



A.D.M. COLLEGE FOR WOMEN

(Autonomous)

Affiliated to Bharathidasan University

(Nationally Accredited with "A" Grade by NAAC – 3rd Cycle)

NAGAPATTINAM 611 001.



NEW COURSES INTRODUCED

2021-2022



DEPARTMENT	SUBJECT CODE	CORE COURSE / ALLIED/MBE/ SKILL BASED PAPER	TITLE OF THE PAPER	JUSTIFICATION
History	HUA2	Allied Course II	AC II – Modern Governments II	Introduced with the aim of teaching practical knowledge on different constitutions and Governments
	HUH	Core Course VIII	History of Europe from 1453 CE – 1789CE	To highlight the capture of Constantinople and geographical discoveries.
	HUS2	Skill Based Elective II	Tour Operator and Front Office Management	To train the Students to become Tourist guide , Tour Operator and Receptionist.
	VH2	Value Added Course	Introduction To Civil Service	To enable the Students for appearing Competitive Examinations .
Economics	EUN	CC- Core Course – XIV	Tourism Economics	To learn the students the importance of Tourism in Modern times.
	EUH	CC - Core Course VIII	Energy	To enable the students to

			Economics	understand the classification and importance of Energy Resources.
	PGEE4	Elective Course	Economics of Infrastructure	To learn the role of infrastructure in Economic Development
		Extra credit Course	Economic of Insurance	To enable the students to understand the life insurance and health insurance
		Extra credit Course	Women Empowerment-1	To understand the various government schemes and institutional support to promote women empowerment
Commerce	CUE1	NME I	Elements of Insurance	In tune with Government Policy of insurance for all, a paper on Elements of Insurance is offered to students of other major. This paper throws an insight on various types of Agents and Regulations of an Agent. This paper will create employable skill as

				insurance agents and other functionalities.
	CUE2	NME I	Banking Practices	To equip the students of other discipline, to know about the new trends in banking practice, a new course on "Banking Practices" was introduced as Non-Major elective.
	PGCK	CC - Core Course XI	Advanced Cost Accounting	To impart advance knowledge on cost accounting, a new course on "Advanced Cost Accounting" to the M.Com. Students with the Methods and Techniques of costing in the syllabus.
Mathematics	PGME4	Elective Course IV	Advanced Operations Research	To write algorithms, analyze the problem on decision theory and game theory, and to apply the OR techniques in various fields.
	PGMM	CC - Core Course XIII	Advanced Probability Theory	To acquire the knowledge about the advance concepts of Probability theory.

	MUS3	Skill Based Elective III	Documentation in Latex	To understand the latest documentation software.
Chemistry	PGQG	CC - Core Course V	Physical Methods in Chemistry -I	To acquire knowledge about Applications of spectroscopy.
	PGQM	CC - Core Course V	Physical Methods in Chemistry -II	To acquire knowledge about Applications of spectroscopy.
Zoology		Extra credit course	Semester-I: Community Medicine-I	To create awareness on community medicine
		Extra credit course	Semester-II: Community Medicine-II.	To create awareness on community medicine
		Skill Initiative Programme	Semester- III: Multidisciplinary paper	To motivate interest in Research
		Skill Initiative Programme	Semester- IV: Group project/ Internship Training	To motivate interest in Research
		Value Added Certificate course	Semester-V: Aquarium Fish Keeping	To become an Entrepreneur
		Value Added Certificate course	Semester-VI: Sea Food Preparation	To become an Entrepreneur
	ZUD	CC - Core Course III	Semester III : Cell and Molecular	95% of cell Biology and 5% Molecular Biology basic only

			Biology paper title changed into Cell Biology	included So, the paper title changed into Cell Biology .
	ZUS1	Skill Based Elective	Semester III : SBE-I Apiculture shifted to Semester-IV	To make the uniformity of the syllabus in our college
	ZUS2	Skill Based Elective	IV Semester SBE-II Poultry Science shifted to V semester	To make the uniformity of the syllabus in our college
	ZUS3	MBE Paper changed into SBE and vice versa	SBE – Skill Based Elective III - Biotechnology Paper title changed into Animal Biotechnology.	Being the zoology student most of the content was animal based More than 90% of the content was Application oriented to zoology based.
Biochemistry	BUE4	Major Based Elective II	General Microbiology	To get knowledge about the various diseases, morphology, classification and application of various microorganisms
		Extra Credit Course - I	First Aid Management	To Understand their role as an emergency first aider

		Extra Credit Course - I	Nutrition and Dietetics	To develop the Skill in apply the concept of nutritional foods and status for good health
		Value Added Course - I	Laboratory Safety Rules	To get advance knowledge about laboratory safety and Rules.
		Value Added Course (Multidisciplinary courses)-II	Home care Management	To acquire the knowledge about the advance concepts of home management and managerial effectiveness
B.Sc., Computer science	XUD		Object Oriented Programming using C++with Data structures	Data structures can certainly implement using OOP, and it might make your code more readable, but they can all be implemented using plain old structural programming.
	XUEY		Data structures using C++ Lab	Data structures is an important core subject of computer science curriculum, and hands-on laboratory experience is critical to the understanding of theoretical

			<p>concepts , The programming exercises in C++ are designed to demonstrate the applicability of Object Oriented programming concepts to problem solving.</p>
		Computer Literacy	<p>Computer literacy is considered a very important skill to possess. Employers want their workers to have basic computer skills because their company becomes ever more dependent on computers. Many employers try to use computers to help run their company faster and cheaper.</p>
	XUS1Y	R-Programming Lab	<p>R is a programming language for statistical computing and graphics that you can use to clean, analyze, and graph your data. It is widely used by researchers from diverse</p>

				disciplines to estimate and display results and by teachers of statistics and research methods.
	XUS1Y		Software Designing Tools	Software design documents not only help others understand your system and provide documentation for future projects, but it also forces you to think through the entire system architecture. This ensures you go through every possible roadblock or challenge you might face, thereby exposing all gaps in your thinking.
	XUS1Y		Job oriented Course-Amazon web services	AWS enables you to select the operating system, programming language, web application platform, database, and other services you need. With AWS, you

			receive a virtual environment that lets you load the software and services your application requires.
		Online Course MOOC (Swayam, NPTEL)	NPTEL aims to partner with organizations in a mutually beneficial manner by offering courses to train the fresher's in the companies and to cross-skill and up-skill the existing workforce. All NPTEL online certification courses are SWAYAM courses too. NPTEL delivers only engineering content while SWAYAM covers a wide section of educational contents like Photography, Videography etc.
	XUE4	Artificial Intelligence	The widespread use of AI may not only reduce the role of humans in the production process, it may also reduce

				investment costs. Moreover, the increasing use of AI, particularly in the context of the AI-driven Internet of Things, is giving rise to new innovation strategies of firms.
		Self-Paced Learning (SPL)	Wireless Communication	Wireless communication basically involves exchanging data over long or short distances using wireless technologies and devices that use wireless signals, instead of cable or wires. The technology is cost-effective, compared to cable networks which involve huge infrastructural outlays.
		Self-Paced Learning (SPL)	Cloud Computing	Developing in the cloud enables users to get their applications to market quickly. Hardware failures do not result in data loss because of

				<p>networked backups. Cloud computing uses remote resources, saving organizations the cost of servers and other equipment.</p>
		Skill Based Course	Data Visualization Tools	<p>Data visualization allows business users to gain insight into their vast amounts of data. It benefits them to recognize new patterns and errors in the data. Making sense of these patterns helps the users pay attention to areas that indicate red flags or progress. This process, in turn, drives the business ahead.</p>

		Skill Based Course	Software Testing Tools	Software testing tools are often used to assure firmness, thoroughness and performance in testing software products. Unit testing and subsequent integration testing can be performed by software testing tools. These tools are used to fulfill all the requirements of planned testing activities.
		Skill Based Course	Multimedia Lab	Multimedia learning is that it takes advantage of the brain's ability to make connections between verbal and visual representations of content, leading to a deeper understanding, which in turn supports the transfer of learning to other situations.
		Skill Based Course	Internet with ASP Lab	ASP.NET is a great framework to use

				<p>when developing web sites and web applications. It is reliable, fast, easy to use, free and widely known.</p> <p>ASP.NET gives you full control of your development and can be used on any project, big or small.</p>
			Web Technology	<p>Web technology refers to the means by which computers communicate with each other using markup languages and multimedia packages. It gives us a way to interact with hosted information, like websites. Web technology involves the use of hypertext markup language (HTML) and cascading style sheets (CSS).</p>
	XUS2Y	Skill Based Elective	Web Technology and Bio Informatics Lab	<p>Bioinformatics applications is effective for generating the vast quantity of inputs.</p>

				<p>The name simulation is computation especially for developing algorithms and software's, constructing database and curation, and analyzing the sequence, functions, and structures.</p>
			Python Programming	<p>Python language is one of the most accessible programming languages available because it has simplified syntax and not complicated, which gives more emphasis on natural language. Due to its ease of learning and usage, python codes can be easily written and executed much faster than other programming languages.</p>
	XUNY	CORE COURSE XIV	Python and Bio Informatics Lab	<p>Python is a widely used general-purpose, high-level programming</p>

			<p>language in bioinformatics field. Its design philosophy emphasizes code readability, and its syntax allows programmers to express concepts in fewer lines of code than would be possible in languages such as C++ or Java.</p>
		Web Graphics	<p>Graphics should help to guide the viewers' focus to the important content on the page. Using visually strong graphic elements on a page can be useful in directing viewers' attention and providing structure for the page.</p>
		Distributed Technologies	<p>Distributed system is to make it easy for users (and applications) to access and share remote resources. Resources can be virtually anything, but typical examples</p>

			include peripherals, storage facilities, data, files, services, and networks, to name just a few.
		Mobile Communication	Mobile Communication is the use of technology that allows us to communicate with others in different locations without the use of any physical connection (wires or cables). Mobile communication makes our life easier, and it saves time and effort.
		Big Data & Analytics	Big data analytics is the complete process of examining large sets of data through varied tools and processes in order to discover unknown patterns, hidden...
		Cyber Security	Cyber Security is important because it protects you or your company from potential cyber threats. The advancement of

				technology has left many people vulnerable to cybercriminal activities, such as hacking, data theft and damage, and industrial espionage.
			Client Server Computing	Client/server computing is more and more important for the most basic of reasons: it offers increased speed, control, and efficiency in data management.
		Value Added Course	Multimedia Technology I	Premiere Pro is the industry-leading video editing software for film, TV and the web. Creative tools and integration with other apps and services helps you craft footage into polished films and videos.
		Value Added Course	Multimedia Technology II	Desktop publishing software is important because it increases productivity, helps in enhancing the

				appearance of all produced documents, minimized the production cost, easy customization of all kinds of projects, and also in a way to manage the presentation as well as its content.
M.Sc., Computer science	PGXA	CORE COURSE- I	Database and NOSQL	NoSQL database provides much more flexibility when it comes to handling data. There is no requirement to specify the schema to start working with the application. Also, the NoSQL database doesn't put a restriction on the types of data you can store together. It allows you to add more new types as your needs change.
	PGXEY	CORE COURSE- V	Mongo DB Lab	More than any other No SQL database, and dramatically more than any relational database, Mongo DB's document-

				<p>oriented data model makes it exceptionally easy to add or change fields, among other things. So if a developer needs to quickly evolve an application, MongoDB's flexible data model facilitates this.</p>
			<p>Online Course MOOC (Swayam, NPTEL)</p>	<p>NPTEL aims to partner with organizations in a mutually beneficial manner by offering courses to train the freshers in the companies and to cross-skill and up-skill the existing workforce. All NPTEL online certification courses are SWAYAM courses too. NPTEL delivers only engineering content while SWAYAM covers a wide section of educational contents like Photography, Videography etc.</p>

	PGXL	Skill Paced Learning	SPL- Virtualization and Cloud Computing	Virtualization is the key to cloud computing, since it is the enabling technology allowing the creation of an intelligent abstraction layer which hides the complexity of underlying hardware or software.
	PGXO	CORE COURSE- XIV	Machine Learning and R-Programming	R is powerful because of the breadth of techniques it offers. Any techniques that you can think of for data analysis, visualization, sampling, supervised learning and model evaluation are provided in R. The platform has more techniques than any other that you will come across.
			High Performance Computing	HPC helps engineers, data scientists, designers, and other researchers solve large, complex problems in far less

				time and at less cost than traditional computing. The primary benefits of HPC are: Reduced physical testing; HPC can be used to create simulations, eliminating the need for physical tests.
			Parallel & Distributed Computing	Parallel computing helps to increase the performance of the system. In contrast, distributed computing allows scalability, sharing resources and helps to perform computation tasks efficiently.
			Adhoc & Sensor Networks	Ad hoc networks are created between two or more wireless PCs together, without the use of a wireless router or an access point. The computers communicate directly with each other. Ad hoc networks can be very helpful during meetings or in any

				location where a network doesn't exist and where people need to share files.
			Software Project Management	Every project requires the management of project documents. Reports, project plans, & files related to specific tasks are all examples of such documents. Using project management software ensures that documentation is easy to read, well-organized, accurate, & easily shareable with team members.
			Grid Computing	Grid computing enables the virtualization of distributed computing resources such as processing, network band width, and storage capacity to create a single system image, granting users and applications seamless access to vast IT capabilities.

			Web Services	Web services allow you to expose the functionality of your existing code over the network. Once it is exposed on the network, other applications can use the functionality of your program.
BBA	AUS1	Skill Based Course-I	Front office Management	Capacity Building for Employment
Tamil	TUE	Core Course	Oppilakkiyam	Sithar Ilakkiyam
English	NUD	Core Course IV	Grammar and Usage	<p>To enable the students to understand the basic rules of grammar and structure in English.</p> <p>To make the students to use the language effectively.</p> <p>To enable the learner to communicate effectively and appropriately in real life situation.</p>
	NUF	Core Course VI	Drama	To introduce the

				<p>learners to the emergence of English Drama from the Elizabethans to the 20th century.</p> <p>To develop a critical understanding of drama and various kinds of theatre and a range of dramatic skills and techniques</p> <p>To familiarize students with the cultural diversity of the world.</p>
	NUG	Core Course VII	Fiction	<p>To appreciate the literary value of imaginative literature in terms of plot, characterization and analyzing the social and moral purposes.</p> <p>To identify the literary, cultural, historical, and political influences on fictional works.</p>
	NUJ	Core Course X	Literary Criticism	To acquaint learners with the knowledge of history of literary

				<p>criticism, its various trends and schools.</p> <p>To help learners apply literary theory to text in order to enrich their understanding and appreciation of literature.</p>
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	NUM	Core Course XIII	Indian English Literature	<p>To make learners aware of the history and growth of Indian writing in English.</p> <p>To familiarize the students about the major writers and literary works in Indian Writing in English from its origin in the 19th century, till date.</p> <p>To analyze the growth of Indian Writing in English with reference to the historical, political, social and cultural milieu of Indian subcontinent from the colonial days till today</p>
	NUN	Core Course XIV	Post –Colonial Literature in English	<p>To introduce learners to the literatures of a few commonwealth countries</p> <p>To appreciate the literary works from different nations of</p>

				<p>the world which were once under the British colonial rule</p> <p>To analyze and evaluate the post-colonial traits found in the prescribed literary texts</p>
	NUE2	Non – Major Elective II	English for Competence	<p>To enable the students to prepare for competitive Examinations.</p> <p>To equip the students with the nuances of the English language; this includes proficiency in grammar.</p>
	NUS1	Skill Based Elective I	Writing Skills in English	<p>To inculcate effective skills of presentation in the students.</p> <p>To make the students to learn, practice and acquire the skills necessary to deliver the presentation with clarity.</p>
	NUE4	Major Based Elective II	Translation Theory and	To introduce the learners to the

			Practice II	<p>techniques involved in Translation.</p> <p>To acquire the skills needed for a professional translator.</p> <p>To familiarize the students with the concepts and theories of translation.</p>
BCA	KUD		Object Oriented Programming using C++with Data structures	Data structures can certainly implement using OOP, and it might make your code more readable, but they can all be implemented using plain old structural programming.
	KUEY		Data structures using C++ Lab	Data structures is an important core subject of computer science curriculum, and hands-on laboratory experience is critical to the understanding of theoretical concepts , The programming exercises in C++ are designed to demonstrate the

				applicability of Object Oriented programming concepts to problem solving.
	KUS1Y	Skill based Elective	R-Programming Lab	R is a programming language for statistical computing and graphics that you can use to clean, analyze, and graph your data. It is widely used by researchers from diverse disciplines to estimate and display results and by teachers of statistics and research methods.
			Web Application Development Lab	Using a website as its central portal for access, a web application helps businesses to target and reach potential and existing customers easily and quickly. Web applications play an important role in making several online transactions

				possible in today's cyber space.
			Job oriented Course-Amazon web services	AWS enables you to select the operating system,programming language, web application platform, database, and other services you need. With AWS, you receive a virtual environment that lets you load the software and services your application requires.
			Online Course MOOC (Swayam, NPTEL)	NPTEL aims to partner with organizations in a mutually beneficial manner by offering courses to train the freshers in the companies and to cross-skill and up-skill the existing workforce. All NPTEL online certification courses are SWAYAM courses too. NPTEL delivers only engineering content while SWAYAM covers a wide section

				of educational contents like Photography, Videography etc.
			E-Commerce	E-commerce allows customers to choose a product or service they want, from any supplier, anywhere in the world. You have a much wider choice than in brick-and-mortar stores. And the freedom to browse without any stress or hurry is priceless.
			Wireless Communication	Wireless communication basically involves exchanging data over long or short distances using wireless technologies and devices that use wireless signals, instead of cable or wires. The technology is cost-effective, compared to cable networks which involve huge infrastructural outlays.

			Cloud Computing	<p>Developing in the cloud enables users to get their applications to market quickly. Hardware failures do not result in data loss because of networked backups. Cloud computing uses remote resources, saving organizations the cost of servers and other equipment.</p>
			Open Source Product Lab	<p>Open source licensing encourages innovation through collaboration.</p> <p>Without it, many of the technologies we take for granted today would never have developed, or would be locked away behind patent law. The open source movement is the reason that technology has developed at such a breakneck pace for the past few decades.</p>
			ASP and ASP	ASP.NET is an open-

			.Net Lab	<p>source, server-side web-application framework designed for web development to produce dynamic web pages. It was developed by Microsoft to allow programmers to build dynamic web sites, applications and services. The name stands for Active Server Pages Network Enabled Technologies.</p>
			Multimedia Lab	<p>Multimedia learning is that it takes advantage of the brain's ability to make connections between verbal and visual representations of content, leading to a deeper understanding, which in turn supports the transfer of learning to other situations.</p>
			Internet with ASP Lab	<p>ASP.NET is a great framework to use</p>

				<p>when developing web sites and web applications. It is reliable, fast, easy to use, free and widely known.</p> <p>ASP.NET gives you full control of your development and can be used on any project, big or small.</p>
	KUK		Python Programming	<p>Python language is one of the most accessible programming languages available because it has simplified syntax and not complicated, which gives more emphasis on natural language. Due to its ease of learning and usage, python codes can be easily written and executed much faster than other programming languages.</p>
	KUS2Y		Python & Bioinformatics Lab	<p>Python is a widely used general-purpose, high-level programming language in</p>

				<p>bioinformatics field. Its design philosophy emphasizes code readability, and its syntax allows programmers to express concepts in fewer lines of code than would be possible in languages such as C++ or Java.</p>
	KUE5Y		<p>Web Technology and Bioinformatics Lab</p>	<p>Bioinformatics applications is effective for generating the vast quantity of inputs. The name simulation is computation especially for developing algorithms and software's, constructing database and curation, and analyzing the sequence, functions, and structures.</p>
			<p>Web Graphics</p>	<p>Graphics should help to guide the viewers' focus to the important content on the page. Using</p>

				visually strong graphic elements on a page can be useful in directing viewers' attention and providing structure for the page.
			Big Data & Analytics	Big data analytics is the complete process of examining large sets of data through varied tools and processes in order to discover unknown patterns, hidden...
			Artificial Intelligence	The widespread use of AI may not only reduce the role of humans in the production process, it may also reduce investment costs. Moreover, the increasing use of AI, particularly in the context of the AI-driven Internet of Things, is giving rise to new innovation strategies of firms.
			Cyber Security	Cyber Security is important because it protects you or your company from

				<p>potential cyber threats. The advancement of technology has left many people vulnerable to cybercriminal activities, such as hacking, data theft and damage, and industrial espionage.</p>
			<p>UI/UX Design& Animation Lab using Open source Tools</p>	<p>UX design is the process of designing (digital or physical) products that are useful, easy to use, and delightful to interact with. It's about enhancing the experience that people have while interacting with your product, and making sure they find value in what you're providing.</p>

			Software Testing Tools Lab	Software testing tools are often used to assure firmness, thoroughness and performance in testing software products. Unit testing and subsequent integration testing can be performed by software testing tools. These tools are used to fulfill all the requirements of planned testing activities.
			Multimedia Technology I	Premiere Pro is the industry-leading video editing software for film, TV and the web. Creative tools and integration with other apps and services helps you craft footage into polished films and videos.
			Multimedia Technology II	Desktop publishing software is important because it increases productivity, helps in enhancing the

				appearance of all produced documents, minimized the production cost, easy customization of all kinds of projects, and also in a way to manage the presentation as well as its content.
B.Voc., Software		Skill	Web Technology and Bioinformatics Lab	Bioinformatics applications is effective for generating the vast quantity of inputs. The name simulation is computation especially for developing algorithms and software's, constructing database and curation, and analyzing the sequence, functions, and structures.
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		Skill	Big Data & Analytics	<p>Big data analytics is the complete process of examining large sets of data through varied tools and processes in order to discover unknown patterns, hidden...</p>
		Skill	Artificial Intelligence	<p>The widespread use of AI may not only reduce the role of humans in the production process, it may also reduce investment costs. Moreover, the increasing use of AI, particularly in the context of the AI-driven Internet of Things, is giving rise to new innovation strategies of firms.</p>
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