



E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai

(Accredited by NAAC with 'A' Grade and NBA)

Email: principal@egspec.orgwebsite: www.egspec.orgPh: 04365-251112

DEPARTMENT OF COMPUTER APPLICATIONS

1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the 2020-2021

Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)
2021-2022			
Advanced Data structures and Algorithms	2002CA102	Employability/Skill development::Tree structures, balanced search trees, sorting and indexing, Graphs	2021-2022
Computer Communications and Networks	2002CA103	Employability-Data link control ,Flow Control , Error Detection and Error Correction MAC – Ethernet, Token ring, Wireless LAN MAC, Blue Tooth	2021-2022
Advanced Databases	2002CA104	Employability/Skill Development: XML Databases: XML Data Model – DTD , XML Schema, Mobile Databases, Intelligent Databases	2021-2022
Python Programming	2002CA105	Employability; NumPy, NumPy Array- NumPy Side Effects- Subsetting NumPy Arrays	2021-2022
Software Engineering and Project Management	2002CA106	Employability /Entrepreneurship :Requirement Analysis ,Software Design and Testing, Software Project Planning	2021-2022
Life Skill I – Verbal Ability	2004CA109	Skill Development,Vocabulary Usage, Basic Grammar and Error Detection	2021-2022
Advanced data structures and algorithms laboratory	2002CA107	Skill Development: Stack ADT,4. Queue ADT, List ADT,6. BST,Quick sort algorithm,Hashing	2021-2022
Python programming laboratory	2002CA108	Skill Development: Linear search and Binary search, Selection sort, Insertion sort, Merge sort	2021-2022

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Advanced Java Programming	2002CA201	Employability:AWT package ,Servlet Configuration,JSP,Session Tracking	2021-2022
Mobile Technologies	2002CA202	Employability :Wireless transmission ,GSM,Mobile IP,Android Application	2021-2022
Data Mining Techniques	2002CA203	Employability:Association rule mining , Classification and prediction ,Clustering and cluster analysis in python,Open source data mining tools	2021-2022
Internet of Things	2002CA204	Employability:Raspberry Pi ,Arduino Software IDE ,Cloud for IoT	2021-2022
Professional Practice and Ethics	2002CA205	Employability:/Skill Development Debugging-Source Code	2021-2022
Software Testing	2003CA005	:Employability:Black box, white box testing and test adequacy,Levels of testing	2021-2022
Java and Web programming laboratory	2002CA206	Employability:/Skill Development JDBC and servlet,RMI application, URL class.	2021-2022
Mobile Application Development Laboratory	2002CA207	Skill Development,GUI components,Layout Managers,Android application	2021-2022
Life skill II - aptitude –I	2002CA208	Skill Development;Percentages, Profit And Loss	2021-2022
Cryptography and Network Security	2002CA301	Skill Development:Software Errors,Firewalls	2021-2022
Distributed Systems and Cloud Computing	2002CA302	EmployabilityVirtualization,AWS and Azure	2021-2022
Human Resource Management	2002CA303	:Employability:The concept of best fit employee,Training and executive developmen,sustaining employee interest	2021-2022
Data Analytics	2002CA304	Employability:HadoopFramework,R,Big Data Frameworks	2021-2022
Machine Learning Techniques	2003CA006	Employability::Tree and probabilistic models,Bayesian Networks	2021-2022
PHP Programming	2003CA012	:Employability::WAMP,PHP,MySQL	2021-2022

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Data Analytics Laboratory	2002CA305	New Course:Employability:Linear and logistic Regression ,SVM / Decision tree classification techniques ,clustering techniques	2021-2022
Distributed System and Cloud Laboratory	2002CA306	:Employability:Virtualbox/VMware Workstation	2021-2022
Technical Seminar and Report Writing	2004CA307	Employability	2021-2022
Life Skill III- Aptitude II	2004CA308	Skill Development	2021-2022
Project Work	2004CA401	employability/ entrepreneurship/ skill development	2021-2022
Software Testing	1702CA501	:Employability:Black box, white box testing and test adequacy,Levels of testing	2021-2022
Virtualization and Cloud Computing	1702CA502	:Employability:IAAS, PAAS, SAAS	2021-2022
Python Programming	1702CA503	Skill Development:Control flow, functions,list	2021-2022
Software Testing Laboratory	1702CA504	Skill Development:W:inRunner, LoadRunner, Rational Rose Test Suite, QTP, Selenium	2021-2022
Python Programming Laboratory	1702CA505	Skill Development::All Program	2021-2022
Internet of Things.	1703CA011	:Employability::Raspberry Pi,Arduino IDE,Cloud Storage for IoT	2021-2022
Intelligent Data Analysis	1703CA024	:Employability::Data Anaysis,Cluster Analysis,Classification and Prediction	2021-2022
Mini Project using .NET	1704CA506	employability/ skill development	2021-2022
Life Skill V- Competitive Exam Preparation	1704CA507	New Course :skill development Introduction to Number System, Basic Shortcuts of addition, Multiplication, Division	2021-2022
Project Work	1704CA601	New Course :employability/ entrepreneurship/ skill development	2021-2022
2020-2021			
Advanced Data structures and Algorithms	2002CA102	New Course :Employability/Skill development::Tree structures,balanced search trees, sorting and indexing,Graphs	2021-2022

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Computer Communications and Networks	2002CA103	New Course Employability-Data link control ,Flow Control , Error Detection and Error Correction MAC – Ethernet, Token ring, Wireless LAN MAC, Blue Tooth	2021-2022
Advanced Databases	2002CA104	New Course Employability/Skill Development:XML Databases: XML Data Model – DTD , XML Schema,Mobile Databases,Intelligent Databases	2021-2022
Python Programming	2002CA105	Employability;NumPy,NumPy Array-NumPy Side Effects-Subsetting NumPy Arrays	2021-2022
Software Engineering and Project Management	2002CA106	Employability /Entrepreneurship :Requirement Analysis ,Software Design and Testing,Software Project Planning	2021-2022
Life Skill I – Verbal Ability	2004CA109	Skill Development,Vocabulary Usage,Basic Grammar and Error Detection	2021-2022
Advanced data structures and algorithms laboratory	2002CA107	Skill Development: Stack ADT,4. Queue ADT, List ADT,6. BST,Quick sort algorithm,Hashing	2021-2022
Python programming laboratory	2002CA108	Skill Development:Linear search and Binary search,Selection sort, Insertion sort,Merge sort	2021-2022
Advanced Java Programming	2002CA201	Employability:AWT package ,Servlet Configuration,JSP,Session Tracking	2021-2022
Mobile Technologies	2002CA202	Employability :Wireless transmission ,GSM,Mobile IP,Android Application	2021-2022
Data Mining Techniques	2002CA203	Employability:Association rule mining , Classification and prediction ,Clustering and cluster analysis in python,Open source data mining tools	2021-2022
Internet of Things	2002CA204	Employability:Raspberry Pi ,Arduino Software IDE ,Cloud for IoT	2021-2022
Professional Practice and Ethics	2002CA205	Employability:/Skill Development Debugging-Source Code	2021-2022
Software Testing	2003CA005	Employability:Black box, white box testing and test adequacy,Levels of testing	2021-2022
Java and Web programming laboratory	2002CA206	Employability:/Skill Development JDBC and servlet,RMI application, URL class.	2021-2022
Mobile	2002CA207	Skill Development,GUI components,Layout Managers,Android	2021-2022

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Application Development Laboratory		application	
Life skill II - aptitude –I	2002CA208	Skill Development; Percentages, Profit And Loss	2021-2022
2020-2021			
Advanced Data structures and Algorithms	2002CA102	New Course :Employability/Skill development::Tree structures,balanced search trees, sorting and indexing,Graphs	2020-2021
Computer Communications and Networks	2002CA103	New Course Employability-Data link control ,Flow Control , Error Detection and Error Correction MAC – Ethernet, Token ring, Wireless LAN MAC, Blue Tooth	2020-2021
Advanced Databases	2002CA104	New Course Employability/Skill Development:XML Databases: XML Data Model – DTD , XML Schema,Mobile Databases,Intelligent Databases	2020-2021
Python Programming	2002CA105	New Course Employability;NumPy,NumPy Array-NumPy Side Effects-Subsetting NumPy Arrays	2020-2021
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Life Skill I – Verbal Ability	2004CA109	New Course Skill Development,Vocabulary Usage,Basic Grammar and Error Detection	2020-2021
Advanced data structures and algorithms laboratory	2002CA107	New Course: Skill Development: Stack ADT,4. Queue ADT, List ADT,6. BST,Quick sort algorithm,Hashing	2020-2021
Python programming laboratory	2002CA108	New Course:Skill Development:Linear search and Binary search,Selection sort, Insertion sort,Merge sort	2020-2021
Advanced Java Programming	2002CA201	New Course Employability:AWT package ,Servlet Configuration,JSP,Session Tracking	2020-2021
Mobile Technologies	2002CA202	New Course Employability :Wireless transmission ,GSM,Mobile IP,Android Application	2020-2021
Data Mining Techniques	2002CA203	New Course Employability:Association rule mining , Classification and prediction ,Clustering and cluster analysis in python,Open source data mining tools	2020-2021
Internet of Things	2002CA204	New Course :Employability:Raspberry Pi ,Arduino Software IDE ,Cloud for IoT	2020-2021

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Professional Practice and Ethics	2002CA205	New Course : Employability:/Skill Development Debugging-Source Code	2020-2021
Software Testing	2003CA005	New Course :Employability:Black box, white box testing and test adequacy,Levels of testing	2020-2021
Java and Web programming laboratory	2002CA206	New Course : Employability:/Skill Development JDBC and servlet,RMI application, URL class.	2020-2021
Mobile Application Development Laboratory	2002CA207	New Course :Skill Development,GUI components,Layout Managers,Android application	2020-2021
Data Mining Techniques	1702CA302	Employability:Association Rule Mining ,Classification and Prediction	2020-2021
Object Oriented Analysis and Design	1702CA303	Employability:software Quality	2020-2021
Web Programming	1702CA304	Employability:HTML,Cascading Style Sheet ,AJAX.LAMP,Mysql	2020-2021
Web Programming Laboratory	1702CA305	Employability:XML schema ,GUI, JDBC, Servlet, JSP/PHP,	2020-2021
CASE Tools Laboratory	1702CA306	Employability	2020-2021
Technical Seminar and Report Writing	1704CA307	Employability	2020-2021
Life Skill III- Aptitude I	1704CA308	Employability	2020-2021
Advanced Java Programming	1702CA401	Employability:AWT package ,Servlet Configuration,JSP,Session Tracking	2020-2021
Cryptography and Network Security	1702CA402	Skill Development:Viruses,Firewalls	2020-2021
Mobile Computing	1702CA403	Employability :Wireless transmission ,GSM,Mobile IP,Android Application	2020-2021
Advanced Java Programming Laboratory	1702CA404	Employability:/Skill Development JDBC and servlet,RMI application, URL class.	2020-2021
Mobile Application Development Laboratory	1702CA405	Skill Development,GUI components,Layout Managers,Android application	2020-2021

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Soft Skills Development Laboratory	1704CA406	Employability	2020-2021
Life Skill IV- Aptitude II	1704CA407	Employability	2020-2021
Software Testing	1702CA501	Employability:Black box, white box testing and test adequacy,Levels of testing	2020-2021
Virtualization and Cloud Computing	1702CA502	Employability:IAAS, PAAS, SAAS	2020-2021
Python Programming	1702CA503	Skill Development:Lists,packages,SQL Database	2020-2021
Software Testing Laboratory	1702CA504	Skill Development:WinRunner, LoadRunner, Rational Rose Test Suite, QTP, Selenium	2020-2021
Python Programming Laboratory	1702CA505	Skill Development:Pygame	2020-2021
Mini Project using .NET	1704CA506	Employability	2020-2021
Life Skill V- Competitive Exam Preparation	1704CA507	Employability	2020-2021
Project Work	1704CA601	Employability	2020-2021
2019-2020			
Problem Solving and C Programming	1702CA102	Skill Development:Pointer Variable Declarations and Initialization Operators , Uses - Pointer Expressions and Pointer Arithmetic – Relationship between Pointers and Arrays	2019-2020
Database Management Systems	1702CA103	Employability:SQL features – Embedded SQL – Dynamic SQL.	2019-2020
Data Structures	1702CA104	Skill Development:Tree structures,balanced search trees, sorting and indexing,Graphs	2019-2020
Life Skill I - Business English	1704CA108	Employability Environmental awareness Genetic Engineering people management time management - domain management communication skills	2019-2020
Computer Communications and Networks	1702CA201	Employability-Data link control ,Flow Control , Error Detection and Error Correction MAC – Ethernet, Token ring, Wireless LAN MAC, Blue Tooth	2019-2020

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Operating System Concepts	1702CA202	Employability,Memory Management , Swapping, Contiguous memory allocation Paging – Segmentation – Segmentation with paging	2019-2020
Software Engineering Methodologies	1702CA203	Employability:Coding , Programming Practice , Top-down and Bottom-up ,- structured programming	2019-2020
Design and Analysis of Algorithms	1702CA204	Employability-Graph algorithm, NP	2019-2020
Life Skill II- Verbal Ability	1704CA208	EmployabilityPartnership, Mixtures and Allegations, Problem on Ages, Simple Interest, Compound Interest	2019-2020
Data Mining Techniques	1702CA302	Employability:Association Rule Mining ,Classification and Prediction	2019-2020
Object Oriented Analysis and Design	1702CA303	Employability:software Quality	2019-2020
Web Programming	1702CA304	Employability:HTML,Cascading Style Sheet ,AJAX.LAMP,Mysql	2019-2020
Web Programming Laboratory	1702CA305	Employability:XML schema ,GUI, JDBC, Servlet, JSP/PHP,	2019-2020
CASE Tools Laboratory	1702CA306	Employability	2019-2020
Technical Seminar and Report Writing	1704CA307	Employability	2019-2020
Life Skill III- Aptitude I	1704CA308	Employability	2019-2020
Advanced Java Programming	1702CA401	Employability:AWT package ,Servlet Configuration,JSP,Session Tracking	2019-2020
Cryptography and Network Security	1702CA402	Skill Development:Viruses,Firewalls	2019-2020
Mobile Computing	1702CA403	Employability :Wireless transmission ,GSM,Mobile IP,Android Application	2019-2020
Advanced Java Programming Laboratory	1702CA404	Employability:/Skill Development JDBC and servlet,RMI application, URL class.	2019-2020
Mobile Application Development Laboratory	1702CA405	Skill Development,GUI components,Layout Managers,Android application	2019-2020

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Life Skill IV- Aptitude II	1704CA407	Employability	2019-2020
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Python Programming	1702CA503	Skill Development:Lists,packages,SQL Database	2019-2020
Software Testing Laboratory	1702CA504	Skill Development:W:inRunner, LoadRunner, Rational Rose Test Suite, QTP, Selenium	2019-2020
Python Programming Laboratory	1702CA505	Skill Development:Pygame	2019-2020
Mini Project using .NET	1704CA506	Employability	2019-2020
Life Skill V- Competitive Exam Preparation	1704CA507	Employability	2019-2020
Project Work	1704CA601	Employability	2019-2020
2018-2019			
Problem Solving and C Programming	1702CA102	Skill Development:Pointer Variable Declarations and Initialization Operators , Uses - Pointer Expressions and Pointer Arithmetic – Relationship between Pointers and Arrays	2018-2019
Database Management Systems	1702CA103	Employability:SQL features – Embedded SQL – Dynamic SQL.	2018-2019
Data Structures	1702CA104	Skill Development:Tree structures,balanced search trees, sorting and indexing,Graphs	2018-2019
Life Skill I - Business English	1704CA108	Employability Environmental awareness Genetic Engineering people management time management - domain management communication skills	2018-2019

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Computer Communication and Networks	1702CA201	Employability-Data link control ,Flow Control , Error Detection and Error Correction MAC – Ethernet, Token ring, Wireless LAN MAC, Blue Tooth	2018-2019
Operating System Concepts	1702CA202	Employability,Memory Management , Swapping, Contiguous memory allocation Paging – Segmentation – Segmentation with paging	2018-2019
Software Engineering Methodologies	1702CA203	Employability:Coding , Programming Practice , Top-down and Bottom-up ,- structured programming	2018-2019
Design and Analysis of Algorithms	1702CA204	Employability-Graph algorithm, NP	2018-2019
Life Skill II- Verbal Ability	1704CA208	EmployabilityPartnership, Mixtures and Allegations, Problem on Ages, Simple Interest, Compound Interest	2018-2019
Data Mining Techniques	1702CA302	Employability:Association Rule Mining ,Classification and Prediction	2018-2019
Object Oriented Analysis and Design	1702CA303	Employability:software Quality	2018-2019
Web Programming	1702CA304	Employability:HTML,Cascading Style Sheet ,AJAX.LAMP,Mysql	2018-2019
Web Programming Laboratory	1702CA305	Employability:XML schema ,GUI, JDBC, Servlet, JSP/PHP,	2018-2019
CASE Tools Laboratory	1702CA306	Employability	2018-2019
Technical Seminar and Report Writing	1704CA307	Employability	2018-2019
Life Skill III- Aptitude I	1704CA308	Employability	2018-2019
Advanced Java Programming	1702CA401	Employability:AWT package ,Servlet Configuration,JSP,Session Tracking	2018-2019
Cryptography and Network Security	1702CA402	Skill Development:Viruses,Firewalls	2018-2019
Mobile Computing	1702CA403	Employability :Wireless transmission ,GSM,Mobile IP,Android Application	2018-2019
Advanced Java Programming	1702CA404	Employability:/Skill Development JDBC and servlet,RMI application, URL class.	2018-2019

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Laboratory			
Mobile Application Development Laboratory	1702CA405	Skill Development, GUI components, Layout Managers, Android application	2018-2019
Soft Skills Development Laboratory	1704CA406	Employability	2018-2019
Life Skill IV- Aptitude II	1704CA407	Employability	2018-2019
Software Testing	1702CA501	Employability: Black box, white box testing and test adequacy, Levels of testing	2018-2019
Virtualization and Cloud Computing	1702CA502	Employability: IAAS, PAAS, SAAS	2018-2019
Python Programming	1702CA503	Skill Development: Lists, packages, SQL Database	2018-2019
Software Testing Laboratory	1702CA504	Skill Development: WinRunner, LoadRunner, Rational Rose Test Suite, QTP, Selenium	2018-2019
Python Programming Laboratory	1702CA505	Skill Development: Pygame	2018-2019
Mini Project using .NET	1704CA506	Employability	2018-2019
Life Skill V- Competitive Exam Preparation	1704CA507	Employability	2018-2019
Project Work	1704CA601	Employability	2018-2019
2017-2018			
Problem Solving and C Programming	1702CA102	Newcourse: Skill Development: Pointer Variable Declarations and Initialization Operators, Uses - Pointer Expressions and Pointer Arithmetic - Relationship between Pointers and Arrays	2017-2018
Database Management Systems	1702CA103	Newcourse: Employability: SQL features - Embedded SQL - Dynamic SQL.	2017-2018
Data Structures	1702CA104	Skill Development: Tree structures, balanced search trees, sorting and indexing, Graphs	2017-2018

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Life Skill I - Business English	1704CA108	Newcourse:Employability Environmental awareness Genetic Engineering people management time management - domain management communication skills	2017-2018
Computer Communications and Networks	1702CA201	Newcourse:Employability-Data link control ,Flow Control , Error Detection and Error Correction MAC – Ethernet, Token ring, Wireless LAN MAC, Blue Tooth	2017-2018
Operating System Concepts	1702CA202	Newcourse:Employability,Memory Management , Swapping, Contiguous memory allocation Paging – Segmentation – Segmentation with paging	2017-2018
Software Engineering Methodologies	1702CA203	Newcourse:Employability:Coding , Programming Practice , Top-down and Bottom-up ,- structured programming	2017-2018
Design and Analysis of Algorithms	1702CA204	Newcourse:Employability-Graph algorithm, NP	2017-2018
Life Skill II- Verbal Ability	1704CA208	Newcourse:EmployabilityPartnership, Mixtures and Allegations, Problem on Ages, Simple Interest, Compound Interest	2017-2018
Computer Networks	MC7301	Employability:DNS- SMTP – WWW –SNMP- Security	2017-2018
Embedded Systems	MC7302	Skill Development:Microprocessors,Embedded Systems,Socket Programming,Real Time Linux	2017-2018
Software Engineering	MC7303	Employability:software Testing and Maintance	2017-2018
Professional Ethics	MC7304	Employability:Intellectual Property Rights ,– Cyber	2017-2018
Internet Programming	MC7305	Skill Development :Package	2017-2018
Embedded Systems Laboratory	MC7311	Skill Development	2017-2018
Internet Programming Laboratory	MC7312	Skill Development	2017-2018
Visual Programming Laboratory	MC7313	Skill Development	2017-2018
Resource Management	MC7401	Skill Development :Queuing Models	2017-2018

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Techniques			
Object Oriented Analysis and Design	MC7402	Employability:Quality assurance And Testing	2017-2018
Data Warehousing and Data Mining	MC7403	Employability:Association Rule Mining ,Classification and Prediction	2017-2018
Network Programming	MC7404	Skill Development :UNIX OS	2017-2018
Security in computing	MC7005	Employability:Viruses,Security	2017-2018
Software Development-Case Tools Laboratory	MC7411	Skill Development	2017-2018
Network Programming Laboratory	MC7412	Skill Development	2017-2018
Technical Seminar and Report Writing	MC7413	Employability	2017-2018
Web Application Development	MC7501	Employability:Net framework ,ASP.Net	2017-2018
Service Oriented Architecture	MC7502	Employability:XML AND Web services,J2EE ,Cloud computing	2017-2018
Mobile computing	MC7503	Employability:Android Applicatio	2017-2018
Human Resource Management	MC7009	Employability:human resource planning,selection process,training	2017-2018
Software Project Management	MC7015	Employability :Project Evaluation,Risk Management	2017-2018
Advanced Internet Programming Laboratory	MC7511	Skill Development	2017-2018
XML and Web Services Laboratory	MC7512	Skill Development	2017-2018

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E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
(Accredited by NAAC with 'A' Grade and NBA)

Email: principal@egspec.org website: www.egspec.org Ph: 04365-251112

Mini Project (Socially Relevant)	MC7513	Employability	2017-2018
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Name of the Course	Course Code	Activities/Content with direct bearing on Employability	Activities/Content with direct bearing on Entrepreneurship	Activities/Content with direct bearing on Skill development	Year of introduction (during the last five years)
Life Skill I - Business English	1704CA108			✓	2020-2021
Life Skill II - Verbal Ability	1704CA208			✓	2020-2021
Technical Seminar and Report Writing	1704CA307	✓			2020-2021
Life Skill III - Aptitude I	1704CA308				2020-2021
Soft Skills Development Laboratory	1704CA406			✓	2020-2021
Life Skill IV - Aptitude II	1704CA407			✓	2020-2021
Mini Project using .NET	1704CA506		✓		2020-2021
Life Skill V - Competitive Exam Preparation	1704CA507			✓	2020-2021
Project Work	1704CA601		✓		2020-2021
Life Skill I - Verbal Ability	2004CA109			✓	2017-2018
Life Skill II - Aptitude I	2004CA208			✓	2017-2018

ATTESTED

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