as under:-

It shall be obligatory on every teacher and on the non-teaching employee of the university, affiliated conducted or autonomous college or recognized institution to render necessary assistance and service in respect of examinations of the university. If any teacher or non-teaching employee fail to comply with the order of the university or college or institution, in this respect it shall be treated as misconduct and the employee shall be liable for disciplinary action.

In the case, where you are not considered eligible as per above assumptions you should bring this to the notice of the college along with a copy to be sent to the Chairman of the concerned board of studies.

Centre: HMCOE, JAYSINGPUR
 Department of college name:-- Geology Lab.

Class & Branch	Subject	Day And Date	Time	No of Students
1. Y CIVIL	Water Resources Engg.-I	03/01/2023 To 05/01/2023	10 a.m. to 5 pm	86

You should report well in advance to the internal examiner.
 Thanking You

Yours faithfully,

 Principal

Tel No (02322) 221830, 221829
 Fax No (02322) 221831
 E-mail (02322) kpc_jayce@yanchatnet.in

Chairman (R) 221830 (R) 228273
 Exe Dir (R) 221828 (R) 221292
 Principal (R) 221829 (Direct)

Dr. J. J. Magdum College of Engineering, Jaysingpur.
Shivaji University, Kolhapur Pr. Oral Exam. Dec. 2022
CERTIFICATE OF ATTENDANCE

Date: 05/01/2023

Oral / Practical Examination.

This is to certify Prof. Mr. V. P. Kumbhar
was present on **Three** days for the conduct of the following examination:

1) Name of the examination: **T.Y.- Civil - I**

2) Subject: **WRE - I**

3) Date on which Exam. was: **03/01/2023 To 05/01/2023**
conducted and time: **10.00 a.m. To 5.00 p.m.**

4) The total no of candidates
assessed by him was **25**

He has been paid remuneration at this college.



Name & Signature of
Internal Examiner for the
above Examination.)



PRINCIPAL.

Dr. J. J. Magdum college
of Engg. Jaysingpur

Dr. J. J. Magdum College of Engineering, Jaysingpur.
Shivaji University, Kolhapur Pr. Oral Exam. June. 2023
CERTIFICATE OF ATTENDANCE


Oral / Practical Examination.

Date: 07/06/2023


This is to certify Prof. Nitin S. Shinde
was present on one day for the conduct of the following examination:

- 1) Name of the examination:- B.E Civil - I
- 2) Subject : S W M
- 3) Date on which Exam. was : 07/06/2023 To 07/06/2023.
conducted and time. 10.00 a.m. To 5.00 p.m.

- 4) The total no of candidates
assessed by him was : 01
He has been paid remuneration at this college.


Name & Signature of
Internal Examiner for the
above Examination.




PRINCIPAL.
Dr. J. J. Magdum college
of Engg. Jaysingpur

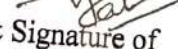
Dr. J. J. Magdum College of Engineering, Jaysingpur.
Shivaji University, Kolhapur Pr. Oral Exam. June. 2023
CERTIFICATE OF ATTENDANCE

Oral / Practical Examination.


Date: 08/06/2023

This is to certify Prof. Nitin S. Shinde
was present on two days for the conduct of the following examination:

- 1) Name of the examination.:- S.Y. Civil -II
- 2) Subject : BDD
- 3) Date on which Exam. was : 07/06/2023 To 08/06/2023.
conducted and time. 10.00 a.m. To 5.00 p.m.
- 4) The total no of candidates
assessed by him was : 42
He has been paid remuneration at this college.


Name & Signature of
Internal Examiner for the
above Examination.




PRINCIPAL.
Dr. J. J. Magdum college
of Engg. Jaysingpur



Walchand College of Engineering



(Government Aided Autonomous Institute)

Vishrambag, Sangli - 416415

CONFIDENTIAL

EXAMINATION SECTION

Email : Examcell@walchandsangli.ac.in

Ref: WCE/ES/POE/8012-10

Date: 19/05/2023

To,

Dr. A. K. Kokane &
S. M. Wandre, (Internal Examiner)

Department Civil Engineering, WCE, Sangli

Cell No: 9421128158, 9765164355, 9284581071

Dr. A. M. Zende, (External Examiner)

Asso. Professor,
DACOE, Karad

Cell No. 9822842539

Subject: Appointment as an examiner for Laboratory courses.

Dear Sir/Madam,

I am pleased to invite you as an examiner for the following examination in autonomous status.

Name of Examination : ESE POE May, 2023
Class and Branch : Final Year B.Tech Civil Engineering
Course and Course code : Project-II, 5CV492
Number of Students : 16
Date/s of Examination : 26th May 2023, (1 day)
Time : 9.00 A.M. Onwards

Kindly confirm your acceptance. In case of any queries, kindly contact Deputy Controller of Examination (DCoE). C.H. Wagh (Cell No: 8983791371). In case you are unable to accept the assignment due to any unavoidable circumstances, kindly inform immediately.

This order is drawn under the assumption that (for External as well as internal examiner)

- None of your close relative is appearing for this examination conducted by WCE, Sangli.
(Close relative means mother, father, husband, wife, sister, brother, son, daughter, cousins, blood relative.)
- You have not been debarred from examination work by any competent authority.
In case the above assumptions are not-true, kindly inform us immediately

The External Examiner will be paid Rs. 800/- towards travelling allowance (inclusive of local travel) from Karad irrespective of his mode of travel. DA shall be applicable as per rules.


DCoE
(Civil Engineering)




Controller of Examinations



Dr. J. J. Magdum Trust's (No. E/902)
Dr. J. J. Magdum College of Engineering

An 'A' Grade Institution (Awarded by Govt. of Maharashtra)
Approved by A. I. C. T. E., New Delhi. Recognized by: Govt of Maharashtra (DTE)
& Affiliated To SHIVAJI UNIVERSITY, KOLHAPUR.
Gat No. 314/330, Shiroli - Wadi Road, Agarbhag, JAYSINGPUR - 416 101. Dist.- Kolhapur.

Ref.No. JJMCOE/Exam, Prac-Oral/Dec.2022/145/7

[Date:- 28-12-2022

To,

- 1) Prof. Mrs. S. P. Madnaik Chairman.
JJMCOE, Jays.
2) Prof. A. H. Kumbhar External Examiner.
DACE, Karad

Sir/Madam,

With reference to University SU/ Exam/OE-4/SRK/ . Dated: . I am directed to appoint you as examiner for practical/oral examination as detailed in this appointment letter.

This appointment is made under Sec*. 32 (9) of Maharashtra, University Act, 1994 and on following assumptions:-

- i) That none of you have any relation of the following type appearing in any subject at this examination of the University:
Father, mother, wife, husband, son, daughter, grandson, Brother, Sister, nephew, niece, uncle, aunt, first cousin, son-in-law, daughter-in-law, brother-in-law and sister-in-law.
(N.B.:- Son, daughter, brother, sister will be understood to include also stepson, stepdaughter, step-brother or step-sister & the case may be.)
- xvii) That none of you have coached any student or students for this examination of the university.
- xviii) That none of you are a candidate for any examination of this University other than translation Test, Ph. D, D.Sc. Examination during this season.
- iv) That none of you is engaged in taking any private tuition/s of any student/s for any examination/s of any class/es.
- xix) That none of you have written any books and guides, annotation, digest or catechisms or any book of solved examples for student with reference to this examination of the university.

32 (g) is as under:-

It shall be obligatory on every teacher and on the non-teaching employee of the university, affiliated conducted or autonomous college or recognized institution to render necessary assistance and service in. respect of examinations of the university. If any teacher or non teaching employees fail to comply with the order of the university or college or institution, in this respect it shall be treated as misconduct and the employee shall be liable for disciplinary action.

In the case, where you are not considered eligible as per above assumptions, you should bring this to the notice of the undersigned with a copy to be sent to the Chairman of the concerned board of studies.

Centre.....JJMCOE, JAYSINGPUR
Laboratory of college name.— GT. Lab.

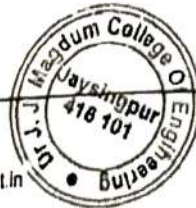
Class & Branch	Subject	Day And Date	Time	No. of Students
T. Y. Civil-I	Geotechnical Engg.- I	03/01/2023 To 05/01/2023	10a.m. to 5 pm	87

You should report well in advance to the internal examiner.

Thanking You.

Yours faithfully,

Princip
Principal.



Tel No. : (02322) 221825, 221827
Fax No. : (02322) 221831
E-mail : (02322) kpr_jjmcoe@sancharnet.in

Chairman : (0) : 221830, (R) : 228273
Exe. Dir. : (0) : 221828, (R) : 221292
Principal : (0) : 221829 (Direct)



Dr. J. J. Magdum Trust's (No. F/902)
Dr. J. J. Magdum College of Engineering

An 'A' Grade Institution (Awarded by Govt. of Maharashtra)
Approved by A. I. C. T. E., New Delhi, Recognized by Govt. of Maharashtra (DTE)
& Affiliated To BHIVAJI UNIVERSITY, KOLHAPUR
Gat No. 314/330, Bhirol - Wadi Road, Agarbhag, JAYSINGPUR - 416 101 Dist. - Kolhapur

Ref No. JIMCOE/Exam/Prac-Oral/Dec. 2022/14A/4

Date: 28-12-2022

To,
1) Prof. K. G. Ghodake Chairman
JIMCOE, Jays
2) Prof. A. H. Kumbhar External Examiner
DACT, Katad

Sir/Madam,

With reference to University SU/Exam/OE-4/SRK/ , Dated: , I am directed to appoint you as examiner for practical/oral examination as detailed in this appointment letter.

This appointment is made under Sec* 32 (9) of Maharashtra, University Act, 1994 and on following assumptions -

- That none of you have any relation of the following type appearing in any subject at this examination of the University:
Father, mother, wife, husband, son, daughter, grandson, Brother, Sister, nephew, niece, uncle, aunt, first cousin, son-in-law, daughter-in-law, brother-in-law and sister-in-law.
(N.B.- Son, daughter, brother, sister will be understood to include also stepson, stepdaughter, step-brother or step-sister & the case may be.)
- That none of you have coached any student or students for this examination of the university.
- That none of you are a candidate for any examination of this University other than translation Test, Ph. D, D.Sc. Examination during this season.
- That none of you is engaged in taking any private tuition/s of any student/s for any examination/s of any class/es.
- That none of you have written any books and guides, annotation, digest or catechisms or any book of solved examples for student with reference to this examination of the university.

32 (g) is as under:-

It shall be obligatory on every teacher and on the non-teaching employee of the university, affiliated conducted or autonomous college or recognized institution to render necessary assistance and service in respect of examinations of the university. If any teacher or non-teaching employees fail to comply with the order of the university or college or institution, in this respect it shall be treated as misconduct and the employee shall be liable for disciplinary action.

In the case, where you are not considered eligible as per above assumptions, you should bring this to the notice of the undersigned with a copy to be sent to the Chairman of the concerned board of studies.

Centre,JIMCOE, JAYSINGPUR

Laboratory of college name.--- MT Lab.

Class & Branch	Subject	Day And Date	Time	No. of Students
T. Y. Civil-II	SDD-I	05/01/2023	10a.m. to 5 pm	02

You should report well in advance to the internal examiner.

Thanking You,

Yours faithfully,

Principal.



Tel No. : (02322) 221825, 221827
Fax No. : (02322) 221831
E-mail : (02322) kpr jimcoe@sancharnet.in

Chairman : (0) : 221830, (R) : 228273
Exe. Dir : (0) : 221828, (R) : 221292
Principal : (0) : 221829 (Direct)


Dr. J. J. Magdum College of Engineering, Jaysingpur
Shivaji University, Kolhapur Pr. Oral Exam. Dec. 2022
CERTIFICATE OF ATTENDANCE

Oral / Practical Examination.

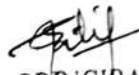
Date: 05/01/2023

This is to certify Prof. **Mr. A.H.Kumbhar**
was present on **Three** days for the conduct of the following examination:

- 1) Name of the examination: **T.Y.- Civil - I**
- 2) Subject: **GT-I**
- 3) Date on which Exam. was: **03/01/2023 TO 05/01/2023**
conducted and time. **10.00 a.m. To 5.00 p.m.**
- 4) The total no of candidates
assessed by him was : **8**
He has been paid remuneration at this college.


Name & Signature of
Internal Examiner for the
above Examination.




PRINCIPAL.
Dr. J. J. Magdum college
of Engg. Jaysingpur

Dr. J. J. Magdum College of Engineering, Jaysingpur.
Shivaji University, Kolhapur Pr. Oral Exam. Dec. 2022
CERTIFICATE OF ATTENDANCE

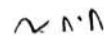
Oral / Practical Examination.

Date: 05/01/2023

This is to certify Prof. **Mr. A.H.Kumbhar**
was present on **One** days for the conduct of the following examination:

- 1) Name of the examination: **T.Y.- Civil - II**
- 2) Subject: **SDD-I**
- 3) Date on which Exam. was: **05/01/2023**
conducted and time. **10.00 a.m. To 5.00 p.m.**
- 4) The total no of candidates
assessed by him was : **01**
He has been paid remuneration at this college.






Dr. J. J. Magdum College of Engineering, Jaysingpur.
Shivaji University, Kolhapur Pr. Oral Exam. June. 2023
CERTIFICATE OF ATTENDANCE

Oral / Practical Examination.


Date: 12/06/2023

This is to certify Prof. S. P. Chavan
was present on _____ days for the conduct of the following examination:

- 1) Name of the examination:- T.Y. Civil - II
- 2) Subject : Envi. Engg - II
- 3) Date on which Exam. was : 10/06/2023 To 12/06/2023.
conducted and time. 10.00 a.m. To 5.00 p.m.
- 4) The total no of candidates
assessed by him was : 64
He has been paid remuneration at this college.


Name & Signature of
Internal Examiner for the
above Examination.




PRINCIPAL.
Dr. J. J. Magdum college
of Engg. Jaysingpur

Dr. J. J. Magdum College of Engineering, Jaysingpur.
Shivaji University, Kolhapur Pr. Oral Exam. June. 2023
CERTIFICATE OF ATTENDANCE

Oral / Practical Examination.

Date: 12/06/2023

This is to certify Prof. P. S. Lokare
was present on two days for the conduct of the following examination:

- 1) Name of the examination:- B. Tech Civil - II
- 2) Subject: Engg. Management
- 3) Date on which Exam. was: 10/06/2023 To 12/06/2023.
conducted and time. 10.00 a.m. To 5.00 p.m.

4) The total no of candidates
assessed by him was : 63
He has been paid remuneration at this college.

Name & Signature of
Internal Examiner for the
above Examination.



PRINCIPAL.
Dr. J. J. Magdum college
of Engg. Jaysingpur

Dr. J. J. Magdum College of Engineering, Jaysingpur.
Shivaji University, Kolhapur Pr. Oral Exam. June. 2023
CERTIFICATE OF ATTENDANCE

Oral / Practical Examination.

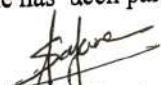
Date: 06/06/2023

This is to certify Prof. P. S. Lobare,
was present on two days for the conduct of the following examination:


- 1) Name of the examination:- S.Y. Civil -II
- 2) Subject : Surveying - II
- 3) Date on which Exam. was : 05/06/2023 To 06/06/2023.

conducted and time. 10.00 a.m. To 5.00 p.m.

- 4) The total no of candidates
assessed by him was : 42
He has been paid remuneration at this college.


Name & Signature of
Internal Examiner for the
above Examination.




PRINCIPAL.
Dr. J. J. Magdum college
of Engg. Jaysingpur



DACOE Karad <tpokarad@gmail.com>

Symbiosis Training- Orientation & Assessment Date: 11/02/2023@ 10:30 am at DACOE- AUDITORIUM

1 message

DACOE Karad <tpokarad@gmail.com>

Fri, Feb 10, 2023 at 5:25 PM

To: 11_Anuja Gaikwad <anujagaikwad546@gmail.com>, siddhantharne1512@gmail.com, 41_Karan More <karanmore414@gmail.com>, pratikshapatil0818@gmail.com, shubhankarnikam1116@gmail.com, muskanmulani921@gmail.com, kiranyadav96k@gmail.com, manalijadhav398@gmail.com, khabalega2019@gmail.com, salinamulla121@gmail.com, omkarsawant595@gmail.com, mrunalishinde634@gmail.com, 72_Vishwajit Suryawanshi <suryawanshiv2001@gmail.com>, snehalningadale5@gmail.com, amimansuriya@gmail.com, misalshivani26@gmail.com, dikshaadsule2001@gmail.com, revatodkar3199@gmail.com, sheteshravani@gmail.com, rutujauta@gmail.com, tirmare1591@gmail.com, 48_Neha Pansande <nehapansande@gmail.com>, kckadam11@gmail.com, ektasawant141@gmail.com, trupti152001@gmail.com, patilds152001@gmail.com, guravbhagyashree3011@gmail.com, sohansutar2468@gmail.com, pallavikatre1301@gmail.com, ashwinbpatil00@gmail.com, harshadatapase2001@gmail.com, divyachavan784@gmail.com, rohitkumbhar219@gmail.com, javed192000@gmail.com, ishasbondre@gmail.com, pranaligharge162001@gmail.com, 56_Aishwarya Pawar <aishupawar666@gmail.com>, namratashinde055@gmail.com, pritimore078@gmail.com, 02020shraddha@gmail.com, chavan.mayurivikas20@gmail.com, mayurid132@gmail.com, sdeshmane789@gmail.com, sandipreke9@gmail.com, vishwajeetsuryawanshi11@gmail.com, shinderutuja2007@gmail.com, pshambhuraj150@gmail.com, kolirutuja466@gmail.com, karandesai.ig@gmail.com, sohansutar9767@gmail.com, azruddinattar313@gmail.com, radhikamane0623@gmail.com, rajeuday6@gmail.com, kumbharpraju3911@gmail.com, kadam7.rohan12@gmail.com, bhosaleabhishek777@gmail.com, swaliharoonmulla192@gmail.com, 02_Nikita Adake <adakenikita06@gmail.com>, akshaykadam.ak407@gmail.com, ganeshbagal1710@gmail.com, 053_rutuja girigosavi <Rutujagirigosavi302000@gmail.com>, Parthgarware@gmail.com, dhanshrikhandagale7@gmail.com, vishwajeet6nov@gmail.com, aditjadhav88339@gmail.com, sahilshirwadkar1438@gmail.com, omkarpawar400@gmail.com, kadammonali2000@gmail.com, shraddhakate22@gmail.com, trushnapandugade@gmail.com, akankshapol20@gmail.com, kalyanimahamuni168@gmail.com, rushikeshnavadkar@gmail.com, yashshah2245@gmail.com, kadamomkarentc@gmail.com, dhanashriyedge@gmail.com, ynikita319@gmail.com, umane4344@gmail.com, ruksarpatel1551@gmail.com, pranali989013@gmail.com, mayuriyadav168@gmail.com, kshirsagarvaishnavi915@gmail.com, ajinkya8863@gmail.com, rajsinhjadhav4411@gmail.com, 80_Samiksha yadav <yadavsamiksha777@gmail.com>, aaryaaa1804@gmail.com, vaishnavipawar7744@gmail.com, benzirmulla5@gmail.com, shreyajadhav8784@gmail.com, kamblevarsha863@gmail.com, rohitdange2814@gmail.com

Cc: Anagha Kadve <arkadve.cse@daco.ac.in>, Bhagyashri Kadam <bskadam.etc@daco.ac.in>, Vinayak Yadav <vdyadav.mech@daco.ac.in>, spchavan.civil@daco.ac.in, hod_etc@daco.ac.in, Shital Kakade <spkakade.cse@daco.ac.in>, sjmulani.mech@daco.ac.in, Abhijeet Zende <zenabhi31@gmail.com>

Bcc: soil mech <soil.mech30@gmail.com>, ammailtp@rediffmail.com

Gentle Reminder

Dear All,

Greetings from AGTI's DACOE, Karad & Symbiosis Skills & Professional University, Pune!!!

It gives us immense pleasure to inform you that, Symbiosis Skills & Professional University has come up with Free of Cost, Job Oriented Training along with Project based, industry aligned curriculum and focus on Hands on skilling.

1) Certificate Course in JAVA FULL STACK

Duration- 3.5 months

Daily 3 to 4 hrs Classroom & Lab Training at CSE Dept. AGTI's DACOE- Karad

Branches applicable- CSE & ENTC

Batch- B. Tech. 2021/2022/2023

2) Certificate Course in SOFTWARE TESTING

Duration- 3.5 months

Daily 3 to 4 hrs Classroom & Lab Training at CSE Dept. AGTI's DACOE- Karad

Branches applicable- MECH, ENTC (Civil if Interested)

Batch- B. Tech. 2023/2022/2021

Selection Process:

1) Orientation Session

2) Aptitude Test

3) Personal Interview or Group Discussion

Date & Time of Selection Process:

Date: 11/02/2023 Time: 10:30 am

Venue: Auditorium

The students have to report to college on 11/02/2023 at 10:30 am and follow the process, the students who don't attend the process, won't be entertained

--

**Best Regards,
Prof. Prakash Dipak Bansode
Training & Placement Officer
Dr. Daulatrao Aher College of Engineering, Karad
Mob: 7028993889
Email Id: tpo@dacoe.ac.in &
pdbansode2@gmail.com
Website :www.dacoe.ac.in/**

Skill Training By Symbiosis Skills University.

2 messages

Baliram Bondge <baliram.bondge@sspu.ac.in>

Wed, Feb 1, 2023 at 3:27 PM

To: "tpo@dacoe.ac.in" <tpo@dacoe.ac.in>

Cc: CP Ashok <cp.ashok@soes.ac.in>, headacademics <headacademics@soes.ac.in>

Dear Sir,

As discussed , we will complete our further admission process on 11th Feb 23 at 11 am. Further process would be as mentioned below.

1. We will conduct half an hour orientation session for all the students where we brief them about our Symbiosis training programs, prerequisites, selection process, etc.
2. We will conduct half and hour online aptitude test for all eligible students. (it is basic aptitude test only where we try to understand their logical and analytical skills)
3. One on one PI will be conducted for all the eligible students. (To check their skill level and to collect their basic information like their interest, family background, seriousness etc.)(it will take 2-5 minutes for each student)

Students will get final confirmation about their selection after their test and PI only.

Students no need to carry any documents on same day. We will complete selection process first, all selected students can submit their documents on first day of training only.

Please inform all the students in advance & collect their confirmations on google form, Please let me know if you have any concern.

Regards'

Baliram Bondge.

AGTI's DACOE Karad <tpo@dacoe.ac.in>

Wed, Feb 1, 2023 at 3:51 PM

To: Baliram Bondge <baliram.bondge@sspu.ac.in>

Cc: CP Ashok <cp.ashok@soes.ac.in>, headacademics <headacademics@soes.ac.in>

Acknowledged.

[Quoted text hidden]

--



"Success is never an accident. It is always the result of a commitment to excellence, intelligent planning and focused effort."

**Best Regards,
Prof. Prakash Dipak Bansode
Training & Placement Officer
Dr. Daulatrao Aher College of Engineering, Karad
Address: Vidyanagar, Extn. Banawadi Tal- Karad Dist- Satara
Contact Details : Mob: 7028993889
Email Id: tpo@dacoe.ac.in &
pdbansode2@gmail.com
Website :www.dacoe.ac.in/**



**SYMBIOSIS SKILLS AND PROFESSIONAL
UNIVERSITY**

Certificate Course in Java and Advanced Java Programming Concepts

Program Structure

2021-22

Course Curriculum Pack

Program Name	Certificate Course - Java and Advanced Java Programming Concepts		
Version No	1.0	Version Update date	
Pre-requisite	<ul style="list-style-type: none"> • Knowledge of computer fundamentals 		
Skills Students Acquire at end of the course	<i>Generic:</i> Communication skills (spoken, basic), Presentation Skills <i>Technical:</i> Collate and Analyze Data, Use Java and Advanced Java for Programming.		
Duration	3 Months (300 Hours)		
Credits (Total)	15		
Name of School	School of		
Eligibility (Educational)	Graduate (BE All stream) MCA/ MSC (IT/CS) (BSC/ BCA Pass out 2021 or 2020 with minimum 50% from SSC to all semesters of graduation		
Course Objective	<ul style="list-style-type: none"> • To learn why Java is useful for the design of desktop and web applications • To learn how to implement object-oriented designs with Java • To identify Java language components and how they work together in applications • To design and program stand-alone Java applications. • To learn how to design a graphical user interface (GUI) with Java Swing. • To understand how to use exception handling in Java applications • To understand how to design GUI components with the Java Swing API • To learn Java generics and how to use the JAVA collections API • To understand how to design applications with threads in Java. • To learn how to read and Write files in Java. 		
Course Outcomes	Learning	After completing this programme, participants will be Be able to: <ul style="list-style-type: none"> • Codes basic programs in Java programming language. • Prints to the screen in Java language. • Makes relational operations in Java. • Constructs loops in Java. • Defines arrays in Java and uses them. • Uses objects and classes. • Declares objects and classes. • Distinguishes classes and objects. 	

	<ul style="list-style-type: none"> • Use an integrated development environment to write, compile, run, and test simple object-oriented Java programs. • Read and make elementary modifications to Java programs that solve real-world problems. • Validate input in a Java program. • Identify and fix defects and common security issues in code. • Document a Java program using Javadoc. • Use a version control system to track source code in a project.
Intake Capacity	
Fees (if applicable)	

Credit Structure and weekly hour plan

Symbiosis Skills and Professional University										
School of Data Science										
Course Structure of Certificate Course - Java and Advanced Java Programming Concepts – 3 Months (12 Weeks)										
Sr.No.	Module Code	Module Name	Total Hours/Week	Hours			Credits			
				L	P	S	L	P	S	Total Credits
1	JP101	Basic programming and Object Oriented Programming using Java	4	0	2	2	0	1	2	3
2	JP102	Java Destructor and Multithreading	4	0	2	2	0	1	2	3
3	JP103	Java Database Connectivity	5	0	2	3	0	1	3	4
4	JP104	Advance Java	3	0	0	3	0	0	3	3
5	JP105	JEE FULL STACK 2.0 WITH ANGULAR	48/5	0	2	3	0	1	3	4
6	JP106	Project	2	0	0	2	0	0	2	2
7	-	Continuous assessment	2	-	-	-	-	-	-	-
		Total	25	0	6	12	0	3	12	19
Total Credits: 19										

Total Hours (Weekly) : 26
12 weeks x 18 hrs/week = 468 hrs
26 weeks x 18 hrs/week = 468 hrs + 30 hrs for Examination and Evaluation = 498 hrs

Examination Scheme:

Module Code	Module Name	CAT	CAP	ESET	ESEP	SA	Total
JP101	Basic programing and Object Oriented Programing using Java	50	40	50	40	20	200
JP102	Java Destructor and Multithreading	50	40	50	40	20	200
JP103	Java Database Connectivity	50	40	50	40	20	200
JP104	Advance Java	50	0	50	0	20	120
JP105	JEE FULL STACK 2.0 WITH ANGULAR	50	0	50	0	20	120
JP105	Project	0	0	0	0	30	30
Total Mark							840+30(Projet)= 870

Evaluation / Grade criteria as per University norms

39, 40 & 41		LO63: Be able to understand comprehensive infrastructure support for developing Java applications.													
		LO64: Be able to understand an introduction to the spring framework where you will learn what spring is and its capabilities.													
42 & 43		LO65: Add advanced functionality to web applications using jQuery, AngularJS, Bootstrap, Type Script or Sass.													
		LO66: learn Spring framework offers hands-on experience building Spring Framework applications using Spring Boot.													
		LO67: Be able to create applications with Spring Boot, the modern way to create new spring													
44 & 45		LO68: Learn spring data module LO69: Learn the framework that sits on top of JPA and Hibernate and builds on both of these with Spring-centric functionality.													

46 & 47		LO70: Learning Spring data JPA with Spring Boot													
		LO71: Able to apply fundamentals of web services													
		LO72: Know and be able to describe building REST services with Spring													
48 & 49	Unit testing	LO73: Be able to improve the quality of the code													
		LO74: Learning to identify every defect that may have come up before code is sent further for integration testing													
		LO75: Be able to write tests before actual coding makes you think harder about the problem													
50	ES6 & Typescript	LO76: Understand the functions of arrow and default arguments													
		LO77: Be able to describe and utilize Typescript Fundamentals													
		LO78: Know and be able to determine when to use an interface or a class to define the structure of an object													

51	JEE Full Stack 2.0 with Angular Agile SCRUM	LO87:Learn Sprint 1 implementation with code reviews of L&D and BU trainer													
		LO88: Sprint 2 implementation with code reviews of L&D and BU trainer													
52	Core Java	LO89:Understand Declarations and Access Control													
		LO90:Learn Object Orientation													
		LO91:Learn operators													
		LO92: Learn Flow Control, Exceptions													
		LO93: Learn Gradle Fundamentals													
		LO94: Learn TDD with JUnit 5													
		LO95: Learn Strings, I/O, Formatting, and Parsing													
		LO96: Learn Generics and Collections													
		LO97: Learn Threads													

		LO112:Pipes,Services & Dependency Injection												
		LO113: Learn Template-Driven and Reactive Forms												
		LO114: Components Deep Dive / Routing												
		LO115: Http Requests / Observables												
		LO116:Understand Authentication and Route Protection												

Curriculum

Module/Unit	Pre-requisite for module	Learning Outcome (LO to come in separate cells)	Sub Topics (There may be multiple topics to achieve one LO)	Instructional Activities (IAs should be mapped with sub topics as much)	Duration (hrs) (Hrs are as required for that IA)
Getting	Java-Overview	Lo1: Be able to Understand how to install and use a good Java development environment.	<ul style="list-style-type: none"> • Setup development environment (JRE, JDK, eclipse) • Features of java • JVM Architecture 	Demonstrate and lab activity how to write Java programs to:	
		LO2: Understand Java programming basics			

Started		LO3: Begin using the Java programming language.	<ul style="list-style-type: none"> • JDK and its usage • Structure of java class • Writing your first Java program • About main () method • Constructor in Java 	<ul style="list-style-type: none"> • Print Hello World • Add two numbers/binary numbers/characters • Calculate compound interest • Calculate power of a number • Swap two numbers 	
		LO4: Learn basics of programming with a modern programming language, Java			
		LO5: Learn how to take a problem, figure out the algorithm to solve it, the write the code.			
		LO5: Understand Structure of java class			
		LO6: Be able to write Java programs			
2	Introduction to Class and Objects	LO6: learn Object-Oriented programming concepts and techniques using the Java programming language	<ul style="list-style-type: none"> • Class & Object • Access Specifier • Java Data Types, Primitives and Binary Literals 	Demonstrate and lab activity how to write Java programs to: <ul style="list-style-type: none"> • Calculate area of rectangle • Calculate area and circumference of circle using multiple classes • Java program to find ASCII value of a character 	
		LO7: Be able to identify classes, objects, members of a class and relationships among them needed for a specific problem			
3	Operators	LO8: Understand initialization of relational operators , logical operators, Arithmetic operators , Unary Operator, Ternary Operator , Assignment Operator	<ul style="list-style-type: none"> • Arithmetic Operator • Relational Operator • Logical Operator • Unary Operator • Ternary Operator • Assignment Operator 		
		LO9: Understand how to evaluate relational operators, logical operators, Arithmetic operators, Unary Operator, Ternary Operator, and Assignment Operator.			

4	Conditional and Looping Statement's	LO10: Understand the concept of conditional looping	<ul style="list-style-type: none"> • If, else if, switch • break & continue keyword • for loop • while loop • do while loop • static & final keyword • Recursion 	<p>Demonstrate and lab activity how to write Java programs to:</p> <ul style="list-style-type: none"> • Display prime numbers between 1 and 100 or 1 and n • Swap two variables without using the third variable • Find the factorial of a number • Check if a number is palindrome or not • Print Fibonacci series till n • Add two integer variables in 5 different ways using functions and control statement • Find square root of a number without sqrt method • Check Armstrong number • Calculate grades of students using their marks • Use switch case, recursion, print patterns, etc. 	
		LO11: Practical implementation of conditional and looping statements.			
		LO12: Determine the method of recursion			
		LO13: Demonstrate how to initiate arrays	• Initializing an Array in Java		

5	Arrays	LO14: Understand the difference between a copy and an alias of an array	<ul style="list-style-type: none"> • Two dimensional array in java • Java Variable Arguments explained • Add, update, read array elements • Sorting and searching in array • Java String Array to String • How to copy arrays in Java 	<p>Demonstrate and lab activity how to write Java programs to:</p> <ul style="list-style-type: none"> • Calculate average of numbers using Array • Reverse an array • Sort an array in ascending order • Convert char Array to String • Add two Matrix using Multi-dimensional Arrays • Sort strings in alphabetical order • Find out the highest and second highest numbers in an array • Concatenate two arrays 	
		LO15: Understand initialization of add, update, read array elements			
6 &7	Object Oriented Programming	LO16: Understand the concept of Object Oriented Programming	<p>Introduction to OOP concepts Encapsulation Inheritance: single & multilevel Inheritance: Hierarchical Polymorphism: Compile time and runtime polymorphism Rules of overriding and overloading of methods super and this keywords Up casting & down casting of a reference variable</p>	<p>Demonstrate and lab activity to create a class Employee and encapsulate the data members.</p> <p>Demonstrate and lab activity create demo applications to illustrate different types of inheritance.</p>	
		LO17: Demonstrate the complete program using object-oriented programming concepts			
		LO18: Practical implementation of single and multilevel inheritance			

8	Abstract class and Abstract Methods	LO19: Be able to define, describe and correctly program classes and objects .	Abstract class and abstract methods Interface (implementing multiple interfaces) Final variables, final methods and final class Functional interface New interface features(Java 8 & above) Lambda expression and stream API Arrays Enumerations	Demonstrate and lab activity to create an Array of Employee class and initialize array elements with different employee objects. Try to understand the no of objects on heap memory when any array is created.	
		LO20: Be able to apply final variables, final methods and Final class			
9	Access Modifiers and Garbage Collection	LO21: A conceptual and practical implementation to the basic concepts and techniques of access modifiers	Access modifiers(public, private, protected and default) Packages and import statements. Static imports Constructor chaining (with and without packages) Accessing protected variables and methods outside the package Garbage collection in java Requesting JVM to run garbage collection Different ways to make object eligible for garbage collection: (Nulling a reference variable, Re-assigning a reference variable & island of isolation) Finalize method	Demonstrate and lab activity to create a demo application to understand the role of access modifiers. Implement multilevel inheritance using different packages. Access/invoke protected members/methods of a class outside the package. Override finalize method to understand the behavior of JVM garbage collector.	
		LO22: Demonstrate how to imports Static			
		LO23:To understand constructor chaining(with and without packages)			
		Lo24: Be able to understand JVM to run garbage collection.			
10 & 11	Wrapper Classes and String Class	LO25: Be able to importance of wrapper classes in Java	Wrapper classes and constant pools String class, StringBuffer & StringBuilder class String pool	Demonstrate and lab activity to create sample	

		LO26: Practical demonstration on to sample classes to understand boxing & unboxing.		classes to understand boxing & unboxing. Use different methods of java defined wrapper classes. Create StringDemo class and perform different string manipulation methods	
12&13	Exception Handling	LO27:Be able to understand Exception Handling	Exception hierarchy, Errors, Checked and un-checked exceptions Exception propagation try-catch-finally block , throws clause and throw keyword Multi catch block Creating user defined checked and unchecked exceptions	Demonstrate and lab activity to create user defined checked and unchecked exceptions.	
		LO28:Practical implementation to concept of Exception Handling			
		LO29: Understand the concept of classes, inheritance, inner classes, exception Handling and multi-threading to do parallel programming.			
14&15	java.io, java.nio and java.util Package	LO30: Be able to describe java.io, java.nio and java.util Package	Brief introduction to InputStream, OutputStream, Reader and Writer interfaces NIO package Serialization and de-serialization Shallow copy and deep copy Object Class & java.util Package Date, DateTime, Calendar class Converting Date to String and String to Date using SimpleDateFormat class Object Class: Overriding to String, equals & hashCode method	Demonstrate and lab activity to create a Demo class to Read & write image/text files. Create Serialization Demo class to illustrate serialization and de-serialization process.	
16,17 & 18	Collections	LO31: Be able to understand hierarchy in the Collections Framework of Java	Introduction to collections: Collection hierarchy List, Queue, Set and Map Collections List Collection: • ArrayList, LinkedList	Demonstrate and lab activity to create Date Manipulator class to convert String to	

		<ul style="list-style-type: none"> • Vector (insert, delete, search, sort, iterate, replace operations) <p>Collections class Comparable and Comparator interfaces Queue collection</p>		<p>date, date to String and to find out number of days between two dates. Demonstrate and lab activity to create a List of java defined wrapper classes and perform insert/delete/search /iterate/sort operations. Create a collection of Employee class and sort objects using comparable and comparator interfaces. Implement Queue data structure using LinkedList and Queue collection.</p>	
		<p>Set Collection:</p> <ul style="list-style-type: none"> • HashSet, LinkedHashSet & TreeSet collection • Backed set collections <p>Map Collection:</p> <ul style="list-style-type: none"> • Hashtable, HashMap, LinkedHashMap & TreeMap classes • Backed Map collections <p>Generics Concurrent collections</p>		<p>Demonstrate and lab activity to create an Employee HashSet collection and override equals & hashCode methods to understand how the set maintains uniqueness using these methods. Create a Sample class to understand generic assignments using</p>	

				“? extends SomeClass” , “? super someclass ” and “?”.	
19 & 20	Multithreading & Synchronization	LO32: Be able to understand objective of multithreading	<p>MultiThreading : Thread class and Runnable Interface sleep, join, yield, setPriority, getPriority methods ThreadGroup class</p> <p>Synchronization Deadlock Wait, notify and notify All methods Inner classes</p>	<p>Invoke private methods of some other class using reflection. Create multiple threads using Thread class and Runnable interfaces. Assign same task and different task to multiple threads. Understand sleep, join, and yield methods.</p>	
		LO33: Initialization understanding in synchronization necessary in multithreaded programming		<p>Demonstrate and lab activity to create a Deadlock class to demonstrate deadlock in multithreading environment. Implement wait, notify and notify All methods.</p> <p>Demonstrate how to share threadlocal data between multiple threads. Create multiple threads using</p>	

				anonymous inner classes.	
21,22 & 23	Database & SQL	LO34: Be able to understand basic SQL Syntax	<p>Introduction to Relational Model Understanding Basic SQL Syntax SELECT, INSERT, UPDATE, DELETE Querying Data with the SELECT Statement The SELECT List SELECT List Wildcard (*) The FROM Clause How to Constrain the Result Set DISTINCT and NOT DISTINCT</p> <ul style="list-style-type: none"> Filtering Results with the Where Clause WHERE Clause Boolean Operators The AND Keyword The OR Keyword Other Boolean Operators BETWEEN, LIKE, IN, IS, IS NOT Shaping Results with ORDER BY and GROUP BY ORDER BY Set Functions Set Function And Qualifiers <p>GROUP BY HAVING clause</p> <ul style="list-style-type: none"> Matching Different Data Tables with JOINS CROSS JOIN INNER JOIN OUTER JOINS LEFT OUTER JOIN RIGHT OUTER JOIN FULL OUTER JOIN SELF JOIN Creating Database Tables CREATE DATABASE CREATE TABLE NULL Values PRIMARY KEY CONSTRAINT ALTER TABLE DROP TABLE 		
		LO35: Be able to write SQL commands to create tables and indexes, insert/update/delete data, and query data in a relational DBMS.			
		<p>LO36: An ability to use and apply current technical concepts and practices in the Database & SQL</p> <p>An ability to use and apply current technical concepts and practices in the Database & SQL</p>			
24 & 25	J2EE Overview	LO37: learn the Internet Programming, using J2EE	<p>J2EE Overview</p> <ul style="list-style-type: none"> J2EE Container Packaging Web applications • J2EE compliant web application Deployment tools. Web application life cycle Deploying web applications. Web Services Support JDBC & Transaction Management 	Perform database CRUD operations using JDBC classes and interfaces.	
		LO36: Understand the JDBC architecture.			
		LO38: map Java classes and object associations to relational database tables			

		LO39: Apply the concepts of JDBC, Transaction processing, statement objects and Result set to perform operations on Database	<ul style="list-style-type: none"> • Introduction to JDBC API • JDBC Architecture • JDBC Drivers <ul style="list-style-type: none"> • JDBC Classes & Interfaces: Driver, Connection, Statement, Prepared Statement, Result Set • Stored procedures and functions Invocation • Design Pattern: Data Access Object Pattern 		
26	Architecture of Web	LO40: Understand how does internet works	<p>Brief history of the Internet How does the Internet work? Internet Protocol; HTTP Domain Names; Domain Name Service servers HTTP Protocols</p> <ul style="list-style-type: none"> o Difference between HTTP1.0, HTTP 1.1, and HTTP 2.0 o Methods – GET, POST, HEAD, PUT, DELETE, etc. Status codes <p>Stateless nature of the protocol and HTTP Session</p> <ul style="list-style-type: none"> o HTTPS Architecture of the Web <p>Web servers – IIS, Apache server</p>	<p>Exploring different browsers Mozilla Firefox, Google Chrome, Safari</p> <p>Exploring different text editors</p> <ul style="list-style-type: none"> o Windows: Notepad++, Linux: Gedit or Vim or Emacs 	
		LO41: Understand the development of web application architecture leading to a more modular approach			
		LO42: Be able to understand HTTP1.0, HTTP1.1 and HTTP2.0			
		LO43: An ability to use and apply Methods – GET, POST, HEAD, PUT, DELETE, etc			
27 & 28	HTML	LO44: learn the HTML programming	<p>Introduction to HTML Document Object Model (DOM) Basic HTML Tags</p> <ul style="list-style-type: none"> o Alignment, Headings, Anchor, Paragraph, Image, Lists, Tables, and iFrames <p>HTML5</p> <ul style="list-style-type: none"> o New features in HTML5 o New elements, new attributes, link relations, microdata, ARIA accessibility o HTML5 Validation o Audio & Video Support <p>HTML Forms & Controls</p> <ul style="list-style-type: none"> o Input, Text Area, Radio Button, Checkbox, Dropdown, Submit, Reset, Button, etc. 	<p>Demonstrate and lab activity to create a HTML form for building a resume.</p>	
		LO45: Be able to understand the concept of HTML tags and uses			
		LO46: Demonstrate the features of HTML5			
		LO47: Be able to describe HTML Forms & Controls			
29 & 30		LO48: A conceptual and practical implementation of CSS	Introduction to CSS, Styling HTML with CSS, Structuring pages with CSS, Inline	Demonstrate and lab activity to	

	Cascading Style Sheets (CSS)		CSS, Internal CSS, External CSS, Multiple styles, CSS Fonts CSS Box Model id Attribute, class Attribute HTML Style Tags Linking a style to an HTML document	apply inline, internal and external CSS to change colors of certain text portions, bold, underline, and italics certain words in the previously created HTML resume form.	
		LO49: Practical implementation of CSS types			
31	Responsive Web Design	LO50: Identify the key functional elements of web pages	Introduction of UI Scripting The Best Experience for All Users o Desktop, Tablet, Mobile Bootstrap o Overview of Bootstrap, Need to use Bootstrap o Bootstrap Grid System, Grid Classes, Basic Structure of a Bootstrap Grid o Typography o Components – Tables, Images, Jumbotron, Wells, Alerts, Buttons, Button Groups, Badges/Labels, Progress Bars, Pagination, List Groups, Panels, Dropdowns, Collapse, Tabs/Pills, Navbar o Forms, Inputs o Bootstrap Themes, Templates Lab	Demonstrate and lab activity to update the design of the Resume form using Bootstrap	
		LO51: Use Bootstrap components to realize page designs			
		LO52: Be able to understand why users need to know where they are, where they can go and what is on a web page			
		LO53: Be able to Identify the key functional elements of web pages			
		LO54: Apply the concepts of various components.			
32 & 33	JavaScript	LO55: Be able to describe and utilize JavaScript programming concepts such as variables, arrays, conditionals, and loops	Introduction to JavaScript Variables in JavaScript Statements, Operators, Comments, Expressions, and Control Structures JavaScript Scopes Strings, String Methods Numbers, Number Methods Boolean Values Dates, Date Formats, Date Methods Arrays, Array Methods	Demonstrate and lab activity to Practice writing basic JavaScript programs for better understanding of the language constructs	

		LO56: Scripting or programming language that allows you to implement complex things on web pages	Objects, Object Definitions, Object Properties, Object Methods, Object Prototypes Functions, Function Definitions, Function Parameters, Function Invocation, Function Closures Object Oriented Programming o Method, Constructor, Inheritance, Encapsulation, Abstraction, Polymorphism	Demonstrate and lab activity to write a JavaScript program to sort a list of elements by implementing a sorting algorithm. Demonstrate and lab activity to write a JavaScript program to list the properties of a JavaScript object.	
34 & 35	JavaScript DOM	LO57:Learn about object model basics,	Document Object Model (DOM) o Object hierarchy in JavaScript o HTML DOM, DOM Elements, DOM Events o DOM Methods, DOM Manipulation Forms, Forms API, Forms Validation Regular Expressions Errors, Debugging Introduction to Browser Dev Tool Pushing code quality via JSLint tool	Demonstrate and lab activity to write a JavaScript function to get First and Last name from the previously created Resume form Validate the entire Resume form using client-side JavaScript Demonstrate and lab activity to write a JavaScript function to validate whether a given value is RegEx or not.	
		LO58: Utilizing JavaScript with HTML and CSS to create a web application.			
		LO59: Implement program logic using JavaScript.			

		LO60: Implement HTML5 APIs using JavaScript Capture user input using forms			
36,37 &38	Hibernate Framework	LO61: Understand about the Hibernate	<ul style="list-style-type: none"> • Hibernate Framework • Introduction to Hibernate Framework Architecture • Hibernate in IDE <ul style="list-style-type: none"> o Creating web application using Hibernate API o Lifecycle of Hibernate Entities • HB with annotation example • Hibernate Mappings and Relationships • Collection and Component Mapping • HQL, Named Queries, Criteria Queries Lab 	Demonstrate Hibernate as standalone library in Java application <ul style="list-style-type: none"> • Develop a web application (Online Bookshop) using Hibernate Persistence 	
		LO62: Gain an understanding of the different ways of persistence, with a focus on the Hibernate Framework and its integration in Java applications.			
39, 40 & 41		LO63: Be able to understand comprehensive infrastructure support for developing Java applications.	<ul style="list-style-type: none"> • What is Spring Framework • Overview of Spring Architecture • Spring Modules Overview • Understanding Spring 4 annotations(Basic Introduction) 	<ul style="list-style-type: none"> • Design and deploy Library Management System using Spring 	
		LO64: Be able to understand an introduction to the spring framework where you will learn what spring is and its capabilities.	<ul style="list-style-type: none"> • What is IoC (Inversion of Control) • IOC container • Dependency Injection • Spring Beans and its lifecycle • Autowiring Beans • Configuring collections • Spring Validations • Spring i18n, Localization, Properties • File Upload example 		
42 & 43		LO65: Add advanced functionality to web applications using jQuery, AngularJS, Bootstrap, Type Script or Sass.	<ul style="list-style-type: none"> • Spring Boot essentials • Why Spring boot • Spring Boot Overview • Basic Introduction of MAVEN 	Demonstrate and lab activity to create Hello World Spring Boot Web	

			<ul style="list-style-type: none"> • Building Spring application with Boot • Spring Boot in detail (Use Spring Boot for all demo & assignments here onwards) • Running a web application using Spring Boot with CRUD (with Static Data not DB) 	<ul style="list-style-type: none"> application • Check Libraries imported by Spring Boot • Create Spring Boot CRUD application 	
		LO66: learn Spring framework offers hands-on experience building Spring Framework applications using Spring Boot.			
		LO67: Be able to create applications with Spring Boot, the modern way to create new spring			
44 & 45		LO68: Learn spring data module LO69: Learn the framework that sits on top of JPA and Hibernate and builds on both of these with Spring-centric functionality.	<p>Spring Data Module</p> <ul style="list-style-type: none"> • Spring Data JPA (Repository support for JPA) • CrudRepository & JpaRepository • Query methods • Using custom query (@Query) 	<ul style="list-style-type: none"> • Add CRUD operations with Spring JPA etc. to earlier Spring Web application. 	
46 & 47		LO70: Learning Spring data JPA with Spring Boot	<p>Building REST services with Spring</p> <ul style="list-style-type: none"> • Introduction to web services • SOAP Vs RESTful web services • RESTful web service introduction • Create RESTful web service in java using Spring Boot • RESTful web service JSON example • RESTful web service CRUD example • Using POSTMAN client to invoke REST API's • REST service invocation using REST Template 	<p>Demonstrate and lab activity to create REST API for Employee Management using Spring Boot</p> <ul style="list-style-type: none"> • Invoke it from POSTMAN app • Invoke it from another Spring Boot Web application using REST Template 	
		LO71: Able to apply fundamentals of web services			
		LO72: Know and be able to describe building REST services with Spring			

48 & 49	Unit testing	LO73:Be able to improves the quality of the code	<ul style="list-style-type: none"> • Introduction to unit testing • Introduction to Junit - Fix the annotations - Assert Exceptions - Run Tests • Introduction to Mockito - Create DAO and BO Layer - Adding Mockito Dependency - Stubbing and Setting Expectation - Result verification • Unit Testing of Spring Service Layer • Integration Testing of Spring Applications: REST API 	Demonstrate and lab activity	
		LO74:Learning to identifies every defect that may have come up before code is sent further for integration testing			
		LO75: Be able to writing tests before actual coding makes you think harder about the problem			
50	ES6 & Typescript	LO76: Understand the functions of arrow and default arguments	<ul style="list-style-type: none"> - Var, Let and Const keyword - Arrow functions, default arguments - Template Strings, String methods - Object de-structuring - Spread and Rest operator - Typescript Fundamentals - Types & type assertions, Creating custom object types, function types - Typescript OOPS - Classes, Interfaces, Constructor, et 	Demonstrate and lab activity	
		LO77:Be able to describe and utilize Typescript Fundamentals			
		LO78: Know and be able to determine when to use an interface or a class to define the structure of an object			
51	JEE FULL STACK 2.0 WITH ANGULAR - (8 WEEKS) Agile	LO79:Learn Sprint 1 implementation with code reviews of L&D and BU trainer	<ul style="list-style-type: none"> Implementing Spring into the project Test case reviews Code reviews Performance monitoring during the sprint implementation and sharing the feedback <p>Sprint - 1 Evaluation 30min/participant</p>	Demonstrate and lab activity	
		LO80: Sprint 2 implementation with code reviews of L&D and BU trainer	<ul style="list-style-type: none"> Creating front end for the project using Angular Code reviews Performance monitoring during the sprint implementation and sharing the feedback <p>Sprint - 2 Evaluation</p>		

			30min/participant		
52	Core Java	LO81:Understand Declarations and Access Control	Declarations and Access Control Identifiers & JavaBeans Legal Identifiers Sun's Java Code Conventions JavaBeans Standards Declare Classes Source File Declaration Rules Class Declarations and Modifiers Concrete Subclass Declaring an Interface Declaring Interface Constants Declare Class Members Access Modifiers Nonaccess Member Modifiers Constructor Declarations Variable Declarations Declaring Enums	Demonstrate and lab activity	
		LO82:Learn Object Orientation	<ul style="list-style-type: none"> • Object Orientation <ul style="list-style-type: none"> o Encapsulation o Inheritance, Is-A, Has-A o Polymorphism o Overridden Methods o Overloaded Methods o Reference Variable Casting o Implementing an Interface o Legal Return Types o Return Type Declarations o Returning a Value o Constructors and Instantiation o Default Constructor o Overloaded Constructors o Statics o Static Variables and Methods o Coupling and Cohesion 	Demonstrate and lab activity	

		<p>LO83:Learn Assignments and Operators</p>	<ul style="list-style-type: none"> • Assignments <ul style="list-style-type: none"> o Stack and Heap—Quick Review o Literals, Assignments, and Variables o Literal Values for All Primitive Types o Assignment Operators o Casting Primitives o Using a Variable or Array Element That Is Uninitialized and Unassigned o Local (Stack, Automatic) Primitives and Objects o Passing Variables into Methods o Passing Object Reference Variables o Does Java Use Pass-By-Value Semantics? o Passing Primitive Variables o Array Declaration, Construction, and Initialization <ul style="list-style-type: none"> o Declaring an Array o Constructing an Array o Initializing an Array o Initialization Blocks o Using Wrapper Classes and Boxing o An Overview of the Wrapper Classes o Creating Wrapper Objects o Using Wrapper Conversion Utilities o Autoboxing o Overloading o Garbage Collection o Overview of Memory Management and Garbage Collection <ul style="list-style-type: none"> o Overview of Java's Garbage Collector o Writing Code That Explicitly Makes Objects Eligible for Garbage Collection • Operators <ul style="list-style-type: none"> o Java Operators o Assignment Operators 	<p>Demonstrate and lab activity</p>	
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		<ul style="list-style-type: none"> o Relational Operators o instanceof Comparison o Arithmetic Operators o Conditional Operator 		
	LO84: Learn Flow Control, Exceptions	<ul style="list-style-type: none"> o Logical Operators • Flow Control, Exceptions <ul style="list-style-type: none"> o if and switch Statements o if-else Branching o switch Statements o Loops and Iterators o Using while Loops o Using do Loops o Using for Loops o Using break and continue o Unlabeled Statements o Labeled Statements o Handling Exceptions o Catching an Exception Using try and catch <ul style="list-style-type: none"> o Using finally o Propagating Uncaught Exceptions o Defining Exceptions o Exception Hierarchy o Handling an Entire Class Hierarchy of Exceptions <ul style="list-style-type: none"> o Exception Matching o Exception Declaration and the Public Interface o Rethrowing the Same Exception o Common Exceptions and Errors 	Demonstrate and lab activity	
	LO85: Learn Gradle Fundamentals	<ul style="list-style-type: none"> • Gradle Fundamentals <ul style="list-style-type: none"> o Introduction o Folder Structure o Install and Setup Gradle on Windows o Dependencies in Build Scripts 		

			<ul style="list-style-type: none"> o Gradle Wrapper o Lifecycle Tasks: The Base Plug In o Using Project Info and the check command o Creating Variables and external properties o Creating a Build Scan o Dependencies 		
		LO86: Learn TDD with Junit 5	<ul style="list-style-type: none"> • TDD with Junit 5 o Types of Tests o Why Unit Tests Are Important o What's JUnit? o JUnit 5 Architecture o IDEs and Build Tool Support o Setting up JUnit with Maven o Lifecycle Methods o Test Hierarchies o Assertions o Disabling Tests o Assumptions o Test Interfaces and Default Methods o Repeating Tests o Dynamic Tests o Parameterized Tests o Argument Sources o Argument Conversion o What Is TDD? o History of TDD o Why Practice TDD? o Types of Testing o Testing Frameworks and Tools o Testing Concepts o Insights from Testing o Mocking Concepts o Mockito Overview o Mockito Demo 	Demonstrate and lab activity	

			<ul style="list-style-type: none"> o Creating Mock Instances o Stubbing Method Calls 		
	LO87: Learn Strings, I/O, Formatting, and Parsing	<ul style="list-style-type: none"> • Strings, I/O, Formatting, and Parsing o String, StringBuilder, and StringBuffer o The String Class o Important Facts About Strings and Memory o Important Methods in the String Class o The StringBuffer and StringBuilder Classes o Important Methods in the StringBuffer and StringBuilder Classes o File Navigation and I/O o Types of Streams o The Byte-stream I/O hierarchy o Character Stream Hierarchy o RandomAccessFile class o The java.io.Console Class o Serialization o Dates, Numbers, and Currency o Working with Dates, Numbers, and Currencies o Parsing, Tokenizing, and Formatting o Locating Data via Pattern Matching o Tokenizing 	Demonstrate and lab activity		
	LO88: Learn Generics and Collections	<ul style="list-style-type: none"> • Generics and Collections o Overriding hashCode() and equals() o Overriding equals() o Overriding hashCode() o Collections o So What Do You Do with a Collection? o List Interface o Set Interface 	Demonstrate and lab activity		

			<ul style="list-style-type: none"> o Map Interface o Queue Interface o Using the Collections Framework o ArrayList Basics o Autoboxing with Collections o Sorting Collections and Arrays o Navigating (Searching) TreeSets and TreeMaps o Other Navigation Methods o Backed Collections o Generic Types o Generics and Legacy Code o Mixing Generic and Non-generic Collections o Polymorphism and Generics 		
	LO89: Learn Threads	Threads	<ul style="list-style-type: none"> Defining, Instantiating, and Starting Threads Defining a Thread Instantiating a Thread Starting a Thread Thread States and Transitions Thread States Preventing Thread Execution Sleeping Thread Priorities and yield() Synchronizing Code Synchronization and Locks Thread Deadlock Thread Interaction Using notifyAll() When Many Threads May Be Waiting 	Demonstrate and lab activity	
	LO90: Understand Concurrent Patterns in Java	<ul style="list-style-type: none"> • Concurrent Patterns in Java 	Demonstrate and lab activity		

		<ul style="list-style-type: none"> o Introducing Executors, What Is Wrong with the Runnable Pattern? o Defining the Executor Pattern: A New Pattern to Launch Threads o Defining the Executor Service Pattern, a First Simple Example o Comparing the Runnable and the Executor Service Patterns o Understanding the Waiting Queue of the Executor Service o Wrapping-up the Executor Service Pattern o From Runnable to Callable: What Is Wrong with Runnables? o Defining a New Model for Tasks That Return Objects o Introducing the Callable Interface to Model Tasks o Introducing the Future Object to Transmit Objects Between Threads o Wrapping-up Callables and Futures, Handling Exceptions 			
		<p>LO91: Understand Concurrent Collections</p>	<ul style="list-style-type: none"> • Concurrent Collections <ul style="list-style-type: none"> o Implementing Concurrency at the API Level o Hierarchy of Collection and Map, Concurrent Interfaces o What Does It Mean for an Interface to Be Concurrent? o Why You Should Avoid Vectors and Stacks o Understanding Copy On Write Arrays o Introducing Queue and Deque, and Their Implementations 	<p>Demonstrate and lab activity</p>	

			<ul style="list-style-type: none"> o Understanding How Queue Works in a Concurrent Environment o Adding Elements to a Queue That Is Full: How Can It Fail? o Understanding Error Handling in Queue and Deque o Introducing Concurrent Maps and Their Implementations o Atomic Operations Defined by the ConcurrentMap Interface o Understanding Concurrency for a HashMap o Understanding the Structure of the ConcurrentHashMap from Java 7 o Introducing the Java 8 ConcurrentHashMap and Its Parallel Methods o Parallel Search on a Java 8 ConcurrentHashMap o Parallel Map / Reduce on a Java 8 ConcurrentHashMap o Parallel ForEach on a Java 8 ConcurrentHashMap o Creating a Concurrent Set on a Java 8 ConcurrentHashMap o Introducing Skip Lists to Implement ConcurrentMap o Understanding How Linked Lists Can Be Improved by Skip Lists o How to Make a Skip List Concurrent Without Synchronization 		
		<p>LO92: Understand Lambda expressions</p>	<ul style="list-style-type: none"> • Lambda Expressions <ul style="list-style-type: none"> o Introduction o Writing Lambda Expressions o Functional Interfaces o Types of Functional Interfaces o Method reference 	<p>Demonstrate and lab activity</p>	

	LO93: Learn Stream API	<ul style="list-style-type: none"> • Stream API o Introduction o Stream API with Collections o Stream Operations 	Demonstrate and lab activity	
	LO94: Introduction to Design Pattern	<p>Introduction to Design Pattern</p> <p>Self learning with online links and explanation by Trainer with Demos</p> <ul style="list-style-type: none"> o Creational Design Pattern <ul style="list-style-type: none"> <input type="checkbox"/> Factory Pattern <input type="checkbox"/> Singleton Pattern <input type="checkbox"/> Prototype Pattern o Structural Design Pattern <ul style="list-style-type: none"> <input type="checkbox"/> Decorator Pattern <input type="checkbox"/> Facade Pattern o Behavioral Design Pattern <ul style="list-style-type: none"> <input type="checkbox"/> Chain of Responsibility Pattern <input type="checkbox"/> Iterator Pattern o Presentation Layer Design Pattern <ul style="list-style-type: none"> <input type="checkbox"/> Intercepting Filter Pattern <input type="checkbox"/> Front Controller Pattern o Business Layer Design Pattern <ul style="list-style-type: none"> <input type="checkbox"/> Business Delegate Pattern <input type="checkbox"/> Transfer Object Pattern o Integration Layer Design Pattern <ul style="list-style-type: none"> <input type="checkbox"/> Data Access Object Pattern 	Demonstrate and lab activity	
	LO95: Learn DevOps(Git,Sonarube,Maven,Jenkins)	<ul style="list-style-type: none"> • DevOps (Git, SonarQube, Maven, Jenkins) • Introduction to DevOps o Introduction of DevOps o Dev And Ops o Agile Vs DevOps o Continuous Integration & Delivery pipeline o Tools For DevOps 	Demonstrate and lab activity	

			<ul style="list-style-type: none"> o Use-case walkthrough • GIT Hub o Working locally with GIT o Working remotely with GIT o Branching, merging & rebasing with GIT o Use Case walkthrough • Jenkins: o Introduction to Jenkins o Jenkins Objective o Introduction to continuous integration deployment & Jenkins-ci o Continuous Deployment & distribution builds with Jenkins • Sonar o Introduction to Sonar o Code quality Monitoring- Sonar o Use Case walkthrough 		
		<p>LO96: Database Using PostgreSQL</p>	<p>Database Using PostgreSQL Duration : 2 days</p> <p>Contents:</p> <ul style="list-style-type: none"> • Introduction o The Relational Model o What is PostgreSQL? o PostgreSQL – Data Types o Arrays Functions and Operators • Understanding Basic PostgreSQL Syntax o The Relational Model o Basic SQL Commands - SELECT o Basic SQL Commands - INSERT o Basic SQL Commands - UPDATE o Basic SQL Commands – DELETE 	<p>Demonstrate and lab activity</p>	

- Querying Data with the SELECT Statement

- o Wildcards (% , _)
- o The SELECT List
- o SELECT List Wildcard (*)
- o The FROM Clause
- o How to Constrain the Result Set
- o DISTINCT and NOT DISTINCT

- Arrays Functions and Operators

- o array_append
- o array_cat
- o array_lower
- o array_to_string
- o array_agg
- o every, Count, sum, avg
- o Array Operators

- Filtering Results with the Where Clause

- o WHERE Clause
- o Boolean Operators
- o The AND Keyword
- o The OR Keyword
- o Other Boolean Operators
BETWEEN, LIKE, IN, IS, IS NOT

- Shaping Results with ORDER BY and GROUP BY

- o ORDER BY
- o Set Functions
- o Set Function And Qualifiers
- o GROUP BY
- o HAVING clause

- Matching Different Data Tables with JOINS

- o Table Aliases

			<ul style="list-style-type: none"> o CROSS JOIN o INNER JOIN o OUTER JOINs o LEFT OUTER JOIN o RIGHT OUTER JOIN o FULL OUTER JOIN o SELF JOIN o Natural Join • Creating Database Tables o CREATE DATABASE o CREATE TABLE o NULL Values o PRIMARY KEY o CONSTRAINT o ALTER TABLE o DROP TABLE • PostgreSQL Transactions o BEGIN, COMMIT, ROLLBACK • PostgreSQL Constraints o CHECK, UNIQUE, NOT NULL <input type="checkbox"/> Introduction to JDBC o Connection, Statement, PreparedStatement, ResultSet 		
		<p>LO97: Introduction to JDBC Connection, Statement, PreparedStatement, ResultSet</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Introduction - Introduction & overview of data persistence - Overview of ORM tools - Understanding JPA - JPA Specifications <input type="checkbox"/> Entities 	<p>Demonstrate and lab activity</p>	

- | | | | | |
|--|--|--|--|--|
| | | <ul style="list-style-type: none">- Requirements for Entity Classes- Persistent Fields and Properties in Entity Classes- Persistent Fields- Persistent Properties- Using Collections in Entity Fields and Properties- Validating Persistent Fields and Properties- Primary Keys in Entities<input type="checkbox"/> Managing Entities- The EntityManager Interface- Container-Managed Entity Managers- Application-Managed Entity Managers- Finding Entities Using the EntityManager- Managing an Entity Instance's Lifecycle
- Persisting Entity Instances- Removing Entity Instances- Synchronizing Entity Data to the Database- Persistence Units<input type="checkbox"/> Querying Entities- Java Persistence query language (JPQL)- Criteria API<input type="checkbox"/> Entity Relationships- Direction in Entity Relationships- Bidirectional Relationships- Unidirectional Relationships- Queries and Relationship Direction- Cascade Operations and Relationships | | |
|--|--|--|--|--|

		<p>LO98:Understand JPA with Hibernate 3.0</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Introduction <ul style="list-style-type: none"> - Introduction & overview of data persistence - Overview of ORM tools - Understanding JPA - JPA Specifications <input type="checkbox"/> Entities <ul style="list-style-type: none"> - Requirements for Entity Classes - Persistent Fields and Properties in Entity Classes - Persistent Fields - Persistent Properties - Using Collections in Entity Fields and Properties - Validating Persistent Fields and Properties - Primary Keys in Entities <input type="checkbox"/> Managing Entities <ul style="list-style-type: none"> - The EntityManager Interface - Container-Managed Entity Managers - Application-Managed Entity Managers - Finding Entities Using the EntityManager - Managing an Entity Instance's Lifecycle - Persisting Entity Instances - Removing Entity Instances - Synchronizing Entity Data to the Database - Persistence Units <input type="checkbox"/> Querying Entities <ul style="list-style-type: none"> - Java Persistence query language (JPQL) - Criteria API <input type="checkbox"/> Entity Relationships 	<p>Demonstrate and lab activity</p>	
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			<ul style="list-style-type: none"> - Direction in Entity Relationships - Bidirectional Relationships - Unidirectional Relationships - Queries and Relationship Direction - Cascade Operations and Relationships 		
		<p>LO99: Learn Spring 5.0</p>	<p>1. Spring Core Spring Core Introduction / Overview</p> <ul style="list-style-type: none"> - Shortcomings of Java EE and the Need for Loose Coupling - Managing Beans, The Spring Container, Inversion of Control - The Factory Pattern - Configuration Metadata - XML, @Component, Auto-Detecting Beans - Dependencies and Dependency Injection (DI) with the BeanFactory - Setter Injection <p>Spring Container</p> <ul style="list-style-type: none"> - The Spring Managed Bean Lifecycle - Autowiring Dependencies <p>Dependency Injection</p> <ul style="list-style-type: none"> - Using the Application Context - Constructor Injection - Factory Methods - Crucial Namespaces 'p' and 'c' - Configuring Collections <p>Metadata / Configuration</p> <ul style="list-style-type: none"> - Annotation Configuration @Autowired, @Required, @Resource - @Component, Component Scans. <p>Component Filters</p> <ul style="list-style-type: none"> - Life Cycle Annotations 	<p>Demonstrate and lab activity</p>	

- Java Configuration, @Configuration, XML free configuration
- The Annotation Config Application Context

2. Spring Boot

SPRING BOOT Introduction

- Spring Boot starters, CLI, Gradle plugin
- Application class
- @SpringBootApplication
- Dependency injection, component scans, Configuration
- Externalize your configuration using application.properties
- Context Root and Management ports
- Logging

Using Spring Boot

- Build Systems, Structuring Your Code, Configuration, Spring Beans and Dependency Injection, and more.

Spring Boot Essentials

- Application Development, Configuration, Embedded Servers, Data Access, and many more
- Common application properties
- Auto-configuration classes
- Spring Boot Dependencies

3. Spring Data JPA

- Spring Data JPA Intro & Overview
- Core Concepts, @RepositoryRestResource
- Defining Query methods
- Query Creation
- Using JPA Named Queries

			<ul style="list-style-type: none"> - Defining Repository Interfaces - Creating Repository instances - JPA Repositories - Persisting Entities - Transactions <p>4. Spring Data REST</p> <ul style="list-style-type: none"> - Introduction & Overview - Adding Spring Data REST to a Spring Boot Project - Configuring Spring Data REST - Repository resources, Default Status Codes, Http methods - Spring Data REST Associations - Define Query methods <p>5. Introduction to Spring Security with Demo</p> <p>6. Introduction to Spring Microservices with Demo</p>		
		LO100: HTML 5, CSS 3 with Bootstrap, Javascript, TypeScript	<p>HTML 5:</p> <ul style="list-style-type: none"> • HTML Basics <ul style="list-style-type: none"> o Understand the structure of an HTML page. o New Semantic Elements in HTML 5 o Learn to apply physical/logical character effects. o Learn to manage document spacing. • Tables <ul style="list-style-type: none"> o Understand the structure of an HTML table. o Learn to control table format like cell spanning, cell spacing, border • List <ul style="list-style-type: none"> o Numbered List o Bulleted List • Working with Links 	Demonstrate and lab activity	

- o Understand the working of hyperlinks in web pages.
- o Learn to create hyperlinks in web pages.
- o Add hyperlinks to list items and table contents.
- Image Handling
- o Understand the role of images in web pages
- o Learn to add images to web pages
- o Learn to use images as hyperlinks
- Frames
- o Understand the need for frames in web pages.
- o Learn to create and work with frames.
- HTML Forms for User Input
- o Understand the role of forms in web pages
- o Understand various HTML elements used in forms.
- o Single line text field
- o Text area
- o Check box
- o Radio buttons
- o Password fields
- o Pull-down menus
- o File selector dialog box
- New Form Elements
- o Understand the new HTML form elements such as date, number, range, email, search and datalist
- o Understand audio, video, article tags
- CSS 3
- Introduction to Cascading Style Sheets 3.0
- What CSS can do
- CSS Syntax

			<ul style="list-style-type: none"> - Types of CSS <input type="checkbox"/> Working with Text and Fonts - Text Formatting - Text Effects - Fonts <input type="checkbox"/> CSS Selectors - Type Selector - Universal Selector - ID Selector o Class selector <input type="checkbox"/> Colors and Borders - Background - Multiple Background - Colors RGB and RGBA - HSL and HSLA - Borders - Rounded Corners - Applying Shadows in border - Implementing CSS3 in the "Real World" o Modernizr o HTML5 Shims o SASS, and Other CSS Preprocessors o CSS Grid Systems o CSS Frameworks 		
		LO101: Learn Bootstrap	<ul style="list-style-type: none"> <input type="checkbox"/> Introduction to Bootstrap - Introduction - Getting Started with Bootstrap <input type="checkbox"/> Bootstrap Basics - Bootstrap grid system - Bootstrap Basic Components <input type="checkbox"/> Bootstrap Components - Page Header - Breadcrumb - Button Groups 	Demonstrate and lab activity	

			<ul style="list-style-type: none"> - Dropdown - Nav & Navbars <input type="checkbox"/> JavaScript Essentials <input type="checkbox"/> ES6 & Typescript - Var, Let and Const keyword - Arrow functions, default arguments - Template Strings, String methods - Object de-structuring - Spread and Rest operator - Typescript Fundamentals - Types & type assertions, Creating custom object types, function types - Typescript OOPS - Classes, Interfaces, Constructor, etc 		
53	Angular	LO102:Introduction to Angular Framework	<ul style="list-style-type: none"> <input type="checkbox"/> Introduction to Angular Framework - Introduction to Angular Framework, History & Overview - Environment Setup, Angular CLI, Installing Angular CLI - NPM commands & package.json - Bootstrapping Angular App, Components, AppModule - Project Setup, Editor Environments - First Angular App & Directory Structure - Angular Fundamentals, Building Blocks - MetaData <input type="checkbox"/> Essentials of Angular - Component Basics - Setting up the templates - Creating Components using CLI - Nesting Components - Data Binding - Property & Event Binding, String Interpolation, Style binding 	Demonstrate and lab activity	

- Two-way data binding
- Input Properties, Output Properties, Passing Event Data
- Templates, Styles & Directives
 - Template, Styles, View Encapsulation, adding bootstrap to angular app
 - Built-in Directives, Creating Attribute Directive
 - Using Renderer to build attribute directive
 - Host Listener to listen to Host Events
 - Using Host Binding to bind to Host Properties
- Pipes, Services & Dependency Injection
 - In-built Pipes, Creating a Custom Pipes
 - Services & Dependency Injections
 - Creating Data Service
 - Understanding Hierarchical Injector
- Template-Driven and Reactive Forms
 - Template-Driven vs Reactive Approach
 - Understanding Form State
 - Built-in Validators & Using HTML5 Validation
 - Grouping Form Controls
 - FormGroup, FormControl, FormBuilder
 - Forms with Reactive Approach
 - Predefined Validators & Custom Validators
 - Showing validation errors

			<input type="checkbox"/> Components Deep Dive / Routing - Component Life Cycle Hooks - Reusable components in angular using <ng-content> - Navigating with Router links - Understanding Navigation Paths - Navigating Programmatically - Passing Parameters to Routes - Passing Query Parameters and Fragments - Setting up Child (Nested) Routes - Outsourcing Route Configuration (create custom module) <input type="checkbox"/> Http Requests / Observables - HTTP Requests - Sending GET Requests - Sending a PUT Request - Using the Returned Data - Catching Http Errors - Basics of Observables & Promises		
		LO103:Essentials of Angular	<input type="checkbox"/> Introduction to Angular Framework - Introduction to Angular Framework, History & Overview - Environment Setup, Angular CLI, Installing Angular CLI - NPM commands & package.json - Bootstrapping Angular App, Components, AppModule - Project Setup, Editor Environments - First Angular App & Directory Structure - Angular Fundamentals, Building Blocks - MetaData <input type="checkbox"/> Essentials of Angular - Component Basics		
		LO111:Templates, Styles & Directives			
		LO104:Pipes,Services & Dependency Injection			
		LO105: Learn Template-Driven and Reactive Forms			
		LO106: Components Deep Dive / Routing			
		LO107: Http Requests / Observables			
		LO108:Understand Authentication and Route Protection			

- Setting up the templates
- Creating Components using CLI
- Nesting Components
- Data Binding - Property & Event Binding, String Interpolation, Style binding
- Two-way data binding
- Input Properties, Output Properties, Passing Event Data

- Templates, Styles & Directives
 - Template, Styles, View Encapsulation, adding bootstrap to angular app
 - Built-in Directives, Creating Attribute Directive
 - Using Renderer to build attribute directive
 - Host Listener to listen to Host Events
 - Using Host Binding to bind to Host Properties

- Pipes, Services & Dependency Injection
 - In-built Pipes, Creating a Custom Pipes
 - Services & Dependency Injections
 - Creating Data Service
 - Understanding Hierarchical Injector

- Template-Driven and Reactive Forms
 - Template-Driven vs Reactive Approach
 - Understanding Form State
 - Built-in Validators & Using HTML5 Validation
 - Grouping Form Controls

			<ul style="list-style-type: none"> - FormGroup, FormControl, FormBuilder - Forms with Reactive Approach - Predefined Validators & Custom Validators - Showing validation errors <input type="checkbox"/> Components Deep Dive / Routing - Component Life Cycle Hooks - Reusable components in angular using <ng-content> - Navigating with Router links - Understanding Navigation Paths - Navigating Programmatically - Passing Parameters to Routes - Passing Query Parameters and Fragments - Setting up Child (Nested) Routes - Outsourcing Route Configuration (create custom module) <input type="checkbox"/> Http Requests / Observables - HTTP Requests - Sending GET Requests - Sending a PUT Request - Using the Returned Data - Catching Http Errors - Basics of Observables & Promises 		
54	Project	Project	Student will independently work on the project	Well-equipped computer lab with projector, internet connection	2
Training 318 (60 + 60 + 75 + 45 + 30+48) + 30 Examination = 348 Hours Total					

Teaching Plan and Resource Requirement

Day	Instructional Activity (conducted on day)	Description (Actual activity details)	Equipment / HW / SW / Consumable / Resource	Hours
1	Demonstrate and lab activity how to write Java programs to: <ul style="list-style-type: none"> • To Print Hello World • Add two numbers/binary numbers/characters • Calculate compound interest • Calculate power of a number • Swap two numbers 	Give the demonstration and lab activity on how to write Java Programs <ol style="list-style-type: none"> 1. Print the world, Addition of two numbers/characters , Calculate compound interest 	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	2
2	Demonstrate and lab activity how to write Java programs to: <ul style="list-style-type: none"> • Calculate area of rectangle • Calculate area and circumference of circle using multiple classes • Java program to find ASCII value of a character 	Give the demonstration and lab activity on how to write Java Programs	Well-equipped computer lab with projector, internet connection, Computer, MS Office using (PPT)	2
3	Demonstrate and lab activity how to write Java programs to: <ul style="list-style-type: none"> • Display prime numbers between 1 and 100 or 1 and n • Swap two variables without using the third variable • Find the factorial of a number • Check if a number is palindrome or not • Print Fibonacci series till n • Add two integer variables in 5 different ways using functions and control statement 	Give the demonstration and lab activity on how to write Java Programs	Computer, MS Office using (PPT). Well-equipped computer lab with projector, internet connection.	2

	<ul style="list-style-type: none"> • Find square root of a number without sqrt method • Check Armstrong number • Calculate grades of students using their marks • Use switch case, recursion, print patterns, etc. 			
4	<p>Demonstrate and lab activity how to write Java programs to:</p> <ul style="list-style-type: none"> • Calculate average of numbers using Array • Reverse an array • Sort an array in ascending order • Convert char Array to String • Add two Matrix using Multi-dimensional arrays • Sort strings in alphabetical order • Find out the highest and second highest numbers in an array • Concatenate two arrays 	<p>Give demonstration on Java programs</p> <ul style="list-style-type: none"> • Calculate average of numbers using Array • Reverse an array • Sort an array in ascending order • Convert char Array to String • Add two Matrix using Multi-dimensional arrays • Sort strings in alphabetical order • Find out the highest and second highest numbers in an array • Concatenate two arrays 	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	2
5	<p>Demonstrate and lab activity to create:</p> <ul style="list-style-type: none"> • A class Employee and encapsulate the data members. • Create demo applications to illustrate different types of inheritance. 	<p>Demonstrate how to use inheritance</p> <p>Assign lab activity.</p>	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	2
6	<p>Demonstrate and lab activity to create</p> <ul style="list-style-type: none"> • An Array of Employee class and initialize array elements with different employee objects. 	<p>Demonstrate and lab activity how to create arrays</p> <p>Perform different operations to arrays</p>	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	2
7	<p>Demonstrate and lab activity to:</p> <ul style="list-style-type: none"> • Create a demo application to understand the role of access modifiers. Implement multilevel inheritance using different packages. Access/invoke protected members/methods of a class outside the package. Override finalize method 	<p>Explain the role of modifiers. Assign lab activity.</p>	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	2

	to understand the behavior of JVM garbage collector.			
8	Demonstrate and lab activity to create sample classes to understand boxing & unboxing. Use different methods of java defined wrapper classes. Create StringDemo class and perform different string manipulation methods	Demonstrate and lab activity how to create set and dictionary. Perform different operations on it. Assign lab activity.	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	2
9	Demonstrate and lab activity to create user defined checked and unchecked exceptions.	Give the demonstration how to create User-defined exceptions. Assign lab activity.	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	2
10	Demonstrate and lab activity to create <ul style="list-style-type: none"> • A demo class to Read & write image/text files. • Create Serialization Demo class to illustrate serialization and de-serialization process. 	Assign lab activity.	Well-equipped computer lab with projector, internet connection.	2
11	Demonstrate and lab activity to create <ul style="list-style-type: none"> • Date Manipulator class to convert String to date, date to String and to find out number of days between two dates. • A List of java defined wrapper classes and perform insert/delete/search/iterate/sort operations. • A collection of Employee class and sort objects using comparable and comparator interfaces. Implement Queue data structure using LinkedList and Queue collection. 	Demonstrate and lab activity how to create a classes using Java. Perform different operations on it. Ask students to do the same.	Well-equipped computer lab with projector, internet connection.	2
12	Demonstrate and lab activity how to write Java programs: <ul style="list-style-type: none"> • Calculate average of numbers using Array • Reverse an array • Sort an array in ascending order • Convert char Array to String • Add two Matrix using Multi-dimensional Arrays 	Demonstrate and lab activity how to create Multi-dimensional Arrays. Ask students to do the same.	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	2

	<ul style="list-style-type: none"> • Sort strings in alphabetical order • Find out the highest and second highest numbers in an array • Concatenate two arrays 			
13	<p>Demonstrate and lab activity to create</p> <ul style="list-style-type: none"> • A Demo class to Read & write image/text files. • Create Serialization Demo class to illustrate serialization and de-serialization process. 	<p>Demonstrate Serialization and Deserialization in Java with Example</p> <p>Assign Lab activity to students.</p>	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	2
14	<p>Demonstrate and lab activity to create</p> <ul style="list-style-type: none"> • Date Manipulator class to convert String to date, date to String and to find out number of days between two dates. • List of java defined wrapper classes and perform insert/delete/search/iterate/sort operations. • Create a collection of Employee class and sort objects using comparable and comparator interfaces. Implement Queue data structure using LinkedList and Queue collection. 	<p>Ask students to solve the questions given in the activity on classes</p> <p>Assign Lab activity to students.</p>	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	2
15	<p>Demonstrate and lab activity to create</p> <ul style="list-style-type: none"> • A class Employee and encapsulate the data members. • Demo applications to illustrate different types of inheritance. 	<p>Demonstrate java inheritance.</p> <p>Ask students to solve the questions given in the activity.</p>	Well-equipped computer lab with projector, internet connection.	2
16	<p>Demonstrate and lab activity to create</p> <ul style="list-style-type: none"> • An Array of Employee class and initialize array elements with different employee objects. 	<p>Demonstrate how to Create Array of Objects in Java. Assign Lab activity to students.</p>	Well-equipped computer lab with projector, internet connection.	2
17	<p>Demonstrate and lab activity to create</p> <ul style="list-style-type: none"> • A demo application to understand the role of access modifiers. Implement multilevel inheritance using different packages. Access/invoke protected members/methods 	<p>Demonstrate java multilevel inheritance.</p> <p>Ask students to solve the questions given in the activity.</p>	Well-equipped computer lab with projector, internet connection.	2

	of a class outside the package. Override finalize method to understand the behavior of JVM garbage collector.			
18	Demonstrate and lab activity to create <ul style="list-style-type: none"> • Sample classes to understand boxing & unboxing. Use different methods of java defined wrapper classes. Create StringDemo class and perform different string manipulation methods 	Demonstrate and lab activity wrapper classes for primitive data types Assign lab activity to students.	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	2
19	Demonstrate and lab activity to create user defined checked and unchecked exceptions.	Demonstrate and lab activity how to create user defined checked and unchecked exceptions Ask students to work on the plotting activity	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	2
20	Demonstrate and lab activity to create a Demo class to Read & write image/text files. Create Serialization Demo class to illustrate serialization and de-serialization process.	Demonstrate and lab activity how create files. Ask students to work on the files	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	2
21	Demonstrate and lab activity to create Date Manipulator class to convert String to date, date to String and to find out number of days between two dates. <ul style="list-style-type: none"> • A List of java defined wrapper classes and perform insert/delete/search/iterate/sort operations. Create a collection of Employee class and sort objects using comparable and comparator interfaces. Implement Queue data structure using Linked List and Queue collection. 	Demonstrate and lab activity on conversions. <ul style="list-style-type: none"> • Class to convert • String to date • Date to String Assign programs to students for performing the same.	Well-equipped computer lab with projector, internet connection. Computer.	2
22	Demonstrate and lab activity how to write Java programs to: <ul style="list-style-type: none"> • Calculate average of numbers using Array • Reverse an array • Sort an array in ascending order • Convert char Array to String • Add two Matrix using Multi-dimensional Arrays • Sort strings in alphabetical order 	Explain how to perform arrays in a program. Demonstrate and lab activity on functions of arrays	Well-equipped computer lab with projector, internet connection. Computer.	2

	<ul style="list-style-type: none"> • Find out the highest and second highest numbers in an array • Concatenate two arrays 			
23	<p>Demonstrate and lab activity to create a class Employee and encapsulate the data members.</p> <ul style="list-style-type: none"> • Create demo applications to illustrate different types of inheritance. 	<p>Perform on how to create class and inheritance. Demonstrate and lab activity on classes using Java.</p>	<p>Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)</p>	2
24	<p>Demonstrate and lab activity to create</p> <ul style="list-style-type: none"> • An Array of Employee class and initialize array elements with different employee objects. 	<p>Demonstrate and lab activity the process of arrays.</p>	<p>Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)</p>	2
25	<p>Demonstrate and lab activity to create</p> <ul style="list-style-type: none"> • A demo application to understand the role of access modifiers. Implement multilevel inheritance using different packages. Access/invoke protected members/methods of a class outside the package. Override finalize method to understand the behavior of JVM garbage collector. 	<p>Demonstrate and lab activity to create inheritance</p> <p>Excute java program, JVM creates three threads. 1) main thread 2) Thread Scheduler 3) Garbage Collector Thread.</p> <p>Assign programs to use define finalize() method</p>	<p>Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)</p>	2
26	<p>Demonstrate and lab activity to create Date Manipulator class to convert String to date, date to String and to find out number of days between two dates.</p> <ul style="list-style-type: none"> • A List of java defined wrapper classes and perform insert/delete/search/iterate/sort operations. Create a collection of Employee class and sort objects using comparable and comparator interfaces. Implement Queue data structure using LinkedList and Queue collection. 	<p>Mechanism <i>to convert primitive into object and object into primitive.</i></p> <p>To execute a program using class and object</p>	<p>Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)</p>	2

27	Demonstrate and lab activity to create <ul style="list-style-type: none"> An Employee HashSet collection and override equals & hash Code methods to understand how the set maintains uniqueness using these methods. Create a Sample class to understand generic assignments using “? extends SomeClass” , “? super someclass ” and “?”. 	Demonstrate and lab activity	Well-equipped computer lab with projector, internet connection. Computer	2
28	Invoke private methods of some other class using reflection. Create multiple threads using Thread class and Runnable interfaces. Assign same task and different task to multiple threads. Understand sleep, join, and yield methods.	Demonstrate and lab activity handling dataset using multiple threads.	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	2
29	Perform database CRUD operations using JDBC classes and interfaces.	Learn basic database operations (CRUD - Create, Retrieve, Update and Delete) using JDBC (Java Database Connectivity) API.	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	2
30	Exploring different browsers Mozilla Firefox, Google Chrome, Safari Exploring different text editors o Windows: Notepad++, Linux: Gedit or Vim or Emacs	Assignment	-	2
31	Demonstrate and lab activity to create a HTML form for building a resume.	Execute HTML Program using html tags to building a resume	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	3
32	Demonstrate and lab activity to apply inline, internal and external CSS to change colors of certain text portions, bold, underline, and italics certain words in the previously created HTML resume form.	Create webpages using concepts of CSS(Inline, External and Internal)	Well-equipped computer lab with projector, internet connection.	3
33	Demonstrate and lab activity to update the design of the Resume form using Bootstrap	Demonstrate and lab activity to develop a single page HTML resume using Bootstrap	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	3

34	Demonstrate and lab activity to Practice writing basic JavaScript programs for better understanding of the language constructs	Create a web page using dynamically updating content, control multimedia, animate images. Using JavaScript	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	3
35	Demonstrate and lab activity to: Write a JavaScript program to sort a list of elements by implementing a sorting algorithm. Write a JavaScript program to list the properties of a JavaScript object.	Demonstrate and lab activity the following and ask students to perform: <ul style="list-style-type: none"> • A list of elements by implementing a sorting algorithm • List the properties of a JavaScript object. 	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	3
36	Demonstrate and lab activity to: Write a JavaScript function to get First and Last name from the previously created Resume form Validate the entire Resume form using client-side JavaScript Write a JavaScript function to validate whether a given value is RegEx or not.	Demonstrate and lab activity the following and ask students to perform: <ul style="list-style-type: none"> • Validation of program using client-side JavaScript • To validate whether a given value is RegEx or not. 	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	3
37	Demonstrate Hibernate as standalone library in Java application <ul style="list-style-type: none"> • Develop a web application (Online Bookshop) using Hibernate Persistence 	Demonstrate and lab activity the following and ask students to perform to Develop a web application (Online Bookshop) using Hibernate Persistence	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	3
38	Design and deploy Library Management System using Spring	Assignment	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	3
39	Demonstrate and lab activity to create Hello World Spring Boot Web application <ul style="list-style-type: none"> • Check Libraries imported by Spring Boot • Create Spring Boot CRUD application 	Explain how should use Spring Boot. covers topics such as build systems, auto-configuration, and how to run your applications also cover some Spring Boot best practices.	Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	3
		Assessment of final Work.		
		JEE FULL STACK 2.0 WITH ANGULAR - (8 WEEKS)		48
40	Demonstrate and lab activity Agile SCRUM		Well-equipped computer lab with projector, internet	

			connection. Computer, MS Office using (PPT)	
41	Demonstrate and lab activity Core Java 8		Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	
42	Demonstrate and lab activity DevOps (Git, SonarQube, Maven, Jenkins)		Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	
43	Demonstrate and lab activity Database Using PostgreSQL		Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	
44	Demonstrate and lab activity JPA with Hibernate 3.0		Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	
45	Demonstrate and lab activity Spring 5.0		Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	
46	Demonstrate and lab activity HTML 5, CSS 3 with Bootstrap, Javascript, TypeScript		Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	
47	Demonstrate and lab activity Bootstramp		Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	
48	Demonstrate and lab activity Angular 7		Well-equipped computer lab with projector, internet connection. Computer, MS Office using (PPT)	

Assessment and Examination

Text Books / Reference Books / Online Resources

Sr. No	Title of the Book / Link	Author / Webiste	Edition / volume	Text (T) Reference (R)
1.	Introduction to Java programming b	Y. Daniel Liang.		
2	Java The Complete Reference	Herbert Schildt		
3				
4				
5				
6				
7				

Unique Equipment Required:

White Board, Marker, Projector, Laptop/desktop

Computer Lab with wifi and software:

OS: Windows, LINUX.

Data Analysis tools: SQL, Apache Spark.

JDK (Java Development Kit) JDBC driver. Database Tools: MySQL.

Timestamp	Email Address	Complete Name	Mobile Number
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3/20/2023 12:08:53	nehapansande@gmail.	Neha nitin pansande	7249739306
3/20/2023 12:09:15	revatodkar3199@gmai	Reva Uday Todkar	7875269776
3/20/2023 12:11:06	shraddhakate22@gma	Shraddha Santosh Kat	7774860727
3/20/2023 12:11:37	guravbhagyashree301	Bhagyashree Shashika	8459991695
3/20/2023 12:11:42	kartikiwangade@gmail	Kartiki Sanjay Wangad	9067460565
3/20/2023 12:12:19	kckadam11@gmail.co	Kadam Kajal Chandrak	9850130244
3/20/2023 12:12:45	manalipotdar7@gmail.	Manali Vijay Potdar	7350382359
3/20/2023 12:12:52	02020shraddha@gmai	ShraddhaDattatray Shi	9665149606
3/20/2023 12:13:12	patilds152001@gmail.	Dipti Suryakant Patil	8698823160
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3/20/2023 14:41:08	pranaligharge162001@ Pranali kalyan Gharge	9689515411
3/20/2023 15:02:17	swaliharoonmulla192@ Swaliha Haroon Mulla	8767126637
3/20/2023 15:33:39	dhanshrikhandagale7@ Dhanshri Chhagan Kha	7249674690
3/20/2023 15:55:34	ektasawant141@gmail Ekta Ravindra Sawant	8668332704
3/20/2023 16:35:11	kiranyadav96k@gmail. Yadav Kiran Mahadeo	9892334331
3/20/2023 16:59:20	karanmore414@gmail. Java full stack	7038936357
3/20/2023 17:05:03	karanmore414@gmail. Karan Abasaheb More	7038936357
3/20/2023 17:08:07	Parthgarware@gmail.c Parth Vivek Garware	9527328167
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shraddhakate22@gmail	ENTC	Batch-II MECH & ENT	Yes
guravbhagyashree301	CSE	Batch -I CSE	Yes
kartikiwangade@gmail	CSE	Batch -I CSE	Yes
kckadam11@gmail	cor CSE	Batch -I CSE	Yes
manalipotdar7@gmail	CSE	Batch -I CSE	Yes
02020shraddha@gmail	ENTC	Batch-II MECH & ENT	Yes
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trupti152001@gmail	cc CSE	Batch -I CSE	Yes
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rajsinhjadhav4411@gn	CSE	Batch -I CSE	Yes
mayuriyadav168@gm	CSE	Batch -I CSE	Yes
vishwajeetsuryawanshi	CSE	Batch -I CSE	Yes
shreyajadhav8784@gn	CSE	Batch -I CSE	Yes
suryawanshiv2001@gr	CSE	Batch -I CSE	Yes
shinderutuja2007@gm	CSE	Batch -I CSE	Yes
Ganeshkhabale9476@	ENTC	Batch-II MECH & ENT	Yes
kshirsagarvaishnavi91	CSE	Batch -I CSE	Yes
namratashinde055@gr	CSE	Batch -I CSE	Yes
omkarsawant595@gm	CSE	Batch -I CSE	Yes
rohitdange2814@gmai	CSE	Batch -I CSE	Yes

aishupawar666@gmail	CSE	Batch -I	CSE	Yes
vishwajeet6nov@gmail	ENTC	Batch-II	MECH & ENT	(Yes
siddeshbhandare1@gm	CSE	Batch -I	CSE	Yes
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Mayurid132@gmail.coi	CSE	Batch -I	CSE	Yes
anujagaikwad546@gm	CSE	Batch -I	CSE	Yes
pritimore078@gmail.cc	CSE	Batch -I	CSE	Yes
taterasika@gmail.com	MECH	Batch-II	MECH & ENT	(Yes
pranali989013@gmail.	CSE	Batch -I	CSE	Yes
sonavalesonali690@gr	MECH	Batch-II	MECH & ENT	(Yes
yashshah2245@gmail.	MECH	Batch-II	MECH & ENT	(Yes
sathesanket72@gmail.	MECH	Batch-II	MECH & ENT	(Yes
vaishnavipawar7744@	MECH	Batch-II	MECH & ENT	(Yes
benzirmulla5@gmail.c	MECH	Batch-II	MECH & ENT	(Yes
akankshapol20@gmail	MECH	Batch-II	MECH & ENT	(Yes
rutikdolare3105@gmai	MECH	Batch-II	MECH & ENT	(Yes
rushishinde096@gmail	MECH	Batch-II	MECH & ENT	(Yes
anujramdasi12421@gr	MECH	Batch-II	MECH & ENT	(Yes
sarangsjamdar@gmail.	MECH	Batch-II	MECH & ENT	(Yes
yadvprasad427@gm	MECH	Batch-II	MECH & ENT	(Yes
pawar64546022@gmai	MECH	Batch-II	MECH & ENT	(Yes
rajeshmaske98@gmail	MECH	Batch-II	MECH & ENT	(Yes
snehalningadale5@gm	ENTC	Batch-II	MECH & ENT	(Yes
harshadatapase2018@	CSE	Batch -I	CSE	Yes
pranaligharge162001@	CSE	Batch -I	CSE	Yes
swaliharoonmulla192@	CSE	Batch -I	CSE	Yes
dhanshrikhandagale7@	CSE	Batch -I	CSE	Yes
ektasawant141@gmail	CSE	Batch -I	CSE	Yes
Kiranyadav96k@gmail	CIVIL	Batch-II	MECH & ENT	(Yes
karanmore414@gmail.	CSE	Batch -I	CSE	Yes
karanmore414@gmail.	CSE	Batch -I	CSE	Yes
Parthgarware@gmail.c	CSE	Batch -I	CSE	Yes
adakenikita06@gmail.c	CSE	Batch -I	CSE	Yes
daudmulla08@gmail.c	CSE	Batch -I	CSE	Yes
tirmare1591@gmail.co	CSE	Batch -I	CSE	Yes
Vishwajeetspatil500@c	CSE	Batch -I	CSE	Yes
payaljadhav0098@gm:	CSE	Batch -I	CSE	Yes

confirm that all the above mentioned details are true and I will complete the Training as per the

› schedule.

**DACOE- Symbiosys - Java Full Stack Developer Course
Batch-1 CSE**

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Batch-2 - ENTC/ MECH /CIVIL

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aking: I hereby confirm that all the above mentioned details are true and I will complete the Training as per the schedule.