

VISION OF THE DEPARTMENT

• Producing professionals and entrepreneurs with strong morals and ethics by strengthening students with content and skills of emerging technologies in Computer Science and Engineering for our nation building.

MISSION OF THE DEPARTMENT

M1: To lay solid foundation to acquire skills in developing software by research and innovation.

M2: To impart leadership qualities in the fields of their choicest interest and produce socially responsible engineers in this digitalized Society.



M.TECH COMPUTER SCIENCE AND ENGINEERING (CSE) PROGRAM EDUCATIONAL OBJECTIVES (PEO)

- **PEO-1:** To provide students with strong technical knowledge in Computer Science and Engineering and engage them in professional practice to promote the development in innovative systems.
- **PEO-2:** To develop students to excel in designing and problem solving skills.
- **PEO-3:** To enhance the knowledge levels of the students to adapt to new computing technologies and to conduct investigations of complex problems for professional excellence, leadership roles in research work and in developing Modern tools.
- **PEO-4:** To prepare students to contribute to society as educated, expressive, ethical and responsible citizens with proven expertise.



M.TECH COMPUTER SCIENCE AND ENGINEERING (CSE) PROGRAM OUTCOMES (PO)

- **PO-1:** Ability to independently carry out research/investigation and development work to solve practical problems.
- **PO-2:** Ability to write and present a substantial technical report/document.
- **PO-3:** Able to demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at higher level than the requirements in the appropriate bachelor program.
- **PO-4:** Ability to sustain and become an expert software engineer.

PROGRAM SPECIFIC OUTCOMES (PSO)

- **PSO-1:** Enable students to understand, analyze and develop software in various areas.
- **PSO-2:** To prepare students as responsible citizens with human values and ethics.
- **PSO-3:** To lay roadmap for successful career and entrepreneurship.



Course Ou	tcomes for M.Tec	h – CSE (CS) for the year 2018-19		
Course	Year/Semester	Subject Name (Subject Code)	No. of Hours	Credits:3
Outcome	I/I Sem	DATA STRUCTURES AND	L:3 T:0 P:	
		ALGORITHMS (M18CS01)		
After the c	ompletion of this o	course, the students should be able to		
1	Define knowledge	basic on data structures to store and retrieve	e an ordered or un	ordered data.
	Such as, arrays, lin	nked lists, trees, heaps, and hash tables.		
2	Develop knowled algorithms to perf	lge on applications of data structures hav orm operation as create, insert, delete, search	ing the ability to , and sorting.	o implement
3	Understand the ba	sic concepts of latest techniques.		
4	Have concepts on	tree and graphs.		
5	Implement various various operations	s projects on these data structures and Plan B	-Trees to impleme	ent different
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:3
Outcome	I/I Sem	DISTRIBUTED SYSTEMS (M18CS02)	L:3 T:0 P:	
After the c	ompletion of this o	course, the students should be able to	I	
1	Explain distribute	d system design and its properties.		
2	List the principles underlined along with its functionality.			
3	Implement proble	ms and challenges with these principles.		
4	Evaluate the effec	tiveness and shortcomings for solutions.		
5	Identify the princi	ples that are based on these contemporary dis	stributed systems.	
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:3
Outcome	I/I Sem	INTERNET OF THINGS (IoT)	L: 3 T: 0 P: 0	
		(PROGRAM ELECTIVE-I) (M18CS03)		
After the c	ompletion of this o	course, the students should be able to		1
1	Describe the basic	terminology, latest technology along with its	s applications.	
2	Discuss the protoc	cols based on the concepts such as machine to	machine.	
3	Illustrate the IOT	devices using Python Scripting Language.		
4	Develop an appli	cation with Raspberry PI platform which c	can be widely us	ed in many
	applications of Io			
0	Design a web app	Schingt Name (Schingt Carle)	No. of House	Creatite 2
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:5
Outcome	I/I Sem	ELECTIVE-I) (MS18CS04)	L: 3 T: 0 P: 0	
After the c	ompletion of this o	course, the students should be able to	I	
1	Discuss different a	application on Machine Learning problems.		
2	Describe various a	algorithms on Machine Learning mentioning	its strengths and v	veaknesses.
3	Illustrate the basic	theory focused on Machine Learning.		
4	Improve the perfo	rmance of Machine Learning algorithms with	n different parame	ters.
6	Understand the lat	test issues raised by current researchers.		
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:3
Outcome	I/I Sem	CLOUD COMPUTING	L: 3 T: 0 P: 0	
		(PROGRAM ELECTIVE-I) (M18CS05)		



After the c	ompletion of this o	course, the students should be able to		
1	Discuss main cond	Discuss main concepts, key strengths, and limitations for cloud computing.		
2	Develop the architecture along with specific infrastructure on cloud computing, including			
	SaaS, PaaS, IaaS,	public cloud, private cloud, hybrid cloud, etc		
3	Explain the issues	on cloud computing along with security, priv	vacy, and interope	rability.
4	Identify problems	, and explain, analyze, and evaluate various c	loud computing so	olutions.
5	Provide the approp	priate solutions on cloud computing based on	the application.	
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:3
Outcome	I/I Sem	DATA SCIENCE (PROGRAM	L: 3 T: 0 P: 0	
		ELECTIVE-II) (M18CS06)		
After the c	ompletion of this o	course, the students should be able to		
1	Describe a Data S	cience, skill sets available for a data scientist		
2	Understand Data S	Science Process and its components interact.		
3	Adapt APIs tools	to understand the Web data.		
4	Illustrate EDA and	d the Data Science as a case study.		
5	Plan an effective v	visualization on given data.		
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:3
Outcome	I/I Sem	ADVANCED WIRELESS AND	L: 3 T: 0 P: 0	
		MOBILE NETWORKS		
		(PROGRAM ELECTIVE-II)		
		(M18CS07)		
A fton the e	annalation of this	anne the students should be able to		
After the c	ompletion of this c	course, the students should be able to		
1	Discuss the state-o	of-the-art in network protocols, architectures	and applications.	
2	Analyze existing network protocols and networks.			
3	Develop new protocols on networking			
4	Describe novel ideas in the area of Networking via term-long research projects.			
5	Design a real time	applications on RFID	N. CIL	0 14 2
Course	Year / semester	SUDJECT NAME (SUDJECT CODE)	No. of Hours	Credits:3
Outcome	I/I Sem	(PROGRAM ELECTIVE.II)	L: 3 T: 0 P: 0	
		(M18CS08)		
After the c	ompletion of this o	course, the students should be able to	I	
1	Explain scripting	as well as contributions on scripting language	es.	
2	Discuss Python or	n regard as the object_oriented concepts,		
3	Design the different built_in objects of Python,			
4	Discuss advance	d applications such as TCP/IP network	programming, n	nultithreaded
	programming, We	b applications, discrete_ event simulations, et	с.	
5	Plan a Real Time	Web systems.	-	
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:2
Outcome	I/I Sem	KESEARCH METHODOLOCV(M18MC01)	L: 2 T: 0 P: 0	
After the e	ompletion of this s	ourse the students should be able to		
			1.	
1	Analyze different	research methodologies to identify the existing	ng literature.	



2	Demonstrate and distinguish various research designs and its methodologies to be apply on research project.			
3	Develop a questionare and comprehensive research methodology.			
4	Apply to understat	nd feasibility and practicality of research met	hodology on a pro	posed
5	Interpret the scope	e of patent rights and administration of patent	system.	
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:2
Outcome	I/I Sem	ENGLISH FOR RESEARCH PAPER	L: 2 T: 0 P: 0	
		WRITING (Audit Course-I) (M18AC01)		
After the c	completion of this c	course, the students should be able to		
1	Critically read and enhance their curr	analyze written texts that reflect on their prent and future learning.	revious writing ex	periences to
2	Interpret, summar drafting and revisi	ize and critique academic texts. Use a proc ng as well as to create different genres of aca	ess to write from demic texts.	planning to
3	Identify the element strategies to impro-	ents that are good in academic writing, app we.	bly it for revision	and editing
4	Illustrate a constructive peer feedback for writing process to provide constructive feedback on the writing of their peers			
5	Gain Knowledge	about National and International Journal	s and Publication	ns.
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:2
Outcome	I/I Sem	DATA STRUCTURES AND	L: 0 T: 0 P: 4	
		ALGORITHMS LAB		
		(M18CS09)		
After the c	completion of this c	course, the students should be able to		
1	Analyze algorithm	as effeciency.		
2	Summarize and in	plement various searching and sorting techn	iques.	
3	Demonstrate stack	, queue and linked list with various operation	18.	
4	Implement differe	nt trees and graphs concepts.		
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:2
Outcome	I/I Sem	INTERNET OF THINGS LAB(M18CS10)	L: 0 T: 0 P:4	
1	Demonstrate the s	tarting of Raspberry Pi and practice Linux co	mmands in comm	and
2	Develop and run a	Il basic python programs on Raspberry Pi		
3	Build real time ap	plications on Light an LED using Python pro	gramming	
4	Experiment with i	mplementation of intruder system and variou	s sensors like tem	perature,
	humidity, smoke.	r		,
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:2
Outcome	I/I Sem	Machine Learning Lab(M18CS10)	L: 0 T: 0 P:4	
1	Learn the basic al	porithms and techniques and their application	<u> </u>	
2	Learn beyond bing	sortimes and teeningues and their application	٥.	
2	Recognize and im	n y classification.		
<u> </u>	Construct algorith	ms to learn tree and rule-based models		
т	construct urgorith			



Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:2
Outcome	I/I Sem	CLOUD COMPUTING	L: 0 T: 0 P:4	
		LAB(Laboratory – II)		
		(M18CS10)		
After the c	ompletion of this c	course, the students should be able to		
1	Develop cloud applications using cloud platforms.			
2	Design high scala	ble cloud-based applications by create, config	gure private clouds	3.
3	Identify different	techniques of cloud in big data.		
4	Contrast and evalu	ate the key trade-offs on multiple approache	s to cloud system	design.
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:3
Outcome	I/II Sem	NETWORK	L: 3 T: 0 P: 0	
		PROGRAMMING(M18CS11)		
After the c	ompletion of this o	course, the students should be able to		
1	Determine Linux	utilities.		
2	Identify file handl	ing techniques and signals.		
3	Explain what is IP	C and network programming in Java.		
4	Learn how process	ses communicate with each other across a Co	mputer Network.	
5	Implement Real T	ime and current trends in client server Applic	ation.	•
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:3
Outcome	I/II Sem	SOFT COMPUTING	L: 3 T: 0 P: 0	
		TECHNIQUES(M18CS12)		
A 64 41				
After the c	ompletion of this c	course, the students should be able to		
1	Understand the fu	zzy logic, concepts of fuzziness involved in f	uzzy set theory.	
3	Build the fundame	ental theory, concepts of neural networks.		
4	Identify different neural network architectures, algorithms, applications along their limitations.			
5	Classify different	learning rules, architectures to learn several non	eural network para	idigms along
6	Deploy different a	upplications of these models to solve engineer	ing	
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:3
Outcome	I/II Sem	COMPUTER VISION/PROGRAM	L • 3 T • 0 P • 0	
	I/II Jein	ELECTIVE III) (M18CS13)	1.51.01.0	
		ELECTIVE-III) (MIOCSIS)		
After the c	ompletion of this o	course, the students should be able to		
1	Elaborate develop	ment of algorithms and techniques.		
2	Apply the fundam	nental concepts on multi-dimensional signal	processing, featur	e extraction,
	pattern analysis vi	sual geometric modeling, stochastic optimiza	tion etc.	
3	Take part to make	up and contribute in research developments i	n the field of com	puter vision.
4	Explain different	applications ranging from Biometrics, M	Medical diagnosis	s, document
	processing, mining	g of visual content, to surveillance, advanced	rendering etc.	
5	Identify application	ons In-vehicle vision system		
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:3
Outcome	I/II Sem	Data Preparation and	L: 3 T: 0 P: 0	
		Analysis(PROGRAM ELECTIVE-III)		
After the a	ompletion of this ((MICOLA)	<u>I</u>	<u> </u>
	ompication of this (ourse, the students should be able to		



1	Work for a busine	Work for a business environment dealing with data preparation.		
2	Prepare data marts	s for statistical analysis using SAS software.		
3	Implement SAS w	ith an efficient.		
4	Analyze data from databases to clean the data for statistical analysis in SAS.			
5	Develop many strategies to deal with imperfect real world data.			
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:3
Outcome	I/II Sem	DIGITAL FORENSICS(PROGRAM	L: 3 T: 0 P: 0	
		ELECTIVE–III) (M18CS15)		

After the completion of this course, the students should be able to

1	Discuss digital forensics related to investigative process.			
2	Explain the legal issues to prepare, perform digital forensic analysis based on the investigator's			
	position.			
3	Demonstrate the te	echniques, usage of digital forensics tools.		
4	Analyze the state	of the practice, gaps in technology, policy, an	d legal issues.	
5	Develop technique	es used on Data Analysis, cybercrime		
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:3
Outcome	I/II Sem	DISTRIBUTED DATABASES	L: 3 T: 0 P: 0	
		(PROGRAM ELECTIVE-IV)		
		(M18CS16)		
After the c	ompletion of this o	course, the students should be able to		
1	Describe various	techniques used for data fragmentation, rep	olication, and allo	ocation for a
	distributed databa	se.		
2	Evaluate simple strategies for executing a distributed query optimization.			
3	Describe distribute	ed concurrency control.		
4	Illustrate techniqu	es based on the distinguished voting methods		
5	Learn different typ	bes of Heterogeneous Database System		
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:3
Outcome	I/II Sem	HUMAN COMPUTER	L: 3 T: 0 P: 0	
		INTERACTION (PROGRAM		
		ELECTIVE-IV) (M18CS17)		
After the c	ompletion of this o	course, the students should be able to		
1	Discuss the charac	cteristics of graphical and web user interfaces		
2	Understand the pr	inciples of design of business function.		
3	Demonstrate the s	ystem menus and screen based controls		
4	Adapt the goals an	nd conceptualization interaction.		
5	Evaluate the frame	ework, predictive models and prototypes.		
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:3
Outcome	I/II Sem	SOFTWARE PROCESS AND	L: 3 T: 0 P: 0	
		PROJECT MANAGEMENT		
		(PROGRAM ELECTIVE-IV)		
		(M18CS18)		
		(11100510)		
After the c	ompletion of this o	course, the students should be able to		
1	Discuss and plan t	o execute projects based on required standard	ls.	
2	Understand the ran	nge of tools used on project management.		



3	Analyze the concepts related on project governance and methodologies.			
4	Describe planning, Risk and issues management.			
5	Plan process, prag	Plan process, pragmatic planning service delivery and quality assurance.		
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:0
Outcome	I/II Sem	STRESS MANAGEMENT (AUDIT	L: 2 T: 0 P: 0	
		COURSE-III) (M18MC02)		
After the c	completion of this o	course, the students should be able to		
1	Maintain a stress effects.	awareness log. Include identification of caus	es, symptoms, and	d analysis of
2	Gather information	n on current stress management techniques ar	nd evaluate persona	al relevance.
2		1	1 0	
3	Practice specific to	echniques, track effectiveness, and revise to r	neet personal pref	erences.
4	techniques.	le stress management plan for academic succ	ess incorporating s	selected
5	Analyze to improv	ve the self development skills.	NT CTT	
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:2
Outcome	I/II Sem	LAB(M18CS19)	L: 0 T: 0 P: 4	
After the c	completion of this o	course, the students should be able to	·	
1	Understand the co	ncepts of Socket commands.		
2	Implement Conne	ction-Oriented Service using standard ports.		
3	Define Connectionless and Connection Oriented Service.			
4	Plan a case study on client and server and construct a Remote Command Execution using sockets.			
Course	Year /semester	Subject Name (Subject Code) No. of	Hours	
Outcome	Credits:2			
		I	L:0 T: 0 P:	l
	I/II Sem COMPI	TFR VISION LAR(M18CS20)	4	
1	Demonstrate awar	reness of the current key research issues in co	mputer vision	
2	Analyse and desig	in a range of algorithms for image processing	and computer vis	ion
3	Develop and evalu	ate solutions to problems in computer vision		
4	Implement basic I	mage Processing algorithms.		
Course	Year /semester	Subject Name (Subject Code)	No. of Hours	Credits:2
Outcome	I/II Sem	DATA PREPARATION AND	L: 0 T: 0 P:4	
		ANALYSIS LAB(M18CS20)		
After the c	completion of this c	course, the students should be able to		
1	Study Various Da	ta Cleaning, Transformation and Visualization	on Techniques	
2	Choose Appropria	te Data Cleaning Methods	*	
3	Select and apply d	ata Transformation & Visualization		
4	Discover & Visual	ize the features in Sample data Set using Var	ious tools & Tech	niques
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:2
Outcome	I/II Sem	DIGITAL FORENSICS LAB	L: 0 T: 0 P:4	
		(M18CS20)		
After the c	completion of this o	course, the students should be able to		
1	Analyze various c	omputer forensics systems.		



2	Illustrate the methods for data recovery, evidence collection and data seizure.			
3	Summarize duplication and preservation of digital evidence.			
4	Evaluate the effec	tiveness of available digital forensics tools.		
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:2
Outcome	I/II Sem	Mini Project (M18CS21)	L:0 T:0 P:2	
1	Perceive, plan and	execute a mini project as an individual or in	a team in develop	ment of
	mini project		*	
2	Prepare a technical report based on the Mini project.			
3	Develop effective	Develop effective communication skills for presentation of mini project related activities		
4	Demonstrate techn	Demonstrate technical seminar based on the Mini Project work carried out.		
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:3
Outcome	I/III Sem	SEMANTIC WEB AND	L: 3 T: 0 P: 0	
		SOCIALNETWORKS(PROGRAM		
		ELECTIVE –V) (M18CS22)		
After the c	ompletion of this o	course, the students should be able to		
1	Perceive the conce	ept structure of the semantic web technology a	and how this tech	nology
	revolutionizes the	World Wide Web and its uses.		
2	Analyze the conce	epts of metadata, semantics of knowledge and	l resource, ontolo	gy, and their
	descriptions in XN	AL-based syntax and web ontology language	(OWL).	
3	Use ontology engi	neering approaches in semantic applications		
4	Program semantic applications with Java API			

•	1 rogram bemanne	applications with but a fill it.		
5	Perceive the cond	cept structure of the semantic web technological	ogy and how this	s technology
	revolutionizes the	World Wide Web and its uses.		
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:3
Outcome	I/III Sem	MOBILE APPLICATION AND	L: 3 T: 0 P: 0	
		SECURITY(PROGRAM ELECTIVE-		

V) (M18CS23) After the completion of this course, the students should be able to 1 Explain the mobile issues and development strategies.

1	Explain the mobile issues and development strategies.				
2	Discuss WAP and mobile security issues.				
3	Define the Blueto	oth security issues.			
4	Classify the SMS	Security issues.			
5	Demonstrate and o	develop application on the Enterprise Securi	ty on the Mobile (DS.	
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:3	
Outcome	I/III Sem	COMPILER FOR HPC (PROGRAM	L: 3 T: 0 P: 0		
		ELECTIVE-V) (M18CS24)			
After the c	completion of this c	course, the students should be able to			
1	Transform algorithms in the computational area to efficient programming code for modern				
	computer architec	computer architectures;			
2	Discuss, organise	Discuss, organise and handle programs for scientific computations;			
3	Develop tools for performance optimisation and debugging;				
4	Analyse code with	Analyse code with respect to performance and suggest and implement performance			
	improvements.	improvements.			
5	Report on perform	ance analysis in clear and correct writing.			



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Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:3
Outcome	I/III Sem	ADVANCED OPTIMIZATION	L: 3 T: 0 P: 0	
		TECHNIQUES (OPEN ELECTIVE)		
		(M18MA01)		
After the o	completion of this o	course, the students should be able to		
1	Describe problem	clearly, identify and analyze the individual	functions.	
2	Analyze study on	Analyze study on solving optimization problem.		
3	Translate verbal f	Translate verbal formula on optimization problem.		
4	Design algorithms	s, reliably to find an approximate solution.		
5	Discovery, study,	understand and solve optimization techniqu	es using algorithm	ıs.
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:3
Outcome	I/III Sem	WASTE MANAGEMENT (OPEN	L: 3 T: 0 P: 0	
		ELECTIVE)		
		(M18CE27)		
After the o	completion of this o	course, the students should be able to		
1	Evaluate the subje	ect from the technical, legal and economical	points .	
2	Learn solid waste	management.		
3	Describe environr	nent for sound management.		
4	Plan a solid waste	management system for decision makers.		
5	Design an inciner	ation facility.		
Course	Year / semester	Subject Name (Subject Code) EMBEDDED SYSTEM DESIGN	No. of Hours	Credits:3
Outcome	I/III Sem	(OPEN ELECTIVE)(M18VL07)	L: 3 T: 0 P: 0	
After the co	mpletion of this co	ourse, the students should be able to		
1	Describe embedde	d systems, design, technology to explain it	s metrics or challer	nges.
2	Design custom sing	gle – purpose processors using combination	al as well as seque	ntial logic.
3	Discuss about optin	Discuss about optimizing single – purpose processors. Discuss about the basic architecture and		
	operation of genera	l purpose processors.		
4	Define and disting	uish between a timer and a counter, various	s types of timers a	nd Universal
	Asynchronous Receiver/ Transmitter. Explain controllers for LCD, Keypad and Stepper Motor.			
	- ·			
5	Discuss common	memory types ROM, RAM, advanced	RAM. Explain m	hicroprocessor
C	interfacing and art	outration methods, various protocols like ser	ial, parallel.	C 14 10
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:10
Outcome	I/III Sem	DISSERTATION PHASE-I(M18CS25)	L: 0T: 0 P:20	
After the co	mpletion of this co	ourse, the students should be able to		
1	Define the problem	l.		
2	Find a problem.			
3	Motivate the team.			
4	Discuss with team	and theoretical concepts		
5	Demonstrate the re	auirements		
6	Integrate the ideas			
7	Choose appropriate	e methodology		
8	Infer different hype	othesis and questions		
Course	Year / semester	Subject Name (Subject Code)	No. of Hours	Credits:16
Outcome	I/IV Sem	DISSERTATION PHASE-II(M18CS26)	L · OT · O P·32	
			L. VI. VI.J4	



After the	completion of this course, the students should be able to
1.	Communicate it clearly
2.	Summarize the background literature
3.	Outline the various research methods.
4.	Propose a solution to the problem.
5.	Apply the methods according to the needs.
6.	Select and collect the data.
7.	Conduct the response ethically
8.	Analyze the empirical data.



VAAGDEVI COLLEGE OF ENGINEERING

UGC-Autonomous Bollikunta, Khila Warangal (Mandal), Warangal Urban-506 005 (T.S), www.vaagdevi.edu.in DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING