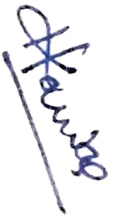


Percentage of Revision of B.C.A

Syllabus Revised for - 2020

B.C.A

S.No	Course Code	Course Title	Change Details	% of Changes	Content Deleted	Content Updated	Reason for Change
	Semester I						
1	20UBC102	Fundamentals of Digital computer	Digital Computer Fundamentals	5%	No	Yes – Entire Syllabus is updated	As suggested by Academic Auditor

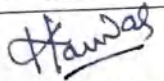

BOS Chairman

Chairman - Head of the Department
Board of Studies
UG Department of Computer Applications
Nallamothu Gounder Mahalingam College (Autonomous)
Pollachi - 642 001, Tamilnadu.

Syllabus Revised for -2019

B.C.A

S.No	Course Code	Course Title	Change Details	% of Changes	Content Deleted	Content Updated	Reason for Change
	III semester						
1	19UBC308	Shell programming in Operating System	Title changed to Operating system	5%	No	No	As suggested by Academic Auditor
2	19UBC309	Data structures and Algorithms	Organization Behaviors	100%	yes	Yes, Entire syllabus is updated	As suggested by University Nominee
3	19UBC311	Shell programming in operating system Lab	Lab	100%	Yes	Yes, List of programs is updated	As suggested by Academic Auditor
	IV semester						
4	19UBC413	Frame Work Technology	Web Development	100%	Yes	Yes, Entire syllabus is updated	As suggested by Subject Expert
5	19UBC414	Introduction to web development	Computer System Architecture	100%	Yes	Yes, Entire syllabus is updated	As suggested by Subject Expert
6	19UBC416	Frame work Technology Lab	Web Development Lab	100%	Yes	Yes, List of programs is updated	As suggested by Academic Auditor
7	19UBC417	Web Designing Lab	PHP Programming Lab	100%	Yes	Yes, List of programs is updated	As suggested by Alumni
8	19UBC418	PHP Programming Lab	Scripting & HTML	100%	Yes	Yes, List of programs is updated	As suggested by Alumni
9	19UBC4A4		Newly introduced	100%	yes	Yes, Entire syllabus is created	As suggested by Alumni


Chairman - Head of the Department
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Syllabus Revised for - 2018

B.C.A							
S.No	Course Code	Course Title	Change Details	% of Changes	Content Deleted	Content Updated	Reason for Change
	Semester V						
1	18UBC519	Framework technology	OOPS with Java Programming	100%	No	Yes, Entire syllabus is created	As suggested by Academic Auditor
2	18UBC521	Networks	Unit II,III,IV,V	80%	U-II Data link Layer: Design Issues- Framing U-IV Transport Layer: The Transport Service – Services Provided to the Upper Layers- Quality of Service – Transport Service Primitives. Transport Layer: The Transport Service – Services Provided to the Upper Layers- Quality of Service – Transport Service Primitives. U-V User Agent (Sending and Receiving E-mail)- Message Formats- MIME- Message Transfer – SMTP – E-mail Gateways.WWW: Client side- Server side- <i>HTTP</i> .	U-II Physical Layer - Guided Transmission Media: Magnetic Media – Twisted Pair – Coaxial Cable – Fiber Optics. Wireless Transmission : Electromagnetic Spectrum – Radio Transmission – Microwave Transmission – Infrared and Millimeter Waves – Light Waves. Communication Satellites : Geostationary, Medium-Earth Orbit, Low Earth-orbit Satellites – Satellites versus Fiber. U-V Application Layer : DNS – E-mail, NETWORK SECURITY; Cryptography –Symmetric Key Algorithms – Public Key Algorithms – <i>Digital Signatures</i> .	As suggested by University Nominee
3	18UBC522	Organization Behaviors	Current trends in Information technology	100%	Yes	Yes	As suggested by Academic Auditor
4	18UBC523	Framework technology Lab	Java Lab	100%	Yes	yes	As suggested by Subject Expert
	Semester VI						
5	18UBC626	Data mining	Unit I,II,V	60%	U-I Information as a Production Factor- Data Mining Vs Query Tools-Data Mining in Marketing-- Learning, Self-Learning, Computer Systems, Machine Learning and Methodologies of	U-I Kinds of Data- Kinds of Patterns - Technologies used – Major Issues in Data mining – Data mining Trends – Data objects & Attribute types – Data visualization. U-II Data Preprocessing: Data	As suggested by Subject Expert

					Science- Concept Learning-Issues of Learning Algorithm. U-II Data Mining and Data Warehousing: Data Warehouse-Need-Designing Decision Support Systems-Integration with Data Mining-Client Server and Data Warehousing- Multiprocessing Machines- Cost Justification. U-V Some Formal aspects of Learning: Learning of Comprehension of Data Sets-Contents of a Message-Noise and Redundancy-Significance of Noise-Fuzzy Database-Traditional Theory of Relational Database from Relations of Tables- From Keys of Statistical Dependencies-Demoralization- <i>Data Mining Primitives</i>.	cleaning: Missing values, Noisy data, Data cleaning as a process-Data Integration: Entity Identification problem, Redundancy and correlation analysis, Tuple Duplication, Data value conflict detection & resolution – Overview of Data reduction strategies – Data transformation strategies overview. U-V Data warehousing: Basic concepts – Modeling – Design and usage – Data warehouse Implementation – Data generalized by Attribute – Oriented Induction.	
6	18UBC628	Current trends in Information Technologies	Mobile Application	100%	Yes	Yes	As suggested by Academic Auditor
7	18UBC630	Lab	Lab	100%	Yes	Yes	As suggested by Alumni
8	18UBC684	Software Industry Development	Unit I,II,III,IV,V	100%	Yes	Entire Syllabus is Changed	As suggested by Academic Auditor
9	18UBC6S5	Multimedia& Animation	Unit III,IV,V		U-III Audio: Acoustics — Decibel – Audio mixer – Digital audio– Synthesiser – What is MIDI – Sound card. Audio transmission: Digital Data Storage. Audio File Formats: WMA, Real Audio. Software Audio Players: Window Media players, Real players, i-tunes. Audio Recording System: Dolby digital – Dolby stereo – Dolby prologic – Dolby prologic II – Dolby surround. DTS Audio and MM – <i>Audio processing software</i>. U-IV Video: Digital video – Standards – PC video – Video editing – Video editing software. Video format – Real video, DIVX.	U-III Audio: Musical Note and Pitch –Elements of Audio systems. MIDI manufacturers Association (MMA)-MDI Specification-MIDI MESSAGES-<i>MIDI Connections</i>. U-V Animation Software.	

					U-V Special effects Rendering Algorithms – 3D Animation - Introduction forms of virtual reality – VR Applications – s/w requirements – Peripheral – Devices – VRML.		
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Bos Chairman

Chairman - Head of the Department

Board of Studies

UG Department of Computer Applications

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Pollachi - 642 001, Tamilnadu.