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KAMALA EDUCATION SOCIETY'S

**PRATIBHA INSTITUTE OF
BUSINESS MANAGEMENT**

*Recognised by Government of Maharashtra,
Affiliated to Savitribai Phule Pune University and Approved by AICTE
ACCREDITED BY NAAC*

1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

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Academic Year 2020-21

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University Calendar

Savitribai Phule Pune University
(Formerly University of Pune)



Circular No. 284 of 2020

Important Notification

**Dates of Commencement and Conclusion of Ist & IInd terms for the Academic Year 2020-2021
For affiliated Colleges/recognised Institutes Only.**

It is hereby informed that, the dates of Commencement and conclusion of the Ist and IInd term of for the Academic Year 2020-2021 University Courses, under various faculties shall be as under :

Dates of Commencement and conclusion of First Year of academic session 2020-21 will be declared later.

Sr. No.	Name of the Courses and Faculties	2020-2021			
		First Term		Second Term	
		Commencement	Conclusion	Commencement	Conclusion
1	Science & Technology				
	Science	15/06/2020	05/12/2020	01/01/2021	15/05/2021
	Engineering : SE,TE,BE	15/06/2020	05/12/2020	01/01/2021	15/05/2021
	Engineering :ME - II Year. MCA- II & III Year	01/07/2020	24/12/2020	19/01/2021	31/05/2021
	B.Architecture II, III, IV & V Year.	15/06/2020	05/12/2020	01/01/2021	15/05/2021
	M. Architecture II Year.	01/07/2020	24/12/2020	19/01/2021	31/05/2021
	B. Pharmacy	15/06/2020	05/12/2020	01/01/2021	15/05/2021
	M. Pharmacy	01/07/2020	24/12/2020	19/01/2021	31/05/2021
2	Commerce & Management				
	Commerce	15/06/2020	05/12/2020	01/01/2021	15/05/2021
	Management	01/07/2020	24/12/2020	19/01/2021	31/05/2021
3	Humanities				
	Arts & Fine Arts	15/06/2020	05/12/2020	01/01/2021	15/05/2021
	Mental Moral and Social Sciences				
	Law : UG & PG (II/III/IV/V Year.)	01/07/2020	24/12/2020	19/01/2021	31/05/2021
4	Inter-disciplinary Studies				
	Education II Year. (B.Ed., M.Ed.)	01/07/2020	24/12/2020	19/01/2021	31/05/2021
	Physical Education II Year. (B.P.Ed., M.P.Ed.)	01/07/2020	24/12/2020	19/01/2021	31/05/2021

NOTE

1. In view of prevailing COVID-19 situation in the Country, Colleges / Institutes shall required to follow the guidelines / instructions issued by the Government of Maharashtra time to time.
2. In case, the Principal of the affiliated Colleges require to give additional holiday in exceptional circumstances, he may do by the compensating the same by keeping the College working on Sunday.
3. The Term & holidays for the Post-Graduate courses counducted in the Colleges/Institutes will be as per the University Department.


Deputy Registrar
(P.G.Admission)

Ganeshkhind, Pune-07

Ref. No. PGS/ 1817

Date: 15/10/2020

Copy to: for Information and necessary action

The Members of the Management Council.

The Deans of Faculties.

The Registrar, Savitribai Phule Pune University, Pune.

The Director, Examinations & Evaluation, Savitribai Phule Pune University, Pune.

The Heads of all University Departments.

The Principals of all Affiliated Colleges.

The Directors of all Recognized Institutes.

The Heads of all the Administrative Sections of the University Office.

Asstt. Registrar, office of the Hon. Vice-Chancellor, Savitribai Phule Pune University

Asstt. Registrar, office of the Hon. Pro-Vice-Chancellor, Savitribai Phule Pune University

Savitribai Phule Pune University
(Formerly University of Pune)



Circular No. 285 of 2020

Important Notification

**Dates of Commencement and Conclusion of Ist & IInd terms for the Academic Year 2020-2021
U. G. / P. G. Courses for University Departments**

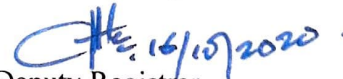
It is hereby informed that, the dates of Commencement and Conclusion of Ist & IInd terms for the Academic Year 2020-2021 University Courses, under various faculties shall be as under :

Dates of Commencement and conclusion of First Year of academic session 2020-21 will be declared later.

Sr. No.	Name of the Courses and Faculties	2020 - 2021			
		First Term		Second Term	
		Commencement	Conclusion	Commencement	Conclusion
1	Science & Technology	01/07/2020	05/12/2020	01/01/2021	15/05/2021
	Science				
	Technology				
2	Commerce & Management				
	Commerce				
	Management				
3	Humanities				
	Arts & Fine Arts				
	Mental Moral and Social Sciences				
	Law				
4	Inter- disciplinary Studies				
	Education				
	Physical Education				

NOTE

1. In view of prevailing COVID-19 situation in the Country, Colleges / Institutes shall required to follow the guidelines / instructions issued by the Government of Maharashtra time to time.
2. In case, the Head of Departments require to give additional holiday in exceptional circumstances, he may do by the compensating the same by keeping Department working on Sunday.


Deputy Registrar
(P.G.Admission)

Ganeshkhind, Pune-07

Ref. No. PGS/ 1818

Date: 15/10/2020

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The Members of the Management Council.

The Deans of Faculties.

The Registrar, Savitribai Phule Pune University, Pune.

The Director, Examinations & Evaluation, SPPU, Pune

The Heads of all University Departments.

The Principals of all Affiliated Colleges.

The Directors of all Recognized Institutes.

The Heads of all the Administrative Sections of the University Office.

Asstt. Registrar, office of the Hon. Vice-Chancellor SPPU, Pune

Asstt. Registrar, office of the Hon. Pro-Vice-Chancellor, SPPU, Pune.

MCA
Department Calendar



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Departmental Activity Calendar / Plan
(AY 2020-21 - Part 1)

Sr.No	Activities / Events	Date
1	Induction to Learner centric and post Covid new way of functioning;	1 st July 2020
2	Guidance to students on short listed courses on different Govt. online platforms – Swayam/NPTEL List of courses is provided below	1 st July 2020
3	Students should communicate on the choice of courses to their class coordinator, which they wish to enroll – Every student should enroll 2 courses 1) <u>Mandatory – Choice of Institute</u> 2) <u>Mandatory – Student's choice</u>	3 rd July 2020
4	Class coordinator to ensure that enrollment is complete and final list is prepared on Swayam / NPTEL platform	By 6 th July 2020
5	Every Course selected by Students from the list below will have Course coordinator from Institute. Course Coordinator should familiarize students with necessary prerequisite and should ensure that Students complete all the pre-requisite before the course starts	Between 6 th July 2020 and Start date of the course as mentioned below
6	Commencement of regular classes based on timetable MCA – II & III year – <u>Lectures will be commenced either as “Classroom session” or “Online” through Microsoft Team</u>	6 th July 2019
7	Commencement of MCA – I – Department level Induction	In August-20 – To be finalized – TBD

8	Bridge Course for MCA-I – based on guidelines published by	In August-20 – To be finalized- TBD
9	Uniform measurement	In August-20 – To be finalized-TBD
10	Institute level Induction Programme	In August-20 – To be finalized-TBD
11	Independence Day	15 th August 2020
12	Students opting for Swayam / NPTEL assessment will attend	September / October – 2020 Based on course selected
13	Students not opting for Swayam / NPTEL assessment will be assessed by Institute “For such Students, Institute may decide to provide certificates, stating the course details, attended duration and marks scored by students in Internal assessment” <u>Feasibility of above to be worked out and verified with Management</u>	September / October – 2020 Based on course selected
14	Independence Day Celebration	15 th August 2020
15	Expert Sessions on R Programming	12 th , 19 th , 26 th September 2020
16	Expert Sessions on GIT	3 rd and 10 th October 2020
17	OMT	TBD
18	Fresher’s Party	TBD
19	Teachers’ Day Celebrations	6 th September 2020
20	Unit Test	*1 st week of October 2020
21	Remedial to be conducted based on previous semester university results and performance in Unit Test	*2 nd Week October 2020

22	Mini project presentations	*Early Nov 2020
23	Diwali Vacation	*November 2020
24	End Term Exam	*After 15 th November 2020
25	Practical Exams	*End November 2020
26	University Examination	*December 2020
27	Commencement of Term Second	*1 st Jan 2020

*Tentative (Likely to change based on further communication from SPPU)

Choice of courses to be enrolled by students online through Swayam / NPTEL Platform

Below courses are free to enroll, but to attend the exam students have to pay nominal fees. [approx. Rs.1000/- per course]

- Big Data Computing – 8 Weeks – IIT Patna – Starts on 17th August 2020 [Exam Date on 20th Oct 2020] [Recommended for MCA-III]
- Cloud Computing - 8 Weeks - IIT Kharagpur – Starts on 20th July 2020 [Exam Date on 27th September 2020] - [Recommended for MCA-II]
- DataBase Management System - 8 Weeks - IIT Kharagpur – Starts on 20th July 2020 [Exam Date on 27th September 2020] [Recommended for MCA-I, MCA-II]
- Introduction to Operating Systems - 8 Weeks – IIT Madras - Starts on 20th July 2020 [Exam Date 27th September 2020] [Recommended for MCA-I,MCA-II]
- Introduction to Internet of Things – 12 weeks – IIT Kharagpur – Starts on 20th July 2020 [Exam date on 18th Oct 2020] [Recommended for MCA-III]
- Programming in Java – 12 Weeks – IIT Kharagpur – Starts on 20th July 2020 [Exam date 17th Oct 2020] [Recommended for MCA-I, MCA-II, MCA-III]
- Programming in C++ -8 weeks - IIT Kharagpur – Starts on 20th July 2020 [exam date 27th September 2020]



Prof. Manish Patankar
HOD MCA Department



Dr. Sachin Borgave
Director





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Departmental Activity Calendar / Plan
(AY 2020-21 - Part 2)

Sr.No	Activities / Events	Date
1	Start of sessions for MCA – Semester IV	25 th January 2021
2	Start of Bridge Course for MCA – Semester – I [Bridge Course for 2 weeks covering following topics] 1.Essentials of Networking 2.Introduction to Web Technology 3.Fundamentals of Programming and Problem Solving 4.Fundamentals of DBMS 5.Fundamentals of OS 6.Recent Trends in IT and Job Opportunities 7.Fundamentals of Information Systems (Various Business Process Domains Approx. 2 lectures per topic above.	25 th January 2021 onwards for 2 weeks
3	Formal Induction – online mode of MCA – I	6 th February 2021
4	Project Guide allocation and initial discussions with project guides for MCA –VI semester students starting from week 8 th February	7 th February 2021 onwards
5	Assessment on Bridge Course	11 th Feb 2021
6	Hands on Session on Wordpress [12 hours]	6 th March 2021, 13 th March 2021, 20 th March 2021, 27 th March 2021
7	Hands on Session on Laravel / CodeIgnitor [12 Hours] – Any one	3 rd April 2021, 10 th April 2021, 24 th April 2021
8	First Internal Examination	Starting 15 th March 2021
9	Second Internal Examination	Starting 15 th April 2021
10	MCA-VI – First presentation of projects to guide	Starting 25 th Feb 2021

11	MCA-VI – Second presentation of projects to guide	Starting 25 th March 2021
12	MCA-VI – Final presentation of projects to guide	Starting 15 th April 2021
13	Practical Exams - for MCA – I – Based on the agreement with external examiner and university time table	End April 2021
14	MCA – VI Final VIVA – Based on the University timetable	End April 2021 / Early May 2021
15	Remedial for MCA-I, MCA-II	Early May 2021
16	Practical for MCA-II	End April 2021 / Early May 2021
17	University Semester examination – based on university timetable	Mid – May 2021



Prof. Manish Patankar
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Dr. Sachin Borgave
Director



Time Table



MCA I , SEM I, DIV-A Time Table (A.Y. 2020-2021)
(2020 Pattern)

Time/Day	Mon	Tue	Wed	Thu	Fri	Sat
9:30-10:30	IT 11	IT 11	IT 11	IT 12	IT 12	IT 12
10:30-11:30	IT 15	IT 15	IT 15	IT 14	IT 14	IT 14
11:30-12:30	IT 13	IT 13	IT 13	OC1	OC2	SS11
12:30-01:30	LUNCH BREAK					
01.30-2.30	IT 11L	IT 12L	IT 11L	IT 12L	IT 12L	HR I
2:30-3:30	IT 11L	IT 12L	IT 11L	IT 12L	IT 11L	IS I
3:30-4:30	ITC11	ITC11	ITC11	ITC11	ITC11	ITC11

Subject Code	Subject Name	Faculty Name
IT 11	Java programming	Mr. Manish Patankar
IT 12	Data Structure and Algorithms	Mrs. Priya Mathurkar
IT 13	Object Oriented Software Engineering	Mrs. Rekha Chouhan
IT 14	Operating System Concepts	Mrs. Kavita Divekar
IT 15	Network Technologies	Mrs. Surabhi Rodi
IT 11L	Java Practical	Mrs. Rupali Deshpande
IT 12L	DS Practical	Mr. Sumit Bagal
ITC11	Mini Project	All Faculty
OC1	Open Course 1	Mrs. Surabhi Rodi
OC2	Open Course 2	Mr. Sumit Bagal
SS11	Soft skill	Mrs. Rutuja Chavan
HR I	Human Rights - I	Mrs. Priyanka Hoval
IS I	Information Security -I	Mrs. Snehal Varhadi



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Time Table-MCA- II Sem III w.e.f July 2020
2019 Pattern

Time	MON	TUE	WED	THU	FRI	SAT
9:30-10:30	IT32	IT32	IT32	IT32	IT33	IT33
10:30-11:30	IT33	IT33	IT31	IT31	IT31	IT31
11:30-12:30	IT34	IT34	IT34	IT34	MT31	MT31
12:30-01:30	LUNCH BREAK					
01.30-2.30	MT31	MT31	OS31	OS32	SS31	CS31
2:30-3:30	OS2L	IT31L	OS2L	IT31L	IS-III	SD-I
3:30-4:30	OS2L	IT31L	OS2L	IT31L	Constitution	Library/ Reading
4:30-5:30	Library/ Reading	Library/ Reading	Library/ Reading	Library/ Reading	Library/ Reading	Library/ Reading

Sub. Code	Subject Name	Faculty Name
IT31	Java Programming	Mr. Manish Patankar
IT32	Data Warehousing & Data Mining	Mrs. Surabhi Rodi
IT33	Testing & Quality Assurance	Mr. Sumit Bagal
MT31	Probability and Combinatorics	Mrs. Rekha Chouhan
IT34	Cloud Computing	Mrs. Priya Mathurkar
OS31	Open Subject 5	Mrs. Kavita Divekar
OS32	Open Subject 6	Mrs. Rutuja Chavan
CS31	Case Study on Design	Mrs. Surabhi Rodi
IT31L	Practical based on IT31	Mrs. Rupali Deshpande
OS2L	Practical based on OS31 and OS32	Mrs. Rekha Chouhan
SS31	Soft Skills - III	Mrs. Priyanka Hoval
IS-III	Information Security-III	Mrs. Vibhavari Jawale
SD-I	Skill Development-I	Mrs. Snehal Varhadi
Constitution	Introduction to Constitution	Mrs. Vibhavari Jawale



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Time Table-MCA- III Sem V w.e.f July 2020
2015 Pattern TRACK-I

Time	MON	TUE	WED	THU	FRI	SAT
9:30-10:30	T1-IT51	T1-IT51	T1-IT51	T1-IT54	T1-IT54	T1-IT54
10:30-11:30	T1-IT52	T1-IT52	T1-IT52	T1-IT52	T1-IT51	T1-IT53
11:30-12:30	ITC51	ITC51	ITC51	ITC51	SSC51	T1-IT54
12:30-01:30	<i>Lunch Break</i>					
01.30-2.30	T1-IT54L	T1-IT53	T1-IT53	T1-IT53	ITC51P	ITC51P
2:30-3:30	T1-IT54L	T1-IT51L	T1-IT54L	T1-IT51L	ITC51P	ITC51P
3:30-4:30	T1-IT54L	T1-IT51L	T1-IT54L	T1-IT51L	ITC51P	ITC51P
4:30-5:30	Library/ Reading	Library/ Reading	Library/ Reading	Library/ Reading	Library/ Reading	Library/ Reading

Subject Code	Subject Title	Faculty Name
ITC51	Software Project Management	Mr. Manish Patankar
ITC51P	Project	All Faculty Members
SSC51	Soft Skills - Group Discussion	Mrs. Snehal Varhadi
T1-IT51	ASP .Net using C#	Mrs. Priya Mathurkar
T1-IT52	Service Oriented Architecture	Mrs Rekha Chouhan
T1-IT53	Big Data Analytics	Mrs. Surabhi Rodi
T1-IT54	Mobile Application Development	Mrs. Kavita Divekar
T1-IT51L	Mini Project using ASP .Net	All Faculty Members
T1-IT54L	Mini Project Using Mobile Application Dev	All Faculty Members



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**Time Table-MCA- III Sem V w.e.f July 2020
2015 Pattern TRACK-III**

Time	MON	TUE	WED	THU	FRI	SAT
9:30-10:30	T3-BM52	T3-BM52	T3-BM52	T3-BM52	T3-IT54	T3-IT54
10:30-11:30	T3-IT53	T3-IT53	T3-IT53	T3-IT53	T3-IT51	T3-IT51
11:30-12:30	ITC51	ITC51	ITC51	ITC51	SSC51	T3-IT54
12:30-01:30	<i>Lunch Break</i>					
01.30-2.30	T3-IT54	T3-BM52L	T3-IT51	T3-IT51L	ITC51P	ITC51P
2:30-3:30	T3-IT51	T3-BM52L	T3-IT51L	T3-IT51L	ITC51P	ITC51P
3:30-4:30	T3-BM52L	T3-BM52L	T3-IT51L	T3-BM52L	ITC51P	ITC51P
4:30-5:30	Library/ Reading	Library/ Reading	Library/ Reading	Library/ Reading	Library/ Reading	Library/ Reading

Subject Code	Subject Title	Faculty Name
ITC51	Software Project Management	Mr. Manish Patankar
ITC51P	Project	All Faculty Members
SSC51	Soft Skills - Group Discussion	Mrs. Snehal Varhadi
T3-IT51	Software Testing & Tools	Mr. Sumit Bagal
T3-BM52	Entrepreneurship Development	Mrs Rekha Chouhan
T3-IT53	Decision Support System	Mrs. Rupali Deshpande
T3-IT54	Business Architecture	Mrs. Surabhi Rodi
T3-IT51L	CASE Tools Lab	Mrs. Priyanka Hoval
T3-BM52L	Activities based on Entrepreneurship	Mrs. Rutuja Chavan




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Time Table-MCA- I Sem II (AY-2020-21)
2020 Pattern

Time	MON	TUE	WED	THU	FRI	SAT
9:30-10:30	IT23	IT23	IT23	IT24	IT24	IT24
10:30-11:30	MT21	MT21	MT21	IT21	IT21	IT21
11:30-12:30	IT22	IT22	IT22	SS21	OC22	OC21
12:30-01:30	Lunch Break					
01.30-2.30	IT21L	IT23L	IT21L	IT23L	IT21L	HR-II
2:30-3:30	IT21L	IT23L	IT21L	IT23L	IT23L	IS-II
3:30-4:30	ITC21	ITC21	ITC21	ITC21	ITC21	ITC21
4:30-5:30	Library/ Reading	Library/ Reading	Library/ Reading	Library/ Reading	Library/ Reading	Library/ Reading

Subject Code	Subject Title	Faculty Name
IT21	Python Programming	Mrs. Priya Mathurkar
IT22	Software Project Management	Mr. Manish Patankar
MT21	Optimization Techniques	Mr. Sumit Bagal
IT23	Advanced Internet Technologies	Mrs. Surabhi Rodi
IT24	Advanced DBMS	Mrs. Kavita Divekar
IT21L	Python Programming Lab	Mrs. Rupali Deshpande
IT23L	Advanced Internet Technologies Lab	Mrs. Rutuja Chavan
ITC21	Mini Project	All Faculty Members
OC21	Open Course 3	Mrs. Rekha Chouhan
OC22	Open Course 4	Mrs. Priyanka Hoval
SS21	Soft Skills - II	Mrs. Snehal Varhadi
HR-II	Human Rights-II	Mrs. Vibhavari Jawale
IS-II	Information Security-II	Mrs. Rutuja Chavan



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Time Table-MCA- II Sem IV (AY 2020-21)
2019 Pattern

Time	MON	TUE	WED	THU	FRI	SAT
9:30-10:30	IT41	IT41	IT41	IT41	BM41	BM41
10:30-11:30	MT41	MT41	MT41	MT41	IT42	IT42
11:30-12:30	IT43	IT43	IT43	IT43	CS41	OS41
12:30-01:30	<i>Lunch Break</i>					
01.30-2.30	BM41	IT42	BM41	IT42	SS21	OS42
2:30-3:30	OS3L	IT41L	OS3L	IT41L	IS-IV	SD-II
3:30-4:30	OS3L	IT41L	OS3L	IT41L	Library/ Reading	Library/ Reading
4:30-5:30	Library/ Reading	Library/ Reading	Library/ Reading	Library/ Reading	Library/ Reading	Library/ Reading

Subject Code	Subject Title	Faculty Name
IT41	Python Programming	Mrs. Priya Mathurkar
BM41	Information System and Security Audit	Mr. Sumit Bagal
MT41	Optimization Techniques	Mr. Manish Patankar
IT42	Essentials of Architectural framework	Mrs. Rekha Chouhan
IT43	Knowledge	Mrs. Kavita Divekar
OS41	Open Subject 7	Mrs. Priyanka Hoval
OS42	Open Subject 8	Mrs. Rupali Deshpande
CS41	Case Study on Development	Mrs. Surabhi Rodi
IT41L	Practical based on IT41	Mrs. Rupali Deshpande
OS3L	Practical based on OS41 a	Mrs. Snehal Varhadi
SS21	Soft Skills - II	Mrs. Rutuja Chavan
IS-IV	Information Security-IV	Mrs. Snehal Varhadi
SD-II	Skill Development - II	Mrs. Vibhavari Jawale



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Time Table-MCA- III Sem VI (AY 2020-21)
2015 Pattern

Time	MON	TUE	WED	THU	FRI	SAT
9:30-10:30	Project	Project	Project	ITC61	ITC61	ITC61
10:30-11:30	Project	Project	Project	Project	ITC61L	ITC61L
11:30-12:30	Project	Project	Project	Project		
12:30-01:30	Lunch Break					
01.30-2.30	Project	Project	Project	Project	Project	Project
2:30-3:30	Project	Project	Project	Project	Project	Project
3:30-4:30	Project	Project	Project	Project	Project	Project

Subject Code	Subject Title	Faculty Name
ITC61	Open subject	Mrs. Surabhi Rodi
ITC61L	Open subject LAB	Mrs. Rutuja Chavan



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Work load



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MCA Work -Load (2020-21) SEM I, SEM-III and SEM V

Sr.No	NAME OF FACULTY	SUBJECT-SEM I		Workload for project		SEM I Total Workload	SEM III		SEM V		Workload for project		SEM III & V Total Workload	Total Workload
		Sub					Sub		Sub					
1	Mrs. Kavita Divekar	IT 14	3	ITC11	1	4	OS31	1	T1-IT54	4	MiniPr	2	7	11
2	Mrs. Priya Mathurkar	IT 12	3	ITC11	1	4	IT34	4	T1-IT51	4	MiniPr	2	10	14
3	Mr. Sumit Bagal	IT12L, OC2	4	---	1	5	IT33	4	T3-IT51	4	---		8	13
4	Mr. Manish Patankar	IT 11	3	ITC11	1	4	IT31	4	ITC51	2	---		6	10
5	Mrs. Vibhavari Jawlae	---		ITC11	1	1	IS-III, Const	2	T3-BM52L	2	MiniPr	2	6	7
6	Mrs. Priyanka Hoval	HR I	1	ITC11	1	2	SS31	1	T3-IT51L	4	---		5	7
7	Mrs. Rutuja Chavan	SS11	1	ITC11	1	2	OS32, OS2L	3			---		3	5
8	Mrs. Rekha Chouhan	IT 13	3	---		3	MT31	4	T1-IT52, T3-BM52	8	---		12	15
9	Mrs. Rupali Deshpande	IT 11L	3	ITC11	1	4	IT31L	2	T3-IT53	4	MiniPr	2	8	12
10	Mrs. Snehal Vharadi	IS I	1	ITC11	1	2	SD-I	1	SSC51	1	MiniPr	2	4	6
11	Mrs. Surabhi Rodi	IT15, OC1	4	---		4	IT32, CS31	5	T1-IT53, T3-IT54	8	---		13	17


Prof. Manish Patankar
MCA HoD




Dr. Sachin Borgave
Director



Kamala Education Society's
PRATIBHA INSTITUTE OF BUSINESS MANAGEMENT

MCA Work -Load (2020-21) SEM II, SEM-IV and SEM VI

Sr.No	NAME OF FACULTY	SUBJECT-SEM II		Workload for project		SEM II Total Workload	SEM IV		SEM VI		Workload for SEM-VI project		SEM IV & VI Total Workload	Total Workload
		Sub					Sub		Sub					
1	Mrs. Kavita Divekar	IT24	3	ITC21	1	4	IT43	4	---		ITC61P	2	6	10
2	Mrs. Priya Mathurkar	IT21	3	ITC21	1	4	IT41	4	---		ITC61P	2	6	10
3	Mr. Sumit Bagal	MT21	3	ITC21	1	4	BM41	4	---		ITC61P	2	6	10
4	Mr. Manish Patankar	IT22	3	ITC21	1	4	MT41	4	---		ITC61P	2	6	10
5	Mrs. Vibhavari Jawlae	HR-II	1	ITC21	1	2	SD-II	1	---		ITC61P	2	3	5
6	Mrs. Priyanka Hoval	OC22	1	ITC21	1	2	OS41	1	---		ITC61P	2	3	5
7	Mrs. Rutuja Chavan	IT23L, IS-II	4	ITC21	1	5	SS21	1	ITC61L	2	ITC61P	2	5	10
8	Mrs. Rekha Chouhan	OC21	1	ITC21	1	2	IT42	4	---		ITC61P	2	6	8
9	Mrs. Rupali Deshpande	IT21L	3	ITC21	1	4	IT41L, OS42	3	---		ITC61P	2	5	9
10	Mrs. Snehal Vharadi	SS21	1	ITC21	1	2	OS3L, I	3	---		ITC61P	2	5	7
11	Mrs. Surabhi Rodi	IT23	3	ITC21	1	4	CS41	1	ITC61	3	ITC61P	2	6	10


 Prof. Manish Patankar
 MCA HoD




 Dr. Sachin Borgave
 Director

CIE Calendar



MCA department

Continuous Internal Evaluation, A.Y 2020-21

Theory Subject:

Sr. No	Evaluation Parameter	Description
1	Unit test	25 Marks
2	End Term Exam	50 Marks
3	Assignment/ Tutorial / Open Book Test	a) Written/Typed Assignment can be taken based on each chapters b) Tutorial can designed by subject teacher according to teaching plan d) Open book test as per teaching plan of subject teacher Note: assignments distribution of chapter can be changed according to syllabus completion status
4	Class Participation	Active Class Participation will be considered by relevant subject teachers in lectures
5	Activities Participation	Participation in workshops/seminars/guest lectures/training sessions

Marking Scheme-Theory Subjects

Sr. No.	Evaluation Parameter	Marks	Total Marks
1	Unit test	25 Marks	5
2	End Term exam	50 marks	10
3	Assignment/ Tutorial / Open Book Test	20 marks	5
4	Class Participation	25 marks	5
5	Activity Participation	5 Marks for Participating in various activities in college and inter-college, university level will be consider	5
		Total	30

Marking Scheme-Practicals

Sr. No	Evaluation Parameter	Description	Total Marks
1	Participation in Lab	Students are expected to do practical assignment in computer lab as per schedule	05
2	Execution of Program during Practical assessment	Students are expected to do practical assignment in during practical Examination.	15
3	Assignment / Journal for the semester	Students are expected to submit the hard copy of all assignments/ Journal as a part of final submission.	20
4	VIVA during Practical Assessment	Students will be accessed based on Oral Examination	10
		Total	50

Marking Scheme-Mini Project

Sr. No	Evaluation Parameter	Description	Total Marks
1	Project Synopsis	should contain an Introduction to Project clearly stating the project scope in detail justifying enough scope	10
2	Presentation	Presentation should be given by students on the basis of modules completed throughout semester. Final presentation should cover entire project documentation and working demo(each module)	20
3	Mini project report	Students are expected to submit the soft copy of mini project report as a part of final submission.	10
4	Viva	Students will be accessed based on Oral Examination during final presentation	10
		Total	50



Prof. Manish Patankar
MCA HoD

Dr. Sachin Borgave
Director



Kamala Education Society's
PRATIBHA INSTITUTE OF BUSINESS MANAGEMENT

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Concurrent Internal Evaluation Calendar
MCA SEM I - 2020-21

Subject Code	Subject Name	CIE 1 - 25 Marks	Submission Date	CIE 2 - 50 Marks	Submission Date	Assignment /presentation/ Tutorial / Open Book Test	Submission Date	CIE 4 -5 Marks
IT11	Java Programming	Unit test 1- MCQ	19th March 2021	End Term Exam- MCQ	15th May 2021	Written Assignment	8th April 2021	Classroom interaction (For the period of Academic Session)
IT12	Data Structure and Algorithms	Unit test 1- MCQ	19th March 2021	End Term Exam- MCQ	15th May 2021	Written Assignment	25th May 2021	
IT13	Object Oriented Software	Unit test 1- MCQ	19th March 2021	End Term Exam- MCQ	16th may 2021	Written Assignment	21st March 2021	
IT14	Operating System Concepts	Unit test 1- MCQ	19th March 2021	End Term Exam- MCQ	16th may 2021	Written Assignment	29th April 2021	
IT15	Network Technologies	Unit test 1- MCQ	20th March 2021	End Term Exam- MCQ	16th may 2021	Written Assignment	10th may 2021	
OC11	Open Course 1	Unit test 1- MCQ	20th March 2021	End Term Exam- MCQ	17th May 2021	Written Assignment	30th April 2021	
OC12	Open Course 2	Unit test 1- MCQ	20th March 2021	End Term Exam- MCQ	17th May 2021	Written Assignment	25th May 2021	
SS11	Soft Skills - I	Unit test 1- MCQ	20th March 2021	End Term Exam- MCQ	17th May 2021	Written Assignment	12th April 2021	

Subject Code	Subject Name	CIE 1 - 15 Marks	Submission Date	CIE 2 - 10 Marks	Submission Date	CIE 3 - 10 Marks	Submission Date	CIE 4 - 5 Marks
IT11L	Practical(DSA and Java)	Internal practical Examination	12th and 13th May 2021	Viva	12th and 13th May 2021	Journal(Assignment) Submission	10th May 2021	Classroom interaction (For the period of Academic Session)

Subject Code	Subject Name	CIE 1 - 10 Marks	Submission Date	CIE 2 - 5 Marks	Submission Date	CIE 3 - 35 Marks	Submission Date
ITC11	Mini Project	Project Diary	5th June to 12th June 2021	Project Synopsis	25th March 2021	Presentation	5th June to 12th June 2021



Manish Patankar
Prof. Manish Patankar
HOD, MCA Department

CIE Evaluation Assessment

Unit test

The screenshot shows a Microsoft Teams window with a sidebar on the left containing icons for Activity, Chat, Teams, Assignments, Calendar, Calls, OneDrive, and Apps. The main content area displays a review for a unit test titled "Review: Python Programming_Unit Test-MCA-Sem IV-2019Pat A... (MCA-II-Year_Examination-2019pat.(A.Y-2020-21))". The review is for the user "Badal Chauhan" (Respondent ID 33). The test results show a time to complete of 39:54 and a score of 16/25 points. A green banner indicates "Correct 1/1 Points". Below this, a question number "1" is visible. A "Review next" button is in the top right, and a "Close" button is in the top right corner of the window. An "Activate Windows" watermark is present in the bottom right.

Search (Ctrl+Alt+E)

Activity Chat Teams Assignments Calendar Calls OneDrive Apps

Chauhan, Badal

Review next

Review: Python Programming_Unit Test-MCA-Sem IV-2019Pat A... (MCA-II-Year_Examination-2019pat.(A.Y-2020-21))

People Questions

Respondent

33 Badal Chauhan

39:54 Time to complete

16/25 Points

✓ Correct 1/1 Points

1 / 1 pt Auto-graded

1

Activate Windows
Go to Settings to activate Windows.

The screenshot shows a Microsoft Teams window with a sidebar on the left containing icons for Activity, Chat, Teams, Assignments, Calendar, Calls, OneDrive, and Apps. The main content area displays a review for a unit test titled "Review: Python Programming_Unit Test-MCA-Sem IV-2019Pat A... (MCA-II-Year_Examination-2019pat.(A.Y-2020-21))". The review is for the user "Darksha Tamboli" (Respondent ID 45). The test results show a time to complete of 08:37 and a score of 13/25 points. A green banner indicates "Correct 1/1 Points". Below this, a question number "1" is visible. A "Review next" button is in the top right, and a "Close" button is in the top right corner of the window. An "Activate Windows" watermark is present in the bottom right.

Search (Ctrl+Alt+E)

Activity Chat Teams Assignments Calendar Calls OneDrive Apps

Tamboli, Darksha

Review next

Review: Python Programming_Unit Test-MCA-Sem IV-2019Pat A... (MCA-II-Year_Examination-2019pat.(A.Y-2020-21))

People Questions

Respondent

45 Darksha Tamboli

08:37 Time to complete

13/25 Points

✓ Correct 1/1 Points

1 / 1 pt Auto-graded

1

Activate Windows
Go to Settings to activate Windows.

End Tem

The screenshot shows a Microsoft Teams window with a sidebar on the left containing icons for Activity, Chat, Teams, Assignments, Calendar, Calls, OneDrive, and Apps. The main content area displays a quiz review for 'Chauhan, Badal'. At the top, there is a search bar and a 'Close' button. Below this, a 'Review next' button is visible. The quiz title is 'Review: IT41:Python Programming (MCA-II-Year_Examination-2019pat.(A.Y-2020-21))'. Under the 'People' tab, a table lists the respondent 'Badal Chauhan' with a score of '22/50' and a 'Time to complete' of '75:41'. A green banner at the bottom indicates 'Correct 1/1 Points'. A small '1' is shown in a blue box at the bottom left. An 'Activate Windows' watermark is present in the bottom right corner.

Respondent	Time to complete	Points
Badal Chauhan	75:41	22/50

Correct 1/1 Points

1

Activate Windows
Go to Settings to activate Windows.

The screenshot shows a Microsoft Teams window with a sidebar on the left containing icons for Activity, Chat, Teams, Assignments, Calendar, Calls, OneDrive, and Apps. The main content area displays a quiz review for 'Tamboli, Darksha'. At the top, there is a search bar and a 'Close' button. Below this, a 'Review next' button is visible. The quiz title is 'Review: IT41:Python Programming (MCA-II-Year_Examination-2019pat.(A.Y-2020-21))'. Under the 'People' tab, a table lists the respondent 'Darksha Tamboli' with a score of '20/50' and a 'Time to complete' of '03:22'. A red banner at the bottom indicates 'Incorrect 0/1 Points'. A small '1' is shown in a blue box at the bottom left. An 'Activate Windows' watermark is present in the bottom right corner.

Respondent	Time to complete	Points
Darksha Tamboli	03:22	20/50

Incorrect 0/1 Points

1

Activate Windows
Go to Settings to activate Windows.



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Knowledge is Power

MCA Department

Continuous Internal Evaluation (Out of 30) AY-2020-21

Subject : IT41-Python Programming

Course-MCA II Sem IV (2019 Pattern)

Roll No.	Name of Student	Class Participation (Weightage 20%)	Assignment/ Tutorial (Weightage 28%)	Unit Test (Weightage 20%)	End Term (Weightage 32%)	Percentile
1	Akshay N Mankar	4	12	2	2	84
2	Amol Vishwanath Kalshetty	3	9	3	3	67
3	Aniket C Brahamankar	2	7	2	2	16
4	Anita Tarashankar Chaubey	2	4	3	3	10
5	Ashutosh S Kumar Arya	2	5	4	4	34
6	Badal Tribhuvan Chauhan	4	10	3	3	84
7	Darksha Ilias Tamboli	2	5	3	3	16
8	Dev Prakash Thakur	4	13	3	Absent	84
9	Gunjan Gajendra Dhande	3	7	3	3	45
10	Harsh Subhash Ratnani	4	9	2	2	56
11	Harshal Satish Bhore	3	8	3	4	67
12	Karan Gore	4	11	Absent	Absent	34
13	Kiran Madhukar Wankhede	4	5	3	3	34
14	Mansimran Raminder Kaur	2	4	3	3	10
15	Mayur Bapurao Gangurde	5	13	Absent	Absent	67

Roll No.	Name of Student	Class Participation (Weightage 20%)	Assignment/ Tutorial (Weightage 28%)	Unit Test (Weightage 20%)	End Term (Weightage 32%)	Percentile
16	Mohsin Majjid Patel	3	8	4	3	67
17	Mukta Ashok Patil	1	5	4	3	16
18	Nandini Pandit Jadhav	5	13	3	4	99
19	Neetha Gopinath Nair	3	11	3	3	84
20	Neha Balu Shende	3	12	2	3	84
21	Neha Sakharam Narawade	4	5	3	3	34
22	Nikhath Jameel Khan	2	4	3	3	10
23	Pallavi Chandrabhan Joshi	3	8	3	3	56
24	Papiha Sandeep Patil	5	13	2	2	94
25	Pawan Kumar Pradeep Kumar	5	13	3	3	98
26	Pooja Chandrabhan Joshi	3	12	3	3	90
27	Prajakta Shankar Kharche	3	8	3	3	56
28	Prajakta Vilas Nakat	2	4	3	3	10
29	Radhika Dipak Joshi	4	11	2	Absent	56
30	Rama Ramesh Gaikwad	3	5	3	3	24
31	Rohan Ramesh Shelar	5	13	Absent	3	90
32	Rohan Venkatesh Ghose	3	5	3	2	16
33	Rushikesh Kishor Pawar	3	4	3	2	10
34	Sanyogita Shankar Desai	3	9	3	4	76
35	Sejal Sanjay Jadhav	1	4	3	4	10
36	Shubham Maruti Mali	4	5	3	3	34
37	Shubham Maruti Patil	3	8	3	4	67

Roll No.	Name of Student	Class Participation (Weightage 20%)	Assignment/ Tutorial (Weightage 28%)	Unit Test (Weightage 20%)	End Term (Weightage 32%)	Percentile
38	Sneha N Vishwakarma	2	5	3	3	16
39	Sonal Anant Rane	3	9	3	3	67
40	Sonal Dilip Rane	3	5	3	3	24
41	Sonali Pramod Soma	2	7	2	3	24
42	Srushti Vilas Bhangale	4	10	3	4	90
43	Suchitra Yashwant Girdhar	2	7	3	5	56
44	Upasana Umesh Saha	4	13	2	3	94
45	Vaishnavi Anil Marathe	2	5	3	3	16
46	Virender P Vishwakarma	2	4	3	3	10
47	Vivek Manan Thakur	2	5	3	3	16
48	Yogeshkumar S Dubey	3	5	3	3	24



Kamala Education Society's
PRATIBHA INSTITUTE OF BUSINESS MANAGEMENT

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MCA Department

Continuous Internal Evaluation (Out of 30) AY-2020-21

Subject : IT41-Python Programming

Course-MCA II Sem IV (2019 Pattern)

Roll No.	Seat No.	Name of Student	Class Participation (Weightage 20%)	Assignment/ Tutorial (Weightage 28%)	Unit Test (Weightage 20%)	End Term (Weightage 32%)	Total	Percentile
1	15926	Akshay N Mankar	3	0	2	2	7	22
2	15927	Amol Vishwanath Kalshetty	3	0	3	3	9	32
3	15931	Aniket C Brahamankar	2	0	2	2	6	17
4	15932	Anita Tarashankar Chaubey	3	7	3	3	16	74
5	15928	Ashutosh S Kumar Arya	3	13	4	4	24	97
6	15933	Badal Tribhuvan Chauhan	5	0	3	3	11	44
7	15966	Darksha Ilias Tamboli	5	13	3	3	24	97
8	15935	Dev Prakash Thakur	4	7	3	Absent	14	62
9	15936	Gunjan Gajendra Dhande	4	7	3	3	17	78
10	15940	Harsh Subhash Ratnani	2	0	2	2	6	17
11	15930	Harshal Satish Bhole	2	0	3	4	9	32
12	15925	Karan Gore	2	0	Absent	Absent	2	6
13	15970	Kiran Madhukar Wankhede	2	0	3	3	8	27
14	15945	Mansimran Raminder Kaur	3	7	3	3	16	74
15	15924	Mayur Bapurao Gangurde	2	0	Absent	Absent	2	6
16	15952	Mohsin Majjid Patel	3	7	4	3	17	78
17	15953	Mukta Ashok Patil	5	13	4	3	25	98
18	15941	Nandini Pandit Jadhav	2	7	3	4	16	74

Roll No.	Seat No.	Name of Student	Class Participation (Weightage 20%)	Assignment/ Tutorial (Weightage 28%)	Unit Test (Weightage 20%)	End Term (Weightage 32%)	Total	Percentile
19	15950	Neetha Gopinath Nair	3	0	3	3	9	32
20	15963	Neha Balu Shende	3	13	2	3	21	92
21	15951	Neha Sakharam Narawade	2	7	3	3	15	68
22	15946	Nikhat Jameel Khan	4	7	3	3	17	78
23	15943	Pallavi Chandrabhan Joshi	2	0	3	3	8	27
24	15954	Papiha Sandeep Patil	2	0	2	2	6	17
25	15956	Pawan Kumar Pradeep Kumar	2	0	3	3	8	27
26	15944	Pooja Chandrabhan Joshi	2	0	3	3	8	27
27	15947	Prajakta Shankar Kharche	2	0	3	3	8	27
28	15958	Prajakta Vilas Nakat	2	0	3	3	8	27
29	15959	Radhika Dipak Joshi	2	0	2	Absent	4	11
30	15937	Rama Ramesh Gaikwad	4	7	3	3	17	78
31	15962	Rohan Ramesh Shelar	2	7	Absent	3	12	50
32	15938	Rohan Venkatesh Ghose	2	0	3	2	7	22
33	15957	Rushikesh Kishor Pawar	4	0	3	2	9	32
34	15934	Sanyogita Shankar Desai	2	0	3	4	9	32
35	15942	Sejal Sanjay Jadhav	2	13	3	4	22	94
36	15948	Shubham Maruti Mali	5	13	3	3	24	97
37	15955	Shubham Maruti Patil	3	0	3	4	10	38
38	15964	Sneha N Vishwakarma	2	0	3	3	8	27
39	15960	Sonal Anant Rane	4	0	3	3	10	38
40	15961	Sonal Dilip Rane	2	0	3	3	8	27
41	15965	Sonali Pramod Soma	2	0	2	3	7	22
42	15929	Srushti Vilas Bhangale	5	13	3	4	25	98
43	15939	Suchitra Yashwant Girdhar	2	0	3	5	10	38
44	15967	Upasana Umesh Saha	2	0	2	3	7	22
45	15949	Vaishnavi Anil Marathe	5	13	3	3	24	97
46	15968	Virender P Vishwakarma	2	0	3	3	8	27
47	15969	Vivek Manan Thakur	3	0	3	3	9	32
48	15971	Yogeshkumar S Dubey	2	0	3	3	8	27

Departmental MoM



Knowledge is Power

**Kamala Education Society's
PRATIBHA INSTITUTE OF BUSINESS MANAGEMENT**

Department of MCA
Academic Year 2020-21
Minutes of Meeting

Date: 10/7/2020 Time: 1.00 p.m -1.30 p.m Venue: Hybrid (online/Offline)

1	Effect on MCA I admissions 2020 due to pandemic
2	MS Team functionality Check
3	Time Table for the current session for MCA IInd Year
4	Teaching Lesson and lesson plan formation and discussion, Next month's activities and roles and responsibilities faculty wise
5	Swayam/Nptel Courses Discussion
Agenda Point	<u>Agenda Description</u>
1	MCA HoD Prof. Manish Patankar welcomed all the faculties. Discussion started on strategies on smooth functioning of department to be decided after Lockdown period (18 March 2020 to 1 June 2020).
2	Due to Covid-19 Pandemic, This year's MCA 1 st year admission was delayed .Due to pandemic, department has to conduct classes online. So department has planned to take lectures online on MS Team, testing on the same was planned, and Prof. Kavita and Prof. Priya was given the responsibility of checking the functionalities of MS Team
3	Prof. Kavita was asked to prepare the time table of MCA IInd Year Sem III and MCA IIIrd Year Sem V for the current academic session.
4	Teachers were asked to submit teaching lesson plan for their respective subjects. And CIE for the current sem was also discussed.
5	It was decided that, Students should opt for NPTEL courses related to computer Science available on "SWAYAM" portal. Every student has to select 2 courses for their current sem. Prof. Manish asked class co-ordinators to ensure the enrolment of student in respective courses and prepare the list

Minutes Taken by: Prof. Kavita Divekar

Next Meet Proposed Date: 10/8/2020



Knowledge is Power

**Kamala Education Society's
PRATIBHA INSTITUTE OF BUSINESS MANAGEMENT**

Department of MCA
Academic Year 2020-21
Minutes of Meeting

Date: 05/08/2020

Time: 11.00 a.m

Venue: Hybrid

1	Review of online lectures and courses
2	Continuous Internal Assessment plan
3	Research in Focus
4	Website update
Agenda Point	<u>Agenda Description</u>
1	MCA HoD Prof. Manish Patankar welcomes all the faculties. As 1 month already completed for conducting online lectures, sir asked about the experience and tell everyone to be interactive and innovative learning pedagogy to engage students in online sessions. Sir asked to students about the same.
2	CIE for the current semester is planned tentatively. Prof. Kavita and Prof. Priya gave their input for the CIE and sir asked them to create a template and submit to him.
3	Sir asked each faculty member to focus on research. As this is the best time to of online era so that anyone can attend sessions online and learn new things. Sir tols faculty members to try to crack NET exam also.
4	At last sir focuses on college website, which need some updations. Sir asked Prof. Surabhi and Prof. Priya to verify and give him a list of changes.

Minutes Taken by: Prof. Kavita Divekar

Next Meet Proposed Date: 15/9/2020



Department of MCA
Academic Year 2020-21
Minutes of Meeting

Date: 15/09/2020

Time: 11.00 a.m

Venue: Hybrid

1	MCA III sem VI th sem viva external project viva briefing
2	Expert Session on R-Programming
3	SWAYAM Courses review.
Agenda Point	<u>Agenda Description</u>
1	MCA HoD Prof. Manish Patankar welcomes all the faculties. As MCA III sem VI th sem viva external project viva-voce dates are declared by SPPU and they are taking project exams online, sir gave briefing about the same to Prof. Surabhi and Dr. Rekha.
2	Sir told Prof. Kavita to coordinate with guest and arrange session on R-programming. Also communicate about the same with students.
3	At last sir asked everyone to take a review of SWAYM NPTEL courses and ask students to participate in discussion forums of NPTEL SWAYAM.

Minutes Taken by: Prof. Surabhi Rodi

Next Meet Proposed Date: 03/10/2020



Knowledge is Power

**Kamala Education Society's
PRATIBHA INSTITUTE OF BUSINESS MANAGEMENT**

Department of MCA
Academic Year 2020-21
Minutes of Meeting

Date: 03/10/2020

Time: 10.00 a.m

Venue: Hybrid

1	Unit Test of MCA II & III year.
2	Review meeting for 3rd and vth sem
3	Admission status
Agenda Point	<u>Agenda Description</u>
1	MCA HoD Prof. Manish Patankar welcomes all the faculties. Sir started discussion with the Unit test of MCA II & III year on 12 to 16 oct 2020. Sir asked Prof. Kavita to prepare unit test time table. And asked everyone to prepare question paper about the same.
2	Sir asked everyone to give brief about MCA sem III and V lectures. He also asked to take a review of students to each faculty member.
3	At the end sir discussed about the admission status of MCA 2021.

Minutes Taken by: Prof. Kavita Divekar

Next Meet Proposed Date: 15/11/2020



**Kamala Education Society's
PRATIBHA INSTITUTE OF BUSINESS MANAGEMENT**

**Department of MCA
Academic Year 2021-22
Minutes of Meeting**

Date: 15/11/2020

Time: 11.00 a.m

Venue: Hybrid

1	Admission of MCA 1 st Year
2	Remedial to be conducted based on previous semester university results and performance in Unit tests
3	End term and Practical Exam
4	Mini Project Presentation
Agenda Point	<u>Agenda Description</u>
1	MCA HoD Prof. Manish Patankar welcomes all the faculties. Sir started discussion with MCA I year admission 2020. Sir asked every faculty member to counsel students online and make them aware about the admission process.
2	Prof. Sumit asked to conduct remedial classes. He asked to communicate with faculty members and students and work on the remedials.
3	Prof. Kavita asked to prepare time table for End term exam and internal practical exam for current batch.
4	At last every faculty member asked to take online mini project presentation of MCA students.

Minutes Taken by: Dr. Rekha Chouhan

Next Meet Proposed Date: 15/12/2020



**Department of MCA
Academic Year 2020-21
Minutes of Meeting**

Date: 2/12/2020

Time: 11:30 a.m

Venue: Hybrid

1	Admissions Update
2	To discuss about purchase of writing pad for MCA dept
3	Library books purchase,
Agenda Point	<u>Agenda Description</u>
1	MCA HoD Prof. Manish Patankar welcomes all the faculties' members to the meeting. Sir discussed about admission status.
2	Few faculty members are facing problem during online lectures they asked to provide writing pad. Sir permitted them to purchase writing pad for MCA department.
3	Few faculty asked to purchase books they want for the research and study purpose. Sir allowed them for the purchase.

Minutes Taken by: Prof. Sumit Bagal

Next Meet Proposed Date: 12/01/2021



Knowledge is Power

Kamala Education Society's
PRATIBHA INSTITUTE OF BUSINESS MANAGEMENT

Department of MCA
Academic Year 2020-21

Minutes of Meeting

Date: 12/01/2021 Time: 11.00 a.m Venue: MCA, HoD Cabin, PIBM

1	commencement of 1st sem and bridge course
2	Expert session during induction programme
3	Mentor distribution
Agenda Point	<u>Agenda Description</u>
1	MCA HoD Prof. Manish Patankar welcomes all the faculties in the meeting. Sir started with the commencement of 1st sem from 25 th January 2021 and bridge course from 6 th February 2021
2	After that sir focuses on conducting Expert session during induction program.
3	At the end sir asked Prof. Priya for the Mentor-Mentee distribution and circulate amongst everyone.

Minutes Taken by: Prof. Kavita Divekar

Next Meet Proposed Date: 15/02/2021



Department of MCA
Academic Year 2020-21
Minutes of Meeting

Date: 15/02/2021

Time: 11.00 a.m

Venue: Hybrid (online/offline)

1	Marathi bhasha divas celebration
2	Exam form filling demo meeting
3	Sem VI project guide allocation
Agenda Point	<u>Agenda Description</u>
1	MCA HoD Prof. Manish Patankar welcomes all the faculties.
2	Prof. Kavita asked to arrange demo meeting for Exam form filling.
3	Sir asked Prof. Surabhi to distribute equal number of students among all faculty members for project guidance of MCA III sem VI 2019 pattern.

Minutes Taken by: Prof. Kavita Divekar

Next Meet Proposed Date: 15/03/2020



Knowledge is Power

**Kamala Education Society's
PRATIBHA INSTITUTE OF BUSINESS MANAGEMENT**

Department of MCA
Academic Year 2020-21

Minutes of Meeting

Date: 01/03/2021 Time: 11.00 a.m Venue: Hybrid

1	About constitution decision
2	scholarship details
3	Unit Test of current batch
Agenda Point	<u>Agenda Description</u>
1	MCA HoD Prof. Manish Patankar welcomes all the faculties. Sir started with the introduction to constitution subject to everyone. Mutually it is decided that this should be conducted online.
2	Sir requested admin department to brief about scholarship details to newly admitted students. And Prof. Sumit asked to coordinate with Admin dept.
3	Sir asked Prof. Kavita to prepare time table for unit test and asked everyone to prepare question paper about the same.

Minutes Taken by: Dr. Rekha Chouhan

Next Meet Proposed Date: 15/4/2021



Department of MCA
Academic Year 2020-21
Minutes of Meeting

Date: 25/04/2021 Time: 10.00 a.m Venue: Hybrid

1	Review meeting with MCA 1 st Year students.
2	Practical exam planning
3	NPTEL SWAYAM courses.
Agenda Point	<u>Agenda Description</u>
1	MCA HoD Prof. Manish Patankar welcomes all the faculties. Sir started discussion with review meeting with MCA 1 st Year students.
2	After that sir started discussion with Practical exam viva-voce planning and asked to Prof. Kavita and Prof. Priya to coordinate with external examiner and conduct exam in smooth manner.
3	Sir asked to enrol and to follow-up about NPTEL SWAYAM courses

Minutes Taken by: Prof. Kavita Divekar

Next Meet Proposed Date: 15/5/2021



Knowledge is Power

Kamala Education Society's
PRATIBHA INSTITUTE OF BUSINESS MANAGEMENT

Department of MCA
Academic Year 2020-21
Minutes of Meeting

Date: 25/05/2021 Time: 11.00 a.m Venue: MCA, HoD Cabin, PIBM

1	Remedial for MCA-I, MCA-II
2	External Practical Exam Instruction Meeting
3	Final Exam [University]
Agenda Point	<u>Agenda Description</u>
1	MCA HoD Prof. Manish Patankar welcomes all the faculties. Sir started discussion about remedial sessions for MCA-I, MCA-II.
2	After that sir discussed about External Practical Examination Instructions to be communicated to students and sir told that he will instruct them during his sessions.
3	SPPU final exam may be conducted in the month of May/June he added at last.

Minutes Taken by: Prof. Sumit Bagal

Next Meet Proposed Date: 14/6/2021



Department of MCA
Academic Year 2020-21

Minutes of Meeting

Date: 30/06/2021

Time: 3.00 p.m -4.00 p.m

Venue: Online

1	Online Technical session “Laravel “Workshop discussion
2	“ Online Orientation Program” preparation
3	Activity Discussion on “Guru Pornima”
4	NPTEL Course discussion
Agenda Point	<u>Agenda Description</u>
1	The Technical workshop on Laravel was successfully completed today. Teachers were asked to take feedback from students on the same. Likewise activities list was asked to prepare to Surabhi mam for the next semester.
2	Two days Orientation program for research scholar was planned in next month at institute level. All teachers was assigned with duties for the same. And student co-ordinators was asked to select in order to smoothly conduct the activity. Kavita Mam was given the task to revise lecture schedule for those 2 days according to activity and communicated to students
3	Students of MCA-Ist Year has approached to MCA HoD to seek permission on GuruPornima Celebration. Discussion on the same was held in the meeting. And faculty Co-ordinator of first year was asked to monitor the students work on the same. And asked to prepare the report after activity
4	Discussion on Various NPTEL platform technical courses was done in order to select the one for the current semester students for certification. “Python for data science” was finalized and mentor list was asked to prepare for the course

Minutes Taken by: Prof. Priya Mathurkar

Next Meet Proposed Date: 08/08/2021

Teaching Learning Plan

**Pratibha Institute of Business Management
Chinchwad, Pune**

**Department of MCA
Teaching and Lesson Plan**

Name of the Faculty: Prof. Priya Mathurkar

Academic year & Pattern: 2021-22 (MCA-2020 Pat.)

Subject: IT12 – Data Structure and Algorithm

Prerequisites: Loops, Functions, Pointers, Arrays, Memory Allocation, Recursion

Course Objectives

1. To understand basics data structure and algorithms
2. To solve problems using data structures such as linked lists, stacks, queues, hash tables, trees, heaps and graphs
3. To understand various programming techniques such as brute force, greedy, dynamic programming, divide-conquer and backtracking

Course Outcomes

After completion of this course student will able to

CO1: demonstrate linear data structures linked list, stack and queue (apply)

CO2: implement tree, graph, hash table and heap data structures (apply)

CO3: apply brute force and backtracking techniques (apply)

CO4: demonstrate greedy and divide-conquer approaches (apply)

CO5: implement dynamic programming technique (apply)

U N I T No	TOPICS	Pedagogy	Activities	References	Planned Date	Actual Date	Assessment
1	Linked List 1.1 Singly Linked List 1.2 Doubly Linked List	Online teaching on MS teams (virtual class), videos	Group discussion topics, Discussion on various applications, Design a JavaScript program, shared some small exercises to solve	RB 1, RB3, RB4, SL-1, VL-1	2 nd week of February 2021 (3 sessions)	2 nd week of February 2021	Lab Assignment, End Term, Class Test,
2	Stack and Queues 2.1 Linked List implementation of Stack 2.2 Linked List implementation of Queue 2.3 Circular Queue 2.4 Priority Queue	Online teaching on MS teams (virtual class), videos	Group Discussion of application, Presentation, Design a JavaScript program, some small exercises to solve, Trace the o/p activity	RB5, RB3, RB2, SL-4, WL-2,3	3 rd week of February 2021 (4 sessions)	3 rd week of February 2021	Presentation, Class test, End Term, Program design
3	Tree 3.1 Tree 3.2 Binary Search Tree 3.3 AVL Tree 3.4 Red-Black Tree 3.5 Segment Tree - with min/max/sum range queries examples 3.6 Fenwick Tree (Binary Indexed Tree)	Online teaching on MS teams (virtual class), videos	Trace the o/p activity, multiple examples demonstration, exercises to solve	RB2, SL-3, WL-3	1 st week of March 2021 (6 sessions)	1 st week of March 2021	Assignment, Class Test, End term
4	Graph 4.1 Directed and Undirected Graph 4.2 Graph Representations 4.2.1 Adjacency Matrix	Online teaching on MS teams (virtual class),	Presentation, Think & share, Design a JavaScript program	RB-1, SL-2, VL-3, VL-4,	3 rd week of March 2021 (4 sessions)	3 rd week of March 2021)	Presentation, Assignment, Class Test, End term

	4.2.2 Adjacency List 4.3 Graph Traversals 4.3.1 BFS 4.3.2 DFS	videos, visualization tools					
5	Hash Table and Heaps 5.1 Hash Table 5.1.1 Hash Function 5.1.2 Hash function approaches 5.1.3 Handling the collisions 5.2 Heap 5.2.1 Min heap and Max heap	Online teaching on MS teams (virtual class), videos	Assignment, Exercises, Design a JavaScript program	RB-1, RB-3, SL-4, VL-5, WL-3	4 th week of March 2021 (4 sessions)	4 th week of March 2021	Presentation, Mcq test, End term
6	Brute Force 6.1 Linear Search 6.2 Rain Terraces 6.3 Recursive Staircase 6.4 Maximum Subarray 6.5 Travelling Salesman Problem 6.6 Discrete Fourier Transform	Online teaching on MS teams (virtual class), videos, visualiz ation tools	Demonstration with examples on each topic, Solve example while teaching	RB-1, RB-3, SL-7, WL-3	1 st week of April 2021 (5 sessions)	1 st week of April 2021	Assignment, MCQ test, End term
7	Greedy 7.1 Jump Game 7.2 Unbound Knapsack Problem 7.3 Dijkstra Algorithm 7.4 Prim's Algorithm 7.5 Kruskal's Algorithm	Online teaching on MS teams (virtual class), videos,pdfs, visualization tools	Demonstration with examples on each topic, Solve example while teaching	RB-1, RB-3, WL-3	2 nd Week of April 2021 (5 sessions)	2 nd Week of April 2021	Class Test MCQ Test, End term
8	Divide and Conquer 8.1 Binary Search 8.2 Tower of Hanoi 8.3 Pascal's Triangle 8.4 Euclidean Algorithm 8.5 Merge Sort 8.6 Quicksort	Online teaching on MS teams (virtual class), videos, visualization tools	Provide the solution using divide and conquer	RB-1, RB-6, WL-4	3 rd week of April (5 sessions)	3 rd week of April	Assignment, MCQ Test, End term,

	8.7 Fast Powering						
9	Dynamic Programming 9.1 Fibonacci Number 9.2 Unique Paths 9.3 Longest Common Subsequence (LCS) 9.4 Longest Common Substring 9.5 Longest Increasing Subsequence 9.6 Shortest Common Super sequence 9.7 0/1 Knapsack Problem 9.8 Integer Partition 9.9 Regular Expression Matching	Online teaching on MS teams (virtual class), videos	Think & share, Design a JavaScript program	RB-1, RB-6, WL-4	4 th Week of April (5 Sessions)	4 th Week of April	Assignment, MCQ Test, End term,
10	Backtracking 10.1 Power Set 10.2 Hamiltonian Cycle 10.3 N-Queens Problem 10.4 Knight's Tour 10.5 Combination Sum	Online teaching on MS teams (virtual class), videos	Think & share, Design a JavaScript program	RB-1, RB-6, WL-4	1 st week of May 2021	1 st week of May 2021	Assignment, MCQ Test, End term,

Text Books

1. Jean Paul Tremblay, Paul G. Sorensens, "AN Introduction to Data Structures with Application", McGraw Hall Publication (INDIAN edition)
2. V. Aho and J.D. Ullman, "Design and Analysis of Algorithms", Addison Wesley
3. Thomas H Cormen and Charles E.L Leiserson, "Introduction to Algorithm" PHI

Reference Books (RB):

1. Lipschutz Schaum's, "Data Structure", Outline Series, MH
2. D. Samanta, "Classical Data Structure", PHI,
3. Practical Approach to Data Structures by Hanumanthappa.

4. Data Structure and Algorithms in C++ by Joshi Brijendra Kumar
5. Data Structures with C++: Schaum's Outlines by Hubbard JohnBressard,
6. Horowitz/Sahani, Fundamental of Algorithm. PHI, Galgotia.
7. Magnifying Data Structures, Arpita Gopal, PHI Publications

Links for Study material (SL):

8. E:\1priya_march_2020\DS&Algo\DSA_2020Pat\DSA-Content\ Chapter 1
9. E:\1priya_march_2020\DS&Algo\DSA_2020Pat\DSA-Content\ Chapter 2
- 10.E:\1priya_march_2020\DS&Algo\DSA_2020Pat\DSA-Content\ Chapter 3
- 11.E:\1priya_march_2020\DS&Algo\DSA_2020Pat\DSA-Content\ Chapter 4
- 12.E:\1priya_march_2020\DS&Algo\DSA_2020Pat\DSA-Content\ Chapter 5
- 13.E:\1priya_march_2020\DS&Algo\DSA_2020Pat\DSA-Content\ Chapter 6
- 14.E:\1priya_march_2020\DS&Algo\DSA_2020Pat\DSA-Content\ Chapter 7
- 15.E:\1priya_march_2020\DS&Algo\DSA_2020Pat\DSA-Content\ Chapter 8

Visualization Tool available on

1. <https://visualgo.net/bn/sorting/>
2. <https://www.hackerearth.com/practice/algorithms/sorting/merge-sort/visualize/>

Web Links [WL]:

1. <http://www.cse.iitd.ernet.in/~ssen/csl356/notes/root.pdf>
2. <https://www.tutorialspoint.com> > data_structures_algorithms
3. <https://www.geeksforgeeks.org>
4. <https://www.freecodecamp.org>
5. <https://www.javatpoint.com/data-structure-algorithm>

Links for Video Lecture: (VL)

1. <https://freevideolectures.com/course/2279/data-structures-and-algorithms>
2. <https://nptel.ac.in/courses/106/102/106102064/>
3. freeCodeCamp.org (you tube channel)
4. <https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-046j-introduction-to-algorithms-sma-5503-fall-2005/video-lectures/>

Program Objectives (PO)
PO1 - Apply knowledge of computing fundamentals, computing specialization, mathematics, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.
PO2 - Identify, formulate, research literature, and solve complex Computing problems reaching substantiated conclusions using fundamental principles of Mathematics, Computing sciences, and relevant domain disciplines
PO3 - Design and evaluate solutions for complex computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.
PO4 - Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusions.
PO5 - Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations.
PO6: Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practice.
PO7 - Recognize the need, and have the ability, to engage in independent learning for continual development as a Computing professional.
PO8 - Demonstrate knowledge and understanding of computing and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO9 - Communicate effectively with the computing community, and with society at large, about complex computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.

PO10 - Understand and assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice.

PO11 - Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments.

PO12 - Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	3	3	3	1	1	2	2	1	1	1
CO2	3	3	3	3	3	1	1	2	2	1	1	1
CO3	3	3	3	3	3	1	1	2	2	1	1	1
CO4	3	3	3	3	3	1	1	2	2	1	1	1
CO5	3	3	3	3	3	1	1	2	2	1	1	1

- 1- Weak Correlation
- 2- Moderate Correlation
- 3- Strong Correlation


Sign of the HoD

