

NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution Affiliated to Anna University of Technology Tirunelveli)

K.R.NAGAR, KOVILPATTI – 628 503



MINUTES OF THE FIRST ACADEMIC COUNCIL

Date: 11.07.11

Time: 11.00AM

Venue: Conference Hall of the Administrative Block

NATIONAL ENGINEERING COLLEGE
(An Autonomous Institution)

MINUTES OF THE FIRST MEETING OF THE ACADEMIC COUNCIL HELD ON
11.07.2011

The First meeting of the Academic Council was held at 11.00 A.M on 11.07.2011 at the Conference Hall of the Administrative Block under the Chairmanship of Dr.P.Subburaj, Principal

Members Present

1. Dr.B.Sankara Gomathi
2. Dr.D.Ravindran
3. Dr.V.Vijayarangan
4. Dr.D.Manimegalai
5. Dr.B.Paramasivan
6. Dr.A.Abudhahir
7. Dr.M.Willjuice Iruthayarajan
8. Prof.S.Rammurthy
9. Dr.M.A.Neelakandan
10. Dr.K.Manisekar
11. Dr. A. Shenbagavalli

P. Subburaj
11/7/11

B. Sankara Gomathi
11/7/11

D. Ravindran
11/7/11

V. Vijayarangan
11/7/11

D. Manimegalai
11/7/11

B. Paramasivan
11/7/11

A. Abudhahir
11/7/11

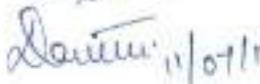
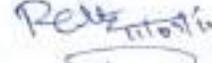
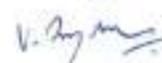
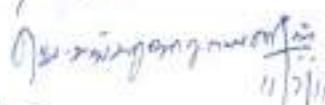
M. Willjuice Iruthayarajan
11/7/11

S. Rammurthy
11/7/11

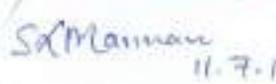
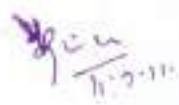
M. A. Neelakandan
11/7/11

K. Manisekar
11/7/11

A. Shenbagavalli
11/7/11

- 12. Dr. K.G.Srinivasagan 
- 13. Mrs.D.Santhi 
- 14. Ms. K.Vijayasree 
- 15. Ms. P.Gomathy 
- 16. Dr.A.K.Pattabiraman 
- 17. Mr.R.Dhamodaran 
- 18. Dr.S.Shanmugavel 
- 19. Dr.V.Jayabalan 
- 20. Dr.V.Sankaranarayanan 
- 21. Mrs.G.Devi 
- 22. Mr.N.Saravanan 
- 23. Mrs.S.Sahaya Elsi 
- 24. Mr. I.Jackson Daniel 

Special Invitee

- 25. Dr.Kn.K.S.K.Chockalingam 
- 26. Dr.S.L.Mannan 
- 27. Dr.V.Seenivasagam 

I. The First meeting of the Academic Council National Engineering College (An Autonomous Institution) held on 11.07.2011, started with the welcome address by the Chairman of the Academic Council, welcoming the members and Special invities of the Academic Council. Dean (Academic) outlined the various agenda items to be presented and briefed about the Business to be carried out in the Council meeting.

II. BUSINESS BROUGHT FORWARD BY THE BOARD OF STUDIES

D.S : DEPARTMENT OF SCIENCE AND HUMANITIES

DS 01.01 TO CONSIDER and approve the Rules and Regulations - 2011 for B.E./B.Tech Degree programmes to be followed from the Academic Year 2011-2012.

RESOLVED TO approve the Rules and Regulations - 2011 for B.E./B.Tech Degree programmes to be followed from the Academic Year 2011 - 2012 with the modifications as per the **Annexure-I** attached herewith.

DS 01.02 TO CONSIDER and approve the Curriculum & Syllabi of First year First Semester B.E / B.Tech Degree Programmes.

RESOLVED TO approve the Curriculum & Syllabi of First year First Semester B.E / B.Tech Degree Programmes.

DM: DEPARTMENT OF MECHANICAL ENGINEERING

DM 01.01 TO CONSIDER and approve the Rules and Regulations for M.E./M.Tech Degree programmes to be followed from the Academic Year 2011-2012.

RESOLVED TO approve the Rules and Regulations for M.E./M.Tech Degree programmes to be followed from the Academic Year 2011-2012 with the modification as per the **Annexure-II** attached herewith.

DM 01.02 **TO CONSIDER** and approve the Curriculum & Syllabi of First Semester M.E. Energy Engineering as passed in the meeting of Board of Studies in M.E held on 05.07.2011 for the Academic year 2011-2012.

RESOLVED TO approve the Curriculum & Syllabi of First Semester M.E. Energy Engineering as passed in the meeting of Board of Studies in M.E held on 05.07.2011 for the Academic year 2011-2012 with the suggestions to include some more latest Edition books as text / reference books.

DM 01.03 **TO CONSIDER** and approve PART TIME / DAY TIME M.E. Energy Engineering course. Selection of three subjects per semester may be made after the admission.

RESOLVED TO approve PART TIME / DAY TIME M.E. Energy Engineering course. Selection of three subjects per semester may be made after the admission.

DM 01.04 **TO CONSIDER** and approve the Curriculum & Syllabi of First Semester M.Tech Production Engineering as passed in the meeting of Board of Studies in M.E held on 05.07.2011 for the Academic year 2011-2012.

RESOLVED TO passed the Curriculum & Syllabi of First Semester M.Tech Production Engineering as passed in the meeting of Board of Studies in M.E held on 05.07.2011 for the Academic year 2011-2012.

DM 01.05 **TO CONSIDER** and approve PART TIME / DAY TIME M.Tech Production Engineering course. Selection of three subjects per semester may be made after the admission.

RESOLVED TO approve PART TIME / DAY TIME M.Tech Production Engineering course. Selection of three subjects per semester may be made after the admission.

DC: DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DC 01.01 TO CONSIDER and approve the Curriculum & Syllabi of First Semester M.E. Computer Science and Engineering.

RESOLVED TO approve the Curriculum & Syllabi of First Semester M.E. Computer Science and Engineering.

DC 01.02 TO CONSIDER and approve PART TIME / DAY TIME M.E. Computer Science and Engineering course. Selection of three subjects per semester may be made after the admission.

RESOLVED TO approve PART TIME / DAY TIME M.E. Computer Science and Engineering course. Selection of three subjects per semester may be made after the admission.

DC 01.03 TO CONSIDER and approve the Curriculum & Syllabi of First Semester Master of Computer Applications (M.C.A).

RESOLVED TO approve the Curriculum & Syllabi of First Semester Master of Computer Applications (M.C.A).

DEC : DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DEC 01.01 TO CONSIDER and approve the Curriculum & Syllabi of First Semester M.E. Communication Systems.

RESOLVED TO approve the Curriculum & Syllabi of First Semester M.E. Communication Systems.

DEC 01.02 TO CONSIDER and approve PART TIME / DAY TIME M.E. Communication Systems. Selection of three subjects per semester may be made after the admission.

RESOLVED TO approve PART TIME / DAY TIME M.E. Communication Systems. Selection of three subjects per semester may be made after the admission.

DE : DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DE 01.01 TO CONSIDER and approve the Curriculum & Syllabi of First Semester M.E. High Voltage Engineering.

RESOLVED TO approve the Curriculum & Syllabi of First Semester M.E. High Voltage Engineering.

DE 01.02 TO CONSIDER and approve PART TIME / DAY TIME M.E. High Voltage Engineering. Selection of three subjects per semester may be made after the admission.

RESOLVED TO approve PART TIME / DAY TIME M.E. High Voltage Engineering. Selection of three subjects per semester may be made after the admission.

DI : DEPARTMENT OF INFORMATION TECHNOLOGY

DI 01.01 TO CONSIDER and approve the Curriculum & Syllabi of First Semester M.E. Computer and Communication.

RESOLVED TO approves the Curriculum & Syllabi of First Semester M.E. Computer and Communication.

DI 01.02 TO CONSIDER and approve PART TIME / DAY TIME M.E Computer and Communication. Selection of three subjects per semester may be made after the admission.

RESOLVED TO approve PART TIME / DAY TIME M.E Computer and Communication. Selection of three subjects per semester may be made after the admission.

DCI : DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

DCI 01.01 TO CONSIDER and approve the Curriculum & Syllabi of First Semester M.E Control and Instrumentation.

RESOLVED TO approve the Curriculum & Syllabi of First Semester M.E Control and Instrumentation.

DCI 01.02 TO CONSIDER and approve PART TIME / DAY TIME M.E Control and Instrumentation. Selection of three subjects per semester may be made after the admission.

RESOLVED TO approve PART TIME / DAY TIME M.E Control and Instrumentation. Selection of three subjects per semester may be made after the admission.

III. NOMINATION OF BOS MEMBERS

01.1 TO APPROVE the external members nominated for various Board of Studies.

RESOLVED TO approve the External members nominated for various Board of Studies.

IV. ANY OTHER MATTER

01.2 **TO CONSIDER** and approve the introduction of Relative Grade System for UG/ PG Degree Courses.

RESOLVED TO Consider the introduction of Relative Grade System in Subsequent years.

01.3 **TO CONSIDER** the introduction of Break System instead of existing Go - through system.

RESOLVED TO consider the introduction of Break System later.

ANNEXURE I

Modifications in Regulations – 2011 for UG Programmes

Details of Paragraph in draft Regulation	As approved
2 QUALIFICATIONS FOR ADMISSION	
<p>The candidates seeking admission for the first semester of eight semester B.E/B.Tech. Degree program should have passed the Higher Secondary Examination in the academic stream with Mathematics, Physics and chemistry as main subjects of study conducted by the Government of Tamilnadu or an examination accepted by the syndicate of Anna University as equivalent there to. They should also satisfy other eligibility rules as prescribed by the Anna University and Director of Technical Education, Chennai, from time to time.</p>	<p>2.1 The candidates seeking admission for the first semester of eight semester B.E/B.Tech. Degree program should have passed the Higher Secondary Examination in the academic stream with Mathematics, Physics and chemistry as main subjects of study conducted by the Government of Tamilnadu or an examination accepted by the syndicate of Anna University as equivalent there to. They should also satisfy other eligibility rules as prescribed by the Anna University and Director of Technical Education, Chennai, from time to time.</p> <p style="text-align: center;">(OR)</p> <p style="text-align: center;">Should have passed the Higher Secondary Examination of Vocational Stream (Vocational groups in Engineering / Technology) as prescribed by the Government of Tamil Nadu.</p> <p>2.2 Lateral entry admission</p> <p>(i) The candidates who possess the Diploma in Engineering / Technology awarded by the State Board of Technical Education, Tamil Nadu or its equivalent are eligible to apply for admission to the third semester of B.E. / B.Tech. in the branch corresponding to the branch of study.</p> <p style="text-align: center;">(OR)</p>

	<p>(ii) The candidates who possess the Degree in Science (B.Sc.) (10+2+3 stream) with Mathematics as a subject at the B.Sc. level are eligible to apply for admission to the third semester of B.E. / B.Tech.</p> <p>Such candidates shall undergo two additional Engineering subject(s) in the third and fourth semesters or fourth and six semesters respectively as prescribed by the respective Faculty.</p>
<p>4.0 DURATION OF THE PROGRAMMES AND SEMESTERS</p>	
<p>4.1 The duration for the B.E. / B.Tech. Degrees shall extend over a period of Eight (8) consecutive semesters for the candidates admitted in the first semester.</p>	<p>4.1 The duration for the B.E. / B.Tech. Degrees programmes shall be period of Eight (8) semesters and Six (6) semesters for the lateral entry candidates for these candidates who are admitted in the first semester.</p>
<p>5.0 ATTENDANCE REQUIREMENTS FOR COMPLETION OF A SEMESTER</p>	
<p>5.1 A candidate who has fulfilled the following conditions shall be deemed to have satisfied the requirements for completion of a semester:</p> <ul style="list-style-type: none"> a. He/she has earned not less than 60% of attendance in each course in that semester and not less than 75% of attendance on an average in all the courses in that semester put together, b. His/her progress has been satisfactory, and c. His/her conduct has been satisfactory. 	<p>5.1 A candidate who has fulfilled the following conditions shall be deemed to have satisfied the requirements for completion of a semester:</p> <ul style="list-style-type: none"> a. He/she shall earned not less than 75% of attendance in each course in that semester and not less than 75% of attendance on an average in all the courses put together in that semester. b. His/her progress shall be satisfactory, and c. His/her conduct shall be satisfactory.
<p>5.2 Students who have earned less than 60% attendance in any individual course of the semester are not deemed to have completed the semester. Students who have earned less than 65% attendance on an average in all the</p>	<p>5.2 Students who have earned less than 75% attendance in any individual course of the semester are not deemed to have completed the semester.</p> <p>Students who have earned less than 75% attendance</p>

<p>courses of that semester are not deemed to have completed the semester.</p>	<p>on an average in all the courses of that semester, are deemed as not completed the semester.</p>
<p>5.3 However, a candidate who could secure 60% attendance (without considering any leave) in any individual course and an average attendance between 65% and 74% (without considering any leave) in all the courses in the current semester due to medical reasons (hospitalization / accident / specific illness) or due to participation in the College / University / State / National / International level Sports events with prior permission from the Principal / competent authority shall be given exemption from the prescribed attendance requirement and he/she shall be permitted to appear for the current semester examinations.</p>	<p>5.3 A candidate who secures 65% attendance (without considering any leave) in any individual course and an average attendance between 65% and 74% (without considering any leave) in all the courses put together in the current semester due to medical reasons (hospitalization / accident / specific illness) or due to participation in the College / University / State / National / International level Sports events with prior permission from the Principal / competent authority shall be given exemption from the prescribed attendance requirement and he/she shall be permitted to appear for the semester examinations.</p>
<p>8.0 SYSTEM OF EXAMINATION</p>	
<p>8.2.1 For all theory and practical courses other than project work, the continuous internal assessment will carry 20 marks while the Terminal examination will carry 80 marks.</p> <p>8.2.2 For project work, the continuous internal assessment will carry 40 marks while the Terminal examination will carry 160 marks (see also 10.4.1).</p>	<p>8.2.1 For all theory and practical courses other than project work, the continuous internal assessment shall carry 30 and 40 marks respectively while the end semester examinations shall carry 70 and 60 marks for theory and practical respectively.</p> <p>8.2.2 For project work, the continuous internal assessment shall carry 80 marks while the end semester examinations shall carry 120 marks.</p>

9.0 PROCEDURE FOR AWARDING MARKS FOR INTERNAL ASSESSMENT	
<p>9.1 For all theory and practical courses, the continuous assessment shall be for a maximum of 20 marks (consisting of 15 marks for tests/experiments and 5 marks for attendance) and for project work, the continuous assessment shall be for a maximum of 40 marks (consisting of 35 marks for project assessment by three periodical reviews and 5 marks for attendance).</p> <p>a) Theory Courses</p> <p>Three tests each carrying 100 marks shall be conducted during the semester by the Department concerned. The total marks obtained in all tests put together out of 300, shall be proportionately reduced for 15 marks and rounded to the nearest integer (This also implies equal weightage to all the three tests).</p> <p>b) Practical Courses</p> <p>Every practical exercise/experiment shall be evaluated based on the exercise/experiment prescribed as per the syllabi and the records of work done maintained. There shall be at least one test during the semester.</p>	<p>9.1 For all theory courses, the continuous assessment shall be for a maximum of 30 marks (consisting of 25 marks for tests / assignments / seminar / Quizzes and 5 marks for attendance). For all Practical Courses, the continuous assessment shall be for a maximum of 40 marks (consisting of 30 marks for viva, conducting experiments and 10 marks for attendance). For project work, the continuous assessment shall be for a maximum of 80 marks (consisting of 70 marks for project assessment by three periodical reviews and 10 marks for attendance).</p> <p>a) Theory Courses</p> <p>Three Assessments each carrying 100 marks shall be conducted during the semester by the Staff / Department concerned. The total marks obtained in all three assessments put together, out of 300 shall be proportionately reduced for 25 marks and rounded to the nearest integer (This also implies equal weightage to all the three assessments).</p> <p>b) Practical Courses</p> <p>Every practical course shall be evaluated based on the exercise/ experiment / viva prescribed as per the syllabi, the records of work done maintained. There shall be at least one test during the semester.</p>

9.2 Attendance

The remaining 5 marks for attendance shall be awarded as given below:

Theory and Practical courses and Project Work

- 76% to 80% of attendance - 1 mark
- 81% to 85% of attendance - 2 marks
- 86% to 90% of attendance - 3 marks
- 91% to 95% of attendance - 4 marks
- 96% to 100% of attendance - 5 marks

The marks for attendance shall be awarded as given below:

Attendance	Marks	
	For Theory	For Practicals & Project work
75% to 80% of attendance	2	4
81% to 85% of attendance	3	6
86% to 90% of attendance	4	8
91% to 100% of attendance	5	10

9.3 Every teacher is required to maintain an 'ATTENDANCE AND ASSESSMENT RECORD' which consists of attendance marked in each lecture or practical or project work class, the test marks and the record of class work (topic covered), separately for each course. This should be submitted to the Head of the department periodically (at least three times in a semester) for checking the syllabus coverage and the records of test marks and attendance.

9.3. Each Staff member shall maintain an 'ATTENDANCE AND ASSESSMENT RECORD' which consists of attendance marked for each lecture / practical / project work class, the test marks and the record of class work (topic covered), separately for each course. This should be submitted to the Head of the department periodically (at least three times in a semester) for checking the syllabus coverage and the records of **Continuous assessments** and attendance.

9.6 AWARD OF LETTER GRADES

9.6.2. Gradesheet

$$GPA = \frac{\text{Sum of } [C * GP]}{\text{Sum of } C}$$

9.6.2 Gradesheet

$$GPA = \frac{\text{Sum of [Credits acquired} \times \text{GradePoints]}}{\text{Sum of Credits Registered}}$$

$$CGPA = \frac{\sum_{i=1}^n C_i \cdot GP_i}{\sum_{i=1}^n C_i}$$

where C_i is the Credits assigned to the course

	<p>GP_i - is the point corresponding to the grade obtained for each Course</p> <p>n - is number of all Courses successfully cleared during the particular semester in the case of GPA and during all the semesters in the case of CGPA.</p>
10.0 ELIGIBILITY FOR THE AWARD OF THE DEGREE	
<p>10.1A student shall be declared to be eligible for the award of the Degree if he/she has</p> <ul style="list-style-type: none"> The award of the Degree must be approved by the Syndicate 	<p>10.1 A student shall be declared to be eligible for the award of the Degree only when</p> <ul style="list-style-type: none"> The award of the Degree shall be approved by the Syndicate of the University.
11.0 CLASSIFICATION OF THE DEGREE AWARDED	
<p>11.1 First class with Distinction:</p> <p>A candidate who qualifies for the award of degree having passed the examination in all the courses within EIGHT semesters (SIX semesters for Lateral Entry candidates) consecutively without break of study, in his / her first appearance and securing a CGPA of not less than 8.00 shall declared to have passed in First class with distinction</p> <p>11.2 First Class:</p> <p>A candidate who qualifies for the award of degree having passed the examination in all the subjects within EIGHT semesters (all the SIX semesters for Lateral Entry candidates) consecutively and securing a CGPA of not less than 6.00 shall declared to have passed in First class. For this purpose the authorized break of study and withdrawal from the examination will not be counted as an attempt.</p>	<p>11.1 First class with Distinction:</p> <p>A candidate who qualifies for the award of Bachelors degree having passed all the prescribed examinations in all the courses within NINE semesters (SEVEN semesters for Lateral Entry candidates) consecutively without break of study, in his / her first appearance itself and securing a CGPA of not less than 8.00 shall declared to have passed in First class with distinction.</p> <p>11.2 First Class:</p> <p>A candidate who qualifies for the award of degree having passed the examination in all the subjects within NINE semesters (all the SEVEN semesters for Lateral Entry candidates) consecutively and securing a CGPA of not less than 6.00 shall declared to have passed in First class. For this purpose the authorized break of study and withdrawal from the examination will not be counted as an attempt.</p>

ANNEXURE II

Modifications in Regulations - 2011 for PG Programmes

Details of Paragraph in draft Regulation	As approved
3 ADMISSION REQUIREMENTS:	
<p>2.3.1 Candidates for admission to the first semester of the Master's Degree Programme shall be required to have passed any appropriate Degree Examination as recognized by the University specified either under qualification for admission as per the Tamil Nadu Common Admission (TANCA) criteria or qualifications as prescribed by the Boards of Studies with the approval of Academic Council of the College.</p> <p>Note: TANCA releases the updated criteria during the admissions every academic year. Admission shall be offered only to the candidates who possess the qualification prescribed against the each course. Any other relevant qualification which is not prescribed shall be considered for equivalence by the committee constituted by the Academic Council. Admission to such degrees shall be offered only after obtaining equivalence to such degrees, and approved by TANCA and University.</p> <p>3.2 However, the academic council may decide to restrict admission in any particular year to candidates having a subset of qualifications prescribed at the time of admission.</p> <p>3.3 Notwithstanding the qualifying examination the candidate might have passed, he/she shall have a minimum level of proficiency in the appropriate programme / courses as prescribed by the Academic council of the College from time to time.</p> <p>3.4 Eligibility conditions for admission such as the class obtained, the number of attempts in qualifying examination and physical fitness will be as prescribed by the Academic Council of the college from time to time/TNACA/University.</p> <p>3.5 All Part-Time (Day-Time mode) candidates should satisfy other conditions regarding experience, Sponsorship etc. that may be prescribed by the Academic Council from time to time/TNACA/University.</p>	<p>2.3.1 Candidates for admission to the first semester of the Master's Degree Programme shall be required to have passed any appropriate Degree Examination as recognized by the University specified either under qualification for admission as per the Tamil Nadu Common Admission (TANCA) criteria.</p> <p>Note: TANCA releases the updated criteria during the admissions every academic year. Admission shall be offered only to the candidates who possess the qualification as prescribed against each course.</p> <p>2.3.2 All Part-Time (Day-Time mode) candidates shall satisfy other conditions regarding experience, Sponsorship etc. that may be prescribed by the TNACA.</p>

4.2 MAXIMUM MARKS

4.2.1 The maximum marks assigned to different courses shall be as given below:

Each of the theory and practical courses (including project work) shall carry a maximum of 100 marks of which 20 marks will be through internal assessment and the End semester examination will carry 80 marks.

4.2.2 The Practical Training or Industrial Attachment shall carry 100 marks and shall be evaluated through internal assessment.

4.2.1 For all theory and practical courses other than project work, the continuous internal assessment shall carry 30 and 40 marks respectively while the end semester examinations shall carry 70 and 60 marks for theory and practical respectively.

4.2.2 The Practical Training or Industrial Attachment shall carry 100 marks and shall be evaluated through internal assessment.

5. EVALUATION OF PROJECT WORK

5.1 The project work shall be evaluated for a maximum of 100 marks of which 20 marks will be through internal assessment.

There should be a minimum of two reviews for each phase (Phase I and Phase II) to be conducted separately with Internals 20 marks and External 80 marks for each phase which can be distributed as detailed below.

Project work	Internal (20 Marks) 15+5 (Attendance)		External (80 Marks)			
	Review - I	Review - II	Thesis Submission (10 Marks)	Viva - Voce (50 Marks)		
			External	Internal	External	Supervisor
Phase - I	7.5	7.5	30	16.66	16.66	16.66
Phase - II	7.5	7.5	30	16.66	16.66	16.66

5.1 The project work shall be evaluated for a maximum of 100 marks of which 40 marks will be through internal assessment.

There shall be a minimum of two reviews for each phase (Phase I and Phase II) to be conducted separately with Internals 40 marks and External 60 marks for each phase which can be distributed as detailed below.

Project work	Internal (40 Marks) 30+10 (Attendance)		External (60 Marks)			
	Review - I	Review - II	Thesis Submission (10 Marks)	Viva-Voce (30 Marks)		
			External	Internal	External	Supervisor
Phase - I	15	25	30	10	10	10
Phase - II	15	25	30	10	10	10

9. PROCEDURES FOR AWARDING MARKS FOR INTERNAL ASSESSMENT

<p>9.2 Internal Assessment for Theory Courses:</p> <p>Three tests each carrying 100 marks shall be conducted by the Department / Institution. The marks obtained in the three tests shall be reduced to 20 marks and rounded to the nearest integer.</p> <p>9.3 Internal Assessment for Practical Courses:</p> <p>Every practical experiment shall be evaluated based on conduct of experiment and records maintained duly signed by the HOD. There shall be at least one mid-semester test. The criteria for arriving at the internal assessment marks shall be decided (based on the recommendation of the class committee) by the Head of the Institution and shall be announced at the beginning of every semester. The maximum mark for Internal Assessment will be 20 in case of Practical Courses.</p> <p>Out of 20 marks for Internal Assessment 10 marks can be given for mid- semester test; 5 marks for attendance; and the remaining 5 marks may be distributed for completion of record and neatness.</p>	<p>9.2 Internal Assessment for Theory Courses:</p> <p>Three tests each carrying 100 marks shall be conducted in a semester. The marks obtained in the three assessments shall be reduced to 25 marks and rounded to the nearest integer.</p> <p>9.3 Internal Assessment for Practical Courses:</p> <p>Every practical experiment shall be evaluated based on conduct of experiment and records maintained duly signed by the HOD. There shall be at least one mid-semester test. The criteria for arriving at the internal assessment marks shall be decided (based on the recommendation of the class committee) by the Head of the Institution and shall be announced at the beginning of every semester. The maximum mark for Internal Assessment will be 25 in case of Practical Courses.</p> <p>Out of 40 marks for Internal Assessment 25 marks can be given for viva, experiment results; 10 marks for attendance; and the remaining 5 marks may be distributed for completion of record and neatness.</p>
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12. END SEMESTER EXAMINATIONS

<p>12.1 There shall be a semester examination of 3 hours duration in each lecture based course.</p> <p>The examinations shall ordinarily be conducted between October and December during the odd semesters and between March and May in the even semesters.</p> <p>For the practical examinations (including project work), both internal and external examiners shall be appointed by the Institution. The maximum marks for each theory and practical course shall be 100 comprising 20 marks for internal assessment.</p>	<p>12.1 There shall be end semester examination of 3 hours duration for each lecture based course.</p> <p>The examinations shall ordinarily be conducted between October and December during the odd semesters and between March and May in the even semesters.</p> <p>For the practical examinations (including project work), both internal and external examiners shall be appointed by the Institution. The maximum marks for each theory and practical course shall be 100 comprising 40 marks for internal assessment.</p>
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12.2 WEIGHTAGES

<p>The following will be the weightages for different courses.</p> <p>i) Lecture or Lecture cum Tutorial based course:</p> <p>Internal Assessment - 20%</p> <p>End Semester Examination - 80%</p> <p>ii) Laboratory based courses</p> <p>Internal Assessment - 20%</p> <p>End Semester Examination - 80%</p>	<p>The following will be the weightages for different courses.</p> <p>i) Lecture or Lecture cum Tutorial based course:</p> <p>Internal Assessment - 30%</p> <p>End Semester Examination - 70%</p> <p>ii) Laboratory based courses</p> <p>Internal Assessment - 40%</p>
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iii) Project work Internal Assessment - 20% Evaluation of Project Report by external examiner - 30% Viva-Voce Examination - 50%	End Semester Examination - 60% (iii) Project work Internal Assessment - 40% Evaluation of Project Report by external examiner - 30% Viva-Voce Examination - 30%
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15. AWARD OF LETTER GRADES

15.1 All assessments of a course will be done on absolute marks basis.

However, for the purpose of reporting the performance of a candidate, letter grades, each carrying certain points specified, will be awarded as per the range of total marks (out of 100) obtained by the candidate (Regular or Arrear), as detailed below:

Letter grade	Grade Points
S	10
A	9
B	8
C	7
D	6
E	5
U	0
I	0
W	0

A student is deemed to have passed and acquired the corresponding credits in a particular course if he / she obtained any one of the following grades: "S", "A", "B", "C", "D", "E".

"U" denotes unsatisfactory grade which requires Reappearance (RA) in the examination for that particular course. (RA will figure in Result sheets & G Grade sheets).

The Letter "W" denotes withdrawal from the course. (Clause 17) ("W" will figure in the Result Sheets and Grade sheets).

The Letter "I" denotes inadequate attendance (as per clause 6) and hence prevention from writing the End Semester Examination.

("I" will figure only in the Result Sheets).

15.1 All assessments of a course will be done on absolute marks basis. However, for the purpose of reporting the performance of a candidate, letter grades, each carrying certain specific points, shall be awarded as per the range of total marks (out of 100) obtained by the candidate (Regular or Arrear), as detailed below:

Letter grade	Grade Points	Marks Range
S	10	91 - 100
A	9	81 - 90
B	8	71 - 80
C	7	61 - 70
D	6	56 - 60
E	5	50 - 55
U	0	< 50
I	0	
W	0	
AA	0	

A student is deemed to have passed and acquired the corresponding credits in a particular course if he / she obtained any one of the following grades: "S", "A", "B", "C", "D", "E".

"U" denotes unsatisfactory grade which requires Reappearance (RA) in the examination for that particular course. (RA will figure in Result sheets & Grade sheets). The Letter "W" denotes

withdrawal from the course. "AA" denotes absent. The Letter "I" denotes inadequate attendance and hence prevention from writing the End Semester Examination. The Grade "I", "W" and "AA" will figure only in the Result Sheets.

15.2 Grade sheet

<p style="text-align: center;">Sum of [Credits acquired x Grade points]</p> <p>GPA = $\frac{\text{Sum of [Credits acquired x Grade points]}}{\text{Sum of Credits acquired}}$</p>	<p style="text-align: center;">Sum of [Credits acquired x GradePoints]</p> <p>GPA = $\frac{\text{Sum of [Credits acquired x GradePoints]}}{\text{Sum of Credits Registered}}$</p> <p>CGPA will be calculated in a similar manner, considering all the courses enrolled from first semester.</p> $CGPA = \frac{\sum_{i=1}^n C_i \cdot GP_i}{\sum_{i=1}^n C_i}$ <p>where - C_i - is the Credits assigned to the course GP_i - is the point corresponding to the grade obtained for each Course n - is number of all Courses successfully cleared during the particular semester in the case of GPA and during all the semesters in the case of CGPA "RA", "I", "AA" and "W" grades will be excluded for calculating GPA and CGPA.</p>
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