

NATIONAL ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI
(An Autonomous Institution – Affiliated to Anna University Chennai)



THE MINUTES OF THE 10th ACADEMIC COUNCIL

MINUTES OF THE TENTH ACADEMIC COUNCIL MEETING HELD ON 01.12.2018 AT 10.30 A.M. IN THE CONFERENCE HALL OF ADMINISTRATIVE BLOCK, NATIONAL ENGINEERING COLLEGE, KOVILPATTI UNDER THE CHAIRMANSHIP OF Dr.S.SHANMUGAVEL, PRINCIPAL

The following members were present:

Dr.S.Shanmugavel	Principal, National Engineering College
Academic Experts	
Dr.T.V.Geetha	Dean, College of Engineering, Guindy, Anna University, Chennai
Dr.L.Karunamoorthy	Chairman / Faculty of Mechanical Engineering, Anna University, Chennai
Dr.M.A.Bhagyaveni	Professor / Dept. of ECE, Anna University, Chennai
Dr.R.Senthil	Professor / Dept. of Civil Engineering, Anna University, Chennai
Industrial Experts	
Mr.A.K.Pattabiraman	Consulting Advisor, Tata Consultancy Services Limited, Chennai
Dr.V.Veerappan	Cofounder & President, Tessolve Semiconductor Limited, Bangalore
Mr.R.Dhamodaran	Sr. Vice President, HCL Services Limited, Chennai
Ms.A.Bhanurekha	Senior Program Manager, WIPRO Limited, Chennai
University Nominees	
Dr. Indra Getzy David	Professor (Retd.), Government College of Engineering, Tirunelveli
Dr. N.G.Ramesh Babu	Professor and Head Dept. of Bio-Technology, Adhiyamaan College of Engineering, Hosur

Special Invitees	
Dr.Kn.K.S.K.Chockalingam	Director, National Engineering College
Dr.V.Seenivasagam	Controller of Examinations, National Engineering College
Internal Members	
Dr.K.Manisekar	Dean (Academics) & Prof. / Mechanical, National Engineering College
Dr.M.A.Neelakantan	Dean (R&D) & Head / S & H, National Engineering College
Dr.K.G.Srinivasagan	Dean (TCP) & Prof. / CSE, National Engineering College
Dr.K.Kalidasa Murugavel	Dean (FDS) & Head / Mechanical, National Engineering College
Dr.A.Shenbagavalli	Prof. & Head / ECE, National Engineering College
Dr.S.Tamilselvi	Prof. & Head / ECE (PG), National Engineering College
Dr.V.Gomathi	Prof. & Head / CSE, National Engineering College
Dr.M.Willjuice Iruthayarajan	Prof. & Head / EEE, National Engineering College
Prof.I.Jackson Daniel	Prof. & Head / EIE, National Engineering College
Dr.D.Manimegalai	Prof. & Head / IT, National Engineering College
Dr.C.Puthiyasekar	Prof. & Head / Civil, National Engineering College
Dr.D.Ravindran	Prof. / Mechanical, National Engineering College
Dr. S.Rammurthy	Prof. / Mathematics, National Engineering College
Dr.L.Kalaivani	Prof. / EEE, National Engineering College
Dr.S.Sankar Ganesh	Asso. Prof. (SG) / IT, National Engineering College
Ms. R.Rajakumari	Asst. Prof. (SG) / CSE, National Engineering College
Student Members	
Mr. Aravind Prabakaran	Pre-final year Mechanical
Mr.M.Vigneshwaran	Pre-final year ECE
Mr. J.Janofer Ibrahima	Pre-final year CSE
Ms. D.R.Divya	Final year EEE
Mr. V.Ramji Kolappan	Final year EIE
Mr. P.Muthukumar	Pre-final year IT
Mr. P.Satheesh kumar	Final year Civil

The University Nominee member **Dr.V.Abhai Kumar**, Principal, Thiagarajar College of Engineering, Madurai and Industrial Expert Member **Dr.S.Ganesan**, Additional Director, Combat Vehicles Research and Development Establishment (CVRDE), Avadi,

Chennai could not attend the meeting due to their prior commitments and unavoidable circumstances.

The meeting began with the welcome address by the Principal, Chairman, Academic Council, National Engineering College. He outlined briefly the various agenda items to be presented at the meeting. He also described the various committees and academic meetings held to formulate the structure of the UG & PG regulation, curriculum and syllabus for first year UG degree Programmes to be offered under Regulation 2019. After the formal welcome, he requested the Director to deliver the Special Address.

The Director while addressing the Council, highlighted that the designing of regulation, curriculum and syllabus under Regulation 2019 would be discussed in the Academic Council.

Following the address by the Director, the Dean (Academic) moved the following agenda items on behalf of the Principal.

The following agenda items are considered and approved by the 10th Academic Council

DA 10.01 TO CONFIRM THE MINUTES OF NINETH ACADEMIC COUNCIL MEETING HELD ON 19th MAY 2018

The minutes of the **Nineth Academic Council meeting** held on **19/05/2018** were communicated to the members vide **Email dated 28/05/2018**. The comments received have been incorporated and placed for confirmation. The same was approved by the council.

- Minutes of 09th Academic Council
- Action taken report for minutes of 09th Academic Council

DA 10.02 TO CONSIDER AND APPROVE THE AMENDMENTS TO CLAUSE 12.3 AND 14.0 (vii) OF REGULATIONS 2015 FOR UG DEGREE PROGRAMMES OF NATIONAL ENGINEERING COLLEGE

RESOLVED TO APPROVE the amendments to Clause 12.3 and 14.0 (vii) of Regulations 2015 for UG degree programmes of National Engineering College

- AMENDMENTS – UG REGULATIONS 2015

DA 10.03 TO CONSIDER AND APPROVE THE AMENDMENTS TO CLAUSE 7.5 OF REGULATIONS 2015 FOR PG DEGREE PROGRAMMES OF NATIONAL ENGINEERING COLLEGE

RESOLVED TO APPROVE the amendments to Clause 7.5 of Regulations 2015 for PG degree programmes of National Engineering College

➤ **AMENDMENTS – PG REGULATIONS 2015**

DA 10.04 TO CONSIDER AND APPROVE REGULATION 2019 FOR UG DEGREE PROGRAMMES OF NATIONAL ENGINEERING COLLEGE

RESOLVED TO APPROVE the Regulation 2019 for UG degree programmes of National Engineering College.

➤ **UG REGULATIONS 2019**

DA 10.05 TO CONSIDER AND APPROVE THE REGULATION 2019 FOR PG DEGREE PROGRAMMES OF NATIONAL ENGINEERING COLLEGE

RESOLVED TO APPROVE the Regulation 2019 for PG degree programmes of National Engineering College.

➤ **PG REGULATIONS 2019**

BUSINESS BROUGHT FORWARD BY THE BOARD OF STUDIES

AGENDA FROM DEPARTMENT OF SCIENCE AND HUMANITIES

The Standing Committee of the Academic Council recommends, **Dr. M.A.Neelakantan, Chairman, Science and Humanities** moves the following items based on the decision of the Board of Studies in Science and Humanities

SH 10.01 TO CONSIDER AND APPROVE THE FIRST YEAR CURRICULUM AND SYLLABUS FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the first year curriculum and syllabus for UG degree programme to be offered under R-2019

➤ **First year Curriculum and Syllabus**

AGENDA FROM DEPARTMENT OF MECHANICAL ENGINEERING

The Standing Committee of the Academic Council recommends, **Dr. K.Kalidasa Murugavel, Chairman, Mechanical Engineering** moves the following items based on the decision of the Board of Studies in Mechanical Engineering.

- ME 10.01** TO CONSIDER AND APPROVE THE FIRST YEAR CURRICULUM AND SYLLABUS FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the first year curriculum and syllabus for UG degree programme to be offered under R-2019

➤ **B.E. MECHANICAL – First year Syllabus**

- ME 10.02** TO CONSIDER AND APPROVE THE ONLINE COURSES FOR CREDIT TRANSFER IN UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2015

RESOLVED TO APPROVE the online courses for credit transfer in UG degree programme to be offered under R-2015

➤ **List of Online courses**

AGENDA FROM DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The Standing Committee of the Academic Council recommends, **Dr.A.Shenbagavalli, Chairman, Electronics and Communication Engineering** moves the following items based on the decision of the Board of Studies in Electronics and Communication Engineering.

- EC 10.01** TO CONSIDER AND APPROVE THE FIRST YEAR CURRICULUM AND SYLLABUS FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the first year curriculum and syllabus for UG degree programme to be offered under R-2019

➤ **B.E. ECE – First year Syllabus**

EC 10.02 TO CONSIDER AND APPROVE THE ONLINE COURSES FOR CREDIT TRANSFER IN UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2015

RESOLVED TO APPROVE the online courses for credit transfer in UG degree programme to be offered under R-2015

➤ **List of Online courses**

AGENDA FROM DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The Standing Committee of the Academic Council recommends, **Dr. V.Gomathi, Chairman, Computer Science and Engineering** moves the following items based on the decision of the Board of Studies in Computer Science and Engineering.

CS 10.01 TO CONSIDER AND APPROVE THE FIRST YEAR CURRICULUM AND SYLLABUS FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the first year curriculum and syllabus for UG degree programme to be offered under R-2019

➤ **B.E. CSE – First year Syllabus**

CS 10.02 TO CONSIDER AND APPROVE THE CURRICULUM AND SYLLABUS FOR PG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the curriculum and syllabus for PG degree programme to be offered under R-2019

➤ **M.E. CSE – Syllabus**

CS 10.03 TO CONSIDER AND APPROVE THE ONLINE COURSES FOR CREDIT TRANSFER IN UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2015

RESOLVED TO APPROVE the online courses for credit transfer in UG degree programme to be offered under R-2015

➤ **List of Online courses**

AGENDA FROM DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

The Standing Committee of the Academic Council recommends, **Dr. M. Willjuice Iruthayarajan, Chairman, Electrical and Electronics Engineering** moves the following items based on the decision of the Board of Studies in Electrical and Electronics Engineering.

- EE 10.01 TO CONSIDER AND APPROVE THE FIRST YEAR CURRICULUM AND SYLLABUS FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019**

RESOLVED TO APPROVE the first year curriculum and syllabus for UG degree programme to be offered under R-2019

➤ **B.E. EEE – First year Syllabus**

- EE 10.02 TO CONSIDER AND APPROVE THE CURRICULUM AND SYLLABUS FOR PG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019**

RESOLVED TO APPROVE the curriculum and syllabus for PG degree programme to be offered under R-2019

➤ **M.E. HVE – Curriculum and Syllabus**

- EE 10.03 TO CONSIDER AND APPROVE THE ONLINE COURSES FOR CREDIT TRANSFER IN UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2015**

RESOLVED TO APPROVE the online courses for credit transfer in UG degree programme to be offered under R-2015

➤ **List of Online courses**

AGENDA FROM DEPARTMENT OF INFORMATION TECHNOLOGY

The Standing Committee of the Academic Council recommends, **Dr. D. Manimegalai, Chairman, Information Technology** moves the following items based on the decision of the Board of Studies in Information Technology.

- IT 10.01 TO CONSIDER AND APPROVE THE FIRST YEAR CURRICULUM AND SYLLABUS FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019**

RESOLVED TO APPROVE the first year curriculum and syllabus for UG degree programme to be offered under R-2019

➤ **B.Tech. IT – First year Syllabus**

IT 10.02 TO CONSIDER AND APPROVE THE CURRICULUM AND SYLLABUS FOR PG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the curriculum and syllabus for PG degree programme to be offered under R-2019

➤ **M.Tech. IT – Curriculum and Syllabus**

IT 10.03 TO CONSIDER AND APPROVE THE ONLINE COURSES FOR CREDIT TRANSFER IN UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2015

RESOLVED TO APPROVE the online courses for credit transfer in UG degree programme to be offered under R-2015

➤ **List of Online courses**

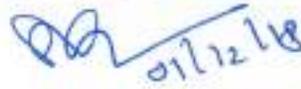
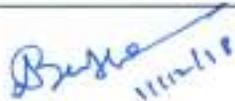
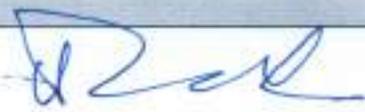
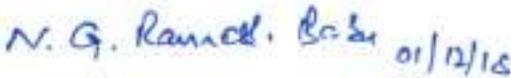
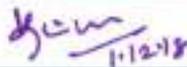
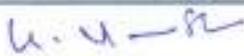
ANY OTHER ITEMS, WITH THE PERMISSION OF THE CHAIRMAN OF THE ACADEMIC COUNCIL

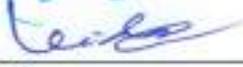
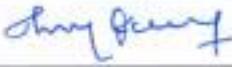
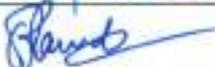
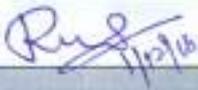
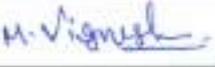
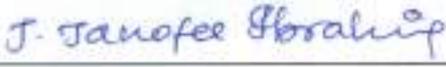
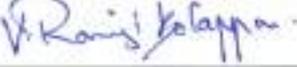
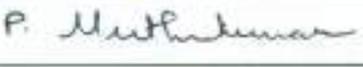
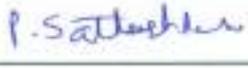
Points suggested by the Academic Council

1. Total number of credits for each programme should not exceed 165.
2. Feedback should be obtained from students for overall curriculum in each programme.
3. Mandatory courses such as Environmental Science and Engineering should be placed in 4th or 6th semester and Constitution of India should be placed in 5th semester.
4. For Mandatory courses, 3 hours of lecture should be allotted and the result of the courses (Pass/RA) should appear in Mark statement.
5. Internship can be done either in companies or in IIT and R&D Institutions.
6. One Transdisciplinary course is mandatory.
7. Online courses registered by the students for credit transfer should not be in existing curriculum.
8. Open book test may be included as any one of the tool for assessment.
9. Compulsory questions may be in Creative level in design oriented subjects.

10. Number of Internal Assessment Tests may be reduced to two and weightage may be increased.
11. Model Exam may be renamed as Assessment test for practicals.
12. For Mini project, 3 credits may be allotted and should be evenly allocated to all the programmes
13. For main project, instead of naming as Phase-I and Phase-II, it may be named as Project-I and Project-II.
14. For project work, the weightage for Review-I, Review-II and Review-III may be 20%, 35% and 35% respectively.
15. The committee appreciated the transparency in showing the end semester examination answer booklets to the students before the publication of results.
16. The students may be allowed to attend internship in the 8th semester irrespective of the department.
17. To improve the communication skill, opportunity may be provided to deliver seminars in nearby schools by the students.
18. Python programming may be included in the curriculum of all the programmes.
19. In the 3rd semester, only 5 theory courses may be given.
20. Domain based grouping of electives are not necessary. List of electives only may be provided.
21. For ECE, Control Systems may be Elective course and Electronic Measurement Lab may be removed.
22. Even distribution of credits is needed for all the semesters and in 8th semester only 2 electives may be given.
23. For Mechanical Engineering programme, Thermal Engineering & Material Testing may be combined as one course.
24. For all the courses, latest edition books may be updated.
25. Web links and journals may be included as references.
26. Applied Engineering course may be renamed as Basic Civil and Mechanical Engineering.
27. For M.E.(CSE), Machine Learning course may be taken as core.
28. The Elective courses for UG as well as PG programmes of CSE may be reviewed.
29. Digital Signal Processing course may be included as Elective for B.E.(CSE).
30. For IT, Programming C++ course may be renamed as Object Oriented Programming.
31. C# and .Net programming may be removed from the curriculum or place it as elective.
32. Computer Networks may be shifted to 4th semester.
33. Cryptography and Network Security course may be included as core.

Members Present

Dr.S.Shanmugavel Academic Council Chairman National Engineering College	
Academic Experts	
Dr.T.V.Geetha Dean, College of Engineering, Anna University, Chennai - 25	 11/12/18
Dr.L.Karunamoorthy Chairman / Faculty of Mechanical Engineering Anna University, Chennai - 25	 01/12/18
Dr.M.A.Bhagyaveni Professor / Dept. of Electronics and Communication Engineering Anna University, Chennai - 25	 11/12/18
Dr.R.Senthil Professor / Dept. of Civil Engineering Anna University, Chennai - 25	 11/12/18
Industrial Experts	
Mr.A.K.Pattabiraman Consulting Advisor, Tata Consultancy Services Limited, Chennai - 96	
Dr.V.Veerappan Cofounder & President, Tessolve Semiconductor Limited, Bangalore	
Mr.R.Dhamodaran Sr. Vice President HCL Services Limited, Chennai - 34	
Ms.A.Bhanurekha Senior Program Manager WIPRO Limited, Chennai - 32	 01/12/18
University Nominees	
Dr. Indra Getzy David Professor, Government College of Engineering Tirunelveli - 07	 11/12/18
Dr. N.G.Ramesh Babu Professor & Head, Dept. of Bio-technology, Adhiyamaan College of Engineering, Hosur	 01/12/18
Special Invitees	
Dr.Kn.K.S.K.Chockalingam Director	 1.12.18
Dr.V.Seenivasagam Controller of Examinations	 1.12.18
Internal Members	
Dr.K.Manisekar Dean (Academic) & Prof. / Mechanical	
Dr.M.A.Neelakantan Dean (R&D) & Head / S & H	

Dr.K.G.Srinivasagan Dean (TCP) & Prof. / CSE	
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Dr.D.Manimegalai Prof. & Head / IT	
Dr.C.Puthiyasekar Prof. & Head / Civil	
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Student Members	
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Mr. P.Satheesh kumar Final year Civil	


1/12/18
CHAIRMAN
ACADEMIC COUNCIL

NATIONAL ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI

(An Autonomous Institution – Affiliated to Anna University Chennai)

Actions Taken Report on Minutes of 9th Academic Council Meeting

S. No.	Action Initiated	Action Taken									
1.	Amendments to clause 4.6, 6.2, 7.5 and 15.1 of R-2015 for UG degree programmes	Implemented									
2.	To hold special examinations for students those who missed their papers during end semester examinations owing to their participation in sports, NCC& NSS events from the academic year 2018-2019 onwards.	Implemented.									
3.	The structure of the programme under Regulation 2019 as per AICTE curriculum model	Curriculum prepared for all the programmes									
4.	To swap the following courses in the odd semester to even semester and vice versa for the branches ECE, CSE and EEE for administrative reasons under R-2015	Implemented									
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Course Code / Course Title</th> <th style="text-align: center;">Purpose</th> </tr> </thead> <tbody> <tr> <td>15SH18C / Engineering Graphics</td> <td rowspan="2" style="text-align: center;">Swap from 1st semester to 2nd semester</td> </tr> <tr> <td>15SH18C / Engineering Practice Laboratory</td> </tr> <tr> <td>15EC25C / 15CS25C / 15EE25C C Programming for Engineers</td> <td rowspan="3" style="text-align: center;">Swap from 2nd semester to 1st semester</td> </tr> <tr> <td>15EC28C / 15CS28C / 15EE28C</td> </tr> <tr> <td>C Programming Laboratory</td> </tr> </tbody> </table>	Course Code / Course Title	Purpose	15SH18C / Engineering Graphics	Swap from 1 st semester to 2 nd semester	15SH18C / Engineering Practice Laboratory	15EC25C / 15CS25C / 15EE25C C Programming for Engineers	Swap from 2 nd semester to 1 st semester	15EC28C / 15CS28C / 15EE28C	C Programming Laboratory	
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15EC28C / 15CS28C / 15EE28C											
C Programming Laboratory											
5.	The curriculum for UG degree programmes to be offered under R-2019 of B.E.- Mechanical Engg.	Adopted									
6.	The end semester examination evaluation scheme of the elective course 15ME38E – Advanced Modeling Techniques for the Mechanical Engineering programme to be offered under R-2015	Implemented									
7.	The curriculum for UG degree programmes to be offered under R-2019 of B.E.- ECE	Adopted									
8.	The introduction of additional elective courses in curriculum for PG degree programme (M.E.- Embedded System Technologies) to be offered under R-2015	Implemented									
9.	The curriculum for UG degree programmes to be offered under R-2019 of B.E.- CSE	Adopted									

S. No.	Action Initiated	Action Taken
10.	The curriculum for UG degree programmes to be offered under R-2019 of B.E. - EEE	Adopted
11.	The curriculum for UG degree programmes to be offered under R-2019 of B.E. - EIE	Adopted
12.	The curriculum for UG degree programmes to be offered under R-2019 of B.E. - Civil	Adopted
13.	The curriculum for UG degree programmes to be offered under R-2019 of B.Tech. - IT	Adopted
14.	IT workshop can be shifted to 2 nd semester in CSE dept.	Removed from the curriculum and Python programming course is included as per the suggestions of BoS.
15.	For core courses, there is no need to change the standard course name	Implemented
16.	For internship, a minimum of 4 weeks to be allotted	Implemented
17.	Total number of credit may be fixed as 165 for all the programmes	160 to 165 credits
18.	Common curriculum and credit should be followed in first semester. Common courses for all the programmes may be named as same.	Implemented
19.	Comprehension lab may be shifted to 6 th semester in all the programmes	Implemented
20.	For CSE department, discrete structures course may be renamed as discrete mathematics.	Implemented


 1-12-18
CHAIRMAN
ACADEMIC COUNCIL

AMENDMENTS IN REGULATIONS 2015 (10th Academic Council Meeting on 01.12.2018)

UNDER GRADUATE DEGREE PROGRAMMES	
Existing UG Regulations – 2015	Amended UG Regulations – 2015
<p>12.3 PROJECT WORK</p> <p>Project work may be assigned to a single / group of students not exceeding 4 per group. The Head of the Department concerned shall constitute a review committee for each programme. The review committee shall conduct three review meetings per semester. The student shall make presentation on the progress made to a three member review committee. The project Guide will be one of the members of the review committee.</p>	<p>12.3 PROJECT WORK</p> <p>Project work may be assigned to a single / group of students not exceeding 4 per group. The Head of the Department concerned shall constitute a review committee for each programme. The review committee shall conduct three review meetings per semester. The student shall make a presentation on the progress made to a three-member review committee. The project Guide will be one of the members of the review committee. Those students who have undertaken industrial projects during the eighth semester should have completed their courses prescribed in the curriculum well in advance as per the clause 6.10 otherwise they can do such a course through online mode subject to a maximum of one course.</p>
<p>14.0 PASSING REQUIREMENTS</p> <p>vii. The internal assessment marks obtained by the candidate in the first appearance shall be retained and considered valid for all subsequent attempts till the candidate secures a pass. However, from the third attempt onwards if a candidate fails to obtain pass marks (Internal Assessment + End Semester Examination) as per clause 14 (i) & (ii), then the candidate shall be declared to have passed the examination if he/she secures at least ($\mu - 1.8 \sigma$) or 50 marks whichever is less in the end semester examination.</p>	<p>14.0 PASSING REQUIREMENTS</p> <p>vii. The internal assessment marks obtained by the candidate in the first appearance shall be retained and considered valid for all subsequent attempts till the candidate secures a pass. However, from the third attempt onwards if a candidate fails to obtain pass marks (Internal Assessment + End Semester Examination)</p> <p>(a) as per clause 14 (i), then the candidate shall be declared to have passed the examination if he/she secures at least ($\mu - 1.8\sigma$) or 50 marks whichever is less in the end semester theory examination.</p> <p>(b) as per clause 14(ii), then the candidate shall be declared to have passed the examination if he/she secures at least 50 marks in the end semester practical examination.</p>

POST GRADUATE DEGREE PROGRAMMES

Existing PG Regulations – 2015

Amended PG Regulations – 2015

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Students who have not satisfied the attendance requirements as per **clauses 7.1 & 7.2** and registration requirements as per the **clause 6.2** in all the courses in a particular semester have to re-do the courses in the corresponding semester in the subsequent academic years subject to **clause 20.1**. Also, such students are not eligible to register for the subsequent semester. This will come into effect from the **academic year 2018 - 2019 onwards**.