Academic Expert Feedback Analysis on Curriculum for Academic Year 2019-2020

Academic Expert Detail

Sr. No.	Name	Name of Organization	Designation	Contact No
1.	Dr. Amisha Shingala	SVIT,Vasad	Assistant Professor	9723612709
2.	Dr.Minal Patel	ADIT,VVNagar	Assistant Professor	9998574188
3.	Maxwell Christian	GLS, Ahmedabad	Assistant Professor	9879107371
4.	Shital .H. Bhojani	Anand Agriculture University,Anand	Assistant Professor	9228866910
5.	Dr.Hardik Pandit	G.H.Patel,VVNagar	Assistant Professor	9426561926

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According to Expert below listed points are the best part of Syllabus:

- The syllabus covers latest areas.
- Introduction of Data Science is very relevant
- Frameworks are covered.
- Syllabus is based on Industry requirements
- Elective courses offered are good.

According to Expert below listed subject need more focus:

- Core subjects should be given importance.
- Emphasize on software engineering courses.

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Programme Wise Feedback Analysis

Academic Experts Feedback on B.Sc.(IT) Curriculum

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Academic Experts Feedback on M.Sc.(IT) Curriculum

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Alumni Feedback Analysis on Curriculum for Academic Year 2019-2020

Alumni Detail

Sr. No.	Name	Name of Organization	Designation	Contact No
1.	Jagdish Chaudhary	1Rivet Solutions, Navsari, Gujarat	Senior Associate (UI/UX Developer)	9898488495
2.	Hardik R Patel	IBM Canada	iOS Developer	+19024125444
3.	Trisha Patel	Ballistiq Canada	Web Developer	+3065803640
4.	Karan Patel	System Level Solution, Anand	Sr. Software Developer	8866887448
5.	Dhruvil Upadhyaya	Lodestone, Ahmedabad	QA - Group Leader	9909518741
6.	Jijo Nair	Gravitas, Mumbai	Senior Engineer	9724571017
7.	Preet Soni	TEDxMonashUniversity, Melbourne, Victoria, Australia	Lead Designer	8401130434
8.	Harshil Trivedi	Lodestone, Ahmedabad	Software Tester, QA	8347813874
9.	Ruchi Kansara	Integrella, Ahmedabad,	Senior Consultant	9974787263
10.	Dhruvit Darji	Helios Solutions, Vadodara	Team Lead	9428151822
11.	Rajat Mishra	Sizzech Consultancy	Jr. iOS Developer	7383187860
12.	Apexa Bhatt	INFOSTRETCH	Sr. Software engineer	9228482408
13.	Hiren Tailor	Innowera, Navsari	Sr. SharePoint developer	9033188747
14.	Hirenkumar Sohaliya	Acty system india Pvt Ltd	vb.net Developer	9638382688
15.	Kavin Shah	Etech and Infosys Technologies Limited	Sr. Software Developer	9725082555

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16.	Smit Shah	Tata Consultancy Services	Business Intelligence Consultant	9429479064
17.	Chirag Patel	Innovate Tax, Vadodara	Technical Consultant	9825626845
18.	Yatendrasinh Joddha	Tata Consultancy Services	Information Technology Analyst	9825861871
19.	Vyom Amin	Dhyey Technologies	Director	9998823668
20.	Jaimin Patel	SDI Technologies	Software quality assurance	9662791881

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According to Alumni below listed points are the best part of Syllabus:

- Object oriented programming is very important
- System analysis and design is very important
- Mathematical and Statistical courses are very good
- Python is very helpful as it provides very good libraries.
- Advance java is very helpful.
- Every course is covered in good depth.
- Web Designing is important.
- Mobile Application development is very useful.
- Database course is very useful.
- All the courses offer very good coverage of concepts.

According to Alumni below listed subject need more focus:

- Frameworks of php in syllabus
- Software Engineering and Software Quality Assurance.
- Mobile Application Development using cross platform and multiple OS.
- Network related subject should be covered in more detail.
- PI and javascript, css, advanced framework.
- Dot Net, Java and php
- PHP
- ASP.NET – VP
- Focus on Communication skills development
- Networking.

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Programme Wise Feedback Analysis

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Employers Feedback Analysis on Curriculum for Academic Year 2019-2020

Employers Detail

Sr. No.	Name	Name of Organization	Designation	Contact No
1.	Yash Parikh	Helios Solutions	Senior Software Engineer	8780415854
2.	Devanshi D. Desai	Arth I - Soft	Game Developer	9662642349
3.	Dhruvil Upadhyay	Loadstone	QA-Group Leader	9909518741
4.	Kandarp Pathak	Castleton Pvt. Ltd.	Sr. software developer	9727246545
5.	Vishal Ashtaputre	Capgemini America Inc	Solution Architect	5203324668

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According to Expert below listed points are the best part of Syllabus:

- Programming languages
- Testing
- Frameworks
- UI designing

According to Expert below listed subject need more focus:

- Aptitude preparation for pre final semester students.
- Basic fundamental concepts should be covered in more detail.

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Industry Expert Feedback Analysis on Syllabus of Academic Year 2019-2020

Industry Expert Detail

Sr. No.	Name	Name of Organization	Designation	Contact No
1.	Ms. Neha Topiwala	Casepoint Pvt. Ltd.	Training Coordinator	9426920920
2.	Yash Parikh	Helios Solutions	Team Lead	8780415854
3.	Rohan Patel	Castleton Pvt. Ltd.	Team Lead	9904181500
4.	Dhavat Shah	Youngwold Infotech	Director	9824646279
5.	Kilon Mehta	Apex Software	Director	9879105930

According to Expert below listed points are the best part of Syllabus:

- Core subjects are covered in good depth.
- Content is as per growing industry standards.
- Latest technologies are included in syllabus.
- Mobile Application development and Open Source Frameworks
- Web Designing concept, Enterprise Computing
- Last Semester project and open source technology subjects
- Syllabus meets fundamental requirements of industry
- JavaScript Frameworks are covered so it creates good job opportunity for students
- Overall good syllabus as Programming, Database, User Interface Designing and Testing is covered.

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According to Expert below listed subject need more focus:

- Open Source Technology
- Mobile Application Development
- Open source framework, UI/UX designing
- Cloud computing with real time applications, Advanced Database Technology
- Web Technologies
- Core Java with OOPS concepts and PHP
- Core subjects like C, C++ and Data Structures
- .net technologies, Web Designing
- Responsive layouts.
- Object Oriented Software Engineering, Visual Programming

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Suggestions Given by Experts:

- Have focus on core subjects.
- Aptitude preparation for pre final semester students.
- Practical assignments should cover more real world problems.
- Mobile application architecture application and cross platform application development should be included as a part of syllabus
- The syllabus should accommodate all current IT job requirement. So that the weightage of all categories like Designing, programming and testing must be equal.
- More advanced designing technologies like Node JS, Angular JS , react can be included in syllabus.
- Fundamental subject must be taught in detail and try to integrate it with the real life problem. So, broadly student will get vision for solving that problem.
- Basic fundamental concepts should be covered in more detail
- Include building of responsive sites.

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Industry Experts Feedback on B.Sc.(IT) Curriculum

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Student Feedback Analysis on Syllabus (April – 2020)

Programme Wise Feedback Analysis

BCA(Batch 2017-2020)

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M.Sc.(IT) (Batch 2018-2020)

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MCA Lateral (Batch 2018-2020)

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Student Feedback Analysis on Syllabus (April – 2020)

B.Sc.(IT)(Batch 2017-2020)

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According to Expert below listed points are the best part of Syllabus:

- Core Subjects
- Web designing
- Advance Java
- Mobile Application Development

According to Expert below listed subject need more focus:

- Cover triggers in details in Database course
- Cover Cryptography topic in depth in accordance with Network Security

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Programme Wise Feedback Analysis

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Analysis of Feedback on the syllabus for the academic year 2019-2020 given by Stakeholders

Sr. No.	Stakeholder	Feedback Regarding Curriculum	Action Taken
1	Expert from Industry	Aptitude preparation for pre final semester students	Allow 30 minutes of preparation during lab hours. Arrange extra lectures and workshop for preparation. Refer Annexure I for Departmental meetings.
		Challenging assignments should be given	Assignments are designed carefully and students are motivated to take NPTEL courses and solve their assignments. Refer Annexure II for NPTEL courses.
2	Employers	• Focus on core courses	All the programmes cover in detail core courses.
3.	Academic Peers	Focus on courses where research component is focused	The syllabus includes courses like Artificial Intelligence, Data Science, Embedded Programming, Data Mining and Analytics, Python programming, etc. and few final semester students pursue projects on research based areas. Refer Annexure III for Teaching and Learning Scheme.
4	Faculty members	No Suggestions	
5	Alumni	Include addition of latest topics wherever applicable in the courses	Topics other than syllabus are covered through workshop and expert lectures. Refer Annexure I for Departmental meetings.
6	Final semester students	Introduction of more frameworks should be given.	We will arrange workshops and practical hands-on for extra topics. Refer Annexure I for Departmental meetings.

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Annexure I

Departmental meeting minutes

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MINUTES OF THE THIRTEEN MEETING (13 of 2019) OF DEPARTMENT

The faculty meeting of CMPICA was held on 27th July,2019 at 2:10 PM (Board Room). The meeting was conducted by Dr. Atul Patel and following people attended the meeting:

1. Dr. Dharmendra Patel
2. Dr. Nirali Honest
3. Dr. Sanskruti Patel
4. Dr. Chirag Patel
5. Mr. Nilay Ganatra
6. Ms. Rachana Patel
7. Mr. Arpit Trivedi
8. Ms. Shreya Banker.
9. Ms. Mubina Malik
10. Mr. Kanubhai Patel
11. Ms. Dhatri Raval
12. Ms. Hetal Patel
13. Mr. Tushar Mehta
14. Mr. Hardik I.Patel
15. Ms. Rupal Patel
16. Ms. Pooja Parekh
17. Mr. Krishna kant
18. Dr. Nilay Vaidya
19. Ms. Mittal Desai
20. Mr. Dip Patel
21. Ms. Rajvi Yadav
22. Mr. Bhargav Vyas
23. Mr. Parthiv Patel

Item #1: Discussion on NAAC criteria points: Atul sir discussed about the previous NAAC points, current expected points in each criteria and the criteria on which improvement is needed. In the next cycle of NAAC visit at least we need to maintain previous point that is 3.11.

- Criteria I: There is no action plan is needed because it is managing by the management. Faculty have to understand PoS and CoS and also discuss the same with the students. Mapping of PoS and Cos is required in each subject.
- Some of the points were discussed by the faculty such as Extra value added skills, Institutional entrepreneur development workshops for students, Students internal competition – Hackthon, 2nd and 4th Saturday can utilize for the internal course competitions to enhance the skills in students.
- Criteria II: Some of the points were discussed in which action plan is needed.
    - Slow and Fast learner:
    - Swayam and NPTEL registration for faculty as well as students.
    - Internal and External exam will be paperless for the 1st semester students.
    - Online student's satisfaction survey can be taken
- Criteria III: Major action plan is needed in criteria III where faculties are involved. Below is the list on which faculty have to focus for research and consultancy.
    - Number of publication: faculty have to publish at least two paper in a year
    - Consultancy services
    - Project Funded : faculty members have to try for major and minor project
    - Recognition.

Item#2: For pre-final semester students, allow aptitude and technical preparation session for last 30 minutes of laboratory hours. Arrange extra classes after working hours to prepare students for core and fundamental concepts.

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MINUTES OF THE TWENTIETH MEETING (20 of 2019) OF DEPARTMENT

The faculty meeting of CMPICA was held on 20th December,2019 at 3:45 PM (Board Room). The meeting was conducted by Dr. Atul Patel and following people attended the meeting:

1. Dr. Sanskruti Patel
2. Dr. Pranav Vyas
3. Dr. Jaimin Undavia
4. Dr. Chirag Patel
5. Mr. Nilay Ganatra
6. Ms. Swati Patel
7. Ms. Rachana Patel
8. Mr. Arpit Trivedi
9. Ms. Mubina Malik
10. Mr. Kanubhai Patel
11. Ms. Dhatri Raval
12. Ms. Hetal Patel
13. Ms. Nilam Desai
14. Mr. Tushar Mehta
15. Mr. Hardik I.Patel
16. Ms. Pooja Parekh
17. Mr. Krishna kant
18. Dr. Nilay Vaidya
19. Ms. Mittal Desai
20. Mr. Dip Patel
21. Ms. Rajvi Yadav
22. Mr. Bhargav Vyas
23. Mr. Parthiv Patel

Item #1: Regarding the registration for Ignite & Agnitio events: Total registration in Agnitio 2020 is 1012 (686 – on hand + 326 – Expected). Total registration in Ignite 2020 is 377 (364 – Internal + 13 – External). In order to make events successful atul sir instruct faculties to give their effort for ignite registration.

Item#2: Atul sir shared CMPICA awarded for "Best Private Institute in Gujarat for Industry Interface 2019" by the Centre for Education Growth and Research (CEGR), New Delhi, and congratulate all for the same.

Item #3: Two projects of MCAL & B.Sc. (IT) students have been selected for final presentation at 9th Project Innovation Contest 2020 - a satellite event of the International Conference on Distributed Computing and Internet Technologies (ICDCIT) at Kalinga Institute of Industrial Technology(KIIT), Bhubaneswar, Odisha, India.

Item #4: During the semester following workshops are arranged,

- Expert Session on "Fundamentals of Spring Framework" was conducted on 25-09-2019 by Siddharth Shah, Asst.Professor, ADIT Campus, New VV Nagar.
- Workshop on "Designing Responsive Web Layouts" was conducted from 27-09-2019 to 28-09-2019 by Mr. Jagdish Chaudhary, Senior Associate (UI/UX Developer), 1Rivet Solutions, Navsari , Mr. Yash Parikh, Sr. software engineer, Helios Solutions, Vadodara.
- Expert Session on "Multi-threading Programming in Java" was conducted on 30-09-2019 by Dr. Narayan Joshi, DDIT Campus, College Road Nadiad.
- Expert Session on "Web Application Development using Laravel" was conducted on 05-03-2020 by Ms. Krupali V. Desai, Software Engineer (Php/Laravel Developer), MBARC Labs Inc., Operating from Okhlahoma, USA.
- Expert Session on Career Counselling was conducted on 26-07-2019 by Mr. Divyang Purohit, TPO, CHARUSAT.

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Annexure II

NPTEL Courses

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A note on organized plan/s to cater the contents beyond the scope of Syllabus

To bridge the gap between syllabus & recent trends in the courses following activities are planned:

Swayam- NPTEL Local Chapter

SWAYAM - NPTEL LOCAL CHAPTER

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NO IMAGE AVAILABLE

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KHEDA
Url: http://charusat.edu.in/

SPOC Name - NILAY PRAVINCHANDRA GANATRA

Designation - ASSISTANT PROFESSOR,FACULTY OF COMPUTER SCIENCE AND APPLICATIONS

Partnering since - Jul-2019

College Id - 2971 **Institute Type** - INSTITUTE OF TECHNOLOGY AND SCIENCE

NPTEL is very happy to be associated with *SMT. CHANDABEN MOHANBHAI PATEL INSTITUTE OF COMPUTER APPLICATIONS* institute and its students.We are thankful to *NILAY PRAVINCHANDRA GANATRA* for being a pillar of support in NPTEL initiatives.

Course Run	Present	Gold	Elite	Silver	Successful	Participation	Topper	NPTEL Stars
Jul-Dec 2019	101	1	47	26	5	22	1	-

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Spoc Details | Course Wise | Toppers Details

Course Wise

S.no	Course Name	Present	Gold	Elite	Silver	Success	Participation
1	Programming in C++	3	0	0	1	0	2
2	Introduction to Programming in C	2	0	0	1	0	1
3	Data Base Management System	9	0	7	0	1	1
4	Python for Data Science	3	0	1	0	2	0
5	Cloud Computing	1	0	1	0	0	0
6	Ethical Hacking	1	0	0	1	0	0
7	Programming In Java	82	1	38	23	2	18

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Annexure III

Teaching and Learning Scheme MCA and M.Sc.IT

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TEACHING SCHEME
FOR

MCA PROGRAMME
(1ST & 2ND YEAR)

EFFECTIVE FROM
ACADEMIC YEAR 2019-20

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Teaching and Examination Scheme (MCA Programme)
Effective from Year 2019-20
Semester-I

Course Code	Course Title	Teaching Scheme				Examination Scheme						
		Contact Hours			Credit	Theory			Practical			Total
		Theory	Pract	Total		Internal		External	Internal		External	
						Case Study	Tests		Term work	Tests		
CA843	Enterprise Computing using Java EE	3	3	6	6	10	20	70	15	15	70	200
CA844	Visual Programming	3	3	6	6	10	20	70	15	15	70	200
CA845	Advanced Database Technologies	3	3	6	6	10	20	70	15	15	70	200
CA846	Software Engineering Paradigms	3	-	3	3	10	20	70	-	-	-	100
CA847-CA850	Elective-I	3	-	3	3	10	20	70	-	-	-	100
HS703.01C	Languages (French)	-	2	2	2	-		-	30		70	100
HS704 C	Academic Speaking	-	2	2	2	-		-	30		70	100
	University Elective-I **	-	2	2	2	-	-	-	30		70	100
		15	13	28	28	500			500			1000

** Student will take any university elective offered by different institutions of university. CMPICA has decided to offer **CA730 Internet and Web Designing** course for others.

Elective-I

1. CA847 Cloud Computing
2. CA848 Cyber Security and Computer Forensics
3. CA849 Internetworking with TCP/IP Protocol Suite
4. CA850 Advanced Operating Systems

University Elective-I

No	Course Code	Course Name	Department/Faculty
1	MA771.01	Reliability and Risk Analysis	Mathematics
2	EE781.01	Optimization Techniques	Engineering
3	ME781.01	Occupational Health & Safety	Engineering
4	CE772.01	Research Methodology	Engineering
5	PT795.01	Health & Physical Activity	Physiotherapy
6	NR755	First Aid & Life Support	Nursing
7	RD701.01	Introduction to Analytical Techniques	Applied Science
8	RD702.01	Introduction to Nanoscience and Technology	Applied Science
9	MB650	Creative Leadership	Management
10	PH891	Community Pharmacy Ownership	Pharmacy
11	PD261	Astrophysics, Space and Cosmos-I	Applied Science

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Teaching and Examination Scheme (MCA Programme)
Effective from Year 2019-20
Semester-II

Course Code	Course Title	Teaching Scheme				Examination Scheme						
		Contact Hours			Credit	Theory			Practical			Total
		Theory	Pract	Total		Internal		External	Internal		External	
						Case Study	Tests		Term work	Tests		
CA851	Web Application Development using Open Source Technology	3	3	6	6	10	20	70	15	15	70	200
CA852	Software Quality Assurance	3	3	6	6	10	20	70	15	15	70	200
CA853	Responsive Web Designing Using Framework	-	2	2	2	-	-	-	15	15	70	100
CA854-CA855	**Elective II**	3	3	6	6	10	20	70	15	15	70	200
CA856-CA858	**Elective-III**	3	3	6	6	10	20	70	15	15	70	200
HS705 C	Academic Writing	-	2	2	2	-	-	-	30		70	100
	University Elective-II **	-	2	2	2	-	-	-	30		70	100
		12	18	30	30	400			700			1100

** Student will take any university elective offered by different institutions of university. CMPICA has decided to offer **CA842 Mobile Application Development** course for others.

Elective-II

1. CA854 Mobile Application Technology – Android Platform
2. CA855 Mobile Application Development-iOS Platform

Elective-III

1. CA856 HTTP Web Service for Enterprise Application
2. CA857 Framework and Applications
3. CA858 Multi Paradigm Scripting using Python

University Elective-II

No	Course Code	Course Name	Department/Faculty
1	EE782.01	Energy Audit and Management	Engineering
2	CE771.01	Project Management	Engineering
3	PT796.01	Fitness & Nutrition	Physiotherapy
4	NR752.01	Epidemiology and Community Health	Nursing
5	OC733.01	Introduction to Polymer Science	Applied Science
6	MB651	Software based Statistical Analysis	Management
7	PH892	Intellectual Property Rights	Pharmacy
8	MA772.01	Design of Experiments	Mathematics
9	PD262	Astrophysics, Space and Cosmos-2	Applied Science

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Teaching and Examination Scheme (MCA Programme)
Effective from Year 2019-20
Semester-III

Course Code	Course Title	Teaching Scheme				Examination Scheme						
		Contact Hours			Credit	Theory			Practical			Total
		Theory	Pract	Total		Internal		External	Internal		External	
						Case Study	Tests		Term work	Tests		
CA926	Open Source Frameworks	3	3	6	6	10	20	70	15	15	70	200
CA927	Data Analytics	3	3	6	6	10	20	70	15	15	70	200
CA928-CA931	Elective-IV	3	-	3	3	10	20	70	-	-	-	100
CA932	Mini Project	-	15	15	15	-	-	-	100		200	300
		9	21	30	30	300			500			800

Elective-IV

1. CA928 Artificial Intelligence
2. CA929 Digital Image Processing
3. CA930 Compiler Construction
4. CA931 Analysis and Design of Algorithms

Teaching and Examination Scheme (MCA Programme)
Effective from Year 2019-20

Semester-IV

Course Code	Course Title	Teaching Scheme				Internal	End Semester Examination		Total
		Contact Hours			Credit	Continuous Evaluation	Report	Presentation & Viva	
		Inst.	Industry	Total					
CA933	Project Work	2	28	30	30	200	200	400	800

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TEACHING SCHEME

FOR

M.Sc. (IT) PROGRAMME

EFFECTIVE FROM
ACADEMIC YEAR 2019-20

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SEMESTER-I

Course Code	Course Title	Teaching Scheme				Examination Scheme						
		Contact Hours			Credit	Theory			Practical			Total
		Theory	Pract	Total		Internal		External	Internal		External	
						Case Study	Tests		Term work	Tests		
MS114	Software Engineering Paradigms	3	-	3	3	10	20	70	-	-	-	100
MS115	Framework And Application using .NET	3	3	6	6	10	20	70	15	15	70	200
MS116	Multi Paradigm Scripting using Python - I	3	3	6	6	10	20	70	15	15	70	200
MS117	Database Technologies	3	3	6	6	10	20	70	15	15	70	200
MS118-MS119	**Elective-I**	3	-	3	3	10	20	70	-	-	-	100
HS703.01 C HS704 C	Languages (French) Academic Speaking	-	2	2	2	-	-	-	30		70	100
	University Elective-I **	-	2	2	2	-	-	-	30		70	100
		15	13	28	28	500			500			1000

** Student will take any university elective offered by different institutions of university. CMPICA has decided to offer **CA730 Internet and Web Designing** course for others.

Elective-I

1. MS118 Fundamentals of Computer Networks
2. MS119 Operating System Concepts

University Elective-I

No	Course Code	Course Name	Department/Faculty
1	MA771.01	Reliability and Risk Analysis	Mathematics
2	EE781.01	Optimization Techniques	Engineering
3	ME781.01	Occupational Health & Safety	Engineering
4	CE772.01	Research Methodology	Engineering
5	PT795.01	Health & Physical Activity	Physiotherapy
6	NR755	First Aid & Life Support	Nursing
7	RD701.01	Introduction to Analytical Techniques	Applied Science
8	RD702.01	Introduction to Nanoscience and Technology	Applied Science
9	MB650	Creative Leadership	Management
10	PH891	Community Pharmacy Ownership	Pharmacy
11	PD261	Astrophysics, Space and Cosmos-I	Applied Science

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SEMESTER-II

Course Code	Course Title	Teaching Scheme				Examination Scheme						
		Contact Hours			Credit	Theory			Practical			Total
		Theory	Pract	Total		Internal		External	Internal		External	
						Case Study	Tests		Term work	Tests		
MS217	Web Development using Open Source Technology	3	3	6	6	10	20	70	15	15	70	200
MS218	Software Testing	3	3	6	6	10	20	70	15	15	70	200
MS219	Object Oriented Programming using Java	3	3	6	6	10	20	70	15	15	70	200
MS220-MS222	**Elective II**	3	3	6	6	10	20	70	15	15	70	200
HS705 C	Academic Writing	-	2	2	2	-	-	-	30		70	100
	University Elective-II **	-	2	2	2	-	-	-	30		70	100
		12	16	28	28	400			600			1000

** Student will take any university elective offered by different institutions of university. CMPICA has decided to offer **CA842 Mobile Application Development** course for others.

Elective-II

1. MS220 HTTP Web Service for Enterprise Application
2. MS221 Multi Paradigm Scripting using Python - II
3. MS222 Game Development - I

University Elective-II

No	Course Code	Course Name	Department/Faculty
1	EE782.01	Energy Audit and Management	Engineering
2	CE771.01	Project Management	Engineering
3	PT796.01	Fitness & Nutrition	Physiotherapy
4	NR752.01	Epidemiology and Community Health	Nursing
5	OC733.01	Introduction to Polymer Science	Applied Science
6	MB651	Software based Statistical Analysis	Management
7	PH892	Intellectual Property Rights	Pharmacy
8	MA772.01	Design of Experiments	Mathematics
9	PD262	Astrophysics, Space and Cosmos-2	Applied Science

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SEMESTER-III

Course Code	Course Title	Teaching Scheme				Examination Scheme						
		Contact Hours			Credit	Theory			Practical			Total
		Theory	Pract	Total		Internal		External	Internal		External	
						Case Study	Tests		Term work	Tests		
MS320	Open Source Frameworks	3	3	6	6	10	20	70	15	15	70	200
MS321	Advanced Java	3	3	6	6	10	20	70	15	15	70	200
MS322	JavaScript Frameworks	-	3	3	3	-	-	-	15	15	70	100
MS323	Mobile Application technology	3	3	6	6	10	20	70	15	15	70	200
MS324-MS327	**Elective-III**	3	3	6	6	10	20	70	15	15	70	200
CL142 A.01	Environmental Sciences	-	2	2	2	-		-	30		70	100
		12	17	29	29	400			600			1000

Elective-III

1. MS324 Game Development-II
2. MS325 Data Analytics
3. MS326 Ruby on rails
4. MS327 Internetworking with TCP/IP

Teaching and Examination Scheme (M.Sc(IT) Programme)

SEMESTER-IV

Course Code	Course Title	Teaching Scheme				Internal	End Semester Examination		Total
		Contact Hours			Credit	Continuous Evaluation	Report	Presentation & Viva	
		Inst.	Industry	Total					
MS402	Dissertation/Project Work	2	28	30	30	200	200	400	800

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