



Programme Specifications

B. Tech. Programme

Programme:
Electronics and communication
Engineering

Department:
Electronics and communication
Engineering

Faculty of Engineering & Technology
M.S. Ramaiah University of Applied Sciences

COURSE SPECIFICATIONS: ELECTRONIC AND COMMUNICATION ENGINEERING

Faculty	Engineering and Technology (FET)
Department	Electronics and Communication Engineering
Course	Electronics and Communication Engineering
Dean of Faculty	Prof. M. Arulanantham
Head of Department	Prof. Raghavendra V. Kulkarni

1	Title of the Award B.Tech. in Electronics and Communication Engineering
2	Modes of Study Full Time
3	Awarding Institution /Body M.S. Ramaiah University of Applied Sciences
4	Joint Award Not Applicable
5	Teaching Institution Faculty of Engineering and Technology, M.S. Ramaiah University of Applied Sciences
6	Date of Course Specifications June 2019
7	Date of Course Approval by the Academic Council of MSRUAS Jul 2019
8	Next Review Date: May 2023
9	Course Approving Regulating Body and Date of Approval --
10	Course Accredited Body and Date of Accreditation --
11	Grade Awarded by the Accreditation Body --
12	Course Accreditation Validity --
13	Course Benchmark N/A
14	<p>Rationale for the Programme</p> <p>The theoretical developments that occurred in previous centuries in understanding electromagnetic fields and material properties have ushered the growth in the domain of Electronics and Communication during the first half of twentieth century. The second half has seen innovation and novelty in chip technology and telecommunication. Communication technology has resulted in a major societal revolution in developing countries such as India. There is a need for highly trained manpower in the domain of Electronics and Communication engineering. Good outcome-based undergraduate engineering education is critical in developing human resources.</p> <p>The National Association of Software and Services Companies (NASSCOM) study, conducted in 2010 and titled “Global Engineering Research and Development: Accelerating Innovation with Indian Engineering”, underlined the significance for India as the country has posted a revenue growth of about 40% during 2007-2010 and is expected to grow in coming years.</p>

	<p>The Electronics and Communication Engineering programme at Faculty of Engineering and Technology at MSRUAS has been developed by the members of the faculty based on their teaching experience and long standing interactions with various universities and industries in India and abroad.</p> <p>The outcome-based curriculum helps students to develop critical thinking abilities and imbibe relevant practical skills for a smooth transition from academics to real-life work environments. Opportunities are provided for the students to do their internship in India or abroad depending on their preferences.</p> <p>The Global Innovation 1000, reported in 2012, by management consulting firm Booz & Company has indicated that R & D investment in Computing, Electronics, Tele-communication is about 30% by top innovative companies making this sector a leader. The importance of technological advancements in electronics could also be seen in other categories such as Automobile, Process industries, etc. Expertise needs to be built for the design, analysis, simulation, testing and evaluation of analog, digital, control, instrumentation, and communication systems. In the light of above, knowledge of computer architectures and communication protocols is required. Outcome based undergraduate programme along with modern pedagogy is the need of the hour.</p> <p>The programme provides strong foundation in basic concepts, followed by comprehensive understanding of electrical, electronics, and communication courses. Emphasis is laid on simulation, and larger perspective of systems and sub-systems of electronic products. Students are trained to develop life-long skills to understand, analyse, and develop solutions for challenging technological problems.</p> <p>There is a shortage of quality electronics and communication graduates in spite of many institutions offering undergraduate programmes. The FET at MSRUAS would like to offer Electronics and Communication Engineering programme to produce imaginative, creative and innovative engineers to solve the problems of the society.</p>
15	<p>Programme Mission</p> <p>The purpose of the programme is to create innovative problem solvers in multi-disciplinary settings, entrepreneurs and leaders that apply their knowledge, understanding, cognitive abilities, practical skills and transferable skills gained through systematic, flexible and rigorous learning in the chosen academic domain.</p>
16	<p>Graduate Attributes</p> <ol style="list-style-type: none"> 1. Ability to apply knowledge of mathematics, science, and Engineering fundamentals to solve complex problems in engineering 2. Ability to analyse engineering problems, interpret data and arrive at meaningful conclusions involving mathematical inferences 3. Ability to design an engineering system, component, or process to meet desired needs considering public health and safety, and the cultural, societal, and environmental considerations 4. Ability to understand and solve complex engineering problems by conducting experimental investigations 5. Ability to apply appropriate tools and techniques and understand utilization of resources appropriately to complex engineering activities 6. Ability to understand the effect of engineering solutions on legal, cultural, social and public health and safety aspects 7. Ability to develop sustainable solutions and understand their effect on society

	<p>and environment</p> <ol style="list-style-type: none"> 8. Ability to apply ethical principles to engineering practices and professional responsibilities 9. Ability to work as a member of a team, to plan and to integrate knowledge of various engineering disciplines and to lead teams in multidisciplinary settings 10. Ability to make effective oral presentations and communicate technical ideas to a broad audience using written and oral means 11. Ability to lead and manage multidisciplinary teams by applying engineering and management principles 12. Ability to adapt to the changes and advancements in technology and engage in independent and life-long learning
17	<p>Programme Goal</p> <p>The programme goal is to produce graduates with critical, analytical and problem solving skills, and ability to think independently, to pursue a career in Electronic and Communication Engineering.</p>
18	<p>Programme Objectives</p> <p>The Electronic and Communication Engineering programme imparts knowledge in signal processing, network analysis, control systems, electromagnetic fields, communication systems and electronic devices. Students are taught theoretical aspects, problem-solving, analytical modeling, simulation and analysis to study the behavior of electronic circuits and communication systems. Students are trained in practical aspects of analog/digital circuits, instrumentation, electronic devices and programming. In addition, students are trained on personal development and interactive skills with professionals and feel for society.</p> <p>The objectives of the programme are:</p> <ol style="list-style-type: none"> 1. To impart knowledge on electronic and communication systems 2. To enhance the understanding of the underlying principles of electronic and communication systems 3. To develop abilities to design analog and digital system/controllers to meet the required specifications 4. To develop abilities to model, simulate and analyse the characteristics of electronic signals and systems 5. To train on industry standard simulation tools for simulation and analysis of electronic systems 6. To impart training on instrumentation, test and measurement 7. To build and test electronic systems 8. To impart training on professional ethics, history, economics, social sciences and interactive skills relevant to professional practice 9. To provide a general perspective and opportunities for a career in industry, business and commerce
19	<p>Programme Intended Learning Outcomes</p> <p>The intended learning outcomes are listed under four headings:</p> <ol style="list-style-type: none"> 1. Knowledge and Understanding, 2. Cognitive skills 3. Practical skills and 4. Capability / Transferable skills. <p>Knowledge and Understanding</p> <p>After undergoing this programme, a student will be able to-</p> <p>KU1: Identify and describe the various electronic and communication systems</p>

<p>KU2: Explain the principles of electromagnetism and circuit theory as applied to electronic and communication systems</p> <p>KU3: Explain the principles of signal processing and control systems</p> <p>KU4: Compare the architectures and working principles of various microcontrollers and processors</p> <p>Cognitive Skills</p> <p>After undergoing this programme, a student will be able to-</p> <p>CS1: Design analog and digital electronic circuits</p> <p>CS2: Model, simulate and analyse electronic and communication sub-systems</p> <p>CS3: Apply the principles of electromagnetism to analyse transmission lines and waveguides in microwave communication</p> <p>CS4: Apply software reference models for the development of electronic systems</p> <p>Practical Skills</p> <p>After undergoing this programme, a student will be able to:</p> <p>PS1: Build analog and digital electronic circuits</p> <p>PS2: Test and measure analog and digital signals using measurement devices</p> <p>PS3: Implement algorithms on microprocessors and microcontrollers</p> <p>PS4: Test microwave devices and measure antenna radiation patterns</p> <p>Capability Skills / Transferrable Skills</p> <p>After undergoing the programme, a student will be able to-</p> <p>TS1: Manage information, develop technical reports and make presentations</p> <p>TS2: Build, Manage and Lead a team to successfully complete a project and communicate across teams and organizations to achieve professional objectives</p> <p>TS3: Work under various constraints to meet project targets</p> <p>TS4: Adopt to the chosen profession by continuously upgrading his/her knowledge and understanding through Life-long Learning philosophy</p>

20

Programme Structure
Semester: 1, Physics Cycle

Sl. No.	Code	Course Title	Theory (h/W/S)	Tutorials (h/W/S)	Practical (h/W/S)	Total Credits	Max. Marks	
1	18BSC101A	Engineering Mathematics-1	3	2	0	4	100	
2	18BSC102A	Engineering Physics	3	2	0	4	100	
3	18ESC101A	Elements of Mechanical Engineering	3	0	0	3	100	
4	18ESC102A	Elements of Electronics Engineering	3	2	0	4	100	
5	18ESC103A	Engineering Drawing	1	0	4	3	100	
6	18BSL103A	Engineering Physics Laboratory	0	0	2	1	50	
7	18ESL104A	Basic Workshop Practice	0	0	2	1	50	
8	18ESL105A	Basic Electronics Laboratory	0	0	2	1	50	
9	18HST101A	Elements of Social Sciences and Ethics	2	0	0	2	50	
Total			15	6	10	23	700	
Total number of contact hours per week			31 hours					
Number of credits can be registered			Minimum	18	Maximum	23		

Semester: 2, Chemistry Cycle

Sl. No.	Code	Course Title	Theory (h/W/S)	Tutorials (h/W/S)	Practical (h/W/S)	Total Credits	Max. Marks	
1	18BSC104A	Engineering Mathematics - 2	3	2	0	4	100	
2	18BSC105A	Engineering Chemistry	3	0	0	3	100	
3	18ESC106A	Engineering Mechanics and Construction Materials	3	2	0	4	100	
4	18ESC107A	Elements of Electrical Engineering	3	2	0	4	100	
5	18ESC108A	Elements of Computer Science and Engineering	3	2	0	4	100	
6	18ESL109A	Computer Programming Laboratory	0	0	2	1	50	
7	18BSL106A	Engineering Chemistry Laboratory	0	0	2	1	50	
8	18ESL110A	Basic Electrical Engineering Laboratory	0	0	2	1	50	
9	18HST102A	Professional Communication	2	0	0	2	50	
Total			17	8	6	24	700	
Total number of contact hours per week			31 hours					
Number of credits can be registered			Minimum	20	Maximum	24		

Semester: 1 Chemistry Cycle							
Sl. No.	Code	Course Title	Theory (h/W/S)	Tutorials (h/W/S)	Practical (h/W/S)	Total Credits	Max. Marks
1	18BSC101A	Engineering Mathematics-1	3	2	0	4	100
2	18BSC105A	Engineering Chemistry	3	0	0	3	100
3	18ESC106A	Engineering Mechanics and Construction Materials	3	2	0	4	100
4	18ESC107A	Elements of Electrical Engineering	3	2	0	4	100
5	18ESC108A	Elements of Computer Science and Engineering	3	2	0	4	100
6	18BSL109A	Engineering Chemistry Laboratory	0	0	2	1	50
7	18ESL106A	Basic Electrical Laboratory	0	0	2	1	50
8	18ESL110A	Computer Programming Laboratory	0	0	2	1	50
9	18HST102A	Professional Communication	2	0	0	2	50
Total			17	8	6	24	700
Total number of contact hours per week			31 hours				
Number of credits can be registered			Minimum	20	Maximum	24	
Semester : 2, Physics Cycle							
S. No.	Code	Course Title	Theory (h/W/S)	Tutorials (h/W/S)	Practical (h/W/S)	Total Credits	Max. Marks
1	18BSC104A	Engineering Mathematics-2	3	2	0	4	100
2	18BSC102A	Engineering Physics	3	2	0	4	100
3	18ESC101A	Elements of Mechanical Engineering	3	0	0	3	100
4	18ESC102A	Elements of Electronics Engineering	3	2	0	4	100
5	18ESC103A	Engineering Drawing	1	0	4	3	100
6	18BSL103A	Engineering Physics Laboratory	0	0	2	1	50
7	18ESL104A	Basic Workshop Practice	0	0	2	1	50
8	18ESL105A	Basic Electronics Laboratory	0	0	2	1	50
9	18HST101A	Elements of Social Science	2	0	0	2	50
Total			15	6	10	23	700
Total number of contact hours per week			31 hours				
Number of credits can be registered			Minimum	18	Maximum	23	

Semester: 3

Sl. No.	Code	Course Title	Theory (h/W/S)	Tutorials (h/W/S)	Practical (h/W/S)	Total Credits	Max. Marks
1	19MTB201A	Engineering Mathematics-3	3	1	0	4	100
2	19ECC202A	Signals and Systems	3	1	0	4	100
3	19ECC203A	Electronic Circuits	3	1	0	4	100
4	19ECC204A	Network Analysis and Synthesis	3	1	0	4	100
5	19ECC205A	Digital Logic Design	3	1	0	4	100
6	19ECL206A	Electronic Circuit Design Laboratory	0	0	2	1	50
7	19ECL207A	Digital Logic Design Laboratory	0	0	2	1	50
8	19CEM210A	Environmental Studies	2	0	0	0	Audit
Total			17	5	04	22	600
Total Number of Contact Hours per week			26				
Number of Credits can be registered			Minimum	17	Maximum	22	

Semester: 4

Sl. No.	Code	Course Title	Theory (h/W/S)	Tutorials (h/W/S)	Practical (h/W/S)	Total Credits	Max. Marks
1	19MTB211A	Engineering Mathematics-4	3	1	0	4	100
2	19ECC212A	Linear Integrated Circuits	3	1	0	4	100
3	19ECC213A	Electromagnetic Theory	3	1	0	4	100
4	19ECC214A	Microprocessors and Microcontrollers	3	1	0	4	100
5	19ECC215A	Measurement and Instrumentation	2	1	0	3	100
6	19ECL216A	Linear Integrated Circuit Laboratory	0	0	2	1	50
7	19ECL217A	Microprocessors and Microcontrollers Laboratory	0	0	2	1	50
Total			14	5	04	21	600
Total Number of Contact Hours per week			23				
Number of Credits can be registered			Minimum	21	Maximum	21	

Semester: 5

Sl. No.	Code	Course Title	Theory (h/W/S)	Tutorials (h/W/S)	Practical (h/W/S)	Total Credits	Max. Marks
1	19ECC301A	Analog Communication	3	1	0	4	100
2	19ECC302A	Digital Signal Processing	3	1	0	4	100
3	19ECC303A	HDL Programming	3	1	0	4	100
4	19ECC304A	Microwave Engineering	3	1	0	4	100
5	19ECC305A	Control Systems	3	1	0	4	100
6	19ECL306A	Analog Communication Laboratory	0	0	2	1	50
7	19ECL307A	Digital Signal Processing Laboratory	0	0	2	1	50
8	19ECL308A	Engineering Economics and Cost Estimation for Electronic Engineers	2	0	0	2	50
Total			17	5	4	24	650
Total Number of Contact Hours per week			26				
Number of Credits can be registered			Minimum	21	Maximum	26	

Semester: 6

Sl. No.	Code	Course Title	Theory (h/W/S)	Tutorials (h/W/S)	Practical (h/W/S)	Total Credits	Max. Marks
1	19ECC311A	Information Theory and Coding	3	1	0	4	100
2	19ECC312A	Digital Communication	3	1	0	4	100
3	19ECC313A	Antenna and Propagation	3	1	0	4	100
4	19ECC314A	Computer Networks	3	1	0	4	100
5	19ECE31XA	Professional Core Elective-1	3	0	0	3	100
6	19ECL315A	Digital Communication Laboratory	0	0	2	1	50
7	19ECL316A	Antenna and Microwave Laboratory	0	0	2	1	50
8	19ECP517A	Seminar	0	1	0	1	50
Total			15	5	4	22	650
Total Number of Contact Hours per week			24				
Number of Credits can be registered			Minimum	19	Maximum	24	

Semester: 7

Sl. No.	Code	Course Title	Theory (h/W/S)	Tutorials (h/W/S)	Practical (h/W/S)	Total Credits	Max. Marks	
1	19ECE41XA	Professional Core Elective-2	3	0	0	3	100	
2	19ECE42XA	Professional Core Elective-3	3	0	0	3	100	
3	19ECE43XA	Professional Core Elective-4	3	0	0	3	100	
4	19ECO401A	Open Elective-1	3	0	0	3	100	
5	19ECP402A	Project Work-1 Or	0	0	12	6	100	
	19ECP403A	Internship					100	
Total			12	0	12	18	600	
Total Number of Contact Hours per week			24					
Number of Credits can be registered			Minimum	15	Maximum		18	

Note: Internship can be in any Industry, Business, University or Research organization in India or abroad

Semester: 8

Sl. No.	Code	Course Title	Theory (h/W/S)	Tutorials (h/W/S)	Practical (h/W/S)	Total Credits	Max. Marks	
1	19ECO411A	Open Elective-2	3	0	0	3	50	
2	19ECP412A	Project Work-2	0	0	20	10	100	
Total			3	0	20	13	150	
Total Number of Contact Hours per week			23					
Number of credits can be registered			Minimum	10	Maximum		13	

Professional Core Electives (PCE):

Stream		Biomedical Signal and Image Processing	VLSI and Embedded Systems	Communication Theory	Signal and Image Processing	Intelligent Systems
PCE-1 Sem. 6	Course Code	19ECE311A	19ECE312A	19ECE313A	19ECE314A	19ECE315A
	Course Title	Biomedical Signal Processing	Embedded Systems and IoT	Statistical Signal Processing	Image Processing	Computational Intelligence
PCE-2 Sem. 7	Course Code	19ECE321A	19ECE322A	19ECE323A	19ECE324A	19ECE325A
	Course Title	Biomedical Image Processing	Programmable Logic Design using FPGA	Optical Communication	DSP Architecture	Artificial Neural Networks
PCE-3 Sem. 7	Course Code	19ECE331A	19ECE332A	19ECE333A	19ECE334A	19ECE335A
	Course Title	Principles of Medical Imaging	Electronic Board Design	Wireless Communication	Speech Processing	Machine Learning
PCE-4 Sem. 7	Course Code	19ECE341A	19ECE342A	19ECE343A	19ECE344A	19ECE345A
	Course Title	Biomedical Instrumentation	CMOS IC Design	RADAR Systems OR Satellite Communication	Multimedia Processing	Data Sciences Algorithms and Applications

Note: Totally student needs to select a professional core elective course during 6th Semester and one course from PCE-1 Group must be selected.

	<p>Note: Totally student needs to select three professional core elective courses during 7th Semester and one course each from PCE-2, PCE-3 and PCE-4 Groups must be selected.</p> <p>Open Electives: A number of electives from faculty of engineering, management and commerce, art and design, hospitality management and catering technology, pharmacy, dental sciences as mentioned in university website. Students can choose the open electives on their own choice.</p>																																																												
21	<p>Course Delivery As per the Time Table</p>																																																												
22	<p>Teaching and Learning Methods</p> <ol style="list-style-type: none"> 1. Face to Face Lectures using Audio-Visuals 2. Workshops, Group Discussions, Debates, Presentations 3. Demonstrations 4. Guest Lectures 5. Laboratory work /Field work / Workshop 6. Industry Visit 7. Seminars 8. Group Exercises 9. Project Work 10. Project Exhibitions 11. Technical Festivals 																																																												
23	<p>Assessment and Grading</p> <ol style="list-style-type: none"> 1. Every course will be assessed for a weight of 100% 2. For the courses having 100% theory <p>There are two components-Component-1 and Component-2</p> <p>Component-1 (CE) carries a weight of 50% and Component -2 (SEE) carries a weight of 50%</p> <p>Component-1 (CE): 50% weight</p> <p>The course leader will indicate the mode of assessment in consultation and approval of the respective HoD and the faculty Dean, before commencement of the semester.</p> <p>The template for weightage of CE and SEE in percentages for each theory course is indicated in Table below.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ILO No.</th> <th rowspan="2">Intended Learning Outcome</th> <th colspan="3">CE (Weightage: 50 %)</th> <th>SEE</th> </tr> <tr> <th>Assessment Type</th> <th>Comp-1a</th> <th>Comp-1b</th> <th>Comp-1c</th> <th>(Weightage: 50 %)</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>Comp Weightage (%)</td> <td>xx</td> <td>Xx</td> <td>xx</td> <td>Sem End Exam</td> </tr> <tr> <td>1</td> <td>ILO-1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>ILO-2</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>ILO-3</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>ILO-4</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>ILO-5</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td>ILO-6</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>CE – can be from any combination of the following:</p>	ILO No.	Intended Learning Outcome	CE (Weightage: 50 %)			SEE	Assessment Type	Comp-1a	Comp-1b	Comp-1c	(Weightage: 50 %)			Comp Weightage (%)	xx	Xx	xx	Sem End Exam	1	ILO-1						2	ILO-2						3	ILO-3						4	ILO-4						5	ILO-5						6	ILO-6					
ILO No.	Intended Learning Outcome			CE (Weightage: 50 %)			SEE																																																						
		Assessment Type	Comp-1a	Comp-1b	Comp-1c	(Weightage: 50 %)																																																							
		Comp Weightage (%)	xx	Xx	xx	Sem End Exam																																																							
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5	ILO-5																																																												
6	ILO-6																																																												

Assignments, term Tests, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, others, if any.

Component - 2 (SEE): 50% weight

A 3 hour duration Semester End Examination will be conducted for a maximum of 100 marks and will be reduced to 50% weight.

A student is required to score a minimum of 40% marks in Semester end examination and 40% marks overall in each theory course.

3. For Laboratory/ Practical courses

Total Marks : 50

Component 1(CE) : Laboratory Report: 50% Weight

Component 2(SEE) Semester End Examination: 50% Weight

A 3 hour duration Semester End Examination will be conducted for a maximum of 50 marks.

The course leader will indicate the mode of assessment in consultation and approval of the respective HoD and the faculty Dean, before commencement of the semester.

The template for weightage of CE and SEE in percentages for each course is indicated in Table below.

ILO No.	Intended Learning Outcome	Assessment Type	CE (Weightage: 50 %)				SEE (Weightage: 50 %):
			Conduction of Lab Exercises)	(Viva)	(Lab Record Submission)	(Lab Test)	SEE
			Comp Weightage (%)				50
1	ILO-1						
2	ILO-2						

A student is required to score a minimum of 40% marks in Semester end examination and 40% marks overall in each laboratory course.

4. For courses with a combination of theory and laboratory

There are two components-Component-1 and Component-2

Component-1 (CE) carries a weight of 50% and Component -2 (SEE) carries a weight of 50%.

Component-1 (CE): 50% weight

The course leader will indicate the mode of assessment in consultation and approval of the respective HoD and the faculty Dean, before commencement of the semester.

The template for weightage of CE and SEE in percentages for each course is indicated in Table below.

ILO No.	Intended Learning Outcome	CE (Weightage: 50 %)				SEE
		Assessment Type	Comp-1a	Comp-1b	Comp-1c Lab	(Weightage: 50 %)
						SEE
		Comp Weightage (%)	xx	xx	xx	50
1	ILO-1					
2	ILO-2					
3	ILO-3					
4	ILO-4					
5	ILO-5					
6	ILO-6					

CE – can be from any combination of the following:

Assignments, term Tests, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, others,

A 3 hour duration Semester End Examination will be conducted for a maximum of 100 marks and will be reduced to 50 marks.

A student is required to score a minimum of 40% marks in Semester end examination and 40% marks overall in each theory course.

- Other flexibilities (exceptions) as per the programme regulations.

24	<p>Attendance</p> <p>A minimum of 80% attendance is compulsory to appear for semester end examinations. Condoning of attendance shortage is as per the Academic Regulations of B.Tech. Programme.</p>
25	<p>Award of Class</p> <p>As per the Academic Regulations of B.Tech. Programme</p>
26	<p>Student Support for Learning</p> <ol style="list-style-type: none"> Course Notes Reference Books in the Library Magazines and Journals Internet Facility Computing Facility Laboratory Facility Workshop Facility Staff Support Lounges for Discussions Any other support that enhances their learning
27	<p>Quality Control Measures</p> <ol style="list-style-type: none"> Review of Course Notes Review of Question Papers and Assignment Questions Student Feedback Moderation of Assessed Work Opportunities for students to see their assessed work Review and Audit by external examiners Staff Student Consultative Committee meetings Student exit feedback

