1.2.2 - Additional Information - List of Electives Offered (Data for the latest completed academic year)

	mation - Lis	t of Electives Offered (Data for the latest completed	
Name of Programmes	Course	Common Name	Course Type
adopting elective	Code	Course Name	Course Type
course system		At O.D. Lored Developing	
B.E AERONAUTICAL	AE16901	Aircraft Rules and Regulations	-
ENGINEERING	AE16902	Wind Power Engineering	-
	AE16903	Aircraft Safety	-
	AE16904	Active Control Technology	Open Elective
	AE16911	Corrosion Of Aerospace Materials	-
	AE16912	Design of Flight Control System	-
	AE16913	Satellite Technology	-
	AE16914	Mathematical Methods in Modern Aviation	
	AE16151	Principles of UAV and MAV	-
	AE16152	Experimental Stress Analysis	-
	AE16153	Aircraft Communication And Navigation System	-
	AE16154	Air Traffic control and Planning	-
	AE16251	Industrial Aerodynamics	-
	AE16252	Experimental Aerodynamics	-
	AE16253	Hypersonic Aerodynamics	Professional
	AE16254	Wind Tunnel Techniques	Elective
	AE16351	Aero Engine Repair and Maintenance	Piccurc
	AE16352	Aviation Fuels and Combustion	-
	AE16353	Airframe Repair and Maintenance	- ,
	AE16354	Fatigue and Fracture	-
	AE16451	Human Resource Management	-
	AE16452	Aviation Maintenance Management	-
	AE16453	Entrepreneurship Development	-
	AE16454	Crisis Management in Aircraft Industry	
B.E.AGRICULTURE	AI16901	Energy Management in Agriculture	1
ENGINEERING	AI16902	Climate Change and Adaptation	-
	AI16903	Professional Ethics in Agriculture Engineering	-
	AI16904	Engineering	Open Elective
	AI16905	Agricultural Waste Management	-
	AI16906	Ergonomics and Safety in Agriculture Engineering	_
	AI16907	Automation in Irrigation	_
	AI16908	Forest Resource Management	
	AI16151	Industrial Safety Management	4
	AI16152	Farm Power and Machinery Management	4
	AI16153	Watershed Management	4
	BA16451	Entrepreneurship Development	_
	AI16251	Seed Production Technology	4
	AI16252	Landscape Design and Site Planning	.
	4.71.60.52	Energy and Environmental Auditing and its	Professional
,	AI16253	Management	Elective
	AI16254	On-Farm Water Management	
	AI16351	Organic Farming Technologies	
	AI16352	Micro Irrigation Systems	
	AI16353	Mechanics of Tillage and Traction	
	AI16354	Agricultural Business Management	
	AI16451	Horticulture Crop Process Engineering	
	1110101		1

DEAN - ACADEMICS
Paavai Engineering College
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PRINCIPAL,

AVAI ENGINEERING COLLE

NH-7, PACHAL Post, Namakkai II.

	A116452	Disaster Management	
	A116453	Special Farm Machinery and Equipments	1
	AI16454	Renewable Energy Resources and Technology	1
B.E CIVIL	CE16901	Building Services	
ENGINEERING	CE16902	Contract Laws and Regulations	1
	CE16903	Architecture	1
	CE16904	Smart Structures and Smart Materials	1
	CE16905	Remote Sensing Techniques and GIS	1
	CE16906	Computer Aided Design of Structures	Open Elective
	CE16907	Disaster Management	1
	CE16908	Finite Element Techniques	1
	CE16909	Engineering Economics and Cost Analysis	1
	CE16910	Environmental Impact Assessment	1
	CE16151	Hydrology and Water Resources Engineering	
	CE16152	Total Station and GPS Surveying	1
	CE16153	Construction Planning and Scheduling	1
	CE16154	Air pollution and Control Engineering	1
	CE16155	Coastal Engineering	1
	CE16251	Industrial Waste Water Engineering	
	CE16252	Traffic Engineering and Management	1
	CE16253	Municipal Solid Waste Management	
	CE16254	Railways, Airports and Harbour Engineering	
	MA16751	Operations Research	D 6
	CE16351	Power plant Structures	Professional Elective
	CE16352	Bridge Structures	Liective
	CE16353	Maintenance, Repair and Rehabilitation of Structures	
	BA16253	Total Quality Management	
	BA16151	Professional Ethics And Human Values	
	CE16451	Ground Improvement Techniques	
	CE16452	Prefabricated Structures	
	CE16453	Industrial Structures	
	CE16454	Tall Structures	
	CE16455	Introduction to Soil Dynamics and Machine	
B.E - COMPUTER	CS16901	R and Python Programming	
SCIENCE AND	CS16902	Fundamentals of Database System	
ENGINEERING	CS16903	E - Commerce	Open Elective
	CS16904	Green Computing	
	CS16905	Web Content Development	
	MA16151	Discrete Mathematics	
	CS16151	XML and Web Services	
	BA16254	Principles of Management	
	CS16152	Big Data Analytics	
	CS16153	Parallel Computing	
	CS16251	Semantic Web	Professional
	CS16252	Wireless Sensor Networks	Elective
	CS16253	Data Science	
	CS16254	Internet of Things	
	BA16351	Engineering Economics and Financial Accounting	
	CS16351	Advanced Database Technology	

PRINCIPAL, AAVAI ENGINEERING COLL. VH-7, PACHAL Post, Namakkal U.

	CS16352	Ad-hoc Networks	
	CS16353	Graph Theory and Applications]
	CS16354	User Interface Design	
	CS16355	Distributed Systems	
	CS16451	Agile Software Development	
	CS16452	Service Oriented Architecture	
	CS16453	Digital Image Processing	
	CS16454	Soft Computing	
	BA16451	Entrepreneurship Development	
	CS16551	Software Testing	
	CS16552	Robotics	
	CS16553	Machine Learning	
	CS16554	Mobile Computing	
B.E-ELECTRONICS	MA16851	Resource Management Techniques	
AND	EC16901	Microcontroller Based System Design	
COMMUNICATION	EC16902	Biomedical Instrumentation	
ENGINEERING	EC16903	5G Technology	
	EC16904	Radar and Navigational aids	Open Elective
	EC16904	PLC and DCS	
	EC16904	Nano Scale Devices	
	EC16907	Automotive Electrical and Electronics System	
	EC16151	Transmission Lines and Wave Guides	
	EC16152	Information Theory	
	IT16403	Operating Systems	
	MA16501	Numerical Methods	
	EC16251	Wireless Sensor Networks	
	EC16252	Digital Switching and Transmission Systems	
	EC16253	Advanced Microprocessors	
	BA16253	Total Quality Management	
	EC16351	Digital Image Processing	
	EC16352	Speech Processing	
	EC16353	Electromagnetic Interference and Compatibility	
	EC16354	Telecommunication System modeling and simulation	
	EC16451	Television Signal Processing and Display Systems	Professional Elective
	EC16452	Space Time Communication	DICCHYC
	EC16453	Web Technology	
	EC16454	Biosignal Processing	
	EC16551	Optoelectronic Devices	
	EC16551	Micro-Electro-Mechanical Systems	
	EC16553	Mobile Operating Systems	
	EC16554	Multimedia Compression and Communication	
	EC16651	Medical Electronics	
	EC16652	Cellular and Mobile Communication	
	EC16653	RF Microelectronics	
		Virtual Instrumentation	
	EC16654	virtual distrumentation	

PRINCIPAL,
PAAVAI ENGINEERING COLLEGINH-7, PACHAL Post, Namakkai Dr

B.E- ELECTRICAL	EE16901	Micro Electro Mechanical System	
AND ELECTRONICS		Industrial Robotics	7
ENGINEERING	DD:07-	Soft Computing Techniques	C Floring
ENGINEERING	EE16904	Wind and Solar Energy Systems	Open Elective
·		Embedded System Design	1
	EE16906	Solar and Wind Energy Engineering	1
	EE16151	Bio Medical Engineering	
-	EE16152	Electrical Safety	1
	EE16153	Digital Control Engineering	
	EE16154	Nano Science	7
	EE16155	Network Analysis and Synthesis	1
	EE16251	VLSI Design and Circuits	7
	EE16252	Power System Dynamics	1
	EE16253	Flexible AC Transmission System	7
	EE16254	Optoelectronic Devices	1
		Operations Research	1
	EE16351	EHV AC and DC Transmission	Professional
	EE16352	Energy Auditing	Elective
	EE16353	High Voltage Engineering	
	EE16354	Computer Networks	7
	EE16355	Design with PIC Microcontroller	7
	EE16451	Testing and Commission of Electrical Equipments	
	EE16452	Power Quality	1
	EE16453	Virtual Instrumentation	1
	EE16454	Computer Aided Design of Electrical Machines	
	BA16253	Total Quality Management	1
B.E - MECHANICAL	ME16901	Renewable Energy Sources	
ENGINEERING	ME16902	Quality Control and Reliability Engineering	7
	ME16903	Industrial Psychology and Work Ethics	
	ME16904	Energy Conservation and Management	Open Elective
		Safety Engineering and Environmental Systems	
		Plant Layout and Material Handling	7
	ME16151	Unconventional Machining Processes	
	ME16152	Rapid Prototyping	7
	ME16153	Theory of Metal Forming	7
	ME16154	Solar Energy System	7
	ME16155	Foundry Technology	7
	ME16251	Maintenance Engineering	7
	ME16252	Non-Destructive Evaluation Techniques	7
	ME16253	Design of Jigs, Fixtures and Press Tools	Professional
		Micro Electro Mechanical Systems	Elective
		CNC Technology	
	ME16351		7
	ME16352		7
	ME16353		7
	ME16354		-
	BA16451	Entrepreneurship Development	-
	ME16451	Production Planning and Control	-

PRINCIPAL
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	\	D 01 11 0 12 1-	
-		Refrigeration and Air Conditioning	
		Industrial Tribology	
		Advanced I.C. Engines	
		Engineering Economics	
B.E -		Industrial Engineering	
MECHATRONICS		Mechatronics	
		Micro Electro Mechanical Systems	
		Biomedical Instrumentation	
		Non-Destructive Testing	Open Elective
	MT16906		
		Industrial Automation	
,		Advanced Manufacturing Management	
		Intelligent Manufacturing Technology	
		Nano Technology	
		Advanced Manufacturing Processes	
ļ		Digital Signal Processing	
		Diagnostic Techniques	
		Modelling and Simulation in Engineering	
		Product Design and Costing	
		Engineering Economics and Cost Analysis	
		Additive Manufacturing	
9		Embedded System Design	
	MT16254	Design of Jigs, Fixtures and Press Tools	
	IT16255	Computer Networks	
	MT16351	Mechatronics Systems Design	
	MT16352	Finite Element Analysis	Professional
		Non-Traditional Machining Processes	Elective
	MT16354	Industrial Electronics and Applications	
	BA16254	Principles of Management	
	MT16451	Computational Fluid Dynamics	
		Advanced Sensor Technology	
		Renewable Energy Sources	
	BA16253	Total Quality Management	
	IT16456	Database Management Systems	
	MT16551	Intellectual Property Rights	
	MT16552	Artificial Intelligence	
	MT16553	Concepts of Engineering Design	
	MT16554	Internal Combustion Engines	
	MT16555	Flexible Manufacturing Systems	
B.E BIOMEDICAL	BM16902	Industrial Nanotechnology	
ENGINEERING	BM16903	Basics of Microscopy	Open Elective
	BM16904	Introduction to Data science	Open Elective
	BM16905	Disaster Management	
	BM16151	Biomedical Informatics	
	BM16152	Virtual Bioinstrumentation	
	BM16153	BioMEMS	Professional
	Divilord		
		Medical Optics	1 100 OF SERVICE STREET, COMMISSION
	BM16154	Medical Optics Telemedicine and PACS	Elective
		Telemedicine and PACS	TOTAL CO. SERVICE CO. C.

PRINCIPAL,
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	BM16254	Advanced Bioanalyical and Therapeutic techniques	
	BM16351	Tissue Engineering	1
		Rehabilitation Engineering	1
		Design and Development of Medical Devices	1
		Nanotechnology and Applications	1
		Biometric Systems	1
	BM16452	Medical EthicsStandards and Safety	1
	BM16453	Advanced Healthcare System Design	1
	BM16454	Advanced Medical Imaging Systems	
	BM16551	Artificial Organs and Implants	-
		Embedded Systems and IoT in Healthcare	-
		Physiological Modeling Robotics and Automation in Medicine	-
	BM16651		
		Virtual Reality in Medicine	1
		Wearable Systems	
		Quality Control in Biomedical Engineering	
		Medical Radiation Safety	
		Medical Waste Management	
		Advanced Biomedical Instrumentation	
		Telehealth Technology	
		Brain Computer Interface	
B.EMEDICAL		Biomedical Equipments	
ELECTRONICS		Basics of Bioinformatics	Onen Fleetine
		Product design and development	Open Elective
		Analytical Methods and Instrumentation	
		Robotics and Automation	
		Neural Network and its applications	
		Bio MEMS	
		Nano Technology and its applications	
		VLSI Design	
		Pattern Recognition	
		Medical Expert Systems	
		Introduction to Cloud Computing	1
		Medical Devices Regulations	
		Fundamentals of Nano science	
		Physiological System Modelling Medical Ethics and Safety	
		Smart Wearable Systems	Professional
			Elective
		Advanced Medical Instrumentation Technology Deep Learning	Licetive
		Introduction to Mobile App Development	1
		Body Area Network	-
		Multimedia Applications	-
		Telehealth Technology	-
	1,1010333	Embedded Systems and Internet of Things in	1
	MD16554	Healthcare	
	MD16651	Virtual Instrumentation	1
	MD16652	Digital Video Processing	1
	MD16653	Biosensors	
	MD16654	Brain Computer Interface and its Applications	1
		1	

PRINCIPAL,
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NH-7, PACHAL Post, Namakkai u.

B.TECH-CHEMICAL	CM16901	Solid Waste Management	
ENGINEERING		Industrial Wastewater Treatment	- FI .:
	CM16903	Corrosion Engineering	Open Elective
	CM16904	Process Instrumentation	
	CM16151	Biochemical Engineering	
	CM16152	Drugs and Pharmaceutical Technology	
		Pulp and Paper Technology	
		Fundamentals of Nano science	
		Oil and Natural Gas Engineering	
		Polymer Technology	
		Food Technology	
		Green Chemistry and Engineering	Professional
		Fertilizer Technology	Elective
		Process Optimization	_
	CM16353	Computational Fluid Dynamics	_
		Piping Engineering	-
		Process Modelling and Simulation	-
		Modern Separation Processes	-
-	BA16253	Petroleum Refining Engineering	-
B.TECH-	IT16901	Total Quality Management Green Computing	-
INFORMATION	IT16901	Information Technology Essentials	Open Elective
TECHNOLOGY	IT16903	Open Source Technologies	Open Elective
TECHN (OEGG)		Discrete Mathematics	
,	IT16151	Theory of Computation	
	IT16152	Information Coding Techniques	
	IT16153	User Interface Design	-
	IT16154	Artificial Intelligence	1
	IT16251	Open Source Software	1
	IT16252	Distributed Systems	
	BA16351	Engineering Economics and Financial Accounting	1
	IT16253	TCP/IP Protocol Design and Implementation	
	IT16254	System Software	
	IT16351	Adhoc and Sensor Networks	1
	IT16352	C# And .Net Framework	
	IT16353	Software Quality Assurance	Professional
	IT16354	Big Data and Analytics	Elective
	IT16355	Internet of Things	
	IT16451	J2EE	1
,	IT16452	Agile Software Development	1
2	IT16453	Machine Learning	
	IT16454	Software Testing	1
	IT16455	Soft Computing	
	IT16551	Digital Enterprise Resource Planning	
	IT16552	Service Oriented Architecture	
	IT16553	Foundations of Blockchain Technology	
	IT16554	Social Network Analysis	
	BA16253	Total Quality Management	

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PAAVAI ENGINEERING COLLE
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B.TECH-FOOD	FT16901	Fundamental of Food Processing	
TECHNOLOGY		Food Chemistry of Macronutrients	Open Elective
TECHNOLOGY		Food additives and nutraceuticals	
		Milling Technology	Professional
		Technology of Fats and Oils	Elective
		Bioprocess Engineering	Elective
B.TECH-		Herbal Technology	
PHARMACEUTICAL	PT16510	Technology of Fine Chemicals and Bulk Drugs	Open Elective
TECHNOLOGY	PT16506	Basic Laboratory Animal Science	
	PT16507	Fundamentals of Material Science and Engineering	
	PT16508	Technology of Semisolid Dosage Forms	
£	BA16G06	Disaster Management	Professional
	PT16606	Biological Spectroscopy	Elective
	PT16607	Fundamentals of Polymer Science and Engineering	
	PT16608	Validation in Pharmaceutical Industries	
	PT16609	Fundamentals of Nanoscience	
M.E - COMPUTER	PMA19901	Operations Research	
SCIENCE AND	PCE19901	Business Analytics	
ENGINEERING	PED19901	Industrial Safety	Onen Elective
	PSE19901	Cost Management of Engineering Projects	Open Elective
	PED19902	Composite Materials	
	PED19903	Waste to Energy	1
2		Data Preparation and Analysis	
,		Secure Coding	1
		Introduction to Intelligent Systems	1
	PCE19154	Pattern Recognition	7
	PCE19251	Storage Area Network	9
	PCE19252	Data Storage Technologies and Network	7
		Ethical Hacking	7
	PCE19254	Data Virtualization Techniques	
	PCE19351	Knowledge Discovery	
	PCE19352	Secure Software Design and Enterprise Computing	
		Computer Vision	Professional
	CO CONTRACTOR CONTRACTOR	Software Design	Elective
		Human and Computer Interaction	Liective
		GPU Computing	
		Digital Forensics	
		Advanced wireless and mobile networks	
		Mobile Application and Services	
		High Performance Computing	_
		Cryptocurrency and Blockchain Technologies	
4		Agile Software Development	
		Internet of Things	_
		Real Time Systems	_
		Computer Vision	_
	PCE16354	Research Methodology	

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	PCE16355	Design and Analysis of Parallel Algorithms	
		Model Checking and Program Verification	7
	PCE16452		1
	PCE16453	Bio - inspired Computing	
		Pattern Recognition and Analysis	
		Multimedia Systems	
M.E-	PCS19151	Data Compression Techniques	
COMMUNICATION SYSTEMS	PCS19152	Electromagnetic Interference and Compatibility in system design	
	PCS19153	Advanced Digital Image Processing	
	PCS19154	MEMS and NEMS	1
		Fiber Optic Networks	1
		Millimeter Wave Communication	1
	PCS19253	Pattern Recognition and Machine Learning	1
		Internet of Things	7
		Satellite Communication	1
	PCS19352	Optimization Techniques	
		Digital Communication Receivers	
		Soft Computing	Professional
		Network Routing Algorithms	Elective
-	PCS19452	DSP Processor Architecture and Programming]
		MobileCommunication Systems and Standards	
	PCS19454	Radar Signal Processing	
		High Performance Networks	
		Speech Processing and Synthesis	
		DSP Processor Architecture and Programming	
		Neural Network and Applications	
	PCS16651	Wavelet transform and its applications	
		Smart Antennas	
		Internetworking Multimedia]
	PCS16654	VLSI for Wireless Communication	
M.E - ENGINEERING	PED19251	Advanced Engineering Materials	
DESIGN		Mechanics of Composite Materials	
	PED19253	Analysis and Synthesis of Mechanisms	
		Mechatronics in Manufacturing	
	PED19151	Advanced Machine Design	
		Design for Manufacturing and Assembly	
	PMA19153	Mathematical Methods in Engineering	
		Rapid Prototyping and Tooling	Professional Elective
	PED19351	Tribology in Design	Liective
	PED19352	Robotics	
	PED19353	Fracture Mechanics	1
	PED19354	Reverse Engineering	
	PED19451	Multi-body Dynamics	
	PED19452	Condition Based Monitoring	
		Optimization Techniques in Design	
		- Familianous Leonardaes III Design	

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	PED19454	Design of Hydraulic and Pneumatic systems	
		Engineering Fracture Mechanics	1
	PED16452	Tribology in Design	1
	PED16453	Design of Heat exchanger	1
	PED16454	Applied Engineering Acoustics	1
		Productivity Management and Re-Engineering	1
	PED16552	Plasticity and Metal Forming	
	PED16553	Reverse Engineering	-
		Design of Material Handling Equipments	1
	PED16651	Design of Hydraulic and Pneumatic systems	-
		Theory of Plates and Shells	_
		Design of Pressure Vessel and Piping	-
	PED16654		-
M.E POWER	TED10034	Modal Analysis of Mechanical Systems	
SYSTEMS	PPS19151	Power Electronics for Renewable Energy Systems	0 51
ENGINEERING	PPS19152	Smart Grids	Open Elective
		High Power Converters	
		Wind and Solar Systems	1
	PMA19152	Mathematical Methods in Power Engineering	1
	PPS19251	Electrical Power Distribution System	1
		Analysis and Design of Power Converters	†
		Electric and Hybrid Vehicles	1
		Restructured Power Systems	1
		Advanced Digital Signal Processing	1
		Dynamics of Electrical Machines	1
	PPS19354	Solar and Energy Storage Systems	1
		Advanced Microcontroller Based Systems	1
	PPS19452	SCADA System and Application	1
	PPS19453	Power Quality	1
		Artificial Intelligence and its Application	1 .
		Analysis of Inverters	Professional
		Power System Security	Elective
		Linear and Non-Linear System Theory	
		High Voltage Direct Current Transmission	
	PPS16252	Power Quality Analysis	1
		Electrical Grounding	1
		Deregulation of Power System	1
	PPS16452	Distributed Generation and Micro grid	1
		Industrial Power System Analysis and Design	1
	PPS16551	Advanced Power System Dynamics	1
	PPS16551	Smart Grid Design and Analysis	1
			1
	PPS16553	Computer Aided Power Systems Analysis	-
	PPS16651	Applications of MEMS Technology	-
	PPE16652	VLSI Design Techniques	4
	PPE16653	Virtual Instrumentation Systems	D. C
M.E -STRUCTURAL		Theory of Plates	Professional
ENGINEERING	PSE19152	Advanced Concrete Technology	Elective

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	DCC10152	Th	
		Theory of Structural Stability	-
		Advanced Mathematical Methods	
	PSE19251	Structural Health Monitoring	
	PSE19252	Smart Structures and Smart Materials	
	PSE19253	Prefabricated Structures]
	PSE19254	Earthquake Resistant Design	1
	PSE19351	Advanced Steel Design	1
	PSE19352	Design of Formwork	1
	PSE19353	Design of High Rise Structures	1
		Non Linear Analysis of Structures	
		Design of Advanced concrete Structures	1
		Design of Sub Structures	1
		Experimental Techniques and Model Analysis	
		Design of Industrial Structures	
		Design of Prefabricated Structures	
		Theory of Plates	1
		Design of Shell Structures	1
	PSE16651		1
	PSE16652		1
		Cracks and Crack Control in Concrete Structures	
		Design of Steel Concrete Composite Structures	
		Mechanics of Composite Materials	
MACTED OF		Design of Power Plant Structures	
MASTER OF		Business Ethics and Corporate Governance	
BUSINESS		Event Management	
ADMINISTRATION		Total Quality Management	
9		Entrepreneurship Development	
		Project Management	
		Disaster Management	
		Integrated Marketing Communication	
		Services Marketing	
		Retail Management	
		Customer Relationship Management	
		Social Media Marketing	
		Rural Marketing	
	BA16F01		Professional
		Merchant Banking and Financial Services	Elective
	BA16F03		
	BA16F04		
	BA10F02	Micro Finance	
	BA16F06	International Trade Finance and Derivative	
	BA16H01	Management Managerial Rehavior	Е
	BA16H01		
	BA16H02		
	BA16H03		
	DA 101104	Strategic Human Resource Management and	
	BA16H05	Development	
	BA16H06		
	BA16S01		
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PRINCIPAL
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H-7. PACHAL Post, Namakkai De

		Advanced Database Management Systems	
	BA16S03	Software Project and Quality Management	
		Knowledge Management System	
	BA16S05	M – Commerce	
		Cloud Computing	*
		Supply Chain and Logistics Management	
	the same of the last of the la	Process Management	
		Product Design	
	BA16P04	Service Operations Management	
		Materials Management	
	BA16P06	Maintenance Management	
MASTER OF	CAE16401	Financial Accounting	
COMPUTER	CAE16402	Information Security	
APPLICATIONS	CAE16403	Network Protocols	
	CAE16404	Software Testing and Quality Assurance	
	CAE16405	Game Programming	
	CAE16406	Advanced Data Base	
	CAE16501	Linux Internals	
	CAE16502	High Performance Computing	
	CAE16503	Software Project Management	Professional
	CAE16504	Data Tuning and Administration	Elective
	CAE16505	Soft Computing	
	CAE16506	Ad hoc and Sensor Networks	
	CAE16507	Internet of Things	
	CAE16508	Machine Learning	
		Health Care Analytics	e
	CAE16510	Green Computing	
	CAE16511	Human Resource Management	
	CAE16512	Social Network Analysis	

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AAVAI ENGINEERING COLLEGE

7. PACHAL Post, Namakkal

1.2.2 - Additional Information - List of One Credit Course Offered				
Name of Programmes adopting one credit course system	Course Code	Course Name	Course Type	
B.E -AERONAUTICAL	AE16951	Computer Aided Design CATIA		
ENGINEERING	AE16952	Computer Aided Design CREO		
	AE16953	Computer Aided Design UNIGRAPHICS		
	AE16954	Computer Aided Design AUTOCAD		
	AE16955	Computer Aided Design SOLID WORKS		
	AE16956	Computer Aided Analysis ANSYS		
	AE16957	Computer Aided Analysis HYPERMESH	ONE CREDIT	
	AE16958	Computer Aided Analysis NASTRAN PATRAN	COURSE	
	AE16959	Computer Aided Analysis MATLAB		
	AE16960	Computer Aided Analysis FLUENT		
	AE16961	Non Destructive Testing		
	AE16962	NPTEL Certification		
	AE16963	UAV and MAV Certification		
	AE16964	NPTEL Certification Advanced Aircraft Maintenance		
B.E - CIVIL	CE16951	Building Planning and Vaasthu		
ENGINEERING	CE16952	Advanced Surveying using Total Station		
	CE16953	Building Valuation		
	CE16954	Structural Analysis and Design using Staad Pro		
	CE16955	Building Analysis and Design using E-Tabs	ONE CREDIT COURSE	
	CE16956	Building Information Modelling using Revit Architecture	COURSE	
	CE16957	Project Management using Primavera		
	CE16958	Tekla Structures		
	CE16959	Finite Element and Structural Analysis using NISA		
B.E - COMPUTER	CS16951	Amcat (Online Placement Aptitude Certification)		
SCIENCE AND	CS16952	e-litmus (Online Placement Aptitude Certification)		
ENGINEERING	CS16953	Nasscom nac-tech (Online Placement Aptitude Certification)		
	CS16954	I-pat (Online Placement Aptitude Certification)		
	CS16955	NPTEL / Swayam (Online courses)- Software Engineering		
	CS16956	NPTEL- Artificial Intelligence Search Methods for Problem Solving		
	CS16957	NPTEL-Computer Networks and Internet Protocol		
	CS16958	NPTEL-The joy of computing using python		
	CS16959	NPTEL-Programming in C++		
	CS16960	NPTEL-Programming, data structures and algorithm using python		
	CS16961	NPTEL-Machine Learning		
	CS16962	NPTEL-Introduction to Internet of Things		
	CS16963	Spoken Tutorial -Advanced C++	ONE CREDIT	
	CS16964	Spoken Tutorial- Java Business Application	COURSE	
	CS16965	Spoken Tutorial -Linux and Ubuntu		
	CS16966	Spoken Tutorial -BOSS Linux		
	CS16967	Spoken Tutorial -PHP and MySQL		
	CS16968	Oracle -SQL fundamentals		
	CS16969	Oracle -Java Fundamentals		
	CS16970	CCNA -Certification		
	C\$16071	SCJP / OCPJP -Sun Certified Java Programmer/ Oracle Certified		
	CS16971 CS16972	Professional Java Programmer Android application Development	_	
	CS16973	PC Hardware and Trouble shooting	\neg	
	CS16974	NPTEL-Big Data Computing	\neg	
	CS16975	NPTEL-Programming in Java		
	CS16976	NPTEL-Cloud Computing		

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PRINCIPAL
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EC16954 Basic Electronic Circuit Design using Multisim EC16955 MATLAB Programming EC16956 Software Defined Radio B.E. ELECTRICAL AND ELECTRONICS ENGINEERING EE16951 Best Maintenance Practices in Low Voltage Switchgear EE16952 Breaker Maintenance Workshop C-Power Air Circuit Breaker EE16953 Electrical Design of Switchgear Assembly EE16954 Power Distribution in Buildings EE16955 Selection and Application of Drives EE16956 Industrial Protection with Numerical Relays EE16957 Creating a Printed Circuit Board EE16958 Supervisory Control and Data Acquisition EE16959 Design of Control Circuits B.E MECHANICAL ENGINEERING ME16951 Non-Destructive Testing ME16952 CATIA ME16953 CNC Milling ME16954 SOLIDWORKS	NE CREDIT COURSE
CS16979 NPTEL-Ethical Hacking CS16980 NPTEL-Practical Machine learning with TensorFlow CS16981 NPTEL-Compiler Design CS16982 NPTEL-Data Science for Engineers CS16982 PC Hardware Assembling and Trouble shooting EC16951 EC16952 PC Hardware Assembling and Trouble shooting EC16953 CISCO Certified Network Associate ON EC16954 Basic Electronic Circuit Design using Multisim EC16955 MATLAB Programming EC16955 Software Defined Radio EE16955 Software Defined Radio EE16956 EE16956 EE16957 EE16958 EE16958 EE16958 EE16958 EE16958 EE16958 EE16959 Design of Control and Data Acquisition EE16959 Design of Control Circuits EE16959 EE16959 Design of Control Circuits EE16959 EE16959 CATIA ME16951 Non-Destructive Testing ME16952 CATIA ME16953 CNC Milling ME16954 SOLIDWORKS ME16955 Industrial Robotics ME16956 Industrial Automation ON The Industrial Automation ENDITOR	COURSE
CS16979 NPTEL-Ethical Hacking	COURSE
CS16981 NPTEL-Compiler Design CS16982 NPTEL-Data Science for Engineers B.E-ELECTRONICS AND COMMUNICATION ENGINEERING EC16951 Embedded Programming using ARDUINO EC16952 PC Hardware Assembling and Trouble shooting EC16953 CISCO Certified Network Associate EC16954 Basic Electronic Circuit Design using Multisim EC16955 MATLAB Programming EC16956 Software Defined Radio B.E- ELECTROLA AND ELECTRONICS ENGINEERING EE16951 Best Maintenance Practices in Low Voltage Switchgear EE16952 Breaker Maintenance Workshop C-Power Air Circuit Breaker EE16953 Electrical Design of Switchgear Assembly EE16954 Power Distribution in Buildings EE16955 Selection and Application of Drives EE16956 Industrial Protection with Numerical Relays EE16959 Design of Control Circuits B.E - MECHANICAL ENGINEERING B.E - MECHANICAL ME16951 Non-Destructive Testing ME16952 CATIA ME16953 CNC Milling ME16954 SOLIDWORKS ME16955 Industrial Robotics ME16956 Industrial Robotics ME16956 Industrial Automation	COURSE
CS16981 NPTEL-Compiler Design	COURSE
CS16982 NPTEL-Data Science for Engineers	COURSE
B.E-ELECTRONICS AND COMMUNICATION ENGINEERING EC16952 PC Hardware Assembling and Trouble shooting EC16953 CISCO Certified Network Associate EC16954 Basic Electronic Circuit Design using Multisim EC16955 MATLAB Programming EC16956 Software Defined Radio B.E-ELECTRICAL AND ELECTRONICS ENGINEERING EE16951 Best Maintenance Practices in Low Voltage Switchgear EE16952 Breaker Maintenance Workshop C-Power Air Circuit Breaker EE16953 Electrical Design of Switchgear Assembly EE16954 Power Distribution in Buildings EE16955 Selection and Application of Drives EE16956 Industrial Protection with Numerical Relays EE16957 Creating a Printed Circuit Board EE16958 Supervisory Control and Data Acquisition EE16959 Design of Control Circuits ME16951 Non-Destructive Testing ME16952 CATIA ME16953 CNC Milling ME16954 SOLIDWORKS ME16955 Industrial Robotics ME16956 Industrial Automation	COURSE
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EE16955 Selection and Application of Drives	
EE16956 Industrial Protection with Numerical Relays	NE CREDIT
EE16957 Creating a Printed Circuit Board	COURSE
EE16958 Supervisory Control and Data Acquisition	
EE16959 Design of Control Circuits	
ME16951 Non-Destructive Testing ME16952 CATIA ME16953 CNC Milling ME16954 SOLIDWORKS ME16955 Industrial Robotics ME16956 Industrial Automation ME16956	
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ME16954 SOLIDWORKS ME16955 Industrial Robotics ME16956 Industrial Automation	
ME16955 Industrial Robotics ME16956 Industrial Automation	NE CREDIT
ME16956 Industrial Automation	COURSE
ME16958 Computer Aided Reverse Engineering	
B.E - MECHATRONICS MT16951 Maintenance and troubleshooting of hydraulic system	
MT16952 SCADA certification	
MT16953 CAD Software - CATIA V5	
MT16954 PLC programming Certification Of	NE CREDIT
MT16955 Control of Motors Using Special Drives	COURSE
MT16956 Robot Programming Certification	
MT16957 Control Panel and Wiring	
B.E BIOMEDICAL BM16951 Embedded Programming using ARDUINO	
ENGINEERING BM16952 PC Hardware Assembling and Troubleshooting	
BM16953 Basic Electronic Circuit Design using Multisim	
D.M.COT.	NE CREDIT
United to the state of the stat	COURSE
BM16956 Open source programming using Linux	
BM16957 PCB Design using Cadence EDA Tool	
BM16958 Digital System Design using VHDL	
	NE CREDIT
	COURSE
CM16953 Introduction to Petrochemicals	
CM16954 Corrosion Engineering	
CM16955 Nanomaterials for Energy and Environmental	
CM16956 Outline to Biomaterials	
CM16957 Analysis for Characterization of Nanomaterials	

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DEAN - ACADEMICS
Paavai Engineering College
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Name of Programmes adopting one credit course system	Course Code	Course Name	Course Type
	CM16958	Pinch technology	
	CM16959	Physical Chemistry Of Polymers	
	CM16960	Polymeric Materials	
	CM16961	Fabrication Of Polymer Materials	
	CM16962	Experiments on Water Analysis	
B.TECH-INFORMATION	IT16951	Amcat (Online Placement Aptitude Certification)	
TECHNOLOGY	IT16952	e-litmus(Online Placement Aptitude Certification)	
	IT16953	Nasscom nas-tech(Online Placement Aptitude Certification)	
	IT16954	I-pat (Online Placement Aptitude Certification)	
	IT16955	NPTEL / Swayam (Online courses)	
	IT16956	Spoken Tutorial -Advanced C++	
	IT16957	Spoken Tutorial- Java Business Application	
	IT16958	Spoken Tutorial -Linux &Ubuntu	
	IT16959	Spoken Tutorial -BOSS Linux	ONE CREDIT
	IT16960	Spoken Tutorial -PHP & MySQL	COURSE
	IT16961	Oracle – SQL fundamentals	
	IT16962	Oracle – Java Fundamentals	
	IT16963	CCNA – Certification	
	IT16964	SCJP / OCPJP – Sun Certified Java Programmer / Oracle Certified Professional Java Programmer	
	IT16965	Android application Development	
	IT16966	PC Hardware and Trouble shooting	
	IT16967	Linux System Administration	
	IT16968	Cyber Security	

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